Sch.

Standard Form No. 1048
Form approved by Comptroller General U.
September 20, 1927

MEMORANDUM
PUBLIC VOUCHER FOR REFUNDS

Serial No. _____

D. O. Voucher No. 2861

Official File

EXTRA COPY
O. M. E.
RECEIVED JAN 17 1961

DATE	INITIALS	CODE
1/17	[illegible]	110
		120
		500

(FOR USE OF PAYING OFFICE)

U. S. Department of the Interior-Office of the Secretary
(Department or Establishment, Bureau or Office)

Location: _____

Appropriation or Fund: 14X6875(01)Suspense, Department of the Interior

To
Address

Molybdenum Corporation of America
375 Park Avenue
New York 22, New York

Deposit received from the above-named depositor on _____, 19____

for _____

has been applied as herein stated and the balance indicated is returned herewith:

Amount of deposit _____ $ _____

Applied as explained in "Remarks" below _____ _____

_____ _____

Balance authorized to be refunded _____ $ 500.00

Remarks:

Release of contract holdback on E-1094, Region III per Report of Review dated 1/5/61

Date _____, 19____ (Memorandum—Do not sign) _____

Title _____

Refund by

Check No. _____, dated _____ for $ _____ on Treasurer of the U. S. in favor of payee named above.

Cash, $ _____ on _____ (Signature of payee) _____
(Memorandum—Do not sign)

Other method, $ _____, _____
(Describe)

16—9488

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 11 1960

DATE	INITIALS	
8-11	gad	VVO
8/11		800
	Murphy	~~500~~

Building 20 - Federal Center
Denver 25, Colorado

August 8, 1960

AIR MAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary
Department of the Interior
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. DMEA-4568 (Molybdenum)
Contract No. Idm-E1094
Molybdenum Corp. of America
(Questa Mine)
Taos County, New Mexico

In conformance with OME Circular 1, enclosed are the original and two copies of Forms MF-104 and MF-104A with attached maps and other pertinent data, Operator's Narrative Report, and Engineer's Inspection Report covering work performed during the month of June 1960.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at Fixed Unit Cost under the short form of contract on Form MF--200A; therefore, documentation of the cost is not required.

Payment is recommended for $2,653.50, which is 50% of the amount reported on Form MF-104, contingent on your verification of applicable rates, and arithmetical accuracy within the report.

Continue to withhold the amount of $500 pending receipt of the Operator's final report, and an audit of the accounts and the resolution of matters pertaining to closing the contract.

Original signed by

Hugh M. Connors

Enclosures
HMC/lm
cc: Chief, Division of Field Operations (2)
MF-104 file, Region III
Chron

Building 20 - Federal Center
Denver 25, Colorado

August 8, 1960

Memorandum

To: Hugh M. Connors, Acting Field Officer, OME, Region III

From: T. N. Bemslo

Subject: Progress Report for June, 1960
Decimat No. 4568 (Molybdenum)
Contract No. IAm-E1094
Molybdenum Corp. of America
(Moly or Questa mine)
Taos County, New Mexico

I inspected the project of the subject contract with A. L. Greslin, Mgr., August 2, 1960, and found that work completed during the reporting period was as described below and as reported in the attached Operator's Report.

Diamond Drilling

A total of 1002 feet of diamond drilling was done in holes Nos. 43, 43a and 45. Hole 43, projected to a maximum depth of 500 feet, was bottomed at a depth of 136 when further advance was stopped by heavy ground. Its alternate hole, No. 43a, also encountered ground that could not be drilled and was bottomed at a depth of 66 feet. Abandonment of these holes before completion was approved by the Government, in writing.

Hole 45 was completed to its authorized maximum depth of 800 feet.

Analyses

A total of 99 samples of core from the diamond drill holes was assayed for MoS_2. The 99 samples comprised 13 from hole 43, 6 from hole 43a, and 80 from hole 45.

Core recovery from hole 43 and its nearby alternate hole 43a was poor. Consequently, assaying of the core from the initial 60 foot section of each hole is believed to have been warranted.

Other work

Work carried on at no expense to the Government was largely confined to the driving of No. 5 drift east, and its No. 2 crosscut north. The Operator will concentrate exploratory work in the area of the drift which has encountered zones of high grade material (plus .5% MoS_2) at the contacts of a porphyry plug with greenstone and granite. This area is the only one found to date that can reasonably be expected to contain significant reserves of presently minable ore. Favorable findings are expected to result in the construction of a concentrator.

The Operator has commenced work on his final report which should be completed and submitted to this office early in September.

ANALYSIS OF THE OPERATOR'S REPORT

Form MP-104

Diamond drilling - The $5010.00 is for the authorized advance of 1002 feet in holes Nos. 43, 43a, and 45.

Analyses - The $297.00 is for the authorized assay of 99 samples at $3.00 a sample.

RECOMMENDATION

All authorized work has been completed, therefore, continue to withhold $500.00 pending the resolution of matters pertaining to closing of the contract.

Form MP-104A

The form, containing total costs in agreement with those of form MP-104, appears to have been properly completed.

Narrative Report

The report with maps is acceptable.

T. M. Rosalo

TMR/lm
cc: 6
Chron.

C O N T E N T S

1. Narrative Report
2. Form MF 104a
3. Form MF 104
4. Geology Map - No. 3 Dft E
5. Geology Map - No. 3 Dft E No. 2 CxN
6. Progress & Timber Map - No. 3 Dft E
7. Progress & Timber Map - No. 3 Dft E No. 2 CxN
8. Map - Drill Hole No. 43 - 43a
9. Map - Drill Hole No. 45
10. Core Log - Drill Hole No. 43
11. Core Log - Drill Hole No. 43a
12. Core Log - Drill Hole No. 45

NARRATIVE REPORT

JUNE 1960

OME
DEPARTMENT OF THE INTERIOR
JUL 13 1960
REGION III
DENVER, COLORADO

Mr. Hugh M. Connors
Acting Field Officer, O.M.E.
Field Team, Region III
Building 20, Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IDM E 1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period June 1 through June 30, 1960 there were 26 working days and 4 Sundays. The mine was worked 26 days on a two shift basis.

Diamond drill holes 43 - 43a and 45 were completed. Drill Hole No. 43 was drilled to a depth of 136 feet where it had to be stopped due to caving in the hole making it impossible to drill any deeper.

43a was drilled to a depth of 66 feet and the same caving ground was encountered and couldn't get any deeper and therefore had to be stopped.

Drill Hole No. 45 was completed to a depth of 800 feet on June 25th.

Work was carried on in No. 3 Dft E and 3 Dft E No. 2 CxN, this month.

Yours very truly,

A. Schlueter

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1960 Docket No. DMEA 4568 Contract No. IDM E 1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
				STAGE I			Units	Unit Costs
Drifting & Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timber	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	ea	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Crosscut	ft	0.00	-0-	212242.11	4777	44.43	6160	44.43
Drill Sta.	ft	0.00	-0-	11107.50	250	44.43	250	44.43
Timber	ft	0.00	-0-	8634.60	3198	2.70	6160	2.70
Analyses	ea	297.00	99	7173.00	2391	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	5010.00	1002	69560.00	13912	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5307.00		400679.14				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 7/11/60 Operator Molybdenum Corp. of America

Per A. L. Gresh Title Manager

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

T M Romolo

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Sch. 21P

Month of June 1960 Docket No. DMEA 4568 Contract No. IDM E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	5010.00	102085.00	107095.00			
~~[illegible]~~ Drill Sta.	0.00	14262.03	14262.03			
Crosscutting & Drifting	0.00	256672.11	256672.11			
~~[illegible]~~ Timber	0.00	11151.00	11151.00			
Analyses	297.00	9702.00	9999.00			
(2) ~~[illegible]~~:						
~~[illegible]~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	5307.00	395372.14	400679.14			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7/11/60 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2653.50

Signature
(Authorized Certifying Officer)

Date 8/12/60 Vou. No. 642

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Edm-E1094 in accordance with the terms of the contract.

Signature T M Pamalo Title Mining Engineer Date 8-5-60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Hugh M Longmore Title Acting Field Officer Date 8-8-60

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

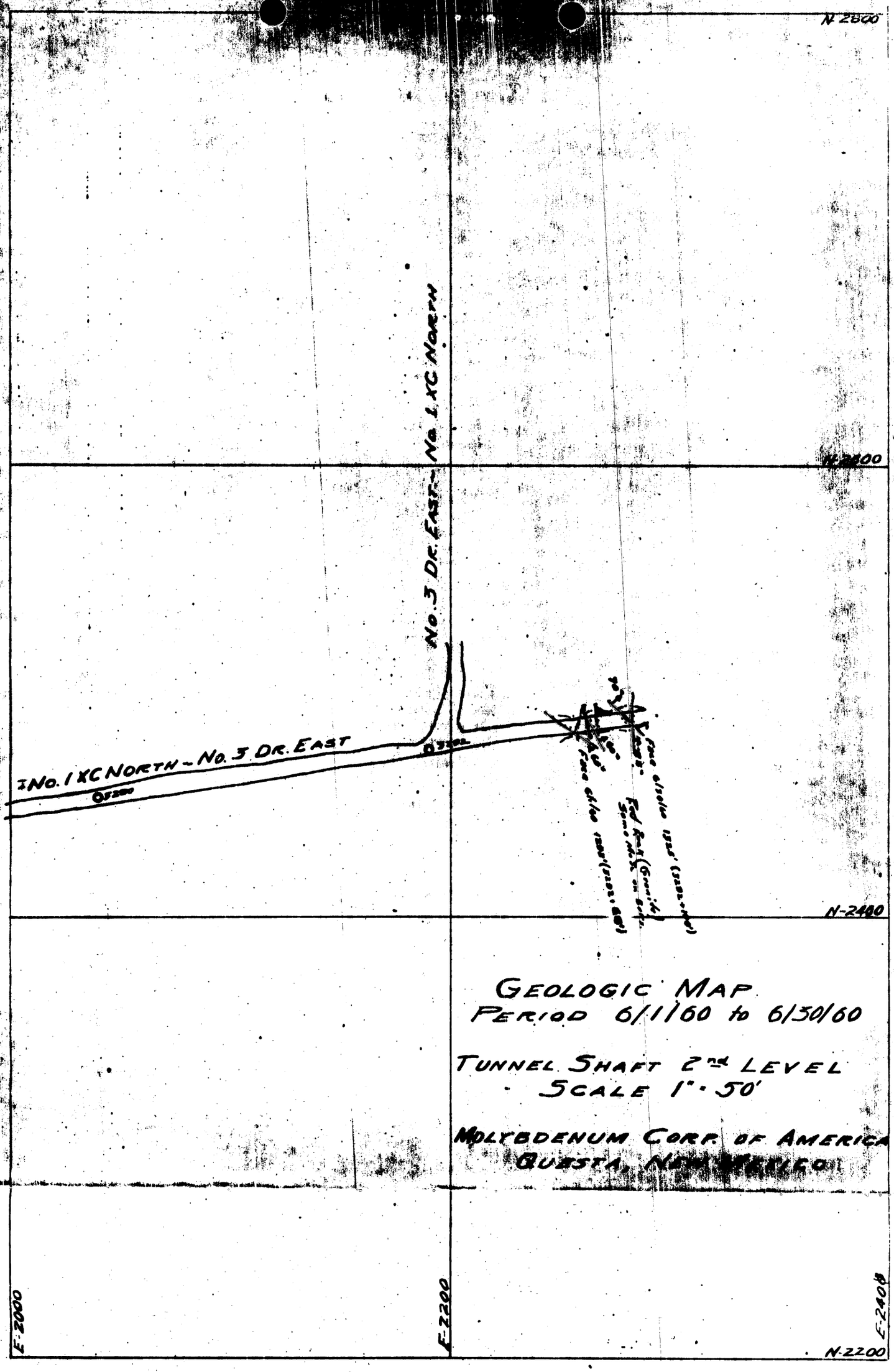
Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

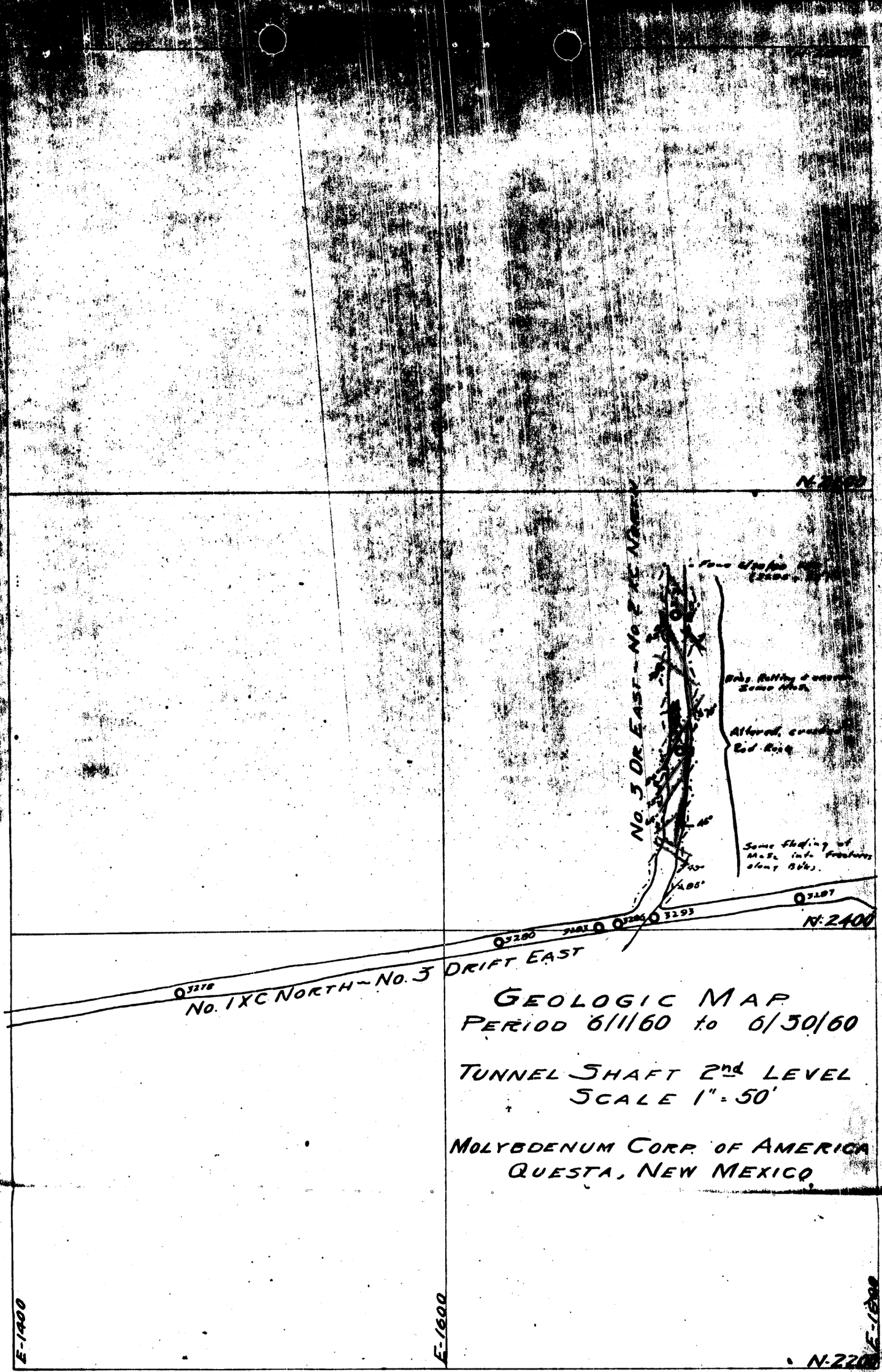
Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.



GEOLOGIC MAP
PERIOD 6/1/60 to 6/30/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

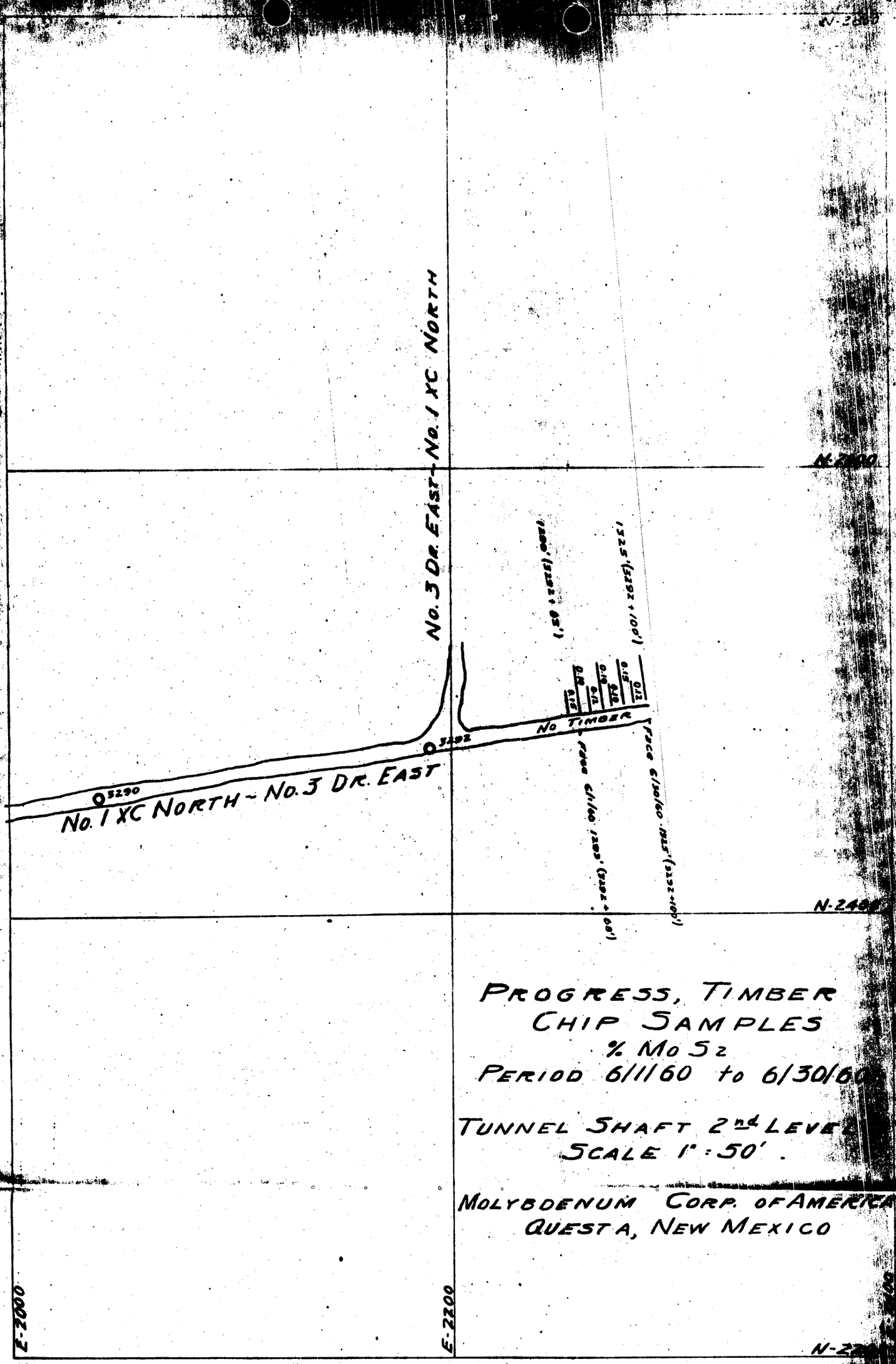
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



GEOLOGIC MAP
PERIOD 6/1/60 to 6/30/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

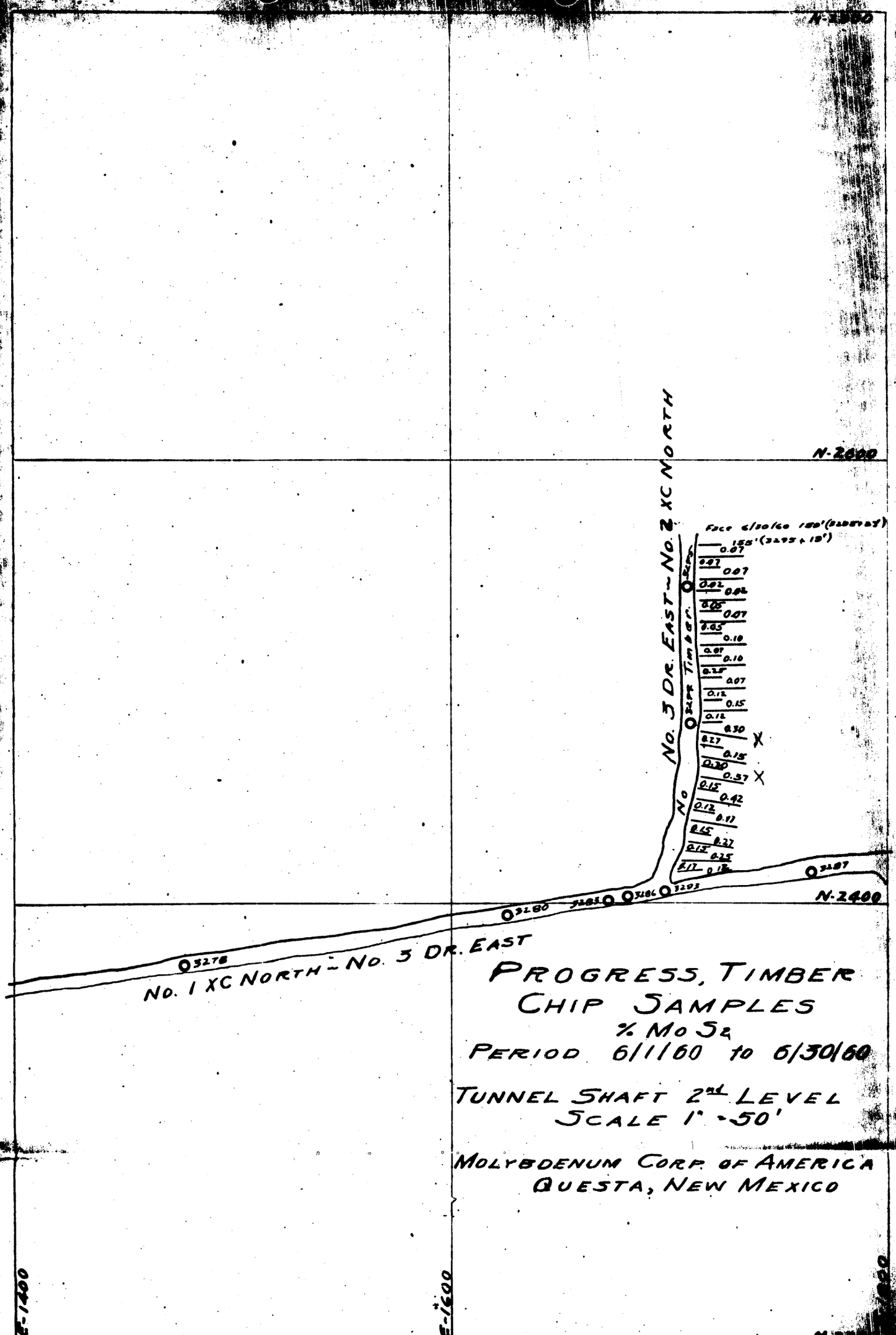
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

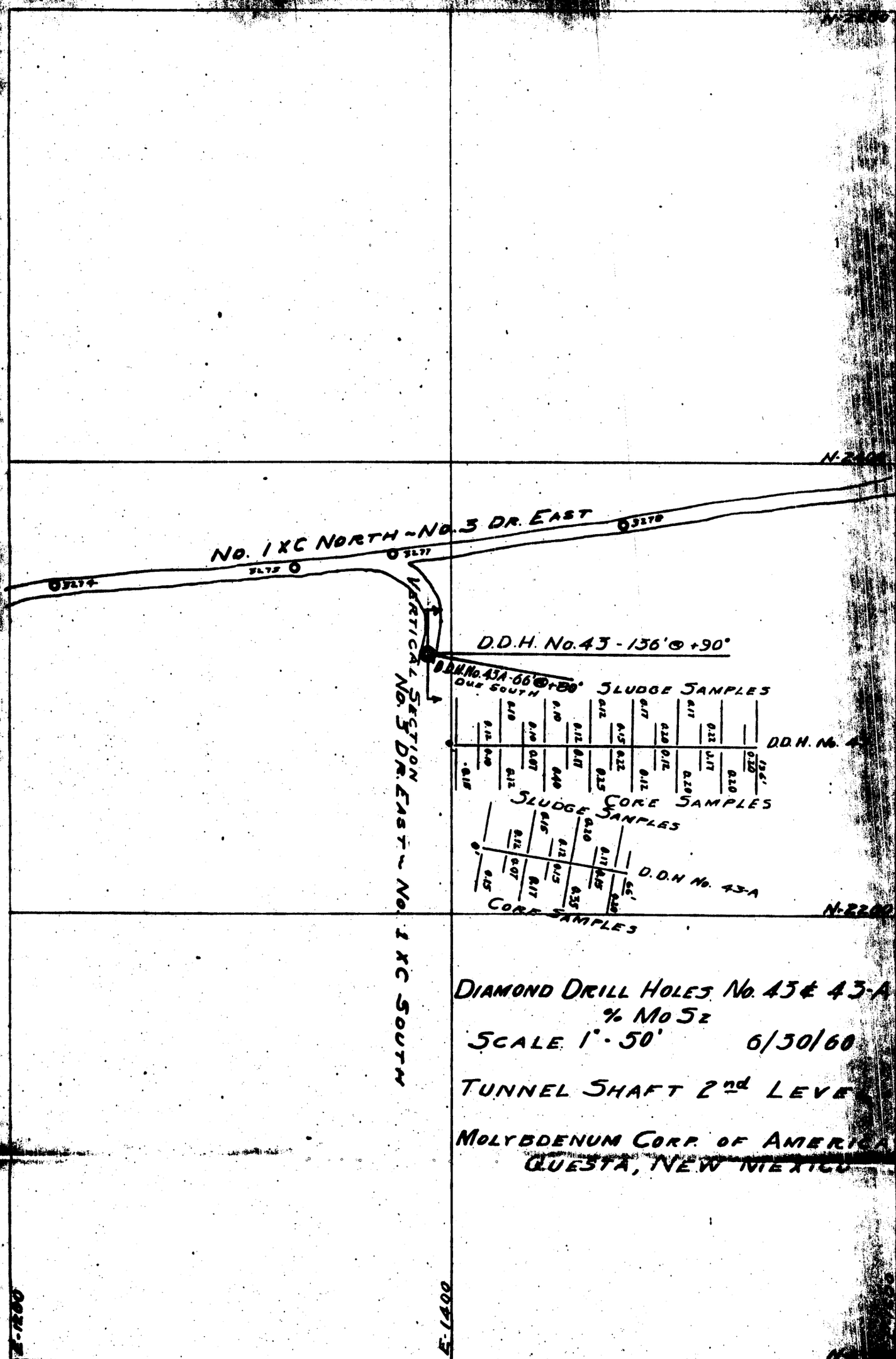


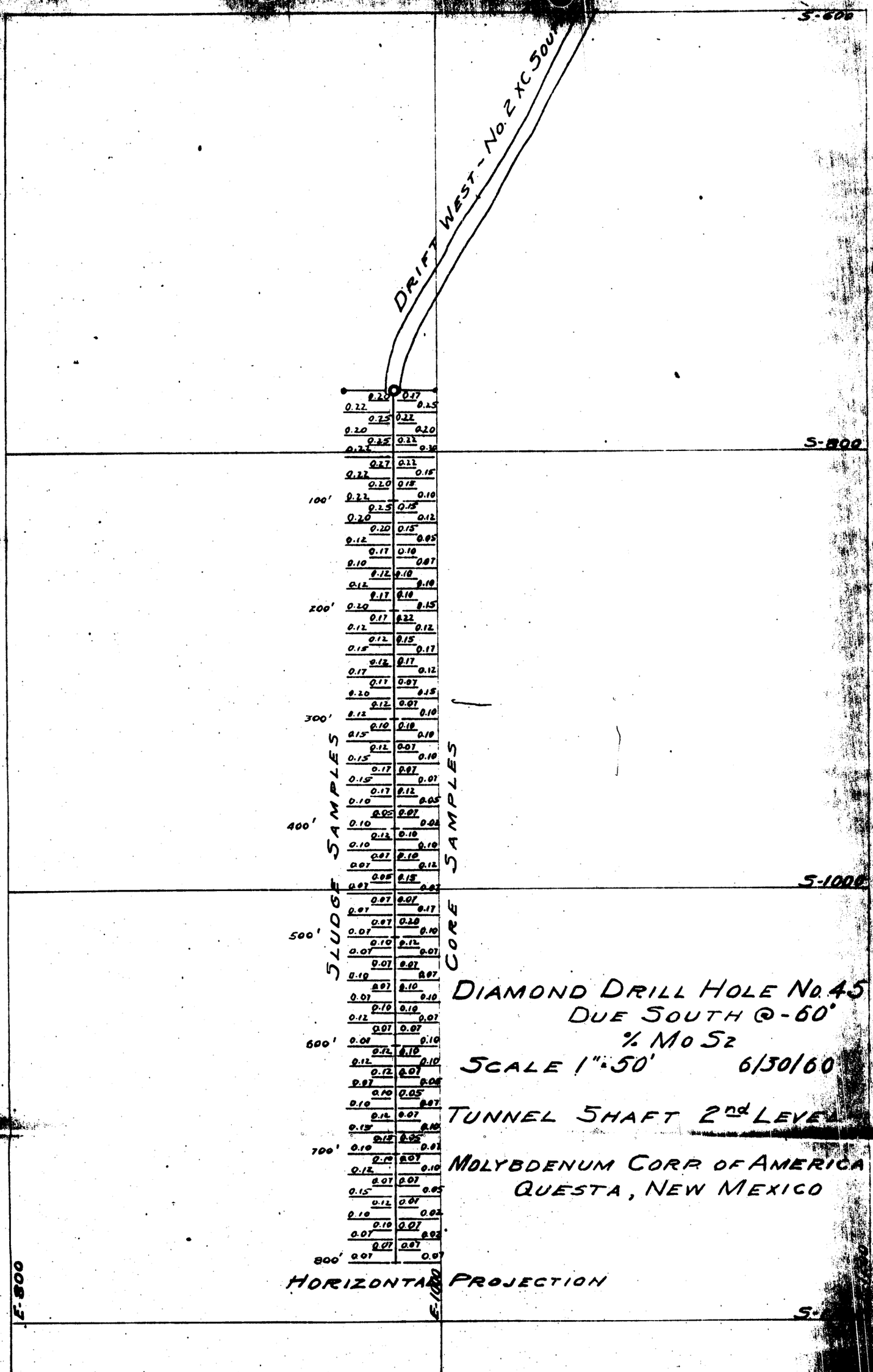
PROGRESS, TIMBER
CHIP SAMPLES
% MoS_2
PERIOD 6/1/60 to 6/30/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'.

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2600
N-2400
E-1400
E-1600
No. 3 DR. EAST ~ No. 2 XC NORTH
No. 1 XC NORTH ~ No. 3 DR. EAST
Face 6/30/60 155' (3295 + 15')
0.07
0.07
0.02
0.02
0.05
0.07
0.05
0.10
0.07
0.10
0.25
0.07
0.12
0.15
0.12
0.30
0.27
0.15
0.30
0.57
0.15
0.42
0.12
0.17
0.15
0.27
0.15
0.25
0.17
3278
3280
3283
3286
3293
3287
PROGRESS, TIMBER
CHIP SAMPLES
% MoS2
PERIOD 6/1/60 to 6/30/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2200
N-2400
N-2200
N-1800
E-1200
E-1400
No. 1 XC NORTH ~ No. 3 DR. EAST
3274
3275
3277
3278
VERTICAL SECTION
No. 3 DR. EAST ~ No. 1 XC SOUTH
D.D.H. No. 43 - 136' @ +90°
D.D.H. No. 43A - 66' @ +80°
DUE SOUTH
SLUDGE SAMPLES
D.D.H. No. 43
CORE SAMPLES
SLUDGE SAMPLES
D.D.H No. 43-A
CORE SAMPLES
DIAMOND DRILL HOLES No. 43 & 43-A
% MoS2
SCALE 1" = 50'
6/30/60
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


S-600
DRIFT WEST - No. 2 XC SOUTH
S-800
100'
200'
300'
400'
500'
600'
700'
800'
SLUDGE SAMPLES
CORE SAMPLES
S-1000
DIAMOND DRILL HOLE No. 45
DUE SOUTH @ -60°
% MoS2
SCALE 1" = 50'
6/30/60
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP OF AMERICA
QUESTA, NEW MEXICO
HORIZONTAL PROJECTION
E-800
E-1000

Core Log Diamond Drill Hole No. 43
Date Drilled 5/24/60 to 6/7/60
% Core Recovery 34 18

Coordinates of Collar - N 2313 — E 1388 Bearing 0
Elevation of Collar 7842 Inclination + 90°

	Distance From	To	Core Spl No	Core Wt Lb	Oz	Core % Rec	Core % Mag	Sludge Spl No	Sludge % Mag	Remarks
	0	7		9	4	5286				Transition
	7	10		2	14	3833				"
	0	10	2954	12	2	4850	0.45			
	10	11		—	14	7000				"
	11	13		—	14	3500				"
	13	14		—	10	5000				"
	14	18		2	8	5000				"
	18	20		—	12	3000				"
	10	20	2955	5	10	4500	0.10	2950	0.12	
	20	21		—	14	7000				"
	21	25		3	8	7000				"
	25	30		2	6	3800				"
	20	30	2956	6	12	5400	0.12	2951	0.10	
	30	36		3	12	6700				"
	36	40		1	10	3250				"
	30	40	2957	5	6	4500	0.07	2952	0.10	
	40	41		—	12	6000				"
	41	46		2	6	3800				"
	46	49		1	4	3333				"
	49	50		—	6	3000				" And Granite
24	40	50	2964	4	12	3800	0.40	2953	0.10	
25	50	53		—	8	1333				" " "
26	53	57		1	10	3250				" " "
27	57	60		—	10	1667				" " "
28	50	60	2965	2	12	2200	0.17	2968	0.12	
29	60	61		—	12	6000				" " "
30	61	69		4	10	4625				" " "
31	69	70		—	14	7000				" " "
32	60	70	2966	6	4	5000	0.25	2969	0.12	
33	70	75		1	12	2800				" " "
34	75	80		4	—	6400				" " "
35	70	80	2967	5	12	4600	0.22	2970	0.15	
36	80	87		—	10	7143				"
37	87	90		1	2	3000				"
38	80	90	3154	1	12	1400	0.12	2971	0.17	
39	90	91		—	8	4000				"
40	91	96		—	12	1200				"
41	96	100		—	4	0500				"
42	90	100	3155	1	8	1200	0.12	2972	0.20	
43	100	101		—	4	2000				" & Granite
44	101	106		1	6	2200				" " "
45	106	110		1	4	2500				" " "
46	100	110	3156	2	14	2300	0.20	2973	0.17	
47										

Core Log Diamond Drill Hole No 43

Distance From	To	Core Spl No	Core Wt. Lb	Core Wt. Oz	Core % Rec	Core % MoS2	Sludge Spl No	Sludge % MoS2	Remarks
110	116		1	-	1333				Transition + Granite
116	120		-	12	1500				" " "
110	120	3157	1	12	1400	0.17	2994	0.22	
120	121		-	8	4000				"
121	126		2	-	3200				"
126	130		1	6	2750				"
120	130	3158	3	14	3100	0.20			
120	136	3159	1	4	1667	0.20			"

Core Log [illegible] No 43-a
Date Drilled 6/8/60 To 6/13-60
% Core Recovery 26 %

Coordinates of Collar N-2313 — E 1388 Bearing South
Elevation of Collar 7842 Inclination +80°

Footage From	To	Core Spl No	Core Wt Lb	Core Wt Oz	Core No Rec	Core % Rec	Sludge Spl No	Sludge Wt Grams	Remarks
0	3		4	8	3429				Greenrock
3	7		7	6	4244				"
7	10		7	—	5333				"
0	10	3150	18	14	4314	0.15+			
10	16		4	4	2833				Transition
16	20		2	2	2125				"
10	20	3151	6	6	2550	0.07	3147	0.12	
20	26		3	-	2000				"
26	30		2	-	2000				"
20	30	3152	5	-	2000	0.17	3148	0.15+	
30	31		1	-	4000				"
31	40		1	14	8333				"
30	40	3153	2	14	1130	0.15+	3149	0.12	
40	41		-	8	2000				"
41	50		1	12	7778				"
40	50	3247	2	4	0900	0.35	3245+	0.20	
50	51		-	12	3000				" And Granite
51	56		1	10	1300				" " "
56	60		4	4	4250				" " "
50	60	3248	6	10	2650	0.15+	3246	0.17	
60	62		-	14	1850				" " "
62	65		1	12	2333				" " "
65	66		1	8	6000				" " "
60	66	3249	4	2	5500	0.20			

Core Log Diamond Drill Hole No [illegible]
DATE Drilled
% Core Recovery

Coordinates of Collar
Elevation of Collar

Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % MOSz	Sludge SPL No	Sludge % MOSz	Remarks	
0	10	3097	31	8	8071	0.17	3086	0.20	Overburden	〃
10	15		16	4	8200				[illegible]	BK
15	20		9	8	7600				〃	〃
10	20	3070	19	12	7900	0.25	3087	0.22		
20	24		6	4	6250				〃	〃
24	27		9	-	10000				〃	〃
27	29		2	12	5500				〃	〃
29	30		2	4	9000				〃	〃
20	30	3071	20	4	8100	0.22	3088	[illegible]		
30	33		6	14	9167				〃	〃
33	40		6	8	3714				〃	〃
30	40	3072	13	6	5350	0.20	3089	0.20		
40	43		7	-	9333				〃	〃
43	50		9	12	5571				〃	〃
40	50	3073	16	12	6700	0.22	3090	0.22		
50	60	3098	7	8	2400	0.30	3091	0.24	〃	〃
60	64		8	8	8500				〃	〃
64	68		7	2	7125				〃	〃
68	70		2	12	5500				〃	〃
60	70	3099	18	6	7350	0.22	3092	0.21		
70	75		5	8	4400				〃	〃
75	80		7	14	6300				〃	〃
70	80	3100	13	6	5350	0.15	3093	0.22		
80	90	3101	14	12	5900	0.15	3094	0.20	〃	〃
90	95		8	14	7100				〃	〃
95	99		9	8	9500				〃	〃
99	100		2	4	9000				〃	〃
90	100	3102	20	10	8250	0.16	3095	[illegible]		
100	104		8	8	8500				〃	〃
104	109		10	6	8300				Granite	〃
109	110		1	10	6500				Transition	〃
100	110	3103	20	8	8200	0.15	3096	0.25		
110	115		8	6	6700				〃	〃
115	120		8	12	7000				〃	〃
110	120	3104	17	2	6850	0.12	3097	0.20		
120	121		2	2	5500				〃	〃
121	124		4	14	4875				〃	〃
124	128		8	2	8125				〃	〃
128	130		4	2	8250				〃	〃
120	130	3105	14	4	7700	0.15	3109	0.20		
130	132		4	8	9000				〃	〃
132	138		7	8	5600				〃	〃
138	140		4	14	9750				〃	〃

Distance From	to	Core SPL No	Core wt Lb	Core oz	Core Rec	Core % Moist	Sample SPL No	Sample % Moist	Remarks			
130	140	3106	12	4	6100	0.05	3110	0.12				
140	148		4	12	4875				Transition			Ex
148	150		4	2	8250				"			"
140	150	3107	13	14	5550	0.10	3111	0.17				
150	154		6	-	6000				"			"
154	160		6	8	4333				Peridotite			"
150	160	3108	12	8	5000	0.07	3112	0.10				
160	164		4	-	4000				"			"
164	168		6	6	6375				"			"
168	170		2	6	4750				"			"
160	170	3126	12	12	5100	0.10	3113	0.12				
170	176		3	14	2583				"			"
176	180		3	4	3250				"			"
170	180	3127	7	2	2850	0.10	3114	0.12				
180	185		5	-	4000				"			"
185	189		6	10	6625				"			"
189	190		2	-	8000				"			"
180	190	3128	13	10	5450	0.10	3129	0.17				
190	192		3	12	7500				Transition	Some	Redrock	"
192	197		10	14	8700				"	"	"	"
197	200		4	8	6000				"	"	"	"
190	200	3133	19	2	7650	0.15	3130	0.20				
200	207		5	-	2857				"	"	"	"
207	210		4	4	5667				"	"	"	"
200	210	3134	9	4	3700	0.22	3131	0.17				
210	213		1	8	2000				"	"	"	"
213	220		3	2	1786				"	"	"	"
210	220	3135	4	10	1860	0.12	3132	0.12				
220	226		2	8	1667				"	"	"	"
226	230		1	12	1750				"	"	"	"
220	230	3136	4	4	1700	0.15	3139	0.12				
230	235		3	2	2500				"	"	"	"
235	240		4	12	3800				"			"
230	240	3137	7	14	3150	0.17	3140	0.15				
240	244		5	14	5875				"			"
244	250		1	8	1000				"			"
240	260	3138	7	6	2950	0.17	3141	0.12				
250	251		-	10	2500				"			"
251	260		7	12	6200				"			"
250	260	3162	8	6	3400	0.12	3142	0.17				
260	261		1	12	7000				"			"
261	270		3	14	1722				"			"
260	270	3163	5	10	2250	0.07	3143	0.17				
270	274		2	12	2750				"			"
274	280		2	12	1833				"			"
270	280	3164	5	8	2200	0.15	3176	0.20				

Core Log Diamond Drill Hole No 45-

	Distance From	Distance To	Core Spl No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % MoS2	Sludge Spl No.	Sludge % MoS2	Remarks	
1	280	281		1	4	5000				Transition	BX
2	281	290		3	4	1444				"	"
3	280	290	3165	4	8	1800	0.07	3177	0.12		
4	290	291		1	6	5500				Granite	"
5	291	300		6	4	2778				Transition	"
6	290	300	3166	7	10	3050	0.10	3178	0.12		
7	300	310	3167	2	12	1100	0.10	3179	0.10	Granite	"
8	310	313		1	4	1667				"	"
9	313	318		7	4	5800				"	"
10	318	320		2	-	8000				"	BX
11	310	320	3168	10	8	4667	0.10	3180	0.15		
12	320	328		2	6	2375				Transition Sulfide Granite	"
13	328	330		-	6	1500				"	"
14	320	330	3169	2	12	2200	0.07	3181	0.12		
15	330	333		-	8	1333				"	"
16	333	338		5	6	8600				"	"
17	338	340		-	8	2000				"	"
18	320	340	3170	6	6	5100	0.10	3182	0.15		
19	340	348		2	-	2000				"	"
20	348	350		-	8	1000				"	"
21	340	350	3171	2	8	2000	0.07	3183	0.17		
22	350	352		-	8	2000				"	"
23	352	354		-	10	2000				"	"
24	354	357		2	-	5333				"	"
25	357	360		1	8	4000				"	"
26	350	360	3186	4	10	3700	0.07	3184	0.15		
27	360	363		1	12	4667				"	"
28	363	370		2	4	2591				"	"
29	360	370	3187	4	-	3200	0.12	3185	0.17		
30	370	380	3188	3	6	2700	0.05	3191	0.10	"	"
31	380	390	3189	4	8	3600	0.07	3192	0.05	"	"
32	390	400	3190	4	6	3500	0.02	3193	0.10	"	"
33	400	406		1	8	2000				"	"
34	406	410		1	4	2500				"	"
35	400	410	3198	2	4	1800	0.10	3194	0.12		
36	410	413		1	2	3000				"	"
37	413	419		-	10	0833				"	"
38	419	420		1	-	8000				"	"
39	410	420	3199	2	12	2200	0.10	3195	0.10		
40	420	430	3200	1	12	1400	0.10	3196	0.07	"	"
41	430	431		-	6	3000				Granite	"
42	431	436		1	12	2800				"	"
43	436	440		1	-	2000				Transition	"
44	430	440	3201	3	2	2600	0.12	3197	0.07		
45	440	446		-	12	1000				Granite	"
46	446	450		2	8	5000				"	"
47											

Core Log — Diamond Drill Hole No. 45

	Footage From	Footage To	Core No.	Core Wt. lb	Core Wt. oz	Rate	Core Loss	Sp. Gr. No.	Sp. Gr. %	Remarks	
	440	450	3202	3	4	2600	0.15	3224	0.05		
	450	456		1	8	2000				Granite	DX
	456	460		1	4	2500				"	"
	450	460	3203	2	12	2200	007	3225	007		
5	460	462		1	-	4000				"	"
6	462	470		1	4	1250				"	"
7	460	470	3204	2	4	1800	0.07	3226	007		
8	470	471		-	10	5000				"	"
9	471	476		-	12	1200				"	"
10	476	480		2	10	5250				"	"
11	470	480	3205	4	-	3200	0.17	3227	0.07		
12	480	486		2	8	3333				"	"
13	486	490		1	12	3500				"	"
14	480	490	3206	4	4	3400	0.20	3228	0.07		
15	490	500	3207	4	4	3400	0.10	3229	0.07	"	"
16	500	510	3210	3	12	3000	012	3230	0.10	"	"
17	510	520	3211	6	8	5200	0.07	3231	0.07	"	"
18	520	525		3	2	5000				"	"
19	525	530		2	12	4400				"	"
20	520	530	3212	5	14	4700	0.07	3232	0.07		
21	530	535		-	12	1200				"	"
22	535	537		1	4	5000				"	"
23	537	540		2	8	6667				"	"
24	530	540	3213	4	8	3600	0.07	3233	0.10		
25	540	546		2	8	3333				"	"
26	546	550		3	4	6500				"	"
27	540	550	3214	5	12	4600	0.10	3234	0.07		
28	550	556		2	-	2667				"	"
29	556	560		1	2	2250				"	"
30	550	560	3215	3	2	2500	0.10	3235	0.07		
31	560	565		1	-	1600				"	"
32	565	568		1	12	4667				"	"
33	568	570		1	4	5000				"	"
34	560	570	3216	4	-	3700	0.10	3236	0.10		
35	570	575		4	10	2600				"	"
36	575	579		-	6	0705				"	"
37	579	580		1	2	9000				"	"
38	570	580	3217	3	2	2500	0.07	3237	012		
39	580	585		1	2	1800				"	"
40	585	588		1	6	3667				"	"
41	588	590		1	4	5000				"	"
42	580	590	3218	3	12	3000	0.07	3238	007		
43	590	596		2	10	3500				"	"
44	596	600		2	2	4000				"	"
45	590	600	3219	4	12	3800	0.10	3254	0.07		
46	600	606		2	10	3500				"	"
47											

Case No 5 Diamond Drill Hole No 4

	Distance From	Distance To	Core SPL No	Core Cut Ft	Core Cut In	Core % Rec	Core % Rec	Sludge SPL No	Sludge % Rec	Remarks	
	606	609		-	14	2333				Barren	"
	609	610		1	-	5000				"	"
	600	610	3220	4	8	3600	0.10	3255	0.12		
	610	620	3262	3	8	2800	0.10	3256	0.12	"	"
	620	625		-	12	1200				"	"
	625	630		2	10	4200				"	"
	320	330	3263	3	6	2700	0.07	3257	0.12		
	630	636		2	2	2833				"	"
	636	640			4	0500				"	"
	630	640	3264	2	6	1900	0.05	3273	0.01		
11	640	650	3265	1	14	1500	0.05	3274	0.10	"	"
12	650	660	3266	2	12	2200	0.07	3275	0.10	"	"
13	660	661		1	-	8000				"	"
14	661	666		2	12	4400				"	"
15	666	670		1	12	3500				"	"
16	660	670	3267	5	8	4400	0.07	3276	0.12		
17	670	671		-	10	5000				"	"
18	671	680		1	-	0887				"	"
19	670	680	3268	1	10	1300	0.10	3277	0.15		
20	680	681		-	12	6000				"	"
21	681	685		1	4	2500				"	"
22	685	690		2	2	3400				"	"
23	680	690	3269	4	2	3300	0.05	3278	0.15		
24	690	693		2	10	7000				"	"
25	693	698		1	14	3000				"	"
26	698	700		-	14	3500				"	"
27	690	700	3270	5	6	4300	0.07	3279	0.10		
28	700	701		-	10	5000				"	"
29	701	706		2	8	4000				"	"
	706	710		2	-	4000				"	"
31	700	710	3271	4	2	3300	0.07	3280	0.10		
32	710	716		2	4	3000				"	"
33	716	720		1	2	2250				"	"
34	710	720	3272	3	6	2700	0.10	3281	0.12		
35	720	721		-	10	5000				"	"
36	721	729		2	-	2000				"	"
37	729	730		-	6	3000				"	"
38	720	730	3321	3	-	2400	0.07	3309	0.07	"	"
39	730	733		-	12	2000				"	"
40	733	740		4	-	4571				"	"
41	330	340	3322	4	12	3800	0.05	3310	0.15		
42	740	741		-	14	7000				"	"
43	741	747		1	2	1500				"	"
44	747	750		-	4	6667				"	"
45	740	750	3323	2	4	1800	0.07	3311	0.12		
46	750	754		-	10	1250				"	"
47											

Core Log [illegible] No 45

Distance Core	Distance ft	Core Size SPL. mm	Core Size INT. in	Core Size OUT. in	Core % Rec	Core % Mod	Shape SPL. mm	Shape % Mod	Remarks
[illegible]	710		—	6	0500				Breaks
[illegible]	710	3324	1	—	0800	0.02	3318	0.10	—
[illegible]	711		—	4	2000				4
[illegible]	710		—	14	2228				11
[illegible]	710	3324	1	2	0900	0.07	3313	0.10	
[illegible]	711		—	6	3000				4
[illegible]	710		1	—	0000				4
[illegible]	710	3326	1	6	1100	0.02	3318	0.07	
[illegible]	711		—	4	2000				4
[illegible]	710		1	—	0000				11
[illegible]	[illegible]	3323	1	4	1000	0.07	3319	0.07	
[illegible]	[illegible]		—	12	1200				4
[illegible]	[illegible]		1	4	2000				4
[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	0.07	

OFFICIAL FILE COPY O. M. E. RECEIVED JUN 27 1960		
DATE	INITIALS	CODE
6/27	Cse	210
	[illegible]	140
~~6/28~~	~~[illegible]~~	~~500~~

Building 20 - Federal Center
Denver 25, Colorado

June 20, 1960

AIR MAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary
Department of the Interior
Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. [illegible]-4568 (Molybdenum)
Contract No. Idm-M1094
Molybdenum Corp. of America
(Questa Mine)
Taos County, New Mexico

In conformance with OME Circular 1, enclosed are the original and two copies of Forms MF-104 and MF-104A with attached maps and other pertinent data, Operator's Narrative Report, and Engineer's Inspection Report covering work performed during the month of May 1960.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at Fixed Unit Cost under the short form of contract on Form MF-[illegible]-200A; therefore, documentation of the cost is not required.

Payment is recommended for 50% of the amount reported on Form MF-104, contingent on your verification of applicable rates, and arithmetical accuracy within the report, except for the following deduction.

Withhold the amount of $500 pending termination of the contract on or before June 30, 1960, receipt of the Operator's final report, and an audit of the accounts and the resolution of matters pertaining to closing the contract.

Original signed by

Hugh M. Connors

Enclosures
HMC/lm
cc: Chief, Division of Field Operations (2)
MF-104 file, Region III
Hasler w/cpy of Engineer's report
Suspense
Chron

Building 20 - Federal Center
Denver 25, Colorado

June 17, 1960

Memorandum

To: Hugh M. Connors, Acting Field Officer
OME, Region III

From: T. M. Romslo

Subject: Progress Report for May 1960, Docket No. 4568 (Molybdenum)
Contract No. Idm-K1094
Molybdenum Corp. of America
(Moly or Questa mine)
Taos County, New Mexico

The project of subject contract was inspected by R. U. King, U.S.G.S. in the company of A. L. Greslin, Manager, June 15, 1960. Progress for the reporting period, according to Mr. King, was found to be as described below.

Drifting and Crosscutting

No. 2 Crosscut South was advanced from 46 feet to 233 feet beyond Survey Station No. 3291, an advance of 187 feet for the month. A total of 174 feet of the 187 feet is allowable advance, since 326 feet of the authorized 500 feet had previously been reported.

Timbering

Timbering was confined to No. 2 Crosscut South where 10 lineal feet of drift sets were installed in the section from 35 feet to 45 feet beyond Survey Station No. 3291.

Diamond Drilling

Diamond Drill holes Nos. 41 and 44 were each completed to a depth of 500 feet for a total advance of 1000 feet.

Analyses

A total of 135 samples, 100 from the drill holes and 35 from No. 2 Crosscut South, were assayed for Mo52.

Other Work

Remaining authorized work is confined to Diamond Drill holes Nos. 43 and 45, both of which were being drilled during the inspection.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling	The $5,000.00 is for the authorized advance of 1000 feet in Diamond Drill holes Nos. 41 and 44, at $5 a foot.
Crosscutting and Drifting	The $7,730.82 is for the 174 feet of authorized advance in No. 2 Crosscut South at $44.43 a foot.
Timber	The $27.00 is for the 10 feet of authorized timbering in No. 2 Crosscut South at $2.70 a foot.
Analyses	The $405.00 is for the authorized assay for No52 of 135 samples at $3 a sample.

RECOMMENDATION

Withhold $500.00, pending; (1) termination of the contract on or before June 30, 1960 as specified in Amendment No. 4, (2) receipt of the Operator's Final Report, and (3) an audit of the accounts and the resolution of matters pertaining to closing of the contract.

Form MF-104A

The form, containing total costs in agreement with those of form MF-104, appears to have been properly completed.

Narrative Report

The report with maps is acceptable.

T. M. Romalo

T. M. Romalo

TMR/lm
cc: 6
Chron

OME
DEPARTMENT OF THE INTERIOR
JUN 9 1960
REGION III
DENVER, COLORADO

C O N T E N T S

1. Narrative Report
2. Form - MF 104a
3. Form - MF 104
4. Geology Map - No. 2 CxS
5. Geology Map - No. 3 Dft E (Not DMEA)
6. Progress, Timber & Chip sample Map - No. 2 CxS
7. Progress, Timber & Chip Sample map - No. 3 Dft E (Not DMEA)
8. Drill Hole Map - Hole No. 41
9. Drill Hole Log - Drill Hole No. 41
10. Drill Hole Map - Drill Hole No. 44
11. Drill Hole Log - Drill Hole No. 44

OME
DEPARTMENT OF THE INTERIOR
JUN 9 1960
REGION III
DENVER, COLORADO

NARRATIVE REPORT

MAY 1960

Mr. Hugh M. Connors
Acting Field Officer, O.M.E.
Field Team, Region III
Building 20, Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IDM - E 1094
Molybdenum Corp. of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period May 1 through May 31, 1960, there were 26 working days and 5 Sundays. The mine was worked 26 days on a two shift basis.

There were 189 feet of advance in the No. 2 crosscut south. 174 feet of this completed the 500 feet under D.M.E.A. There were 10 feet of timbering in this place. We are drilling hole No. 45 in No. 2 CxS.

Diamond drill holes No. 41 and 44 were completed during May to a depth of 500 feet each.

Work was carried on in the No. 3 drift east and drill hole No. 43.

Yours very truly,

A. L. Greslin

A. L. Greslin, Manager

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

JUN 27 1960 O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1960 Docket No. DMEA 4568 Contract No. IDM E 1094

Operator's Name Molybdenum Corp. of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting - Crosscut	ft	0.00	-0-	44430000	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta	ft	0.00	-0-	3154.53	71	44.43	115	44.43
~~Raising~~ Timber	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Shafts~~ Analyses	ea	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Winzes~~ Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
~~Auger~~				STAGE II				
Drift ~~XXX~~ Crosscut	ft	7730.82	174	212242.11	4777	44.43	6160	44.43
~~Crosscutting~~ Drill Sta.	ft	0.00	-0-	11107.50	250	44.43	250	44.43
~~Raising~~ Timber	ft	27.00	10	8634.60	3198	2.70	6160	2.70
~~Shafts~~ Analyses	ea	405.00	135	6876.00	2292	3.00	3177	3.00
~~Winzes~~ Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	5000.00	1000	64550.00	12910	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		13162.82		395372.14				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

REMARKS:

Date 6/ 6/60 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

[signature]

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Sch. 1973

Month of May 1960 Docket No. DMEA 4568 Contract No. IDM E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	5000.00	97085.00	102085.00			
~~Bulldozing~~ Drill Sta.	0.00	14262.03	14262.03			
Crosscutting - Drifting	7730.82	248941.29	256672.11			
~~Drifting~~ Timber	27.00	11124.00	11151.00			
Analyses	405.00	9297.00	9702.00			
(2) ~~Labor and Supervision~~:						
~~Labor~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	13162.82	382209.32	395372.14	13,162.82	382,209.32	395,372.14

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 6/6/60 *Payee Molybdenum Corp. of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: $ 6,581.41

6,081.41 to Operator
500.00 to Suspense

Signature [signature] (Authorized Certifying Officer)

Date 6/24/60 Vou. No. 5385

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 1094 in accordance with the terms of the contract.

Signature T M Tomsic Title Mining Engineer Date 6-17-60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Hugh M Comstock Title Acting Field Office Date 6-20-60

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

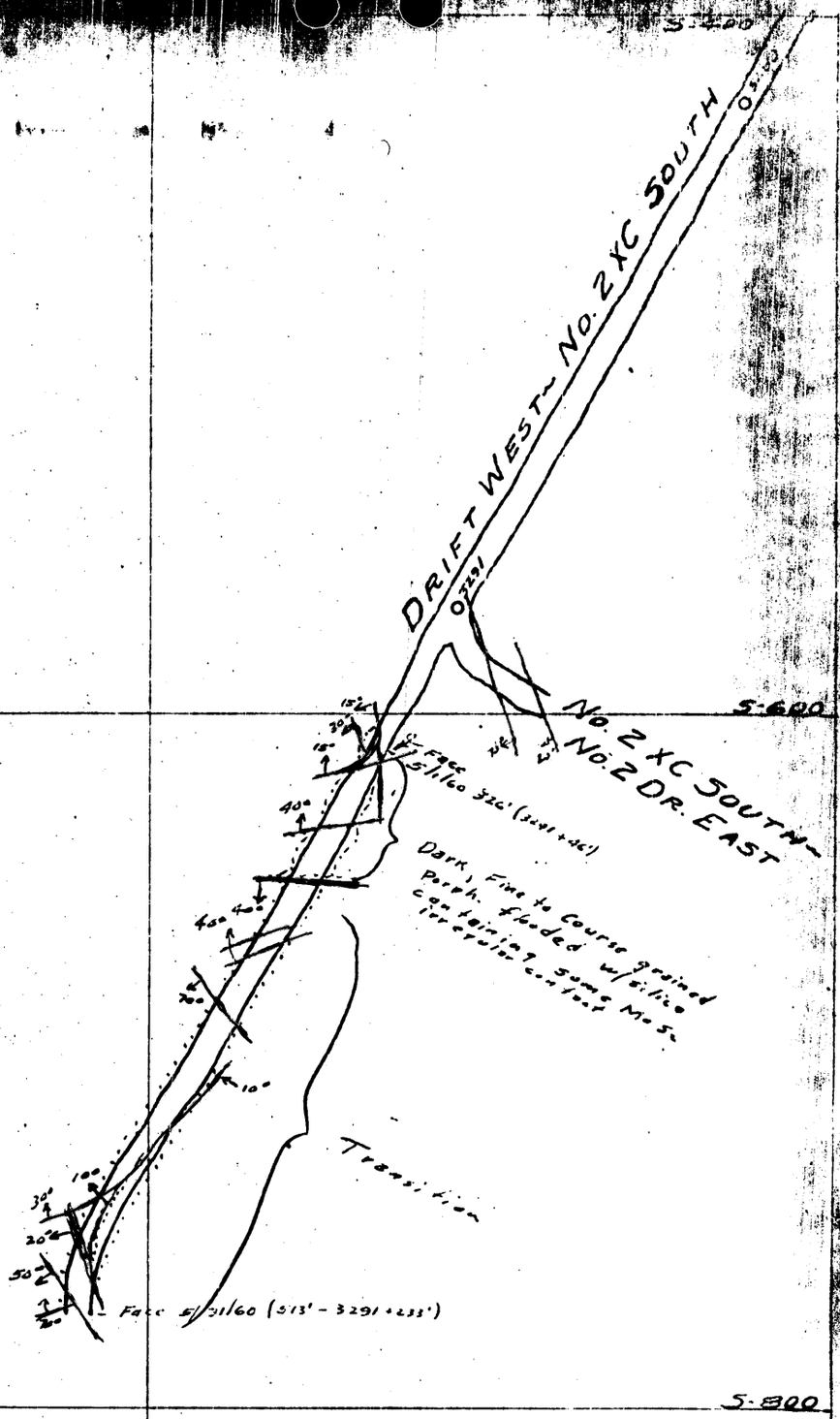
Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

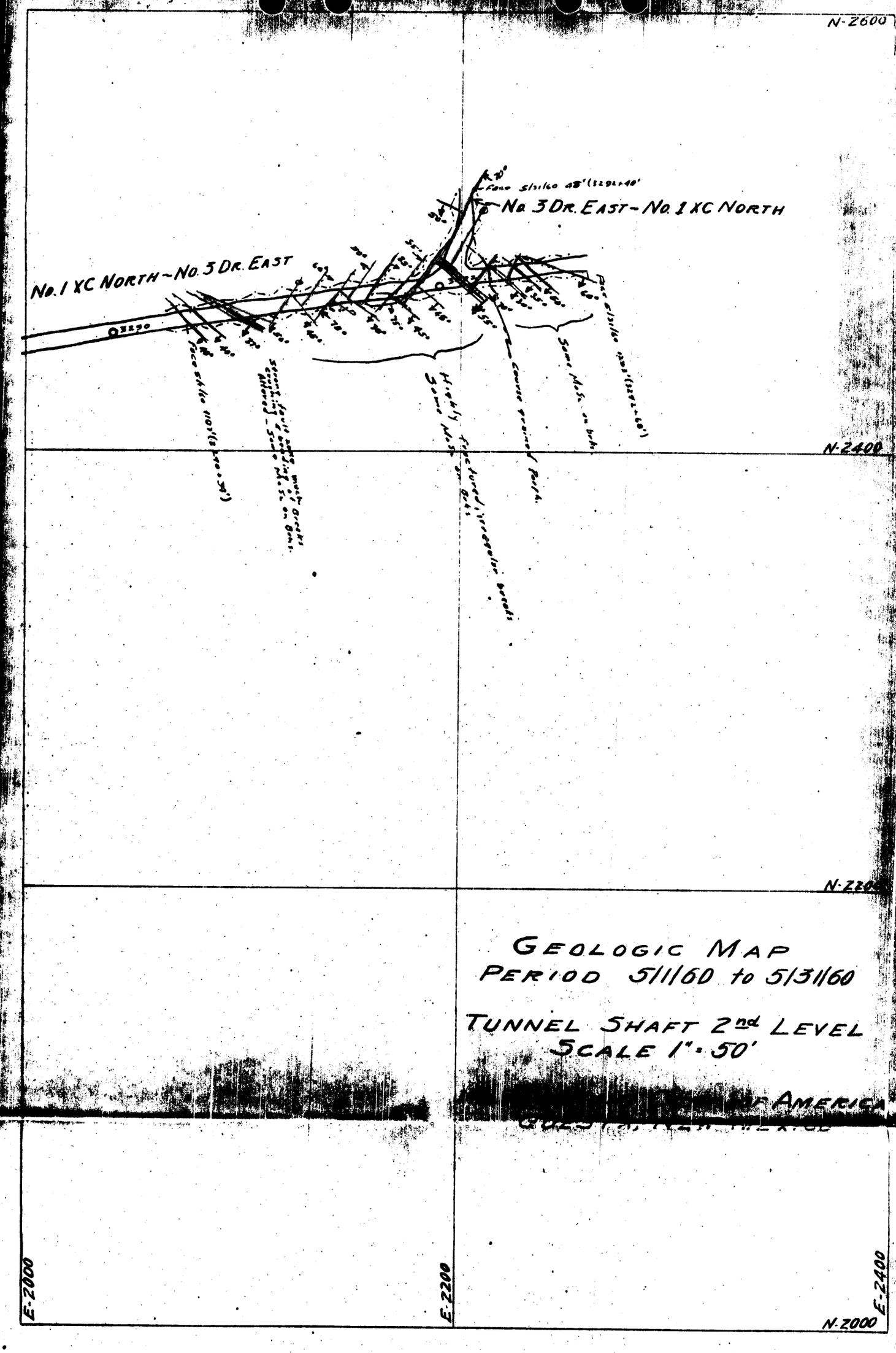
Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.



GEOLOGIC MAP
PERIOD 5/1/60 to 5/31/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

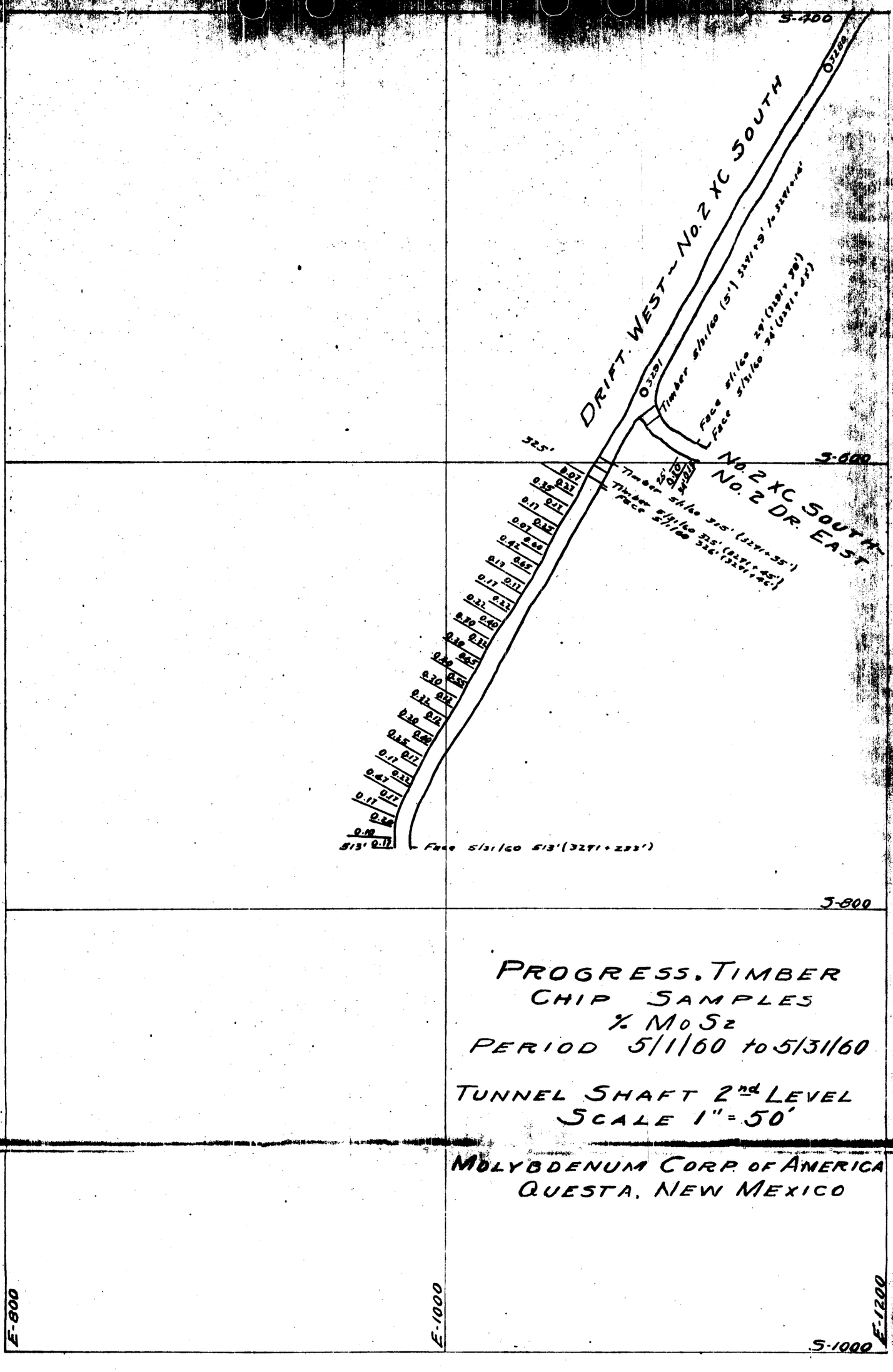
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

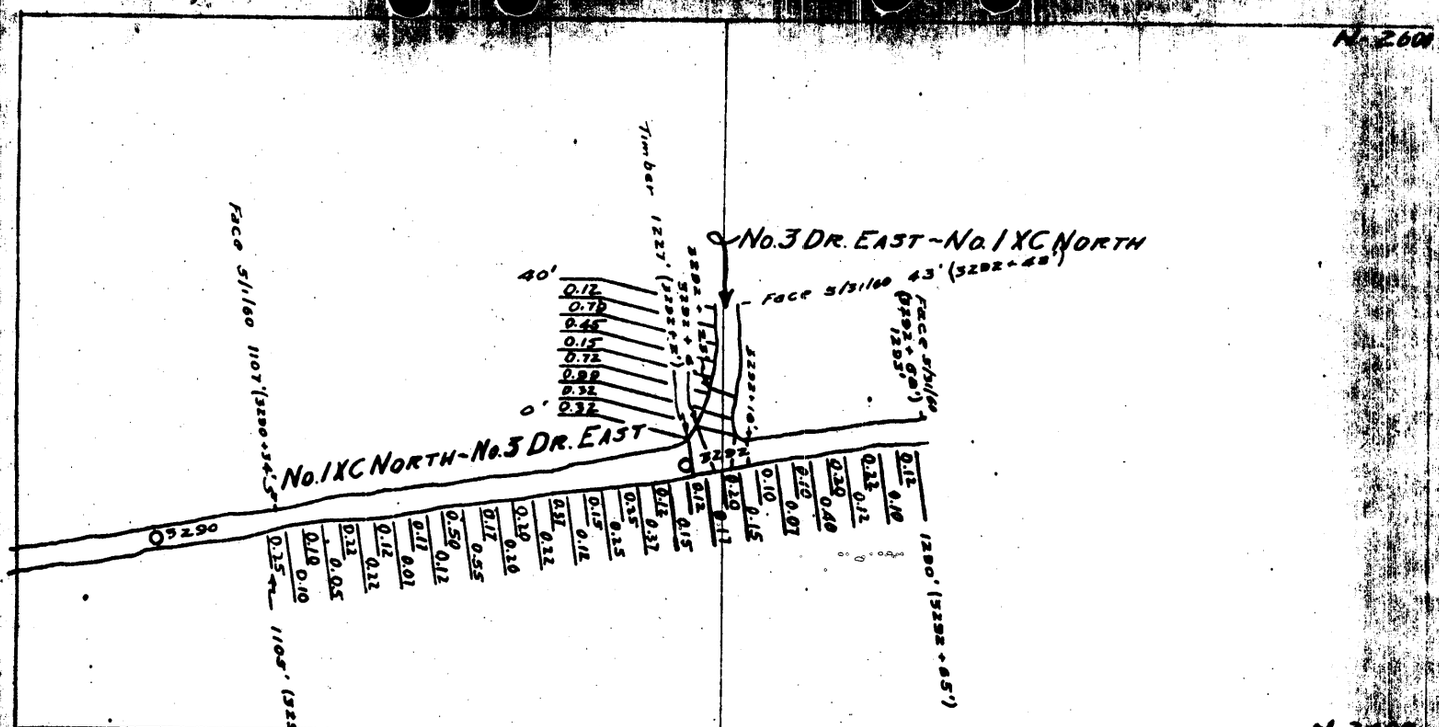


GEOLOGIC MAP
PERIOD 5/1/60 to 5/31/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

AMERICA


S-400
DRIFT. WEST ~ No. 2 XC SOUTH
0.3281
Timber 5/1/60 (5') 3271+5' to 3271+10'
Face 5/1/60 29' (3271+30')
Face 5/31/60 34' (3271+35')
525'
S-600
No. 2 XC SOUTH
No. 2 DR. EAST
Timber 5/1/60 315' (3271+35')
Timber 5/1/60 335' (3271+45')
Face 5/31/60 336' (3271+46')
0.07 0.33 0.35 0.51 0.17 0.32 0.07 0.60 0.42 0.65 0.13 0.17 0.17 0.22 0.22 0.40 0.30 0.24 0.36 0.45 0.30 0.55 0.30 0.32 0.32 0.72 0.30 0.40 0.35 0.17 0.11 0.32 0.47 0.12 0.17 0.28 0.10 0.17
513'
Face 5/31/60 513' (3271+293')
S-800
PROGRESS. TIMBER
CHIP SAMPLES
% MoS2
PERIOD 5/1/60 to 5/31/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
E-800
E-1000
E-1200
S-1000


N-2600
No.3 DR. EAST - No.1 XC NORTH
43' (3292+43')
Face 5/31/60
Face 5/31/60
(3292+68')
1205'
Timber 122' (3292+22')
3292+0
3292+10'
40'
0.12
0.70
0.45
0.15
0.72
0.88
0.32
0.32
0'
No.1 XC NORTH - No.3 DR. EAST
3292
Face 5/1/60 1107' (3290+34')
3290
0.12
0.10
0.20
0.40
0.07
0.10
0.15
0.12
0.32
0.10
0.12
0.15
0.15
0.25
0.35
0.32
0.12
0.32
0.20
0.70
0.55
0.50
0.12
0.11
0.01
0.12
0.12
0.23
0.05
0.70
0.10
0.15
1105' (3290+32')
1200' (3292+65')
N-2400
N-2200
PROGRESS, TIMBER
CHIP SAMPLES
% MoS2
PERIOD. 5/1/60 to 5/31/60
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
E-2000
E-2200
E-2400
N-2000

E-900
E-1000
E-1200
E-1400
E-1500
N-2600
N-3000
No. 1 KC NORTH
3273
3276
3279
3281
3282
No. 1 KC NORTH - No. 5 DR. EAST
SLUDGE SAMPLES
CORE SAMPLES
DIAMOND DRILL HOLE No. 41
500' HORIZONTAL DUE EAST
% Mo S2
SCALE 1" = 50'
5/31/60
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

Core Log Diamond Drill Hole 041
Date Drilled 4/21/60 to 5/14/60
% Core Recovery 34.25 Length of Hole 500 FT

Coordinates of Collar N2800 - E975 Bearing EAST
Elevation of Collar 7841 Inclination -0-

	Distance From	Distance To	Core SPL No	Core wt lb	Core wt oz	Core % Rec	Core % Mass	Sludge SPL No	Sludge % Mass	Remarks	
4	0	5		10	12	4778				Transition	NX
5	5	10		9	8	4222				Redrock	
6	0	10	2570	20	4	4500	0.12	2582	0.10		
7	10	20	2571	3	6	1350	0.07	2583	0.10	"	BX
8	20	25		8	-	6400				"	"
9	25	29		8	12	8750				"	"
10	29	30		2	12	10.00				"	"
11	20	30	2572	18	-	7200	0.10	2584	0.10		
12	30	40	2573	2	4	0900	0.10	2585	0.07	"	"
13	40	50	2574	3	10	1450	0.07	2586	0.07	Transition	"
14	50	60	2575	3	10	1450	0.15	2587	0.12	"	"
15	60	70	2576	2	4	0900	0.10	2588	0.12	"	"
16	70	80	2577	7	6	2950	0.12	2589	0.12	"	"
17	80	81		1	6	5500				"	"
18	81	86		6	8	5200				"	"
19	86	90		5	8	5500				"	"
20	80	90	2578	13	6	5350	0.15	2590	0.10		
21	90	96		4	8	3000				"	"
22	96	100		7	-	7000				"	"
23	90	100	2579	11	8	4600	0.22	2591	0.10		
24	100	101		2	8	10.00				"	"
25	101	108		9	12	5571				"	"
26	108	110		3	12	7500				"	"
27	100	110	2580	16	-	6400	0.12	2592	0.12		
28	110	113		3	8	4666				"	"
29	113	115		5	12	10.00				"	"
30	115	120		6	12	5400				"	"
31	110	120	2581	16	-	6400	0.12	2593	0.12		
32	120	124		2	4	2250				"	"
33	124	130		2	-	1333				"	"
34	120	130	2603	4	4	1700	0.07	2594	0.07		
35	130	131		1	2	4500				"	"
36	131	133		1	6	2750				"	"
37	133	135		1	6	2750				"	"
38	135	136		2	-	8000				"	"
39	136	139		4	2	5500				"	"
40	139	140		2	2	8500				"	"
41	130	140	2604	12	2	4850	0.12	2628	0.07		
42	140	144		3	12	3750				"	"
43	144	150		3	8	2333				"	"
44	140	150	2605	7	4	0290	0.10	2629	0.10		
45	150	151		1	8	6000				"	"
46	151	154		2	4	3000				"	"
47											

Core Log [illegible] Diamond Drill [illegible] No 41

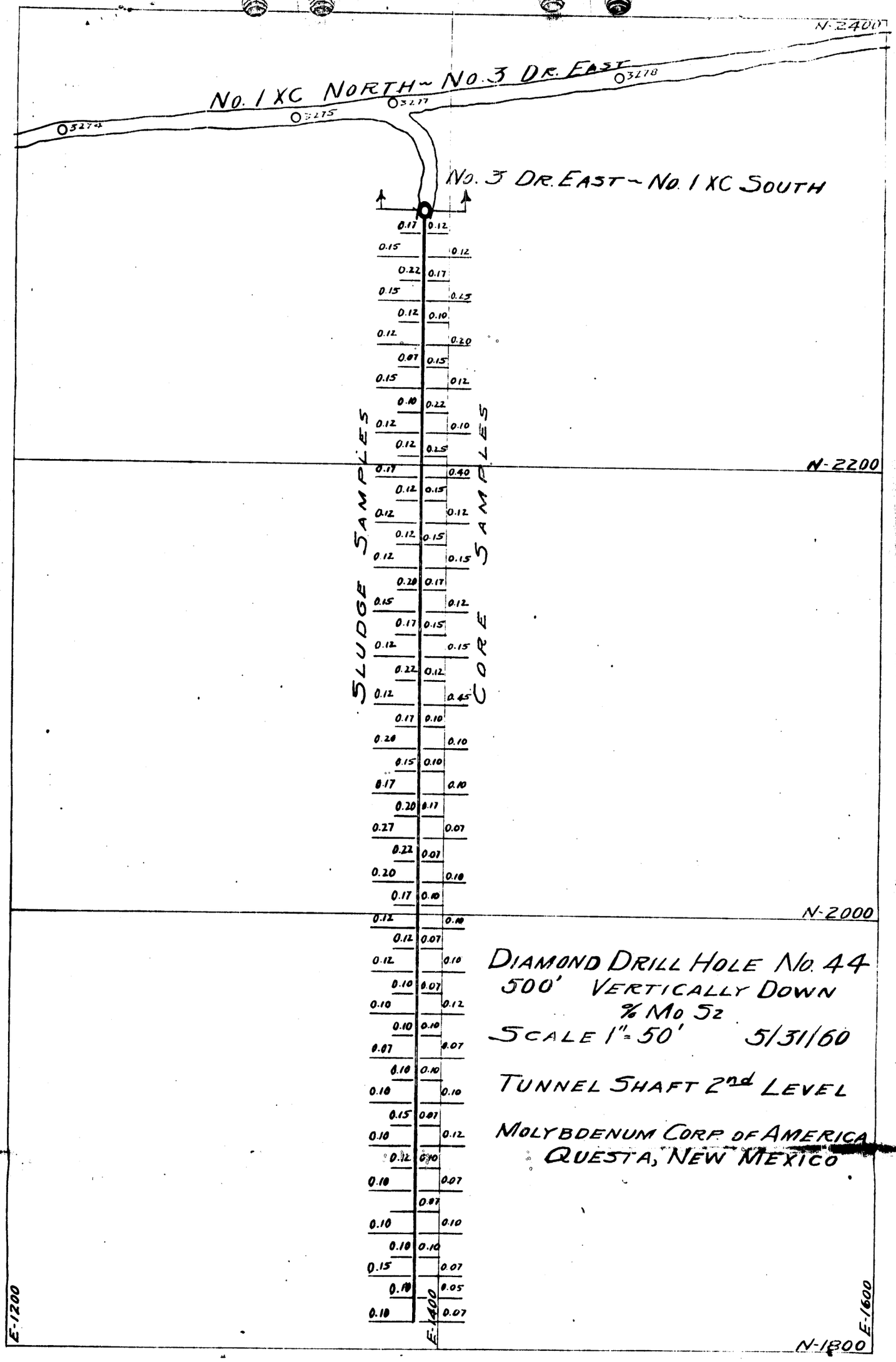
Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Sludge SPL No	Sludge % Mass	Remarks	
154	160		3	12	2500				Transition	OK
150	160	2606	7	8	3000	0.10	2630	0.10		
160	161		1	4	5000				"	"
161	165		3	10	3625				"	"
165	170		4	2	3300				"	"
160	170	2607	9	-	3600	0.12	2631	0.05		
170	171		2	10	10000				"	"
171	176		4	-	3200				"	"
176	180		8	2	8125				"	"
170	180	2608	14	12	5900	0.12	2632	0.10		
180	183		4	8	6000				"	"
183	188		1	6	1100					
188	190		4	12	9500				"	"
180	190	2609	10	10	4250	0.22	2633	0.12		
190	197		4	8	2571				"	"
197	200		5	8	7333				"	"
190	200	2610	10	-	4000	0.07	2634	0.12		
200	205		5	6	4300				"	"
205	209		5	4	5250				"	"
209	210		1	8	6000				Porphyry	"
200	210	2611	12	2	4850	0.07	2635	0.10		
210	216		3	-	2000				"	"
216	220		4	2	4125				"	"
210	220	2622	7	2	2850	0.10	2636	0.12		
220	221		1	-	4000				"	"
221	227		2	6	1583				"	"
227	229		2	14	5750				"	"
229	230		1	6	5500				"	"
220	230	2623	7	10	3050	0.10	2637	0.12		
230	232		1	12	7000				"	OK
232	234		1	6	5500				"	"
234	237		3	8	9333				"	"
237	239		-	12	3000				"	"
239	240		-	6	3000				"	"
230	240	2624	7	12	6200	0.05	2638	0.12		
240	241		-	12	6000				"	"
241	250		2	-	1778				"	"
240	250	2625	2	12	2200	0.07	2639	0.10		
250	251		-	12	6000				"	"
251	255		2	4	4500				"	"
255	260		1	12	2800				"	"
250	260	2626	4	12	3800	0.07	2640	0.10		
260	265		1	14	3000				"	"
265	270		1	8	2400				" Very Siliceous	"
260	270	2627	3	6	2700	0.10	2641	0.10		
270	271		-	8	4000				" " "	"

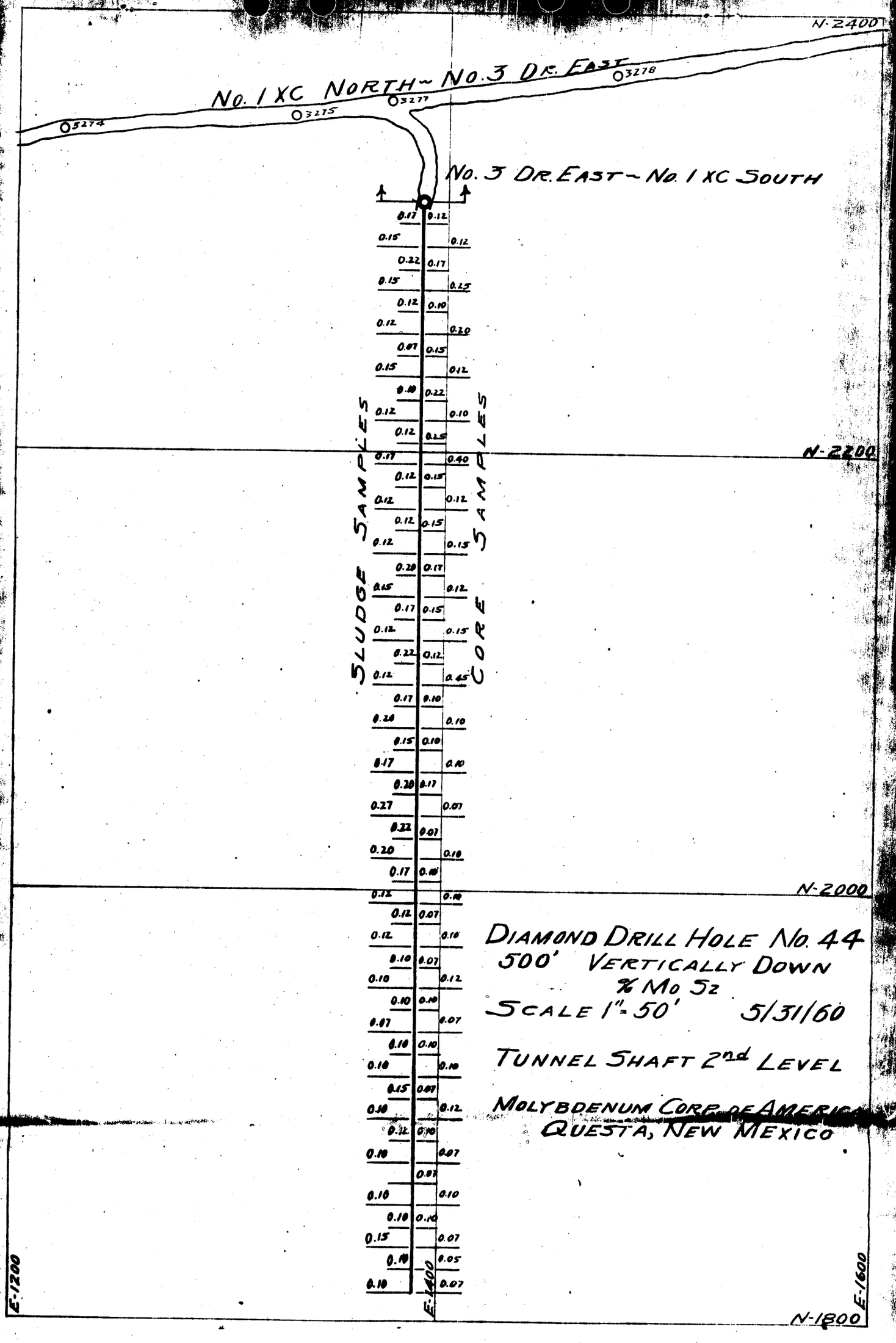
Core Log [illegible] Diamond Drill [illegible]

	Distance From	To	Core SPL mo	Core Lb	Core Oz	Core Re	Core % mass	Sludge SPL 7.0	Sludge % 7.02	Remarks		
1	271	273		1	8	6000				Porphyry	very siliceous	"
2	273	279		1	4	1667				"	"	"
3	279	280		–	8	4000				"	"	"
4	270	280	2791	3	12	3000	0.10	2642	0.10			
5	280	284		1	2	2250				"	"	"
6	284	290		–	14	1167				"	"	"
7	280	290	2792	2	–	1600	0.10	2643	0.07			
8	290	291		–	12	6000				"	"	"
9	291	296		1	12	2800				"	"	"
10	296	300		–	10	1250				"	"	"
11	290	300	2793	3	2	2500	0.12	2772	0.07			
12	300	304		–	14	1750				Aplite		"
13	304	306		2	–	8000				"		"
14	306	309		1	12	4667				"		"
15	309	310		–	8	4000				"		"
16	300	310	2794	5	2	4100	0.10	2773	0.12			
17	310	311		–	6	3000				"		"
18	311	313		1	4	5000				"		"
19	313	320		–	4	0286				"		"
20	310	320	2795	1	14	1500	0.12	2774	0.10			
21	320	321		–	4	2000				"		"
22	321	323		1	2	4500				"		"
23	323	328			14	1400				"		"
24	328	330			14	3500				"		"
25	320	330	2796	3	2	2500	0.07	2775	0.10			
26	330	335		1	–	1600				"		"
27	335	340		2	–	3200				"		"
28	330	340	2797	3	–	2400	0.12	2776	0.07	"		
29	340	348		2	4	2250				"		"
30	348	350		1	12	7000				"		"
31	340	350	2798	4	–	3200	0.10	2777	0.05			
32	350	353		–	10	1667				"		"
33	353	360		2	14	3286				"		"
34	350	360	2799	3	8	2800	0.10	2778	0.07			
35	360	361		1	–	7500				Porphyry		
36	361	367		2	14	3833				"		"
37	367	370		2	2	5667				"		"
38	360	370	2857	6	–	4800	0.05	2779	0.10			
39	370	378		3	6	3375				"		"
40	378	380		1	2	4500				"		"
41	370	380	2858	4	8	3600	0.05	2780	0.05			
42	380	386		2	4	3000				Aplite		"
43	386	390		–	14	1750				"		"
44	380	390	2859	3	2	2500	0.02	2781	0.10			
45	390	393		1	10	4333				"		"
46	393	397		2	6	4750				"		"
47												

Core Diamond Drill No 41

Distance From	Distance To	Core SPL No	Core Wt lb	Core Wt oz	Core % Rec	Core % Moss	Sludge SPL No	Sludge % Moss	Remarks
397	400		1	-	2667				Aplite
390	400	2860	5	-	4000	0.05	2833	0.07	
400	408		3	-	3000				"
408	410		1	6	5500				"
400	410	2861	4	6	3500	0.05	2834	0.07	"
410	414		-	12	1500				Porphyry
414	420		2	12	3667				"
410	420	2871	3	8	2800	0.05	2835	0.07	
420	430	2872	1	8	1200	0.05	2836	0.05	"
430	431		-	8	4000				"
431	436		-	10	1000				"
436	440		1	4	2500				"
430	440	2873	2	6	1600	0.05	2837	0.07	
440	441		-	10	5000				Granite
441	446		1	-	1600				"
446	450		1	-	2000				"
440	450	2908	2	10	2100	0.07	2838	0.10	
450	456		1	8	2000				"
456	460		1	10	3250				"
450	460	2909	3	2	2500	0.02	2914	0.12	
460	461		1	-	8000				"
461	466		3	2	5000				"
466	470		1	2	2250				"
460	470	2910	5	4	4200	0.05	2915	0.10	
470	476		3	2	4167				"
476	480		1	4	2500				"
470	480	2911	4	6	3500	0.02	2916	0.10	
480	486		2	-	2667				"
486	490		1	4	2500				"
480	490	2912	3	4	2600	0.05	2917	0.12	
490	495		1	12	2800				"
495	500		1	-	1600				"
490	500	2913	2	12	2200	0.07	2918	0.10	


N-2400
No. 1 XC NORTH ~ No. 3 DR. EAST
3274
3275
3277
3278
No. 3 DR. EAST ~ No. 1 XC SOUTH
SLUDGE SAMPLES
CORE SAMPLES
N-2200
N-2000
N-1800
E-1200
E-1400
E-1600
DIAMOND DRILL HOLE No. 44
500' VERTICALLY DOWN
% Mo S2
SCALE 1" = 50'
5/31/60
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2400
No. 1 XC NORTH ~ No. 3 DR. EAST
3274
3275
3277
3278
No. 3 DR. EAST ~ No. 1 XC SOUTH
SLUDGE SAMPLES
CORE SAMPLES
N-2200
N-2000
N-1800
E-1200
E-1400
E-1600
DIAMOND DRILL HOLE No. 44
500' VERTICALLY DOWN
% Mo S2
SCALE 1" = 50'
5/31/60
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

Core Log [illegible] Drill [illegible] 4[illegible]
Date Drilled 4/25/60 to 5/16/60
% Core Recovery 46 34 Length of Hole 500 FT

Coordinates of Collar N2313 - E1588 Bearing .0.
Elevation of Collar 7835 Inclination -90°

Distance Core	Distance To	Core SPL No	Core wt Lb	Core oz	Core % Rec	Core % Moist	Sludge SPL No	Sludge % Moist	Remarks
0	10	2708	8	8	1889	0.12	2678	0.17	Transition
10	16		9	4	6167				"
16	20		3	8	3500				"
10	20	2709	12	12	5100	0.12	2679	0.15	
20	23		4	12	6333				"
23	30		8	4	4714				"
20	30	2710	13	-	5200	0.17	2680	0.22	
30	34		3	14	3875				" Some Granite
34	40		7	12	5167				"
30	40	2711	11	10	4650	0.25	2681	0.15	
40	45		8	10	2900				"
45	50		5	4	4200				Granite
40	50	2712	8	14	3550	0.10	2682	0.12	
50	51		1	12	7000				"
51	54		6	4	8333				"
54	58		8	8	8500				"
58	60		3	4	6500				"
50	60	2713	19	12	7900	0.20	2683	0.12	
60	61		1	10	6500				"
61	70		6	12	3000				Transition
60	70	2714	8	6	3350	0.15	2684	0.07	
70	81	2715	12	-	4800	0.12	2685	0.15	" + Granite
70	81		1	14	7500				" + "
81	84		7	2	9500				"
84	89		8	12	7000				" "
89	90		2	10	100 [illegible]				"
80	90	2716	20	6	8150	0.22	2686	0.10	
90	94		4	12	4750				"
94	99		7	12	6200				"
99	100		1	14	7500				"
90	100	2782	14	6	5750	0.10	2687	0.12	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				
[illegible]	110		2	14	100 [illegible]				"
100	110	2783	9	2	3650	0.25	2688	0.12	
110	116		6	12	4500				"
116	120		7	4	7250				"
[illegible]	120	2784	14	-	5600	0.10	2806	0.17	
[illegible]	121	-	2	12	100 [illegible]				"
[illegible]	124		3	8	4667				"
[illegible]	129		6	14	5500				"
[illegible]	130		2	12	10000				"
[illegible]	130	[illegible]	[illegible]	14	6350	0.15	2807	0.12	"
130	139		8	12	3889				"

	Distance		Core			Core		Slope		Remarks
	From	To	Pct	Wt	Ft	R	Date	Dip	Azimuth	
1	139	140		4	12	7000				Granite
2	130	140	2788	10	8	4200	0.12	2808	0.12	
3	140	144		3	12	3750				"
4	144	150		6	2	4083				"
5	140	150	2800	9	14	3950	0.15	2809	0.12	
6	150	158		10	6	5188				"
7	158	160		3	4	6500				"
8	150	160	2801	13	10	5950	0.15	2810	0.12	
9	160	161		1	6	5500				"
10	161	166		8	12	7000				"
11	166	170		9	4	9250				"
12	160	170	2802	19	6	7750	0.17	2811	0.20	
13	170	175		8	4	6600				"
14	175	180		7	12	6200				"
15	170	180	2803	16	-	6400	0.12	2812	0.15	
16	180	185		9	8	7600				"
17	185	190		9	4	7700				"
18	180	190	2804	18	12	5100	0.15	2813	0.17	
19	190	195		9	4	7400				"
20	195	200		10	4	8200				"
21	190	200	2805	19	8	7800	0.15	2819	0.12	
22	200	205		10	2	8400				"
23	205	210		7	-	5600				"
24	200	210	2814	17	2	6850	0.12	2820	0.22	
25	210	215		2	-	1600				"
26	215	220		4	14	3800				"
27	210	220	2815	6	14	2750	0.45	2821	0.12	
28	220	221		2	4	9000				"
29	221	224		3	2	4167				"
30	224	230		7	10	5083				"
31	220	230	2816	13	-	5200	0.10	2822	0.17	
32	230	235		3	6	2700				"
33	235	240		2	12	2200				"
34	230	240	2817	6	2	2450	0.10	[illegible]	[illegible]	
35	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				
36	250	260		3	-	[illegible]				"
37	250	260		1	12	3500				"
38	250	260	2839	4	12	3800	0.10	2845	0.17	
39	260	261		1	-	8000				"
40	261	263		1	6	5500				"
41	263	269		4	2	5500				"
42	269	270		-	14	7100				"
43	260	270	2840	7	4	5700	0.17	2846	0.20	
44	270	271		-	12	6000				"
45	271	279		1	6	3667				"
46	274	279		5	6	8600				"
47										

Distance From	Distance to	Core SPL mo	Core Wt lb	Core Wt oz	Core % Rec	Core % Moisture	Sludge SPL mo	Sludge % Moisture	Remarks
244	250		1	2	9000	-			Granite
270	280	2841	8	10	6900	0.07	2847	0.27	
280	284		3	12	7500				"
284	290		3	6	4500				"
280	290	2842	7	2	5700	0.07	2848	0.22	
290	291		1	-	8000				"
291	294		1	12	4667				"
294	299		3	14	6200				"
299	300		-	14	7000				"
290	300	2843	7	8	6000	0.10	2849	0.20	
300	304		3	14	7750				"
304	308		3	2	6250				"
308	310		1	4	5000				"
300	310	2844	8	4	6600	0.10	2850	0.17	
310	312		1	4	5000				"
312	317		2	-	3200				"
317	320		1	4	3333				"
310	320	2891	4	8	3600	0.10	2851	0.12	
320	325		1	6	2200				"
325	330		2	4	3600				"
320	330	2892	3	10	2700	0.07	2874	0.12	
330	335		3	-	4800				"
335	337		-	14	3500				"
337	340		1	-	2667				"
330	340	2891	4	14	3900	0.10	2875	0.12	
340	344		1	14	3750				"
344	348		-	8	1000				"
348	350		-	12	3000				"
340	350	2892	3	2	2500	0.07	2876	0.10	
350	357		1	4	1429				"
357	359		1	6	5500				"
359	360		1	2	9000				"
360	360	2893	3	12	3000	0.12	2877	0.10	
360	361		1	[illegible]	[illegible]				
[illegible]	[illegible]		1	4	3667				"
364	368		1	12	3500				"
368	370		-	6	1500				"
360	370	2896	4	10	3700	0.10	2878	0.10	
370	378		-	4	0250				"
378	380		1	8	6000				"
[illegible]	380	2897	1	12	1400	0.07	2879	0.07	
[illegible]	382		-	8	2000				"
[illegible]	387		3	2	5000				"
[illegible]	390		1	[illegible]	4384				"
[illegible]	390	2898	5	4	[illegible]	0.10	2880	0.10	
390	397		5	-	5714				"

	Depth From	Depth To	Core SPL	Core Wt lb	Core Wt oz	Core Wt Mass	Slurp SPL	Slurp %	Slurp % Mass	Remarks	
1	392	400		1	10	4333				Granite	Ax
2	394	400	2889	6	10	5800	0.10	2881	0.10		
3	400	404		-	8	4400				"	"
4	401	408		5	-	5414				"	"
5	403	410		1	6	5500				"	"
6	400	410	2900	6	14	5500	0.07	2887	0.15		
7	410	416		3	12	5000				"	"
8	416	420		2	-	4900				"	"
9	410	400	2901	5	12	4600	0.12	2888	0.10		
10	420	426		2	-	2667				"	"
11	426	430		3	2	6250				"	"
12	420	430	2902	5	2	4100	0.10	2887	0.12		
13	430	432		2	-	8000				Porphyry	"
14	432	436		1	10	3250				"	"
15	436	440		1	12	3500				"	"
16	430	440	2924	5	6	4500	0.07	2890	0.10		
17	[illegible]	446		2	12	3667				"	"
18	446	450		1[illegible]	-	2000				"	"
19	[illegible]	450	2925	3	12	3000	0.07				
20	[illegible]	[illegible]		-	14	1667				"	"
21	[illegible]	[illegible]		2	4	[illegible]				"	"
22	[illegible]	[illegible]	2926	3	2	[illegible]	0.10	2891	0.10		
[illegible]	[illegible]	456		1	2	1500				"	"
[illegible]	[illegible]	[illegible]		1	4	2500				"	"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.10	[illegible]	0.10		
[illegible]	[illegible]	[illegible]		-	8	2000				"	"
[illegible]	[illegible]	[illegible]				[illegible]				"	"
[illegible]	[illegible]	[illegible]				[illegible]				"	"
[illegible]	[illegible]	[illegible]				[illegible]	0.10	[illegible]	0.10		
[illegible]	[illegible]	[illegible]		-	[illegible]	[illegible]				"	"
[illegible]	[illegible]	[illegible]		2	[illegible]	[illegible]				"	"

EXTRA COPY O. M. E RECEIVED JUN 9 1960		
DATE	INITIALS	CODE
6-9	gad	VVO
6/20	[illegible]	110
6/21	Murphy	500

Building 20 - Federal Center
Denver 25, Colorado

May 27, 1960

AIR MAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary
Department of the Interior
Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. MMRA-4568 (Molybdenum)
Contract No. Idm-K1094
Molybdenum Corp. of America
(Questa Mine)
Taos County, New Mexico

In conformance with OME Circular 1, enclosed are the original and two copies of Form MF-104 and MF-104A with attached maps and other pertinent data, Operator's Narrative Report, and Engineer's Inspection Report covering work performed during the month of April 1960.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at Fixed Unit Cost under the short form of contract on Form MF-2-100A; therefore, documentation of the cost is not required.

It is recommended that reimbursement be made to the operator for 50% of the amount reported in Form MF-104 subject to final audit of the operator's accounts.

Original signed by

Hugh M. Connors

Enclosure
HMC/lm
cc: Chief, Division of Field Operations (2)
MF-104 file, Region III
Hasler w/cpy of Engineer's report
Suspense
Chron

Building 20 - Federal Center
Denver 25, Colorado

May 26, 1960

Memorandum

To: Hugh M. Connors, Acting Field Officer
GMM, Region III

From: T. M. Romalo

Subject: Progress Report for April 1960, Docket No. 4568 (Molybdenum)
Contract No. Idm-H1094
Molybdenum Corp. of America
(Moly or Questa Mine)
Taos County, New Mexico

The exploratory project of the captioned contract was inspected by the writer in the company of A. L. Grenlin, Manager, May 18, 1960.

Progress for the reporting period was found as described below and as reported in the attached Operator's Report. All of the reported work was completed in accordance with the work specifications of the contract.

Drifting and Crosscutting

No. 2 Crosscut South was advanced from 139 feet to 346 feet beyond Survey Station No. 3285 and to a point 46 feet beyond Survey Station No. 3291, an advance of 207 feet for the month.

Timbering

A total of 202 lineal feet of No. 2 Crosscut South was timbered. At the end of the month timber has been installed to 35 feet beyond Survey Station No. 3291.

Diamond Drilling

Diamond Drill holes Nos. 40 and 42 were completed at depths of 732 feet and 500 feet, respectively. The advance totals 1232 feet.

Analyses

A total of 165 samples, 123 from Diamond Drill holes Nos. 40 and 42 and 42 from No. 2 Crosscut South, were assayed for MoS_2.

An average of about 0.5 percent MoS_2 was obtained for the approximately

200 feet section cut by No. 2 Crosscut South and for the 100 foot section between 210 feet and 310 feet in Diamond Drill hole No. 40. In general, the assays of samples from the remainder of hole 40 and all of hole 42 were less than 0.2 percent MoS_2.

Other Work

Non-contract work was largely confined to an extention of No. 3 Drift East.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling	The $6160.00 is for the authorized advance of 1232 feet in completed Diamond Drill holes 40 and 42 at $5.00 per foot.
Crosscutting and Drifting	The $9197.01 is for the authorized advance of 207 feet in No. 2 Crosscut South at $44.43 a foot.
Timber	The $545.40 is for the authorized advance of 202 feet in No. 2 Crosscut South at $2.70 a foot.
Analyses	The $495.00 is for the authorized assay for MoS_2 of 165 samples at $3.00 per sample.

Form MF-104A

The form, containing total costs in agreement with those of form MF-104, appears to have been properly completed.

Narrative Report

The narrative report with maps is acceptable.

T. M. Rumsle

T. M. Rumsle

TMR/lm
cc: 6
Chron

C O N T E N T S

April 1960

1. Narrative Report
2. Form MF-104A
3. Form MF-104
4. Geology Map - No. 3 Dft E (Not DMEA)
5. Geology Map - No. 2 CxS
6. Progress, Timber & Chip Sample Map - No. 2 CxS
7. Drill Hole Map - Drill Hole No. 40
8. Drill Hole Map - Drill Hole No. 42
9. Drill Hole Log - Drill Hole No. 40
10. Drill Hole Log - Drill Hole No. 42
11. Progress, Timber & Chip Sample Map - No. 3 Dft E (Not DMEA)

NARRATIVE REPORT

April 1960

Mr. Hugh M. Connors
Acting Field Officer, O.M.E.
Field Team, Region III
Building 20 Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IDM-E1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period April 1 through April 30, 1960 there were 25 working days, 4 Sundays and Good Friday. The mine was worked 25 days on a two shift basis, being down on Good Friday.

There were 207 feet of crosscutting in the No. 2 crosscut south with 202 feet of timbering.

Diamond drill hole No. 40 was completed to 732 feet where it had to be stopped due to adverse drilling conditions.

Diamond drill hole No. 42 was completed to 500 feet.

Work was carried on in the No. 3 drift east and diamond drill holes No. 41 and 44.

Yours very truly,

A. L. Gresham

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1960 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting & Crosscut	ft	0.00	-0-	44430.00	1000.	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timber	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	ea	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Crosscut	ft	9197.01	207	204511.29	4603	44.43	6160	44.43
Drill Sta.	ft	0.00	-0-	11107.50	250	44.43	250	44.43
Timbering	ft	545.40	202	8607.60	3188	2.70	6160	2.70
Analyses	ea	495.00	165	6471.00	2157	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	6160.00	1232	59550.00	11910	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		16397.41		382209.32				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date May 14, 1960 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

JUN 9 1960
O.M.E.

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

Sch 1865

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1960 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

Contract Amount, $ 510,500.00 Government Participation 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	6160.00	90925.00	97085.00			
Drill Sta.	0.00	14262.03	14262.03			
Crosscutting & Drifting	9197.01	239744.28	248941.29			
Timber	545.40	10578.60	11124.00			
Analyses	495.00	8802.00	9297.00			
(2)						
Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	16397.41	365811.91	382209.32	16,397.41	365,811.91	382,209.32

I certify that the above bill is correct and just and that payment therefor has not been received.

Date May 14, 1960 Payee Molybdenum Corp. of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 8198.70

Signature [signature] (Authorized Certifying Officer)

Date 6/7/60 Vou. No. 5056

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-B1094 in accordance with the terms of the contract.

Signature N. M. Tomato Title Mining Engineer Date 5-26-60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Hugh M. Simmons Title Acting Field Officer Date 5-27-60

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

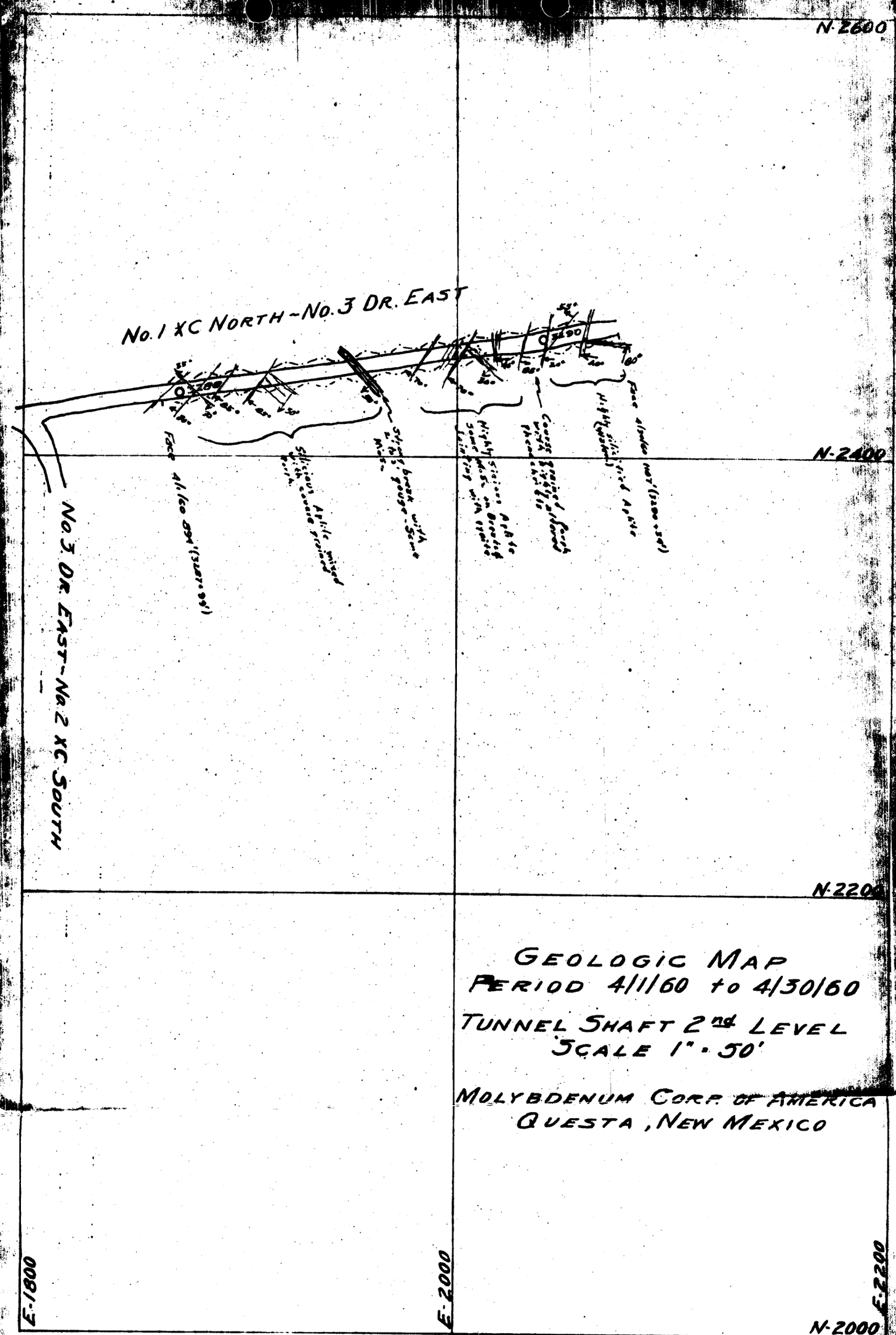
Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

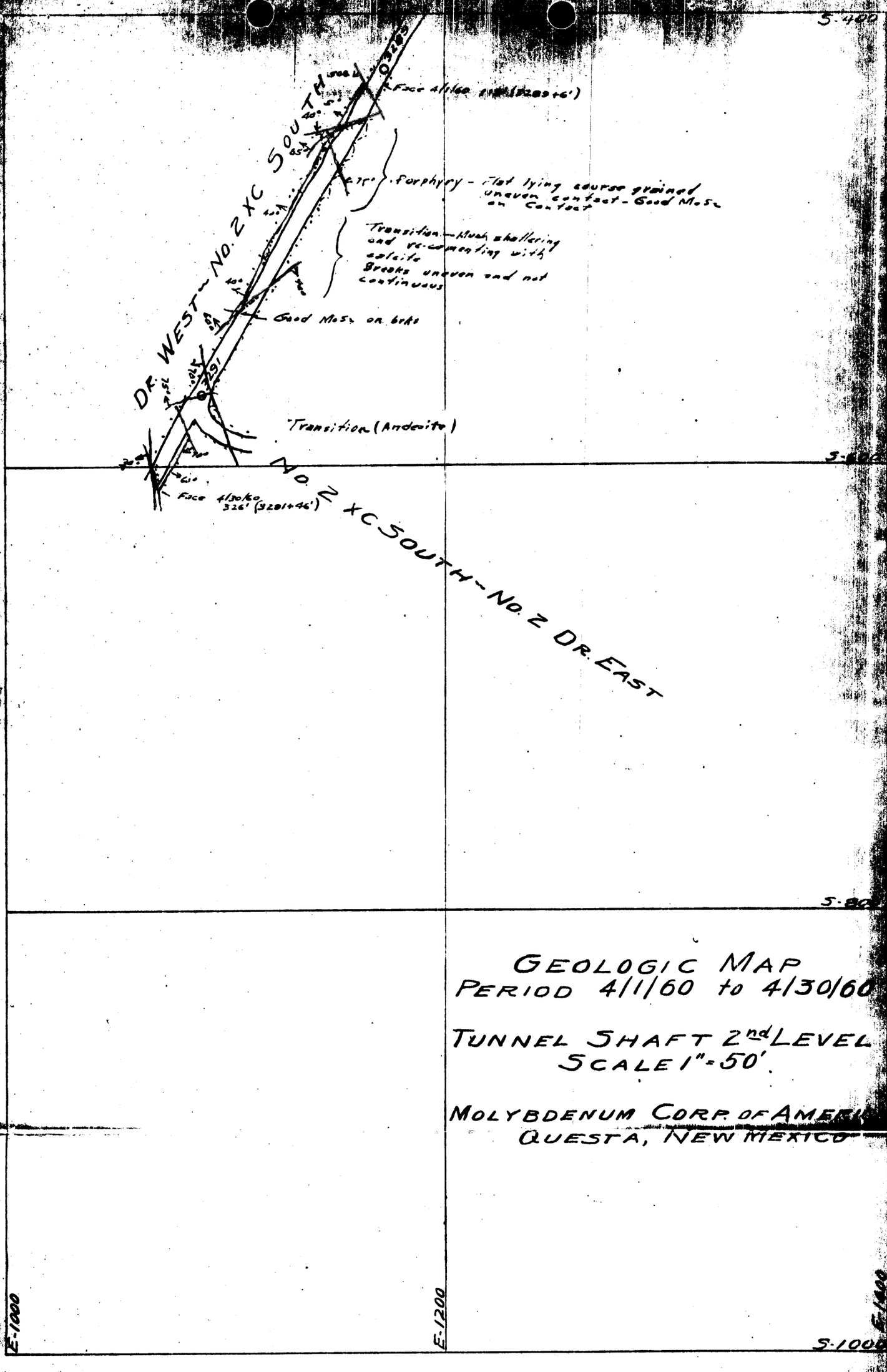
The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.



GEOLOGIC MAP
PERIOD 4/1/60 to 4/30/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

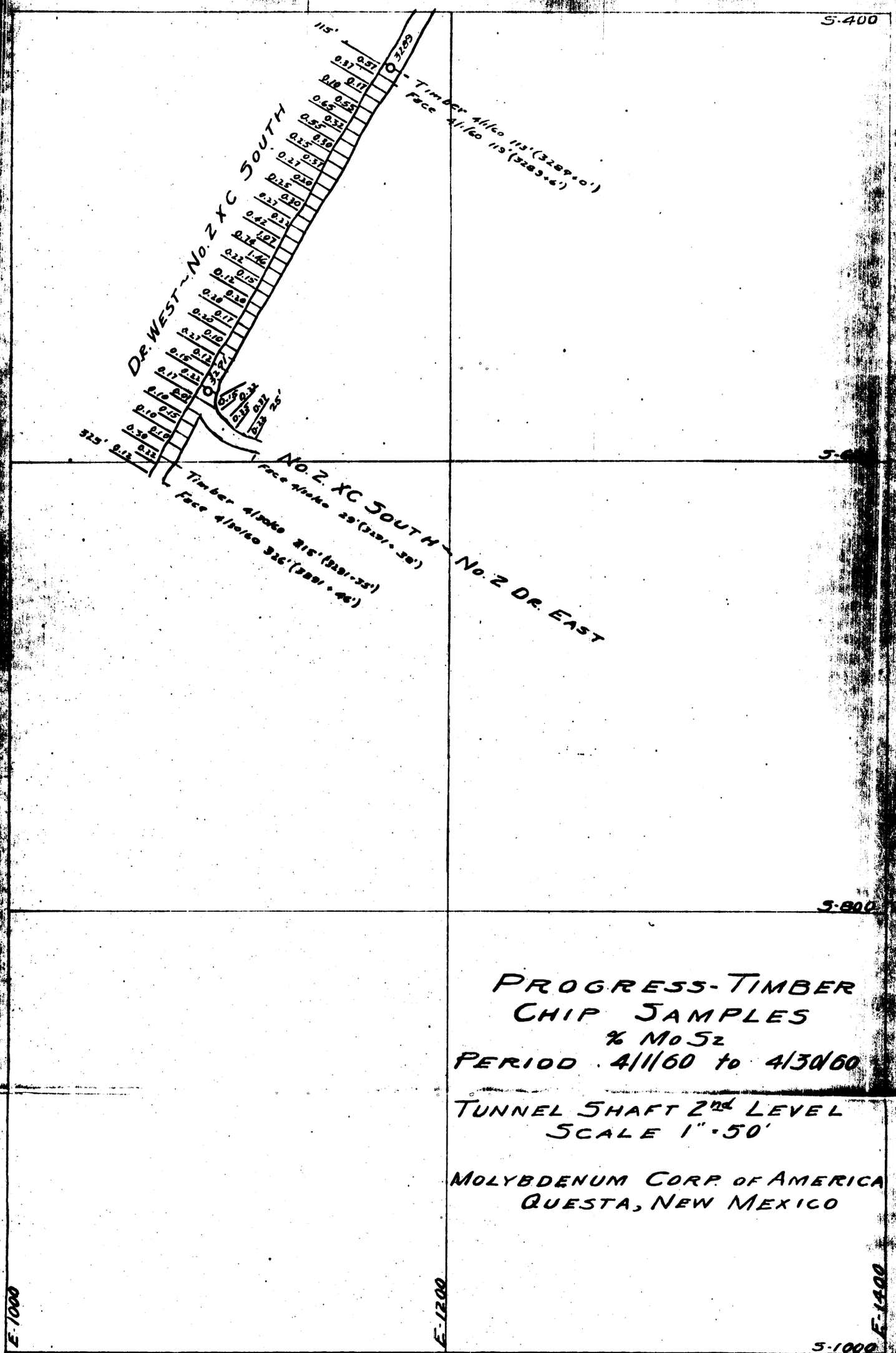
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



GEOLOGIC MAP
PERIOD 4/1/60 to 4/30/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

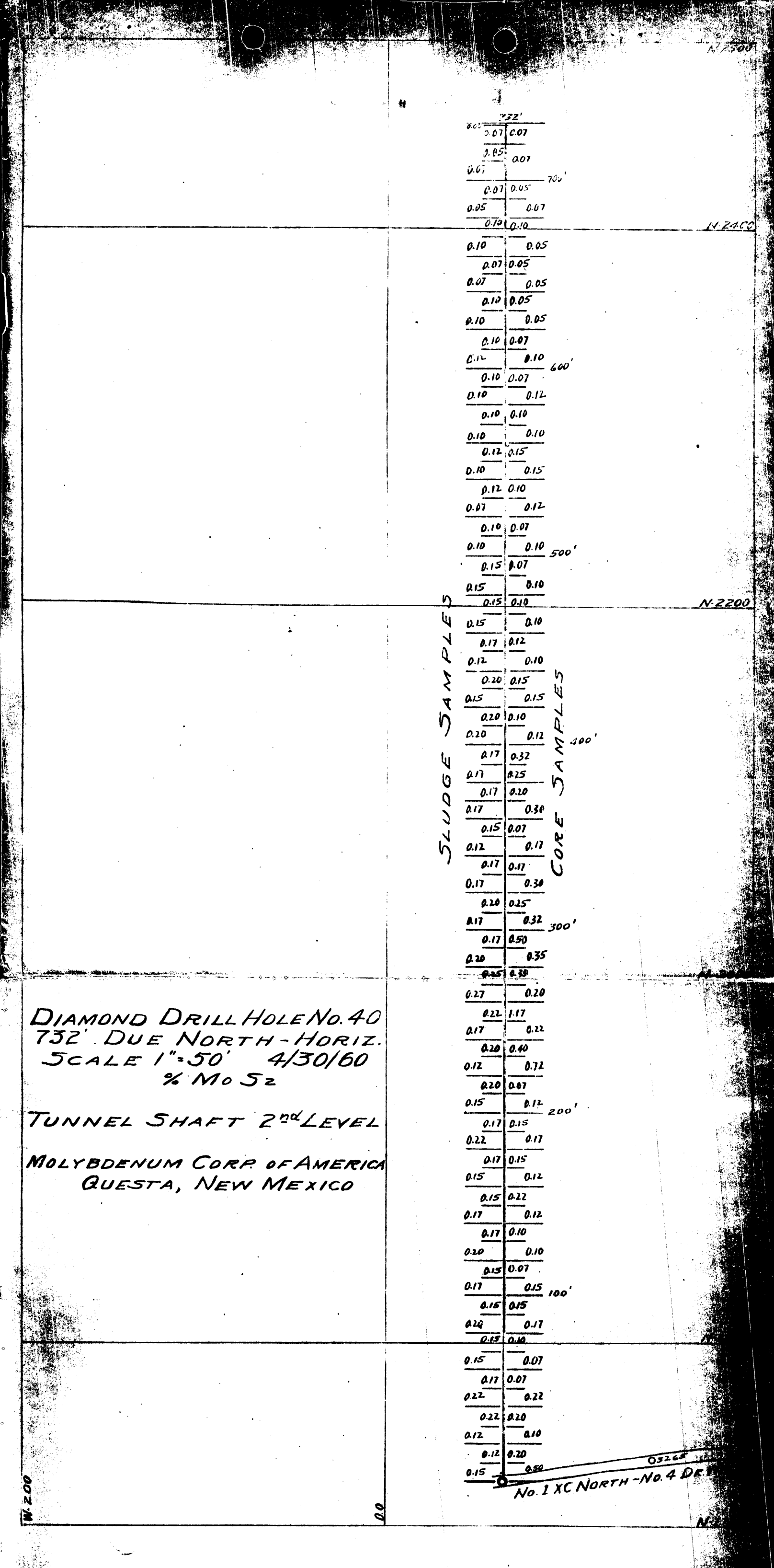
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

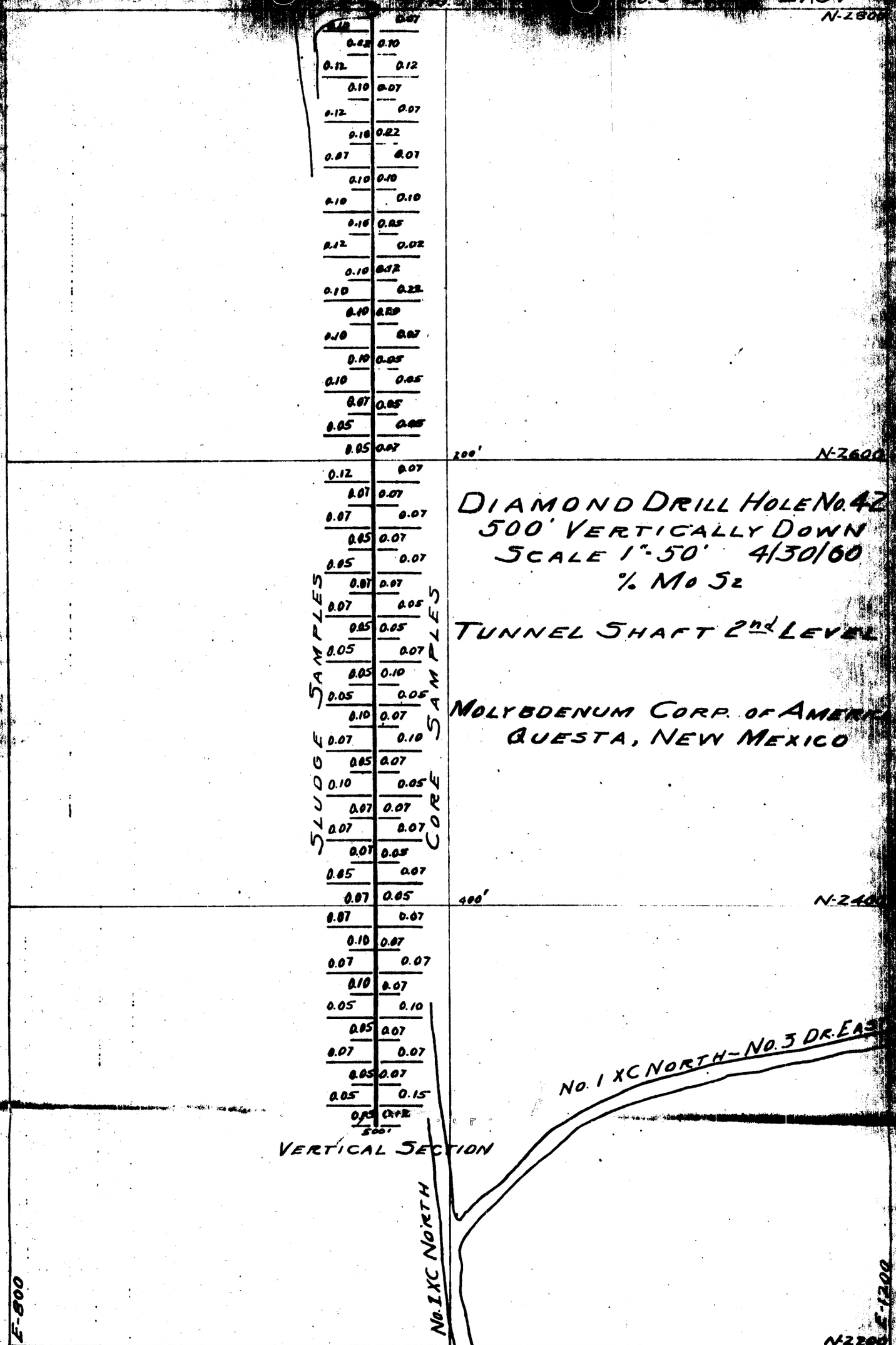


PROGRESS-TIMBER
CHIP SAMPLES
% MoS_2
PERIOD 4/1/60 to 4/30/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2500
732'
0.05
0.07 0.07
0.05 0.07
0.07
700'
0.07 0.05
0.05 0.07
0.10 0.10
N-2400
0.10 0.05
0.07 0.05
0.07 0.05
0.10 0.05
0.10 0.05
0.10 0.07
0.12 0.10
600'
0.10 0.07
0.10 0.12
0.10 0.10
0.10 0.10
0.12 0.15
0.10 0.15
0.12 0.10
0.07 0.12
0.10 0.07
0.10 0.10
500'
0.15 0.07
0.15 0.10
0.15 0.10
N-2200
SLUDGE SAMPLES
CORE SAMPLES
0.15 0.10
0.17 0.12
0.12 0.10
0.20 0.15
0.15 0.15
0.20 0.10
0.20 0.12
400'
0.17 0.32
0.17 0.25
0.17 0.20
0.17 0.30
0.15 0.07
0.12 0.17
0.17 0.17
0.17 0.30
0.20 0.25
0.17 0.32
300'
0.17 0.50
0.20 0.35
0.25 0.30
0.27 0.20
0.22 1.17
0.17 0.22
0.20 0.40
0.12 0.72
0.20 0.07
0.15 0.12
200'
0.17 0.15
0.22 0.17
0.17 0.15
0.15 0.12
0.15 0.22
0.17 0.12
0.17 0.10
0.20 0.10
0.15 0.07
0.17 0.15
100'
0.15 0.15
0.20 0.17
0.15 0.10
0.15 0.07
0.17 0.07
0.22 0.22
0.22 0.20
0.12 0.10
0.12 0.20
0.15 0.50
0.3265
No. 1 XC NORTH - No. 4 DR.
W-2000
0.0
DIAMOND DRILL HOLE No. 40
732' DUE NORTH - HORIZ.
SCALE 1" = 50' 4/30/60
% Mo S2
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


EAST
N-2800
N-2600
N-2400
N-2200
E-800
E-1200
200'
400'
500'
SLUDGE SAMPLES
CORE SAMPLES
0.12 0.07
0.42 0.10
0.12 0.12
0.10 0.07
0.12 0.07
0.18 0.22
0.07 0.07
0.10 0.10
0.10 0.10
0.16 0.05
0.12 0.02
0.10 0.12
0.10 0.22
0.10 0.20
0.10 0.07
0.10 0.05
0.10 0.05
0.07 0.05
0.05 0.05
0.05 0.07
0.12 0.07
0.07 0.07
0.07 0.07
0.05 0.07
0.05 0.07
0.07 0.07
0.07 0.05
0.05 0.05
0.05 0.07
0.05 0.10
0.05 0.05
0.10 0.07
0.07 0.10
0.05 0.07
0.10 0.05
0.07 0.07
0.07 0.07
0.07 0.05
0.05 0.07
0.07 0.05
0.07 0.07
0.10 0.07
0.07 0.07
0.10 0.07
0.05 0.10
0.05 0.07
0.07 0.07
0.05 0.07
0.05 0.15
0.05 0.12
VERTICAL SECTION
DIAMOND DRILL HOLE No. 42
500' VERTICALLY DOWN
SCALE 1" = 50' 4/30/60
% MoS2
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
No. 1 XC NORTH - No. 3 DR. EAST
No. 1 XC NORTH

Core Log [redacted] Drill Hole [redacted] 40
Date Drilled 3/14/60 To 4/20/60
% Core Recovery. 55 02 Coordinates N 1725 E 65

Distance From	Distance To	Core Size No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Sludge Size No	Sludge % Mass	Remarks
0	3		3	12	2857				Transition
3	5		4	12	5429				"
5	9		6	10	3786				"
9	10		3	12	8572				"
0	10	2133	18	14	4314	0.30	2148	0.15	
10	13		4	4	5667				"
13	15		3	2	6250				"
15	20		10	12	8600				"
10	20	2134	18	2	7250	0.20	2149	0.12	
20	24		5	6	5375				"
24	26		3	4	6500				"
26	29		3	10	4833				"
29	30		2	8	100 00				"
20	30	2135	14	12	5900	0.10	2150	0.12	
30	33		5	12	7667				"
33	35		5	12	100 00				"
35	40		10	-	8000				"
30	40	2136	21	8	8600	0.20	2151	0.22	
40	44		7	4	7250				"
44	48		10	-	100 00				"
48	50		3	14	7750				"
40	50	2137	21	2	8450	0.22	2152	0.22	
50	52		3	6	6750				"
52	56		10	2	100 00				"
56	60		7	12	7750				"
50	60	2138	21	4	8500	0.07	2172	0.17	
60	63		5	14	7833				"
63	68		9	8	7600				"
68	70		4	8	9000				" Some Quartz
60	70	2139	19	14	7950	0.07	2173	0.15	
70	71		2	8	100 00				"
71	76		9	12	7800				"
76	80		10	8	100 00				"
70	80	2140	22	12	9100	0.10	2174	0.15	
80	85		10	8	8400				"
85	90		10	4	8200				"
80	90	2180	20	12	8300	0.17	2175	0.20	
90	95		10	10	8500				"
95	100		10	6	8300				"
90	100	2181	21	-	8400	0.15	2176	0.15	
100	105		10	12	8600				"
105	108		7	-	9333				"
108	110		3	12	7500				" Some Quartz - Mass
100	110	2182	21	8	8600	0.15	2177	0.17	
110	111		2	8	100 00				"
111	114		6	4	8333				"

Core Log — Diamond Drill Hole No 40

Date Drilled

% Core Recovery

Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Sludge SPL No	Sludge % Mass	Remarks	
114	117		8	14	10000				Transition	BX
117	120		6	-	8000				"	"
110	120	2183	23	10	9450	0.07	2178	0.15		
120	121		2	2	8500				"	"
121	126		9	-	7200				"	"
126	130		1	12	1750				"	"
120	130	2184	12	14	5150	0.10	2179	0.20		
130	131		1	4	5000				"	"
131	135		7	-	7000				"	"
135	138		5	2	6833				"	"
138	140		4	-	8000				"	"
130	140	2185	17	6	6950	0.10	2208	0.17		
140	143		5	6	5833				"	"
143	150		12	2	8643				"	"
140	150	2186	19	8	7800	0.12	2209	0.17		
150	154		8	[illegible]	8625				Granite	"
154	155		5	6	[illegible]				"	"
155	160		10	-	8000				"	"
150	160	2187	23	[illegible]	7200	0.22	2210	0.15		
160	165		10	4	8200				"	"
165	170		10	-	8000				"	"
160	170	2188	20	4	8100	0.12	2211	0.15		
170	174		5	14	5875				"	"
174	178		6	8	6500				"	"
178	180		4	2	8250				"	"
170	180	2189	16	8	6600	0.15	2212	0.17		
180	185		7	-	5600				Transition	"
185	190		9	12	7800				"	"
180	190	2190	16	12	6700	0.17	2246	0.22		
190	195		8	14	7100				"	"
195	198		6	12	9000				"	"
198	200		3	10	7250				"	"
190	200	2191	19	4	7700	0.15	2247	0.17		
200	202		4	2	8250				"	"
202	205		6	-	8000				"	"
205	208		4	14	6500				"	"
208	210		4	2	8250				"	"
200	210	2256	19	2	7600	0.12	2248	0.15		
210	220	2257	7	10	3050	0.07	2249	0.20	"	"
220	221		2	6	9500				"	BX
221	224		2	12	7333				"	"
224	225		1	8	10000				"	"
225	230		2	6	3800				"	"
220	230	2258	9	-	7200	0.72	2250	0.12		
230	240	2259	2	10	2100	0.40	2251	0.20	"	"
240	241		1	-	8000				"	"

Core Log — Diamond Drill Hole No. 40

Distance From	To	Core SPL No	Core Wt lb	oz	Core % Rec	Core % Rec Mois.	Sludge SPL No	Sludge % Mois.	Remarks
241	246		1	4	3000				Transition
246	250		2	4	4500				"
240	250	2260	5	2	4100	0.22	2252	0.17	
250	251		1	6	10000				"
251	256		3	4	5200				"
256	260		2	12	5500				"
250	260	2261	7	6	5700	1.17	2253	0.22	
260	261		1	2	4000				"
261	266		3	4	6200				"
266	270		3	4	6500				"
260	270	2262	8	4	6600	0.20	2254	0.27	
270	271		1	-	8000				"
271	276		1	10	2600				" - Granite
276	280		1	10	3250				" "
270	280	2280	4	4	3400	0.39	2255	0.25	
280	281		2	-	10000				" "
281	286		3	-	4800				" "
286	290		-	4	2000				"
280	290	2281	6	-	4800	0.35	2295	0.20	
290	294		-	10	1250				"
294	300		1	8	2000				"
290	300	2282	2	2	1700	0.60	2296	0.17	
300	301		-	8	4000				"
301	306		-	8	0800				"
306	310		2	6	4750				"
300	310	2283	3	6	2700	0.82	2297	0.17	
310	312		-	10	2500				"
312	316		1	-	2000				"
316	320		-	12	1500				"
310	320	2284	2	6	1900	0.25	2298	0.20	
320	324		1	4	2500				Granite-Porphyry
324	330		1	8	2000				" "
320	330	2285	2	12	2200	0.30	2299	0.17	
330	335		4	10	4400				"
335	340		4	2	6600				" "
330	340	2286	8	12	7000	0.17	2319	0.17	
340	345		3	4	6200				" Some Transition "
345	350		3	4	5200				" " "
340	350	2287	6	8	5200	0.17	2320	0.12	
350	360	2288	2	12	2200	0.02	2321	0.15	" " "
360	366		3	4	4000				"
366	370		1	2	2250				"
360	370	2289	4	6	3500	0.80	2322	0.17	
370	375		2	-	3200				Mostly Transition
375	380		1	4	2000				" "
370	380	2335	3	4	2600	0.20	2323	0.17	

Core Log — Diamond Drill Hole no 40
Date Drilled
% Core Recovery

	Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % MoS2	Sludge SPL No	Sludge % MoS2	Remarks	
1	380	381		-	4	2000				Granite	AX
2	381	386		1	-	1600				"	"
3	386	390		1	6	2750				"	"
4	380	390	2336	2	10	2100	0.25	2324	0.17		
5	390	391		-	12	6000				"	"
6	391	394		2	-	5333				"	"
7	394	400		2	12	3667				"	"
8	390	400	2337	5	8	4400	0.32	2325	0.17		
9	400	404		2	2	4250				"	"
10	404	406		1	-	4000				"	"
11	406	407		-	6	3000				"	"
12	407	410		1	14	5000				"	"
13	400	410	2346	5	6	4300	0.12	2326	0.20		
14	410	415		1	9	2500				"	"
15	415	420		-	10	1000					
16	410	420	2347	2	3	1750	0.10	2327	0.20	"	"
17	420	424		-	12	1500				"	"
18	424	430		-	3	2500				"	"
19	420	430	2348	-	15	0750	0.15	2328	0.15		
20	430	436		-	8	0667				"	"
21	436	440		-	8	1000				"	"
22	430	440	2349	1	-	8000	0.15	2329	0.20		
23	440	441		1	2	9000				"	"
24	441	443		1	2	4500				"	"
25	443	445		1	14	7500				"	"
26	445	448		-	2	0333				"	"
27	448	450		1	14	7500				"	"
28	440	450	2350	6	2	4900	0.10	2330	0.12		
29	450	456		-	10	8333				"	"
30	456	459		1	2	3000				"	"
31	459	460		-	10	5000				Transition	"
32	450	460	2351	2	10	2100	0.12	2331	0.17		
33	460	461		-	15	7500				"	"
34	461	465		1	4	2500				"	
35	465	470		2	6	3800				"	"
36	460	470	2352	4	9	3650	0.10	2332	0.15		
37	470	475		2	-	3200				"	"
38	475	480		1	2	3000				"	"
39	470	480	2353	3	2	2500	0.10	2333	0.15		
40	480	481		-	3	1500				"	"
41	481	487		4	6	6833				"	"
42	487	490		1	10	6500				"	"
43	480	490	2500	6	3	4800	0.10	2334	0.15		
44	490	495		2	10	4200				"	"
45	495	497		1	-	4000				"	"
46	497	499		1	15	7750				Porphyry	"

Core 207 Diamond Drill Hole No. 40
Date Drilled

499	500		-	8	4000				Porphyry	AX
490	500	2501	3	7	2750	0.07	2522	0.15	"	"
500	510	2502	1	4	1000	0.10	2523	0.10	"	"
510	511		-	6	3000				"	"
511	520		4	12	4222				"	"
510	520	2503	5	2	4100	0.07	2524	0.10		
520	526		1	8	2000				"	"
526	527		-	12	6000				"	"
527	530		2	6	6333				"	"
520	530	2504	4	10	3700	0.12	2526	0.07		
530	532		1	5	5250				"	"
532	537		1	4	2000				"	"
537	540		1	-	2667				"	"
530	540	2505	3	9	2850	0.10	2527	0.12		
540	545		1	10	2600				"	"
545	547		-	10	2500				"	"
547	550		1	8	4000				"	"
540	550	2506	3	12	3000	0.15	2528	0.10		
550	557		3	12	3333				"	"
557	560		-	10	5000				"	"
550	560	2507	4	6	3500	0.15	2529	0.12	"	"
560	562		1	4	5000				"	"
562	567		3	8	5600				"	"
567	570		-	2	0333				"	"
560	570	2508	4	14	3900	0.10	2530	0.10		
570	573		-	12	2000				"	"
573	580		-	4	2857				"	"
570	580	2517	1	-	8000	0.10	2531	0.10		
580	586		-	12	1000				"	"
586	589		1	10	4333				"	"
589	590		-	4	2000				"	"
580	590	2518	2	10	2100	0.12	2532	0.10		
590	597		-	12	0857				"	"
597	600		-	2	0333				"	"
590	600	2519	-	14	0900	0.07	2533	0.10		
600	608		-	12	7500				"	"
608	610		-	8	2000				"	"
600	610	2520	1	4	1000	0.10	2534	0.12		
610	618		1	9	1563				"	"
618	620		-	2	0500				"	"
610	620	2521	1	11	1350	0.07	2535	0.10		
620	625		-	6	0600				"	
625	630		-	10	1000				"	
620	630	2538	1	-	0500	0.05	2536	0.10		
630	635		-	10	1000				"	
635	640		-	6	0600				"	

630	640	2539	1	-	0800	0.05	2537	0.10			
640	641		-	4	2000				Porphyry		RX
641	646		-	4	1400				"		"
646	650		-	4	0500				"		"
640	650	2540	1	6	1100	0.05	2560	0.07			
650	653		-	4	0667				"		"
653	660		1	6	1571				"		"
650	660	2541	1	10	1300	0.05	2561	0.07			
660	666		2	-	2667				"		"
666	670		2	-	4000				TRANSITION		"
660	670	2542	4	-	3200	0.05	2562	0.10			
670	676		2	-	2667				"		"
676	680		-	6	0750				"		"
670	680	2543	2	6	1900	0.10	2563	0.10			
680	681		-	6	3000				"		"
681	690		-	6	0333				"		"
680	690	2544	-	12	0600	0.07	2564	0.05			
690	691		-	4	2000				"		"
691	700		-	6	0333				"		"
690	700	2545	-	10	0500	0.05	2565	0.07			
700	701		-	4	2000				"		"
701	710		-	6	0333				"		"
700	710		-	10	0500		2566	0.07			
710	711		-	6	3000				"		"
711	716		-	4	0400				"		"
716	720		-	6	0750				"		"
710	720		1	-	0800		2567	0.05			
700	720	2546	1	10	0500	0.07					
720	726		-	12	1000				"		"
726	730		-	8	1000				"		"
720	730		1	4	1000		2568	0.07			
730	732		-	6	1500				"		"
720	732	2547	1	10	1000	0.07	2569	0.05			

* Not Enough Core for Sample

Core Log Diamond Drill Hole No 42

DATE Drilled 3/14/60 To 4/20/60

% Core Recovery 40 46 Coordinate N 2000 E 970

Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Sludge SPL No	Sludge % Mass	Remarks	
0	10	2126	22	–	5029	0.01	2116	0.10	Transition	NX
10	15		9	2	7800				"	BX
15	20		7	–	5600				"	"
10	20	2127	16	2	6450	0.10	2117	0.12		
20	21		2	12	100.00				"	"
21	26		10	–	8000				"	"
26	30		8	–	8000				"	"
20	30	2128	20	12	8300	0.12	2118	0.12		
30	34		7	–	7000				"	"
34	40		11	14	7916				"	"
30	40	2157	18	14	7550	0.07	2119	0.10		
40	43		7	–	9333				"	"
43	50		10	4	5857				"	"
40	50	2158	17	4	6900	0.07	2120	0.12		
50	51		2	6	9500				"	"
51	60		6	–	2667				"	"
50	60	2159	8	6	3350	0.22	2121	0.10		
60	61		2	–	8000				"	"
61	70		3	14	1722				"	"
60	70	2160	5	14	2350	0.07	2122	0.07		
70	71		1	10	6500				"	"
71	77		4	4	2833				"	"
77	80		6	4	8333				"	"
70	80	2161	12	2	4850	0.10	2123	0.10		
80	82		1	4	2500				"	"
82	90		6	–	3000				"	"
80	90	2162	7	4	2900	0.10	2124	0.10		
90	91		2	8	100.00				Transition + Granite	"
91	100		2	–	8889				" " "	"
90	100	2163	4	8	1800	0.05	2125	0.10		
100	101		1	4	5000				Granite	"
101	104		2	10	3500				"	"
104	109		–	8	0400				"	"
109	110		2	4	9000				"	"
100	110	2164	6	10	2650	0.02	2213	0.12		
110	116		4	8	3000				"	"
116	120		5	4	5250				"	"
110	120	2165	9	12	3400	0.12	2214	0.10		
120	130	2166	6	4	2500	0.22	2215	0.10	"	"
130	136		4	4	2833				"	"
136	140		4	14	4875				"	"
130	140	2167	9	2	3650	0.20	2216	0.10	"	"
140	141		2	2	8500				"	"
141	150		3	10	1611				"	"
140	150	2200	5	12	2300	0.07	2217	0.10		
150	151		1	4	5000				"	"

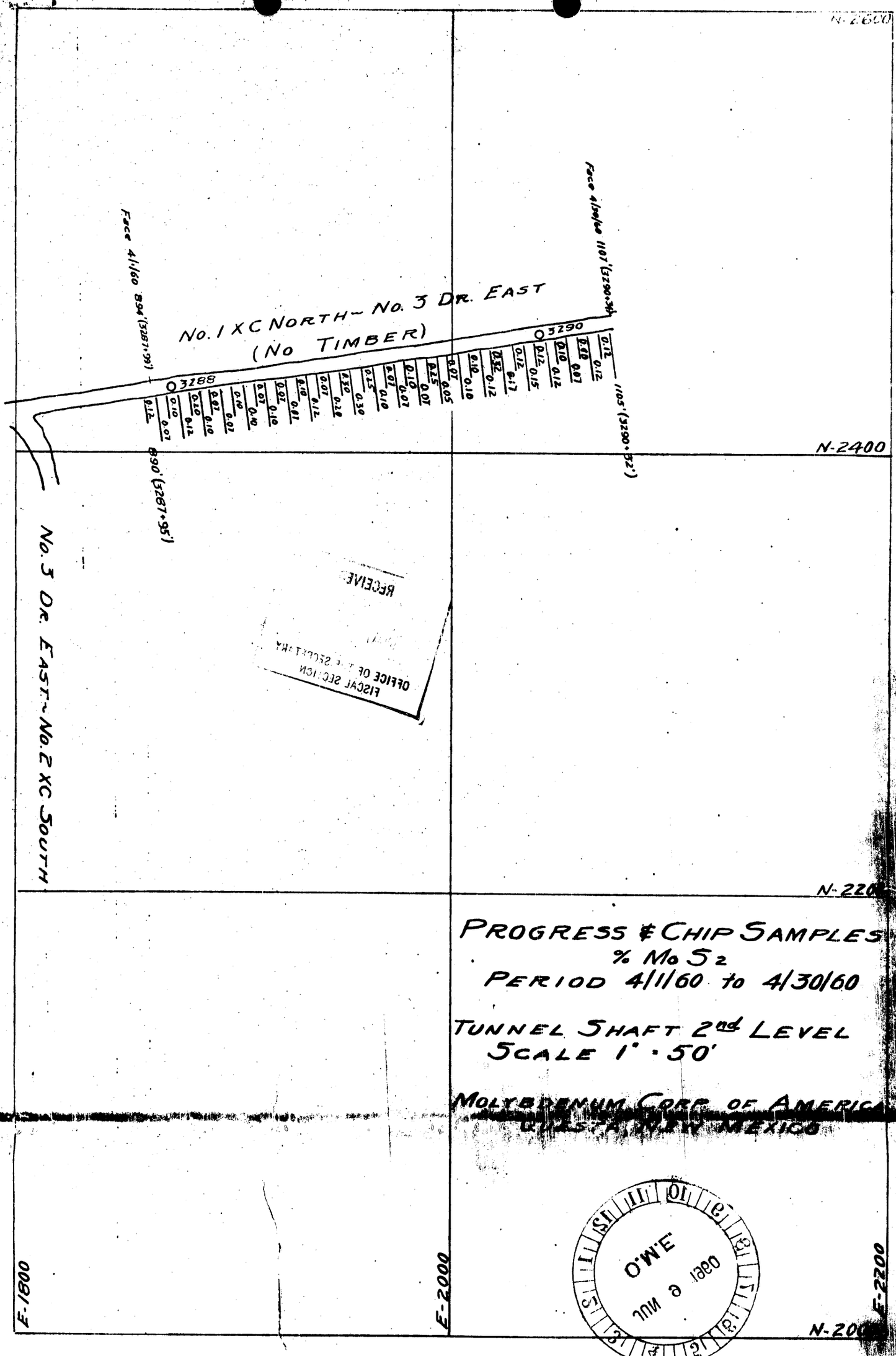
Core Log Diamond Drill Hole No 1

	Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt oz	Core % Rec	Core % Mosa	Sludge SPL No	Sludge % Mosa	Remarks
1	151	156		9	12	7800				Granite
2	156	160		3	4	3250				"
3	150	160	2201	14	4	5700	0.05	2218	0.10	
4	160	161		1	14	7500				"
5	161	170		3	-	1333				"
6	160	170	2202	4	14	2050	0.05	2219	0.10	
7	170	171		1	12	7000				"
8	171	176		10	12	8600				"
9	176	180		8	6	8375				Transition
10	170	180	2203	20	14	8350	0.05	2220	0.07	
11	180	181		1	14	7500				"
12	181	186		2	12	2200				"
13	186	190		4	4	7250				"
14	180	190	2204	11	14	4750	0.05	2221	0.05	
15	190	191		2	2	8500				"
16	191	196		4	14	3900				"
17	196	200		8	14	8875				"
18	190	200	2223	15	14	6350	0.07	2222	0.05	
19	200	201		2	2	8500				" Granite mixed
20	201	210		1	12	1556				" " "
21	200	210	2224	3	14	2818	0.07	2233	0.12	
22	210	211		-	12	6000				"
23	211	215		1	8	3000				"
24	215	218		1	14	5000				"
25	218	220		-	10	2500				"
26	210	220	2225	4	12	3800	0.07	2234	0.07	
27	220	227		-	12	0857				"
28	227	229		1	-	4000				"
29	229	230		1	-	8000				"
30	220	230	2226	2	12	2200	0.07	2235	0.07	
31	230	236		2	6	3167				"
32	236	240		4	2	8250				"
33	230	240	2227	6	8	5200	0.07	2236	[illegible]	
34	240	241		1	2	9000				"
35	241	250		2	2	1889				"
36	240	250	2275	3	4	2600	0.07	2237	0.05	
37	250	255		-	14	1400				"
38	255	260		1	14	3000				"
39	250	260	2276	2	12	2200	0.07	2238	0.07	
40	260	261		1	-	8000				"
41	261	266		2	4	3600				"
42	266	270		1	-	2000				"
43	260	270	2277	4	4	3400	0.05	2315	0.07	
44	260	276		1	-	1083				"
45	276	280		1	8	3000				"
46	270	280	2278	2	8	2000	0.05	2316	0.05	
47										

Drill Record
% Core Recovery

Distance From	Distance To	Core SPL No	Core WT lb	Core WT oz	% Rec	Core % Mass	Slope SPL No	Slope % Mass	Remarks	
280	286		—	8	0667				Transition	AX
286	290		4	8	9000				"	"
280	290	2274	5	—	4000	0.07	2317	0.05		
290	295		2	6	3800				" Some Porphyry	"
295	300		2	1	3300				" " "	"
290	300	2439	4	7	3550	0.10	2318	0.05		
300	303		2	-	5333				"	
303	307		3	6	6750				"	
307	310		1	-	2667				"	
300	310	2440	6	6	5100	0.05	2462	0.05		
310	315		1	10	2600				"	"
315	320		2	2	3400				"	"
310	320	2441	3	12	3000	0.07	2463	0.10		
320	324		1	10	3250				"	"
324	327		—	14	2333				"	"
327	330		1	14	5000				"	"
320	330	2442	3	6	2700	0.10	2464	0.07		
330	331		—	10	5000				Porphyry	"
331	334		—	10	1667				"	"
334	340		1	1	1417				"	"
330	340	2443	2	5	1850	0.07	2465	0.05		
340	341		—	4	2000				"	"
341	346		1	8	2400				"	"
346	350		1	10	3250				"	"
340	350	2444	3	6	2700	0.05	2466	0.10		
350	353		1	2	3000				"	"
353	358		2	12	4400				"	"
358	360		—	14	3500				"	"
350	360	2445	4	12	3800	0.07	2467	0.07		
360	366		2	2	2833				"	"
366	370		1	-	2000				"	"
360	370	2446	3	2	2500	0.07	2468	0.07	"	"
370	376		2	-	2667				"	
376	380		—	12	1500				"	"
370	380	2447	2	12	2200	0.05	2469	0.07		
380	383		1	-	2667				"	"
383	390		1	5	1500				"	"
380	390	2448	2	5	1850	0.07	2470	0.05		
390	396		—	10	0833				"	"
396	400		2	14	5750				"	"
390	400	2449	3	8	2600	0.05	2471	0.07		
400	403		1	2	3000				"	"
403	410		—	8	5714				"	"
400	410	2490	1	10	1300	0.07	2472	0.07		
410	416		—	15	1250				"	"
416	420		2	2	4250				"	"

410	420	2491	3	1	2450	0.07	2473	0.10					
420	421		-	8	4000				Porphyry				Ax
421	425		3	1	6125				"				"
425	430		1	6	2200				"				"
420	430	2492	4	15	3950	007	2474	0.07					
430	436		2	-	2667				"	Mostly	Pyrite		"
436	438		1	1	4250				"	"	"		"
438	440		1	1	4250				"	"	"		"
430	440	2493	4	2	3300	0.07	2475	0.10					
440	441		-	4	2000				"	"	"		"
441	450		-	14	0778				"	"	"		"
440	450	2494	1	2	0900	0.10	2476	0.05					
450	451		1	4	1000				"	"	"		"
451	459		2	4	3000				"	"	"		"
459	459		-	12	3000				"	"	"		"
459	460		-	8	4000				"	"	"		"
450	460	2495	4	12	3800	0.07	2477	0.05					
460	470	2496	2	-	1600	0.07	2478	0.07	"	"	"		"
470	471		-	8	4000				"	"	"		"
471	476		2	8	4000				"	"	"		"
476	480		1	6	2750				"	"	"		"
470	480	2497	4	6	3500	0.07	2479	0.05					
480	486		2	4	3000				"	"	"		"
486	490		-	10	1250				"	"	"		"
480	490	2498	2	24	2300	012	2480	0.05					
480	500	2499	2	8	2000	012	2481	0.05	"	"	"		"


N-2600
Face 4/30/60 1101'(3290+34')
No. 1 XC NORTH ~ No. 3 Dr. EAST
(No TIMBER)
Face 4/1/60 894'(3287+99')
3288
3290
0.12 0.12 0.19 0.07 0.10 0.12 0.12 0.15 0.12 0.17 0.32 0.12 0.10 0.10 0.07 0.05 0.25 0.07 0.10 0.07 0.10 0.07 0.10 0.07 0.25 0.30 0.20 0.28 0.07 0.12 0.10 0.01 0.07 0.10 0.07 0.10 0.10 0.20 0.12 0.07 0.10 0.12 0.07
1105'(3290+52')
890'(3287+95')
N-2400
No. 3 Dr. EAST ~ No. 2 XC SOUTH
RECEIVED
OFFICE OF SECRETARY
FISCAL SECTION
N-2200
PROGRESS & CHIP SAMPLES
% Mo S2
PERIOD 4/1/60 to 4/30/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
LAS VEGAS, NEW MEXICO
E-1800
E-2000
E-2200
N-2000
O.W.E.
Oael e Nuc

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS LORATION

TO:	DATE	INITIALS
1. 110	5/8	[illegible]
2. 500		
3. Mr. Murphy	5/9	[illegible]
4.		
5.		
FROM: rvo	5-5	gad

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C. M50943

Sch. 1678

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

MAY 5 1960 O.M.E.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1960 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N. Y.
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	2110.00	88815.00	90925.00			
Drill Sta.	2265.93	11996.10	14262.03			
Crosscutting & Drifting	9819.03	229925.25	239744.28			
Timber	305.10	10273.50	10578.60			
Analyses	258.00	8544.00	8802.00			
(2) L Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	14758.06	351053.85	365811.91	14758.06	351053.85	365811.91

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 4/18/60 *Payee Molybdenum Corporation of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 7379.03

Signature [signature]
(Authorized Certifying Officer)

Date 5/5/60 Vou. No. 4454

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IdmE1094 in accordance with the terms of the contract.

Signature T M Romslo Title Mining Engineer Date 4-21-60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Hugh M Lowrie Title Acting Field Officer Date 4-25-60

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Building 20 - Federal Center
Denver 25, Colorado

April 25, 1960

EXTRA COPY O. M. E RECEIVED MAY 5 1960		
DATE	INITIALS	CODE

AIR MAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary
Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: Docket No. DMEA-4568 (Molybdenum)
Contract No. Idm-E 1094
Molybdenum Corp. of America
(Questa Mine)
Taos County, New Mexico

In conformance with OME Circular 1, enclosed are the original and two copies of Forms MF-104 and MF-104A with attached maps and other pertinent data, Operator's Narrative Report, and Engineer's Inspection Report covering work performed during the month of March 1960.

It is considered that the operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at Fixed Unit Cost under the short form of contract on Form MF-2-100A; therefore, documentation of the cost is not required.

It is recommended that reimbursement be made to the operator for 50% of the amount reported in Form MF-104 subject to final audit of the operator's accounts.

Original signed by

Hugh M. Conners

Enclosure

Building 20 - Federal Center
Denver 25, Colorado

April 21, 1960

Memorandum

To: Hugh M. Connors, Acting Field Officer, OME, Region III

From: T. M. Romslo

Subject: Progress Report for March 1960, Docket No. DMEA-4568 (Molybdenum), Contract No. Idm-K1094, Molybdenum Corp. of America (Moly or Questa mine) Taos County, New Mexico.

The exploratory project of the subject contract was inspected by the writer April 14, 1960. At the mine office, A. L. Greslin, Manager, furnished information relative to progress and the working places were inspected with you and Mr. R. Carpenter, the Operator's Consulting Geologist.

Progress for the reporting period was found to be as described below, and as recorded in the attached Operator's Report. All of the reported work was completed in accordance with the contract's work specifications.

Drifting and Crosscutting

No. 3 Drift East - Total advance was 171 feet. However, since 398 feet of the authorized 500 feet of advance had been previously completed and approved, the approved advance for March is 102 feet. The 102 feet of advance was from 22 feet to 124 feet beyond Survey Station No. 3283.

No. 2 Crosscut South - Started March 17, advance for the month was 119 feet, from 20 feet to 139 feet beyond Survey Station No. 3285.

Timbering

No. 3 Drift East - None.

No. 2 Crosscut South - 113 feet, from 20 feet to 133 feet beyond Survey Station No. 3285.

Analyses

A total of 86 samples were assayed for MoS2. 42 of the samples were from Diamond Drill hole No. 38, 21 were obtained from No. 3 Drift East and the remaining 23 came from No. 2 Crosscut South.

Diamond Drilling

Diamond Drill hole No. 38 was completed at a depth of 422 feet. Drill holes Nos. 40 and 42 were progressing at depths of 649 feet and 475 feet, respectively, during the inspection.

Drilling Stations

Advance for drilling stations totalled 79 feet. Preparation of the site for drill holes Nos. 41 and 42 comprised 40 feet of drifting and 13 feet of raising. A 14-foot crosscut was driven for the drilling site of hole No. 40 and 12 feet of raising completed the station for holes Nos. 43 and 44. The approved advance for drilling stations is 51 feet, the footage remaining after prior approval of 199 feet of the allowable 250 feet.

Other Work

Non-contract work was largely confined to No. 3 Drift East. The allowable 500 feet of advance in this drift was completed during the reporting period. Present plans call for the drift to be extended an additional 500 feet.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $2110.00 is for the authorized advance of 422 feet in Diamond Drill hole No. 38 at $5.00 per foot.

Drill Stations - The $2265.93 is for the authorized 51 feet of advance in stub drifts, crosscuts and raises at $44.43 per foot. All of the authorized 250 feet of advance for drilling stations have now been completed and approved.

Crosscutting and Drifting	-	The $9819.03 is for the authorized 221 feet of advance, 102 feet in No. 3 Drift East and 119 feet in No. 2 Crosscut South, at $44.43 per foot.
Timber	-	The $305.10 is for the authorized 113 feet of advance in No. 2 Crosscut South at $2.70 per foot.
Analyses	-	The $258.00 is for the authorized assay for MoS2 of 86 samples at $3.00 per sample.
Totals	-	The totals: $14,758.06, $351,053.85, and $365,811.91, appear to be correct.

Form MF-104A

The form, containing total costs in agreement with those of form MF-104, appears to have been properly completed.

Narrative Report

The narrative report with maps is acceptable.

T. M. Romalo

TMR/bjo

cc: 6
Chron.

C O N T E N T S

March 1960

1. Narrative Report

2. Form MF - 104A

3. Form MF - 104

4. Geology Map No. 3 Dft E

5. Progress, Timber & Chip Sample Map - No. 3 Dft E

6. Geology Map No. 2 CxS

7. Progress, Timber & Chip Sample Map - No. 2 CxS

8. Drill Hole Map - Drill Hole No. 38

9. Drill Hole Log - Drill Hole No. 38

NARRATIVE REPORT

March 1960

OME
DEPARTMENT OF THE INTERIOR
APR 21 1960
REGION III
DENVER, COLORADO

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team Region III
Building 20 Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IDM-E1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period March 1 through March 31, 1960 there were 27 working days and 4 sundays. The mine was worked 27 days on a two shift basis.

There were 171 feet of drifting in No. 3 Dft E. 102 feet of this completed the work approved by DMEA in this place. There was no timbering this month.

There were 119 feet of crosscuting in the No. 2 CxS with 113 Feet of timbering.

Diamond Drill hole No. 38 was completed to 422 feet when it had to be stopped due to adverse conditions encountered.

There were 79 feet of drill station work done during this month. Of this there were 40 feet of drifting and 13 feet of raising to make the place for drill holes 41 and 42. 14 feet of extension on the side of 4 Dft W to make room to drill hole No 40 and 12 feet of raising to make room to drill holes No 43 and 44.

We are only reporting 51 feet of this as it completes the contract for stage II drill station allowance.

Yours very truly,

A. L. Greslin

A. L. Greslin, Manager

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

MAY 5 1960 O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1960 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N. Y.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract Units	Authorized by Contract Unit Costs
				Stage I				
Drifting - Crosscut	Ft.	0.00	-0-	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta.	Ft.	0.00	-0-	3154.53	71	44.43	115	44.43
~~Raising~~ Timber	Ft.	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Shafts~~ Analyses	Ea.	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Winzes~~ Ream-Case	Ft.	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	Ft.	0.00	-0-	37535.00	7507	5.00	9000	5.00
~~Shaft~~				Stage II				
Drift ~~Raise~~ Crosscut	Ft.	9819.03	221	195314.28	4396	44.43	6160	44.43
~~Stripping~~ Drill Sta.	Ft.	2265.93	51	11107.50	250	44.43	250	44.43
~~Trenching~~ Timbering	Ft.	305.10	113	8062.20	2986	2.70	6160	2.70
~~Assays~~ Analyses	Ea.	258.00	86	5976.00	1992	3.00	3177	3.00
~~Roads and Trails~~ Ream-Case	Ft.	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	Ft.	2110.00	422	53390.00	10678	5.00	19500	5.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		14758.06		365811.91				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Remarks:

Date 4/18/60 Operator Molybdenum Corporation of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only) [signature]

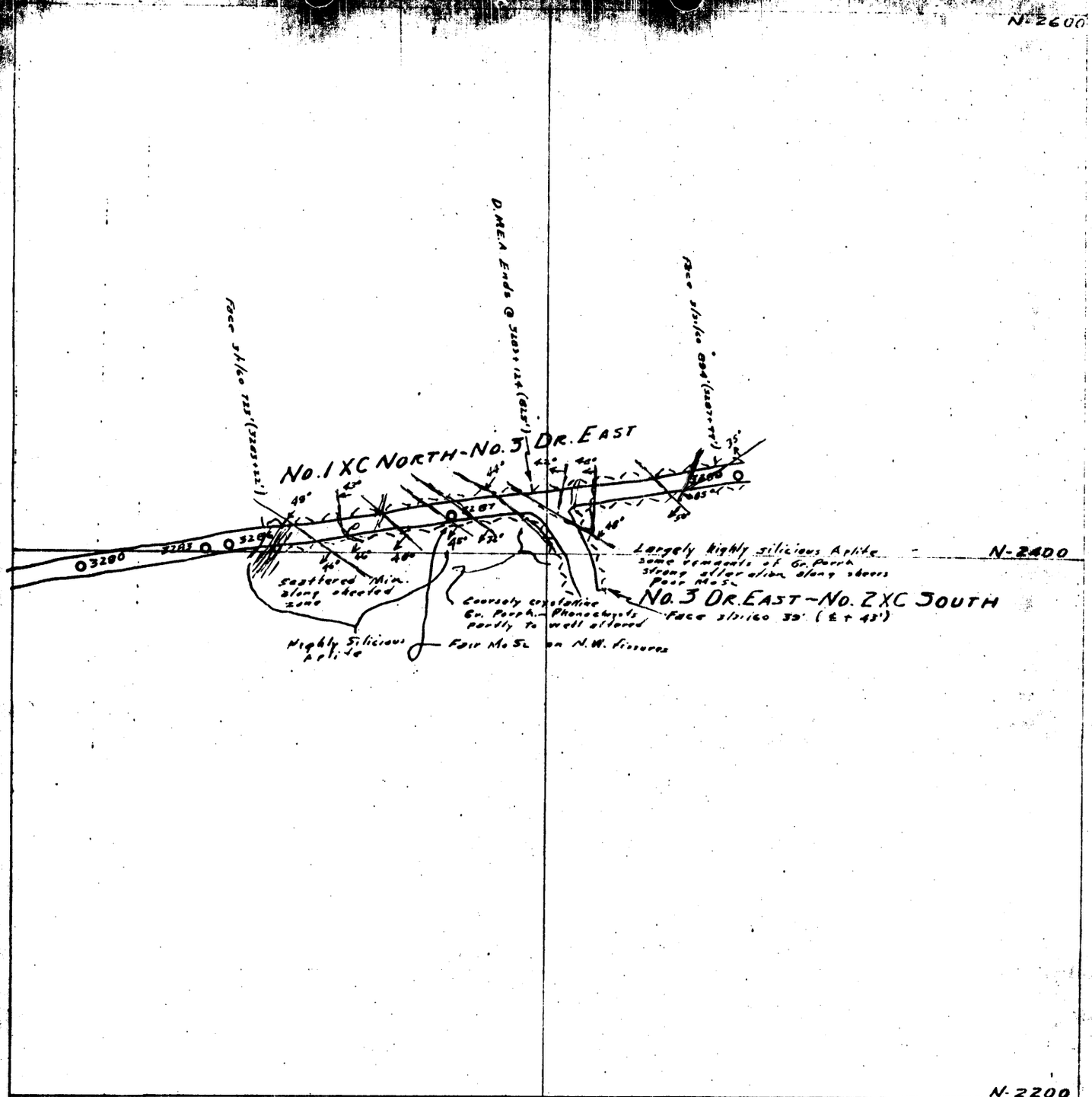
INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

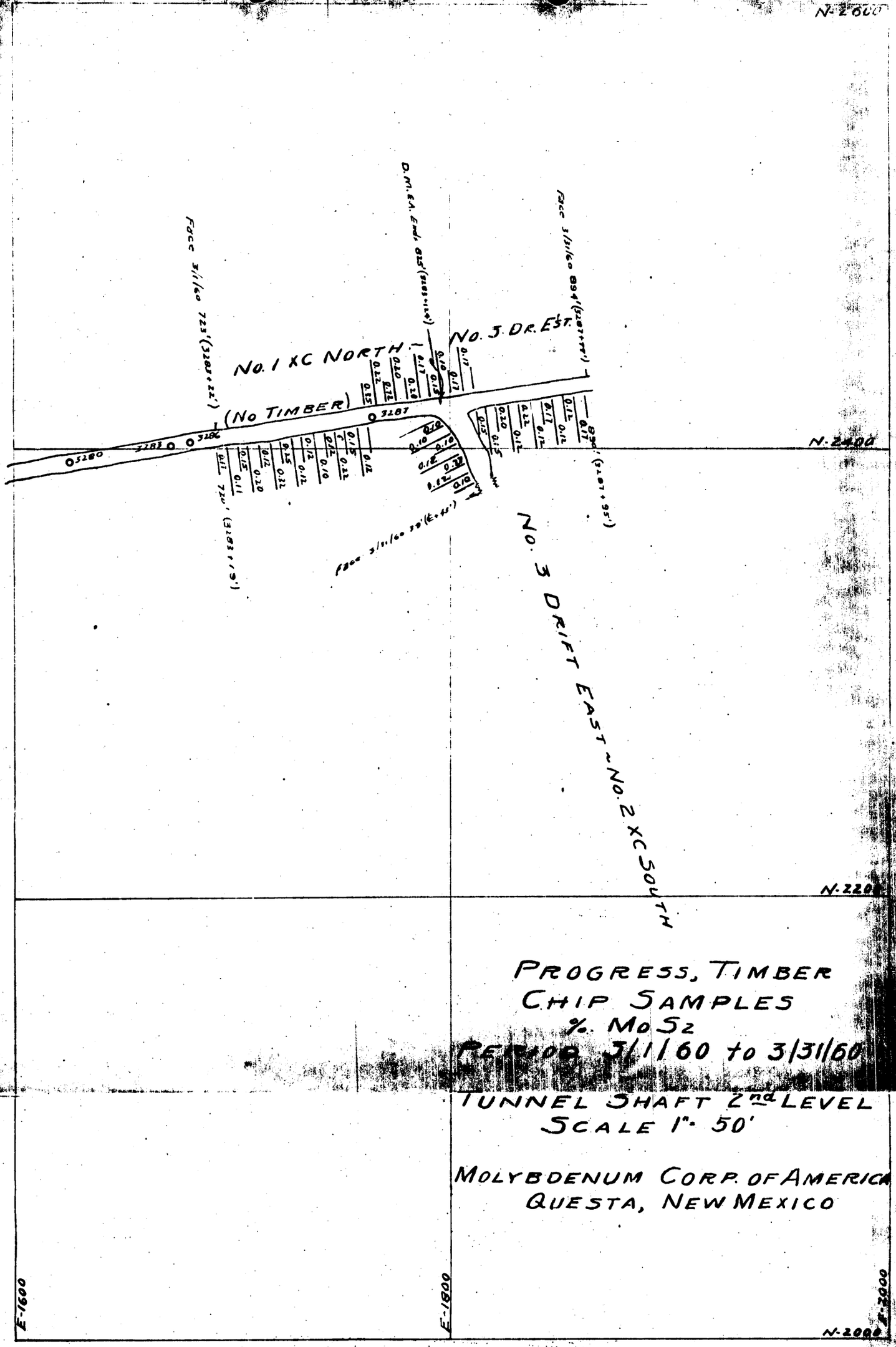
GPO 872894



GEOLOGIC MAP
PERIOD 3/1/60 to 3/31/60

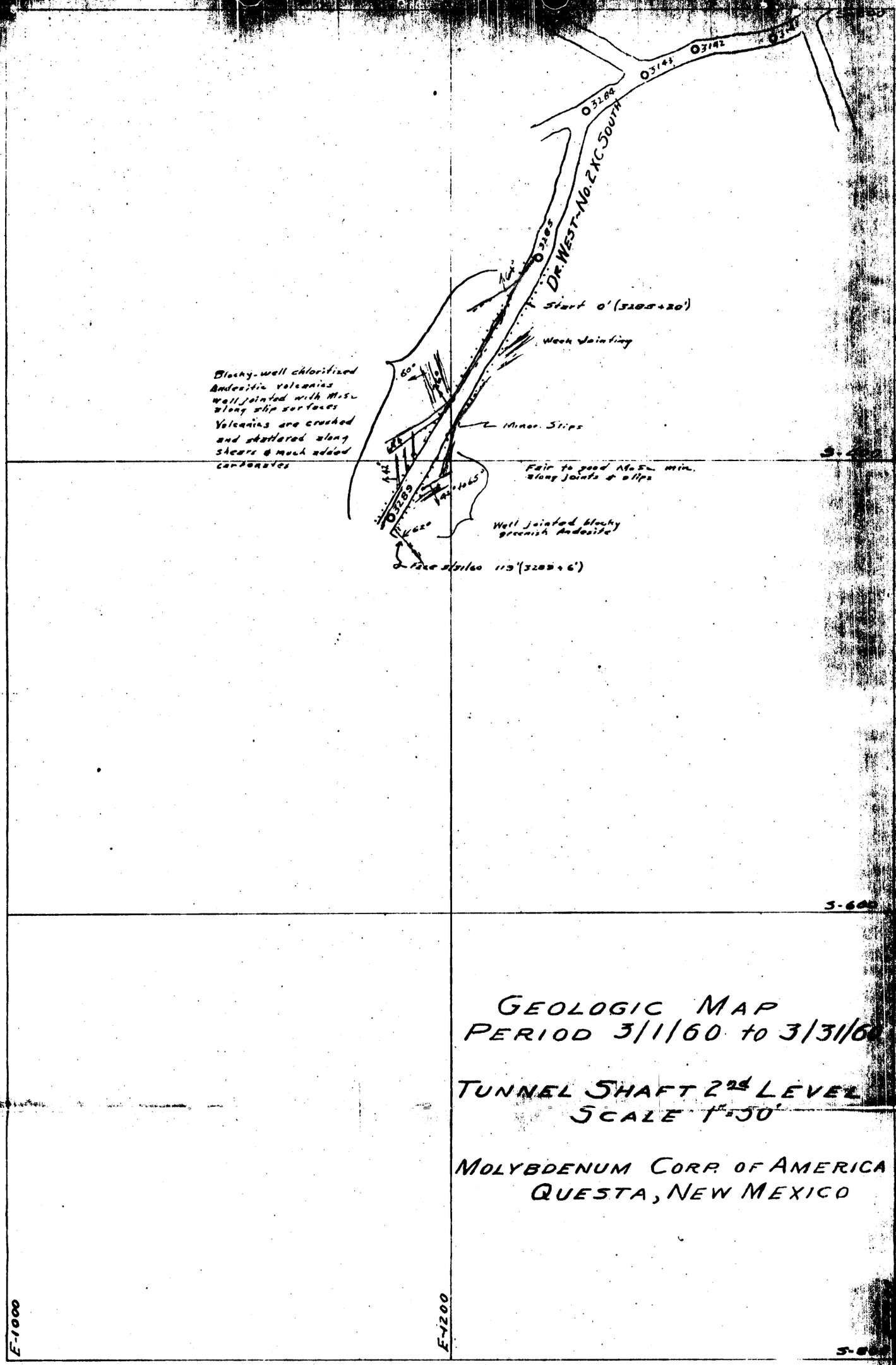
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS, TIMBER
CHIP SAMPLES
% MoS_2
PERIOD 3/1/60 to 3/31/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

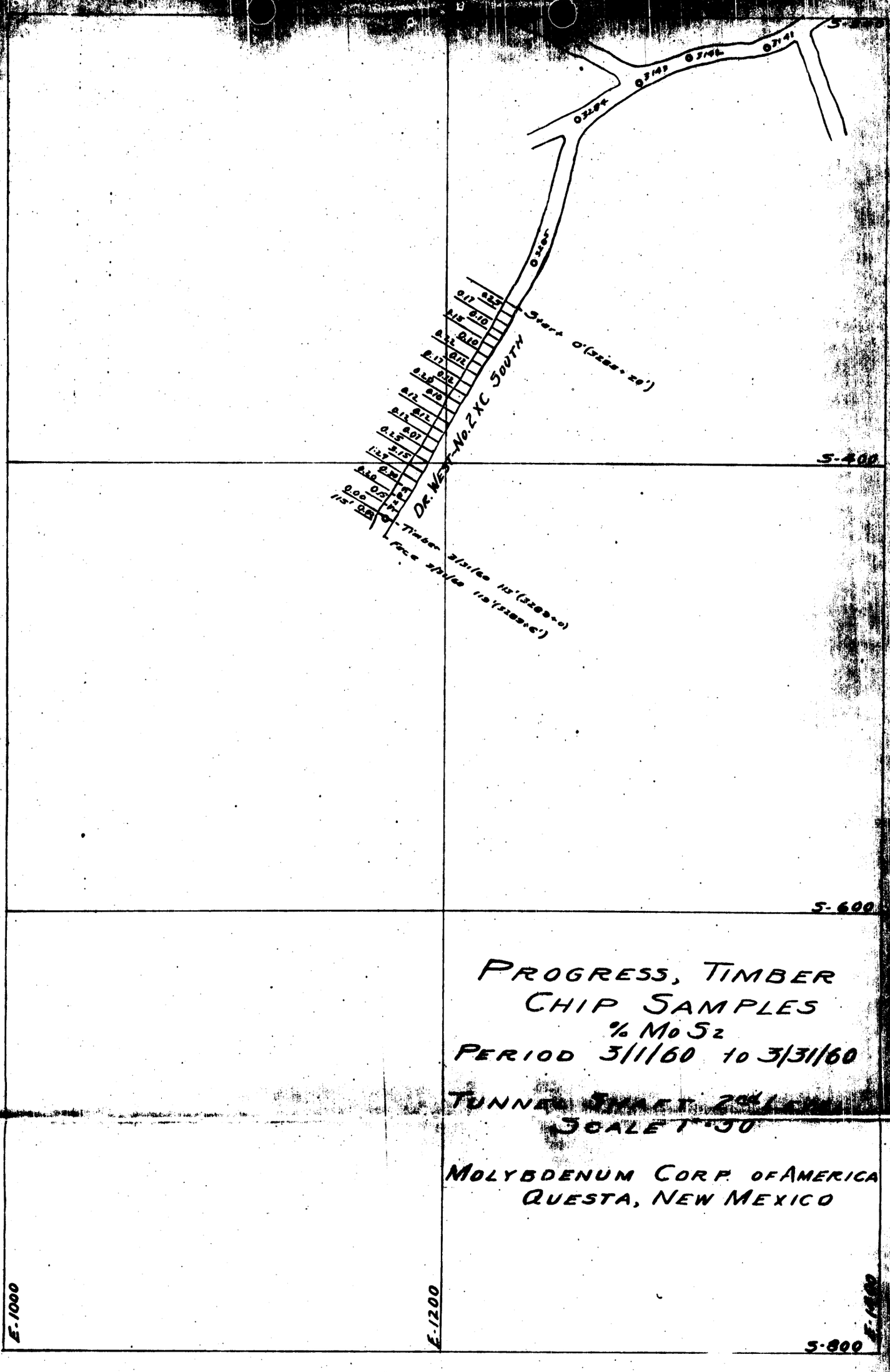
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



GEOLOGIC MAP
PERIOD 3/1/60 to 3/31/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

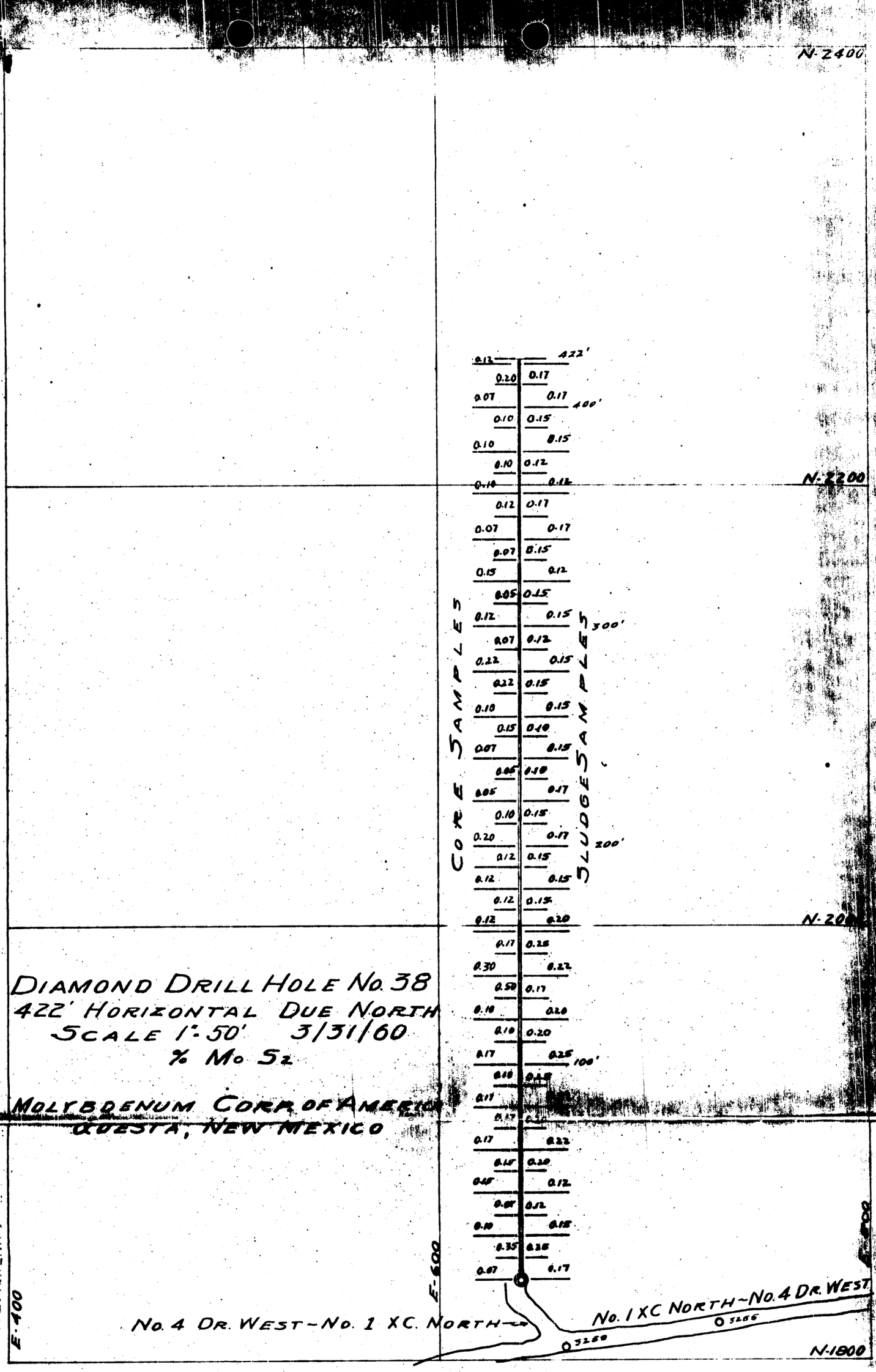
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS, TIMBER
CHIP SAMPLES
% MoS_2
PERIOD 3/1/60 to 3/31/60

TUNNEL [illegible]
SCALE 1"=50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2400
N-2200
N-2000
N-1800
E-400
E-600
E-800
422'
400'
300'
200'
100'
CORE SAMPLES
SLUDGE SAMPLES
0.12
0.20 0.17
0.07 0.17
0.10 0.15
0.10 0.15
0.10 0.12
0.10 0.12
0.12 0.17
0.07 0.17
0.07 0.15
0.15 0.12
0.05 0.15
0.12 0.15
0.07 0.12
0.22 0.15
0.22 0.15
0.10 0.15
0.15 0.10
0.07 0.15
0.05 0.10
0.05 0.17
0.10 0.15
0.20 0.17
0.12 0.15
0.12 0.15
0.12 0.15
0.12 0.20
0.17 0.25
0.30 0.22
0.50 0.17
0.10 0.20
0.10 0.20
0.17 0.25
0.17 0.22
0.15 0.20
0.45 0.12
0.07 0.12
0.10 0.15
0.35 0.25
0.07 0.17
DIAMOND DRILL HOLE No. 38
422' HORIZONTAL DUE NORTH
SCALE 1"=50' 3/31/60
% Mo S2
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
No. 4 DR. WEST-No. 1 XC. NORTH
No. 1 XC NORTH-No. 4 DR. WEST
3266
3269

Core No. [illegible] Diamond Drill Hole No. 35
Date Drilled 2/18/60 To 3/5/60 Elevation at collar 785
[illegible] 5984 Coordinate 1836 N - 638 E

Distance From	To	Core No	Lb	Oz	Assay	Mass	Assay No	Mass	Remarks	
0	4		6	8	3714				Porphyry	B
4	7		8	14	6762				"	"
7	10		6	-	4571				"	"
0	10	1899	21	6	4886	007	1893	0.17		
10	12		7	4	8286				"	"
12	15		8	6	6381				"	"
15	20		9	-	4114				"	"
10	20	1900	24	10	5629	035	1894	035		
20	27		8	4	2694				"	B
27	30		4	6	5833				"	"
20	30	1901	12	10	3311	010	1895	015		
30	33		5	4	7000				"	"
33	37		7	12	7750				"	"
37	40		6	8	8667				"	"
30	40	1902	19	8	7800	007	1896	012		
40	44		8	12	8750				Granite (siliceous)	"
44	49		10	4	8200				" "	"
49	50		2	6	9500				" "	"
40	50	1903	21	6	8550	015	1897	012		
50	54		7	6	7375				" "	"
54	59		5	12	4600				" "	"
59	60		-	-	-0-					
50	60	1904	13	2	5250	015	1898	0.20		
60	64		-	-	-0-					
64	69		4	2	3300				Transition	"
69	70		1	14	7500				"	"
60	70	1905	6	-	2400	017	1920	0.22		
70	71		2	8	10000				"	"
71	76		8	8	6800				"	"
76	79		5	-	6667				"	"
79	80		2	4	9000				"	"
70	80	1906	18	4	7300	017	1921	0.20		
80	85		6	12	5400				" Mostly Quartz	
85	87		5	4	10000				" " "	"
87	90		6	2	8167				" " "	"
80	90	1907	18	2	7250	017	1922	032		
90	92		4	6	8750				" " "	"
92	94		3	10	7250				" " "	
94	99		8	14	7100				" " "	"
99	100		1	12	7000				" " "	"
90	100	1908	18	10	7450	010	1923	025		

Core Log Diamond Drill Hole No 38
Date Drilled
% Core Recovery

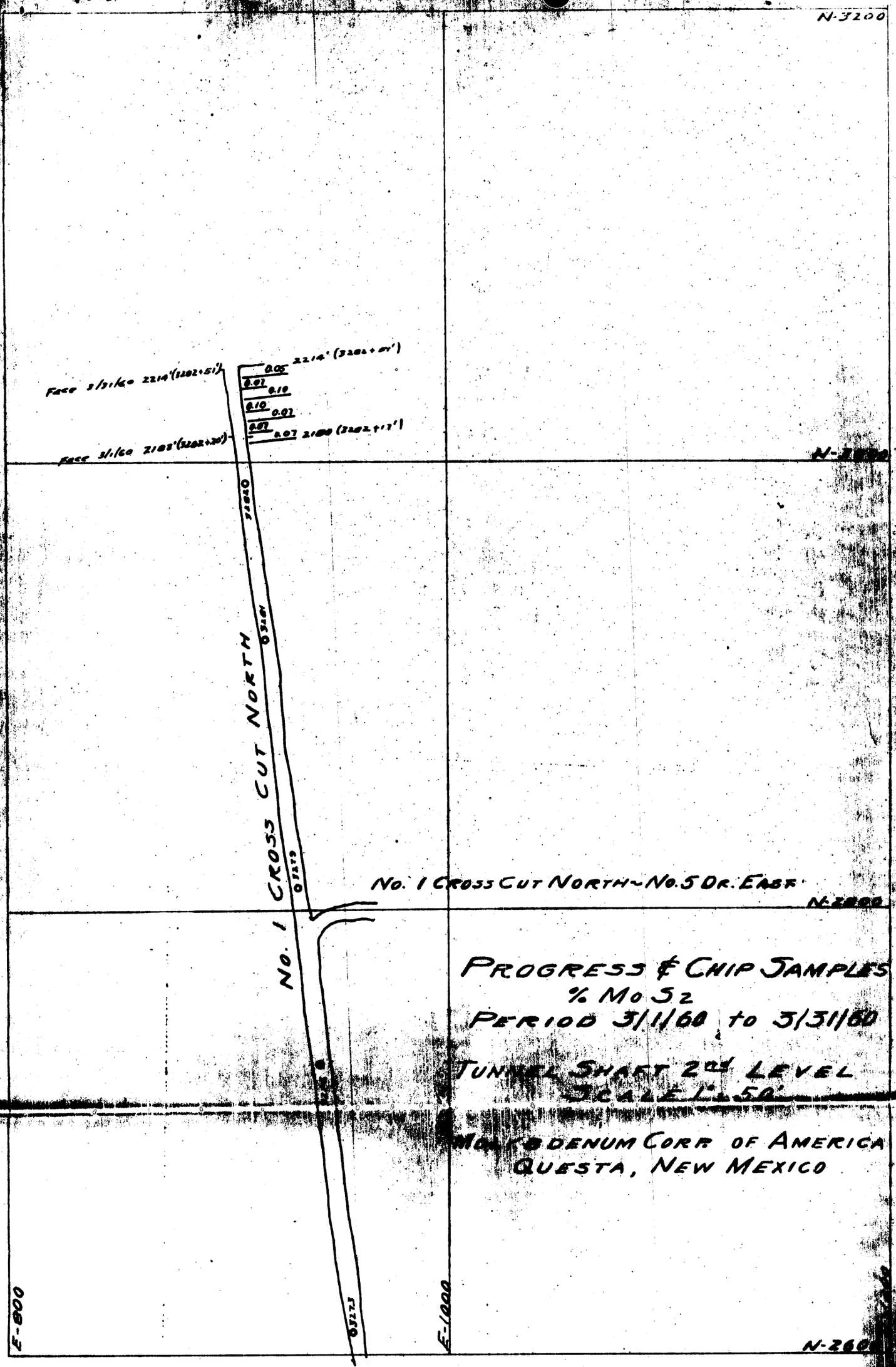
	Distance From	Distance To	Core Spl No	Core Wt lb	Core Wt oz	Core % Rec	Core % Mass	Sludge Spl No	Sludge % Mass	Remarks
1	100	101		2	4	9000				Quartz
2	101	105		7	4	7250				"
3	105	110		7	8	6000				"
4	100	110	1909	17	-	6800	0.17	1924	0.25	
5	110	118		5	12	2875				"
6	118	120		0	0	-0-				"
7	110	120	1910	5	12	2300	0.10	1925	0.20	
8	120	126		0	0	-0-				
9	126	130		4	8	4500				"
10	120	130	1911	4	8	1800	0.10	1926	0.20	
11	130	132		2	2	4250				"
12	132	137		10	-	8000				"
12	137	140		5	2	6833				"
14	130	140	1932	17	4	6900	0.50	1927	0.17	
15	140	144		7	6	7375				Granite
16	144	148		8	4	8250				"
17	148	150		3	10	9250				"
18	140	150	1933	19	4	7900	0.30	1928	0.22	
19	150	151		2	-	8000				"
20	151	154		9	6	100 00				"
21	154	157		4	10	6167				"
22	157	159		5	-	100 00				"
[illegible]	159	160		1	14	7500				"
24	150	160	1934	22	14	9150	0.17	1929	0.25	
25	160	163		4	2	5500				"
26	163	167		10	-	100 00				"
27	167	170		5	6	7167				"
28	160	170	1935	19	8	7800	0.12	1930	0.20	
29	170	171		2	4	9000				"
30	171	174		5	12	7667				"
31	174	175		3	-	100 00				"
32	175	176		2	4	9000				"
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				"
34	175	180		3	4	6500				"
35	170	180	1943	21	-	8400	0.12	1931	0.15	
36	180	181		2	4	9000				Porphyry
37	181	186		9	14	7600				"
38	186	189		8	-	6400				"
39	189	190		1	4	5000				"
40	189	190	1944	21	6	8550	0.12	2041	0.15	
41	190	194		4	-	8000				"
42	194	200		5	-	6667				"
[illegible]	[illegible]	200	1945	9	-	7200	0.12	2042	0.15	
44	200	203		1	14	5000				Granite
45	203	210		9	8	4000				"
46	200	210	1946	5	6	4300	0.20	2043	0.17	
47										

Core Log Diamond Drill Hole No 38
Date Drilled
% Core Recovery

	Distance From	Distance To	Core Spl No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Sludge Spl No	Sludge % Mass	Remarks
1	210	217		3	-	3429				Granite
2	217	220		2	2	5667				"
3	210	220	1947	5	2	4100	0.10	2044	0.15	
4	220	223		1	14	3000				"
5	223	229		4	12	6000				Transition
6	229	230		1	2	9000				"
7	220	230	2015	7	12	6200	0.05	2057	0.17	
8	230	234		3	14	7950				"
9	234	239		5	6	8600				"
10	239	240		1	4	10000				"
11	230	240	2016	10	8	8400	0.05	2058	0.10	
12	240	244		3	6	6750				" some Granite
13	244	250		5	2	6833				" " "
14	240	250	2017	8	8	6800	0.07	2059	0.15	
15	250	255		4	8	7200				" " "
16	255	260		4	4	6800				" " "
17	250	260	2018	8	12	7000	0.15	2060	0.10	
18	260	265		4	2	6600				"
19	265	270		3	4	5200				"
20	260	270	2031	7	6	5900	0.10	2061	0.15	"
21	270	275		2	12	4400				"
22	275	278		2	4	6000				"
23	278	280		1	-	4000				"
24	270	280	2032	6	-	4800	0.22	2062	0.15	
25	280	281		-	10	5000				"
26	281	285		1	2	2250				"
27	285	289		2	8	5000				"
28	289	290		1	2	9000				"
29	280	290	2033	5	6	4300	0.22	2063	0.15	
30	290	292		1	2	4500				" some Granite
31	292	295		2	12	7333				" " "
32	295	298		2	12	7333				" " "
33	298	300		1	8	6000				" " "
34	290	300	2034	8	2	6500	0.07	2064	0.12	
35	300	304		1	8	3000				"
36	304	309		2	8	4000				"
37	309	310		-	10	5000				"
38	300	310	2035	4	10	3700	0.12	2065	0.15	
39	310	312		-	6	1500				"
40	312	314		1	2	7000				"
41	314	317		2	-	5333				"
42	317	320		2	6	6333				"
43	310	320	2036	6	8	5200	0.05	2066	0.15	
44	320	321		1	2	9000				"
45	321	326		2	12	4400				"
46	326	329		2	8	6667				"

Core Log Diamond Drill Hole No. 38
Date Drilled
% Core Recovery.

	Distance From	Distance To	Core Spl No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Pyrite	Slope Spl No	Slope % Pyrite	Remarks
1	[illegible]	330		–	6	3000				Transition
2	320	330	2037	6	12	5400	0.15	2067	0.12	
3	330	333		–	12	2000				"
4	333	337		2	8	5000				"
5	337	339		2	4	9000				"
6	339	340		1	2	9000				"
7	330	340	2038	6	10	5300	0.07	2068	0.15	
8	340	343		3	10	9667				"
9	343	349		3	2	4167				"
10	349	350		1	2	9000				"
11	340	350	2039	7	14	6300	0.07	2069	0.17	
12	350	355		4	2	6600				"
13	355	360		3	8	5600				"
14	350	360	2040	7	10	6100	0.12	2070	0.17	
15	360	361		1	–	8000				"
16	361	364		1	2	3000				"
17	364	366		1	4	5000				"
18	366	368		2	4	9000				"
19	368	370		2	–	8000				"
20	360	370	2077	7	10	6100	0.10	2071	0.12	
21	370	372		1	12	7000				"
22	372	378		3	6	4500				"
23	378	380		–	14	3500				"
24	370	380	2078	6	–	4800	0.10	2072	0.12	
25	380	382		–	10	2500				"
26	382	384		–	12	3000				"
27	384	386		–	14	3500				"
28	386	390		2	10	5250				"
29	380	390	2079	5	10	4500	0.10	2073	0.15	
30	390	396		3	–	4000				"
31	396	400		2	–	4000				"
32	390	400	2080	5	–	4000	0.10	2074	0.15	
33	400	403		1	14	5000				Transition
34	403	410		–	14	1000				"
35	400	410	2081	2	12	2200	0.07	2075	0.17	
36	410	413		1	12	4667				"
37	413	415		1	14	7500				"
38	415	420		4	6	7000				"
39	410	420	2082	8	–	6400	0.20	2076	0.17	
40	420	422	2083	1	10	6500	0.12			"
41										
42										
43										
44										
45										
46										


N-3200
Face 3/31/60 2214'(3202+51')
2214' (3202+01')
0.05
0.07
0.10
0.10
0.07
0.07
0.07
Face 3/1/60 2188'(3202+26')
2180 (3202+12')
N-3000
No. 1 CROSS CUT NORTH
No. 1 CROSS CUT NORTH~No. 5 DR. EAST
N-2800
PROGRESS & CHIP SAMPLES
% MoS2
PERIOD 3/1/60 to 3/31/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1"=50'
MOLYBDENUM CORP OF AMERICA
QUESTA, NEW MEXICO
E-800
E-1000
N-2600

EXTRA COPY O. M. E RECEIVED APR 5 1960		
DATE	INITIALS	CODE
4/5	JEQ	110
4/6	Murphy	100

Building 20 - Federal Center
Denver 25, Colorado

AIRMAIL

March 15, 1960

Memorandum

TO: Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA-4568 (Molybdenum), Contract No. Idm-K1094, Molybdenum Corporation of America (Moly or Questa mine), Taos County, New Mexico

In conformance with OME Circular I, enclosed are the original and two (2) copies of Forms MF-104 and MF-104A with attached maps and other pertinent data, Operator's Narrative Report, and Engineers' Inspection Report covering work performed during the month of February 1960.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at Fixed Unit Cost under the short form of contract on Form MF 2-100A; therefore, documentation of the cost is not required.

It is recommended that reimbursement be made to the Operator for fifty (50) percent of the amount reported on Form MF-104, subject to final audit of the Operator's accounts.

Original signed by

J. W. Townsend

Enclosures

JWT/ms

cc: Chmn. Op. Comm. (2)
MF-104 File, Reg III
OME/DFC
Hasler w/cy of engr's rpt
Suspense
Chron

EXTRA COPY
O. M. E
RECEIVED APR 5 1960
DATE | INITIALS | CODE

Building 20 - Federal Center
Denver 25, Colorado

March 14, 1960

Memorandum

TO: J. W. Townsend, Executive Officer, OME Field Team, Region III

From: T. M. Romslo

Subject: Progress Report for February 1960, Docket No. DMRA-4568 (Molybdenum), Contract No. Idm-K1094, Molybdenum Corp. of America (Moly or Questa mine), Taos County, New Mexico

The exploratory project of the captioned contract was inspected by the writer March 2, 1960, in the company of L. Greslin, assistant mine surveyor. Maps of pertinent workings were reviewed and information relative to progress was obtained from A. L. Greslin, Manager.

Progress for the reporting period was found to be as described below, and as recorded in the attached Operator's Report. All of the work was completed in accordance with the contract's work specifications.

Drifting

No. 3 Drift East was advanced from Survey Station No. 3276 plus 36 feet, to Survey Station No. 3283 plus 22 feet, a total of 182 feet. The advance was in altered and fractured porphyry. The average MoS_2 content for 180 feet of the advance is 0.16 percent.

Timbering

A total of 185 lineal feet of timber was installed in No. 3 Drift East. The timbered section is from Survey Station No. 3278 plus 12 feet to Survey Station No. 3283 plus 1 feet.

Analyses

A total of 116 samples, 36 from No. 3 Drift East, and 80 from Diamond Drill Hole No. 37 were assayed for MoS_2.

Diamond Drilling

Diamond Drill Hole No. 37 was completed to a depth of 801 feet, which is 1 foot more than the authorized depth of 800 feet. The weighted average MoS_2 content of the sludges and core for the 800 feet is 0.22 percent with sludges and cores assaying ~~0.18~~ 0.18 and ~~0.26~~ 0.26 percent, respectively.

Other Work

Non-contract exploration was confined to additional advance in No. 1 Crosscut North. The advance was in transitional rock containing a relatively low molybdenum content.

ANALYSIS OF THE OPERATOR'S REPORT:

Form MF-104

Drilling- The $4,000.00 is for the authorized 800 feet of advance in Diamond Drill Hole No. 37 at $5.00 per foot.

Drifting- The $8,086.25 is for the authorized advance of 182 feet in No. 3 Drift East at $44.43 per foot. A total of 398 feet of the presently approved maximum of 500 feet of advance in this drift has now been completed.

Timber- The $499.50 is for the authorized 185 feet of timbering in No. 3 Drift East at $2.70 per foot.

Analyses: The $348.00 is for the authorized analysis for MoS_2 of 116 samples at $3.00 per sample.

Totals-- The totals: $12,933.76, $358,120.09 and $351,053.85, appear to be correct.

Form MF-104A

The form, containing total costs in agreement with those of form MF-104, appears to have been properly completed.

Narrative Report

The narrative report with maps is acceptable.

T. M. Reynolds

T. M. Reynolds

C O N T E N T S

February 1960

1. Narrative Report
2. Form MF-104A
3. Form MF-104
4. Geology Map - No. 3 Drft E
5. Progress, Timber & Chip Sample Map - No. 3 Drft E
6. Progress & Chip Sample Map - No. 1 Crx
7. Drill Hole Map - Drill Hole No. 37
8. Drill Hole Log - Drill Hole No. 37

OME
DEPARTMENT OF THE INTERIOR
MAY 1 1960
REGION II
BUREAU OF MINES

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1980
REGION III
DENVER, COLORADO

RECEIVED
MAR 17 1980
OFFICE OF THE SECRETARY
HQ CAL. CO.

NARRATIVE REPORT

February 1960

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team Region III
Building 20 Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IDM-K1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period February 1 through February 29, 1960 there were 25 working days and 4 Sundays. The mine was worked 25 days on a two shift basis.

There were 182 feet of advance in No. 3Ft X with 185 feet of timbering. This was in porphyry and granite.

Diamond drill hole No. 37 was completed to 801 feet. Work was carried on in No. 1 CxM during this period.

Yours very truly,

G. L. Gresham

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1980
REGION III
DENVER, COLORADO

MAR 7 1980

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1960 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N. Y.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
				STAGE I			Units	Unit Costs
Drifting & Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
~~Timbering~~ Timber	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Assays~~ Analyses	ea	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Reamer~~ Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
~~Other~~				STAGE II				
Drift ~~Xcut~~ Crosscut	ft	8086.26	182	185495.25	4175	44.43	6160	44.43
~~Stations~~ Drill Sta.	ft	0.00	-0-	8841.57	199	44.43	250	44.43
~~Timbering~~ Timbering	ft	499.50	185	7757.10	2873	2.70	6160	2.70
~~Test Pit~~ Analyses	ea	348.00	116	5718.00	1906	3.00	3177	3.00
~~Reamer~~ Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	4000.00	800	51280.00	10256	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		12933.76		351053.85				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

REMARKS:

Date March 11, 1960 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

[signature]

APR 5 1960
O.M.E.

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1960
REGION III
DENVER, COLORADO

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

Sch. 1478

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1960 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50% Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	4000.00	84815.00	88815.00			
~~xxxxxx~~ Drill Sta.	0.00	11996.10	11996.10			
Crosscutting & Drifting	8086.26	221838.99	229925.25			
~~xxxxx~~ Timber	499.50	9774.00	10273.50			
Analyses	348.00	8196.00	8544.00			
(2) ~~xxxxxxxxxxxx~~:						
~~xxxx~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	12933.76	338120.09	351053.85	12,933.76	338,120.09	351,053.85

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 3/12/60 *Payee Molybdenum Corporation of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 6466.88

Signature [signature] (Authorized Certifying Officer)

Date APR 1960 Vou. No. 3912

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IdM-1E1094 in accordance with the terms of the contract.

Signature T. M. Romolo Checked for Engineering Allowability Title Mining Engineer Date 3-14-60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date MAR 15 1960

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

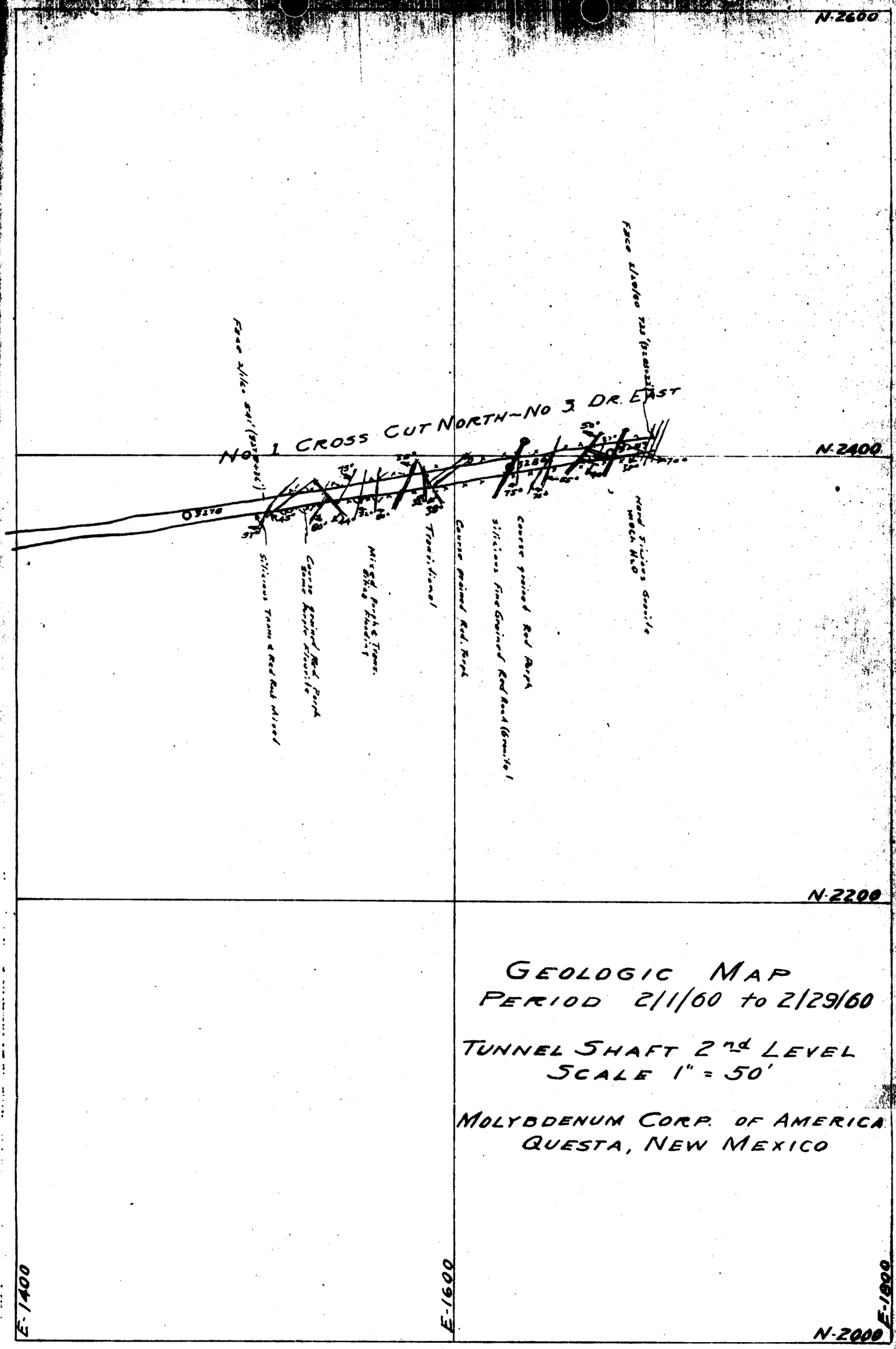
Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

DEPARTMENT OF THE INTERIOR
RECEIVED
MAR 14 1960
DENVER, COLORADO

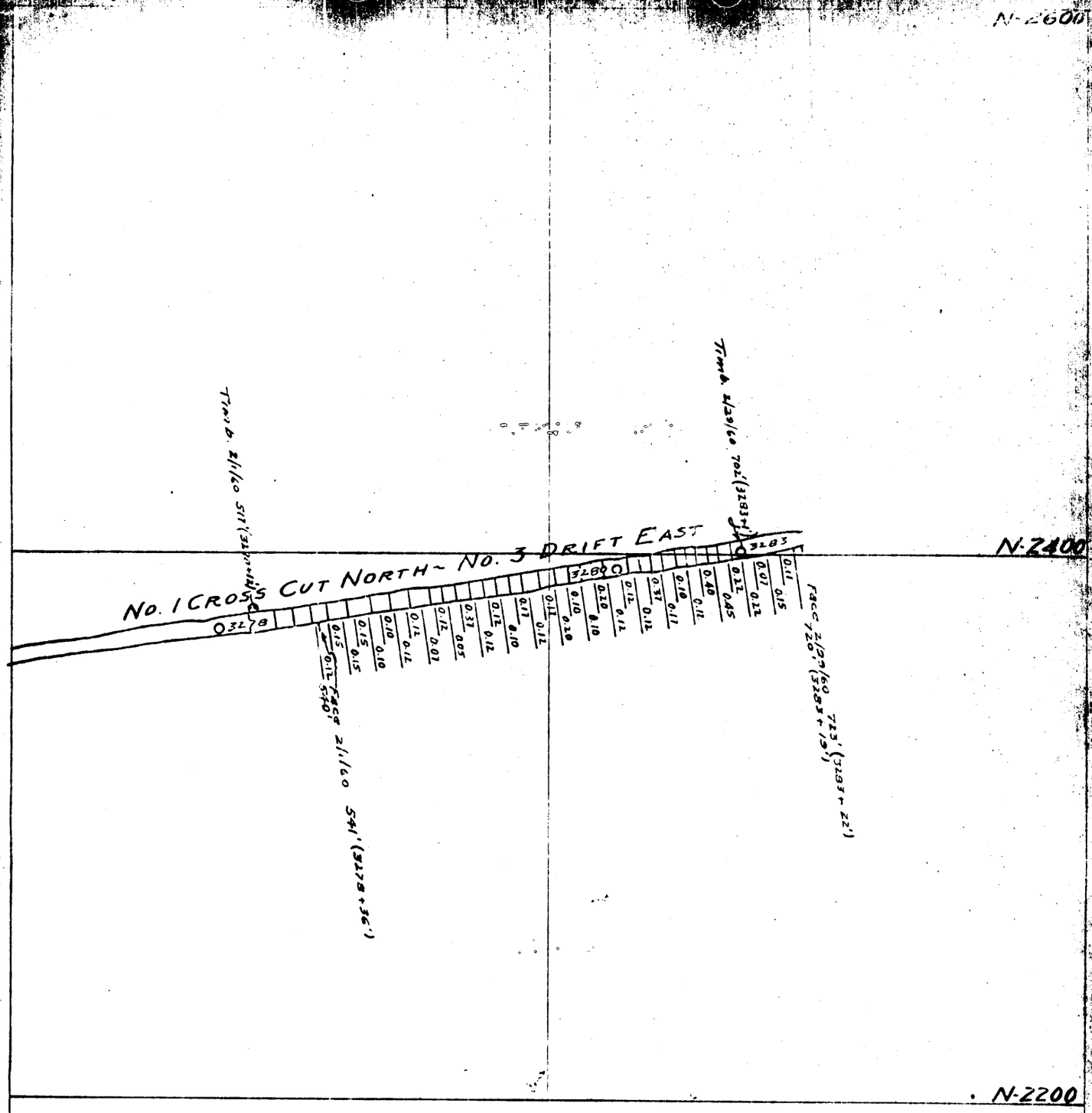


GEOLOGIC MAP
PERIOD 2/1/60 to 2/29/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

OME
DEPARTMENT OF THE INTERIOR
MAR 14 19
REGION III
DENVER COLORADO



PROGRESS, TIMBER CHIP SAMPLES

% MoS_2

PERIOD 2/1/60 to 2/29/60

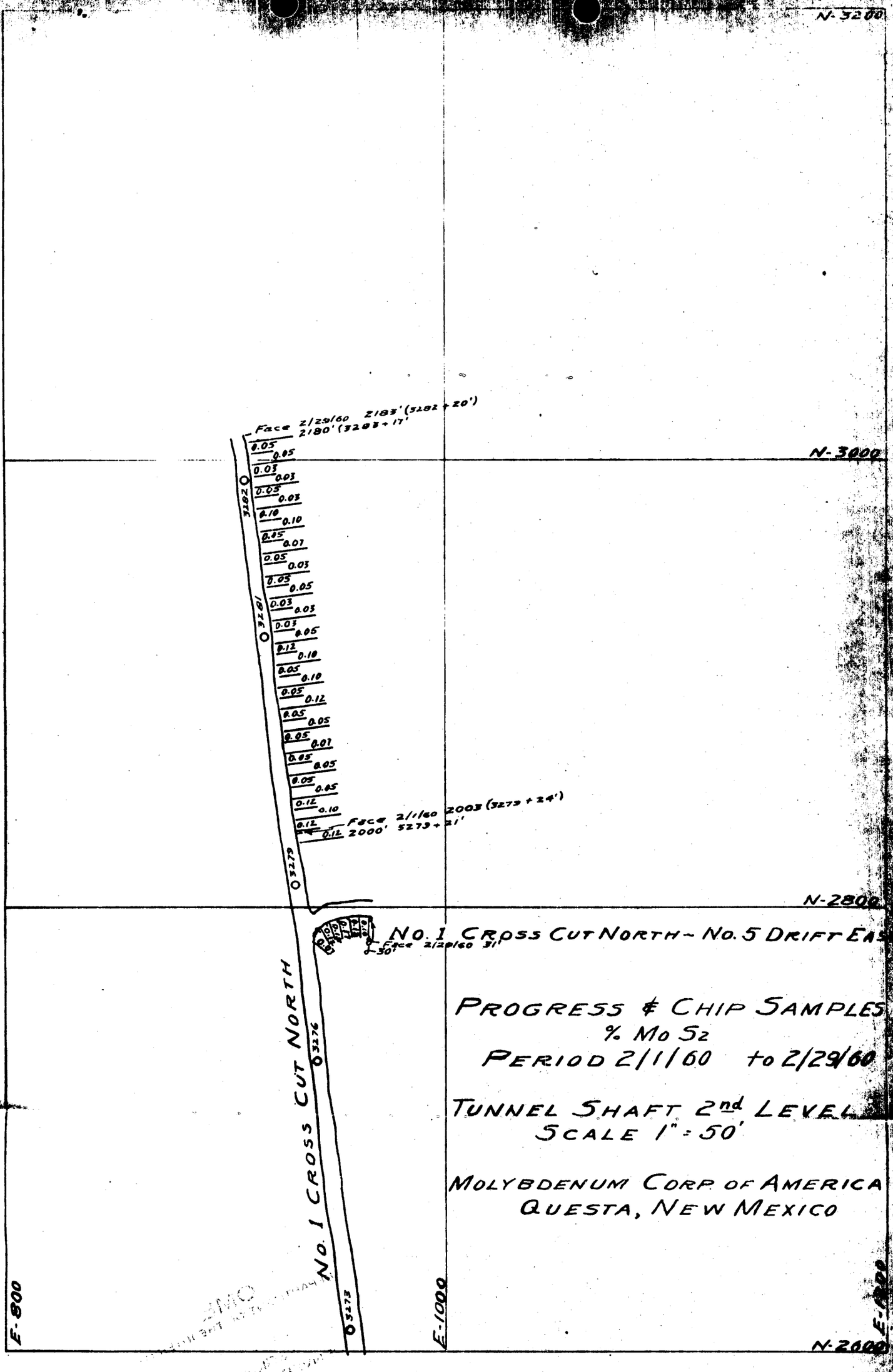
TUNNEL SHAFT 2nd LEVEL

SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA

QUESTA, NEW MEXICO

OME
DEPARTMENT OF THE INTERIOR
MAR 1 4 1966
REGION III
DENVER, COLORADO


N-3200
N-3000
N-2800
N-2600
E-800
E-1000
E-1200
Face 2/29/60 2183' (3282 + 20')
2180' (3283 + 17'
0.05
0.05
0.03
0.03
0.05
0.03
0.10
0.10
0.05
0.07
0.05
0.03
0.05
0.05
0.03
0.03
0.03
0.05
0.12
0.10
0.05
0.10
0.05
0.12
0.05
0.05
0.05
0.07
0.05
0.05
0.05
0.05
0.12
0.10
0.12
0.12
Face 2/1/60 2003 (3279 + 24')
2000' 5279 + 21'
3282
3281
3279
3276
3273
NO. 1 CROSS CUT NORTH ~ NO. 5 DRIFT EAS
Face 2/29/60 31'
30'
NO. 1 CROSS CUT NORTH
PROGRESS & CHIP SAMPLES
% Mo S2
PERIOD 2/1/60 to 2/29/60
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

OME
DEPARTMENT OF THE INTERIOR
MAR 1 4 1977
REGION III
DENVER, COLORADO

No 4 DRIFT W

N-1000

0.12	0.27	
0.25	0.20	
0.20	0.30	
0.17	0.27	
0.67	0.50	
0.22	0.25	
0.12	0.17	100'
0.20	0.32	
0.20	0.22	
0.15	0.20	
0.15	0.22	
0.15	0.20	
0.22	0.32	
0.15	0.32	
0.10	0.35	
0.12	0.30	
0.07	0.32	200'
0.10	0.17	
0.07	0.11	
0.05	0.11	

N-1400

0.10	0.17	
0.10	0.15	
0.10	0.12	
0.10	0.12	
0.15	0.17	
0.15	0.12	
0.12	0.27	300'
0.10	0.17	
0.12	0.22	
0.20	0.42	
0.12	0.30	
0.15	0.22	
0.15	0.25	
0.17	0.22	
0.11	0.30	
0.07	0.17	
0.12	0.15	400'
0.10	0.15	
0.27	0.25	
0.17	0.32	

SAMPLES

N-1400

0.45	0.97	
0.17	0.32	
0.10	0.27	
0.17	0.22	
0.12	0.20	
0.10	0.22	
[illegible]	0.22	500'
0.12	0.25	
0.15	0.25	
0.12	0.22	
0.12	0.17	
0.17	0.22	
0.15	0.20	
0.15	0.17	
0.12	0.20	
0.20	0.17	
0.15	0.20	600'
0.15	0.22	
0.17	0.22	
0.10	0.22	

FLUORE

N-1200

0.20	0.22	
0.20	0.25	
0.15	0.27	
0.17	0.22	
0.25	0.35	
0.10	0.22	
0.15	0.25	700'
0.10	0.17	
0.32	0.25	
0.22	0.27	
0.25	0.42	
0.15	0.65	
0.50	0.42	
0.45	0.45	
0.20	0.32	
0.22	0.37	
0.62	0.27	800'

VERTICAL SECTION

N-1000

DIAMOND DRILL HOLE No. 37
VERTICAL SECTION
800' VERTICALLY DOWN
SCALE 1" = 50' 2/29/60
% MoS2

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

F-600

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1960
REGION III
DENVER, COLORADO

Drill Log — Diamond Drill Hole No 39
Date Drilled 1/1/60 to 2/27/60
% Core Recovery 49 ½ %

	Distance From	Distance To	Core Spl No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Moist	Sludge Spl No	Sludge % Moist	Remarks
1	0	10	1495	4	8	1025	0.17	1503	0.25	Porphyry
2	10	13		2	10	2000				"
3	13	15		7	12	8857				"
4	15	18		9	2	5429				"
5	18	20		5	4	6000				"
6	10	20	1496	22	12	5272	017	1504	0.30	
7	20	24		9	4	5285				"
8	24	30		4	12	1819				"
9	20	30	1497	14	-	3200	015	1505	0.35	
10	30	34		8	-	4000				"
11	34	40		10	6	6917				"
12	30	40	1498	14	6	5750	032	1506	0.27	
13	40	45		5	8	4400				"
14	40	50		7	4	5810				"
15	40	50	1499	12	12	5200	025	1514	0.20	
16	50	51		2	4	9000				"
17	51	56		4	-	3200				"
18	56	60		2	8	2500				"
19	50	60	1500	8	12	3500	020	1515	0.30	
20	60	62		1	4	3700				"
21	62	68		3	8	2833				"
22	68	70		4	10	9250				"
23	60	70	1501	10	-	4000	017	1516	0.27	
24	70	75		5	8	7333				"
25	75	81		9	-	5143				"
26	70	80	1502	14	8	5800	067	1517	0.50	
27	70	83		6	-	8000				"
28	85	90		5	4	3917				"
29	80	90	1503	14	4	4700	022	1518	0.25	
30	90	93		5	-	6667				"
31	93	100		10	4	5857				"
32	90	100	1504	10	4	6400	012	1519	0.17	
33	100	106		9	12	6500				"
34	106	110		9	6	3875				"
35	100	110	1505	13	2	5800	020	1520	0.32	
36	110	116		5	6	3583				"
37	116	120		5	2	5125				"
38	110	120	1506	10	8	4200	020	1521	0.22	
39	120	124		4	8	4000				"
40	124	129		6	6	5100				"
41	129	130		2	8	4000				"
42	130	180	1507	13	6	6800	015	1522	0.20	
43	180	182		3	4	2500				"
44	182	187		9	2	7800				"
45	187	190		7	2	9000				"
46	190	199	1508	19	8	7800	012	1523	0.22	

OME
DEPARTMENT OF THE INTERIOR
MAR 1
REGION III
DENVER, COLORADO

Core Log Diamond Drill No 37
Date Drilled
% Core Recovery

	Distance From	Distance To	Core Spl No	Core wt lb	Core wt oz	Core % Rec	Core % Moist	Slope Spl No	Slope % Moist	Remarks	
1	140	142		3	-	6000				Porphyry	Bx
2	142	150		2	12	1375				"	"
3	140	150	1544	5	12	2300	0.15	1524	0.20		
4	150	151		2	-	8000				"	"
5	151	154		1	14	2500				"	"
6	154	157		1	14	2500				"	"
7	154	160		1	-	1333				"	"
8	150	160	1545	6	12	2900	0.22	1525	0.32		
9	160	164		2	4	2250				"	"
10	164	170		4	-	2667				"	"
11	160	170	1546	6	4	2500	0.13	1526	0.32		
12	170	174		2	8	2500				"	"
13	174	180		4	14	3250				"	"
14	170	180	1547	7	6	2950	0.10	1527	0.35		
15	180	184		3	14	3875				"	"
16	184	186		4	4	8500				"	"
17	186	190		7	14	7875				"	"
18	180	190	1548	16	-	6400	0.12	1528	0.30		
19	190	195		4	2	3300				"	"
20	195	200		6	8	5200				"	"
21	190	200	1549	10	10	9250	0.07	1529	0.32		
22	200	203		4	8	6400				"	"
23	203	208		9	12	7800				"	"
24	208	240		2	6	4750				"	"
25	200	210	1550	16	10	6650	0.10	1558	0.17		
26	210	213		2	8	3333				"	"
27	213	215		4	8	9600				"	"
28	215	217		1	14	3750				"	"
29	217	220		5	2	6833				"	"
30	210	220	1551	14	-	5600	0.07	1559	0.17		
31	220	223		4	8	6000				"	"
32	223	229		10	-	6667				"	"
33	229	230		2	-	8100				"	"
34	220	230	1552	16	8	6600	0.07	1560	0.17		
35	230	235		7	-	5600				"	"
36	235	240		9	8	7600				"	"
37	230	240	1553	16	8	6600	0.10	1561	0.17		
38	240	242		4	8	9600				"	"
39	242	247		8	14	7100				"	"
40	247	250		1	4	1667				"	"
41	240	250	1581	14	10	5850	0.10	1562	0.15		
42	254	255		1	8	1200				"	"
43	255	260		5	8	4400				"	"
44	250	260	1582	7	-	2800	0.10	1579	0.12		
45	260	262		2	10	5250				"	"
46	262	268		8	2	5417				"	"
47											

OME
DEPARTMENT OF THE INTERIOR
MAR 1 - 1 1980
REGION III
DENVER, COLORADO

Core log Diamond Drill Hole No 34

Distance From	To	Core SPL No	Core Wt lb	oz	Core % Rec	Core % Mass	Diatom SPL No	Diatom % Mass	Remarks	
268	270		4	8	9000				Porphyry	BX
260	270	1583	15	4	6100	0.10	1580	012		
270	274		4	6	4375				"	"
274	278		6	14	6875				"	"
278	280		2	12	5500				"	"
270	280	1660	14	-	5600	015	1649	017		
280	287		4	2	2357				"	"
287	290		4	12	6333				"	"
280	290	1661	8	14	3550	015	1650	012		
290	294		9	4	9250				"	"
294	298		4	12	4750				"	"
298	300		3	14	7750				"	"
290	300	1662	17	14	7150	012	1651	027		
300	304		4	12	4750				"	"
304	309		9	6	7500				"	"
309	310		-	14	7000				"	"
300	310	1663	15	-	6316	010	1652	017		
310	315		3	12	6000				"	"
315	320		2	14	4600				"	"
310	320	1664	6	10	5300	012	1653	022		
320	322		2	-	8000				"	"
322	328		-	12	1000				"	"
328	330		1	12	7000				"	"
320	330	1665	4	8	3600	020	1654	042		
330	333		2	8	6667				"	"
333	340		-	12	8571				"	"
330	340	1666	3	4	2600	012	1655	030		
340	341		-	10	5000				"	"
341	348		3	-	3429				"	"
348	350		-	4	1000				"	"
340	350	1667	3	14	3100	015	1656	022		
350	351		-	8	4000				"	"
351	358		4	6	5000				"	"
358	360		1	4	5000				"	"
350	360	1689	6	2	4900	0.15	1657	025		
360	364		2	-	4000				"	"
364	369		4	-	6400				"	"
369	370		1	-	8000				"	"
360	370	1690	7	-	5600	0.17	1658	022		
370	372		10	4	5000				"	"
372	379		2	2	2489				"	"
379	380		-	12	6000				"	"
370	380	1691	4	2	3300	0.17	1659	030		
380	384		3	12	7500				"	"
384	386		1	6	8500				"	"
386	390		2	8	5000				"	"

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1969
REGION III
DENVER, COLORADO

Core Log [illegible] Drill [illegible] No 34
Date Drilled
% Core Recovery

	Distance From	Distance To	Core SPL No	Core Wt lb	Core Wt oz	Core % Rec	Core % Mass	Stake SPL No	Stake % Mass	Remarks
1	380	390	1692	7	10	6400	0.09	1704	0.17	Porphyry
2	390	393		2	8	6667				"
3	393	397		1	-	2000				"
4	397	400		2	10	9000				"
5	390	400	1693	6	2	9900	0.12	1705	0.15	
6	400	402		1	12	7000				"
7	402	406		4	10	9250				"
8	406	410		4	-	8000				"
9	400	410	1694	10	6	8800	0.10	1706	0.15	
10	410	411		1	4	[illegible]				"
11	411	416		4	14	7800				"
12	416	420		3	14	9750				"
13	410	420	1695	10	-	8000	0.27	1707	0.25	
14	420	421		1	2	9000				"
15	421	427		5	4	7000				"
16	427	430		2	14	7667				"
17	420	430	1696	9	4	7400	0.17	1708	0.32	
18	430	435		4	2	6600				"
19	435	440		5	4	8400				"
20	430	440	1697	9	6	7800	0.45	1709	0.39	
21	440	445		1	4	2000				"
22	445	450		3	-	4800				"
23	440	450	1715	4	4	3400	0.17	1710	0.32	
24	450	454		2	4	4500				"
25	454	456		1	12	7000				"
26	456	460		1	4	2500				"
27	440	460	1716	5	4	4200	0.10	1711	0.27	
28	460	464		1	10	3250				"
29	464	470		1	2	1800				"
30	460	470	1717	2	12	2200	0.17	1712	0.22	
31	470	475		1	4	2000				"
32	475	480		1	12	2800				"
33	470	480	1718	3	-	2400	0.12	1713	[illegible]	
34	480	481		1	2	9000				"
35	481	485		3	4	6500				"
36	485	490		1	10	2600				"
37	480	490	1719	6	-	4800	0.10	1714	0.22	
38	490	496		2	2	2833				"
39	496	499		3	-	8000				"
40	[illegible]	500		[illegible]	12	6000				"
41	[illegible]	500	1775	5	14	9700	0.10	1790	0.22	
42	[illegible]	505		1	4	2000				"
43	[illegible]	510		-	12	1200				"
44	[illegible]	510	1776	2	-	1600	0.12	1791	0.23	
45	[illegible]	516		3	14	5[illegible]				"
46	[illegible]	520		5	2	6[illegible]				"

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1960
REGION III
DENVER, COLORADO

Core Log Diamond Drill Hole No 21
Date Drilled
% Core Recovery

Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mgs	Sludge SPL No	Sludge % Mgs	Remarks	
510	520	1777	7	-	5600	0.15	1792	0.25	Pyrrhotite	19X
520	522		1	14	7500				"	"
522	525		1	10	4333				"	"
525	530		2	8	4000				"	"
520	530	1801	6	-	4800	0.12	1793	0.22		
530	532		1	6	5500				"	"
532	534		1	14	7500				"	"
534	540		2	4	3000				"	"
530	540	1802	5	8	4400	0.12	1794	0.17		
540	547		1	-	1143				"	"
547	550		2	-	5333				"	"
540	550	1803	3	-	2400	0.17	1795	0.22		
550	556		1	10	2167				"	"
556	560		1	4	2500				"	"
550	560	1804	2	14	2300	0.15	1796	0.20		
560	561		-	10	5000				"	"
561	563		1	10	6500				"	"
563	565		1	-	4000				"	"
565	570		3	4	5200				"	"
560	570	1805	6	8	5200	0.15	1797	0.17		
570	574		4	2	8250				"	"
574	577		1	2	3000				"	"
577	580		1	-	2667				"	"
570	580	1806	6	4	5000	0.12	1798	0.20		
580	583		-	12	2000				"	"
583	590		2	10	3000				"	"
580	590	1807	3	6	2700	0.20	1799	0.17		
590	597		2	10	3000				"	"
597	600		2	6	6333				"	"
590	600	1808	5	-	4000	0.15	1800	0.20		
600	607		2	4	2571				"	"
607	610		2	4	6000				"	"
600	610	1809	4	8	3600	0.15	1801	0.22		
610	616		1	12	2333				"	"
616	620		-	6	0750				"	"
610	620	1810	2	2	1700	0.17	1811	0.22		
620	629		2	14	2556				"	"
629	630		1	-	7500				"	"
620	630	1821	3	14	3100	0.10	1812	0.22		
630	639		4	12	4222				"	"
639	640		-	12	6000				"	"
630	640	1825	5	8	4400	0.20	1813	0.22		
640	641		-	12	6000				"	"
641	643		-	6	1500				"	"
643	649		4	4	5667				"	"
649	650		1	-	8000				"	"

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1980
REGION III
DENVER, COLORADO

Core Log Diamond Drill Hole No 37
Date Drilled
% Core Recovery

Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mo S2	Sludge SPL No	Sludge % Mo S2	Remarks	
640	650	1826	6	6	5100	0.20	1814	0.25		
650	657		4	10	5286				Porphyry	AX
657	660		3	-	8000				"	"
650	660	1829	7	10	6100	0.15	1815	0.27		
660	661		1	2	9000				"	"
661	663		-	8	2000				"	"
663	670		2	6	2714				"	"
660	670	1828	4	-	3200	0.17	1831	0.22		
670	673		2	8	6667				"	"
673	680		1	14	2143				"	"
670	680	1829	4	6	3500	0.25	1832	0.35		
680	683		1	8	4000				"	"
683	688		2	6	3800				"	"
688	690		2	2	8500				"	"
680	690	1830	6	-	4800	0.10	1833	0.22		
690	699		1	8	10000				"	"
699	700		-	10	5000				"	"
690	700	1846	2	2	1700	0.15	1834	0.25		
700	703		-	14	2334				"	"
703	710		-	4	2857				"	"
700	710	1847	1	2	0900	0.10	1856	0.17		
710	715		-	6	0600				"	"
715	720		2	8	4000				"	"
710	720	1848	2	14	2300	0.32	1857	0.25		
720	723		2	-	5333				"	"
723	727		-	8	1000				"	"
727	730		1	6	3667				"	"
720	730	1849	3	14	3100	0.22	1858	0.27		
730	732		1	2	4500				"	"
732	735		2	2	5667				"	"
735	740		-	12	1200				"	"
730	740	1850	4	-	3200	0.25	1859	0.42		
740	742		-	6	1500				"	"
742	744		1	4	5000				"	"
744	746		1	12	7000				"	"
746	750		1	12	3500				"	"
740	750	1851	5	2	4100	0.15	1860	0.65		
750	753		2	-	5333				"	"
753	758		1	6	2200				"	"
758	760		1	2	4500				"	"
750	760	1852	4	8	3600	0.50	1861	0.42		
760	765		2	-	3200				"	"
765	770		2	2	3400				"	"
760	770	1853	4	2	3300	0.45	1862	0.45		
770	773		3	2	8333				"	"
773	778		1	4	2000				"	"

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1980
REGION III
DENVER, COLORADO

Core Log Diamond Drill Hole No 39
Date Drilled
% Core Recovery

Distance From	Distance To	Core Spl No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Stage Spl No	Stage % Mass	Remarks	
778	780		1	6	6500				Porphyry	DX
770	780	1854	5	12	4600	0.20	1863	0.32		
780	784		2	4	4500				"	"
784	787		1	4	3333				"	"
787	790		2	6	6333				"	"
780	790	1855	5	14	4700	0.22	1864	0.39		
790	800	1892	2	14	2300	0.62	1865	0.27	"	

MAY 1950
OFFICE OF THE SECRETARY
FILES SECTION

OME
DEPARTMENT OF THE INTERIOR
MAR 14 1960
REGION III
DENVER, COLORADO

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. 110	2/22	[illegible]
2. Mr. Murphy √ 00	3/1	[illegible]
3.		
4.		
5.		
FROM: VVO	2-26	gad

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C.

M50943

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

FEB 26 1960 O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1960 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	0.00	84815.00	84815.00			
~~Drilling~~ Drill Sta.	0.00	11996.10	11996.10			
Crosscutting & Drifting	6931.08	214907.91	221838.99			
~~Drifting~~ Timber	391.50	9382.50	9774.00			
Analyses	155.00	8103.00	8258.00			
(2) ~~Diamond Drilling~~:						
~~Labor~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	7477.58	330704.51	338182.09	7415.58	330,704.51	338,120.09

OME DEPARTMENT OF THE INTERIOR FEB 25 1960 REGION III DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2/12/60 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3707.79

Signature [signature]
(Authorized Certifying Officer)

Date 2-18-60 Vou. No. DMEA-60-23
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1094 in accordance with the terms of the contract.

Signature [illegible] Checked for Engineering Allowability Title Mining Engineer Date 2/15/60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date FEB 17 1960

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1960 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N.Y.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting & Crosscutting	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timber	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	ea	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Auger Crosscut	ft	6931.08	156	177408.99	3983	44.43	6160	44.43
Drill Sta.	ft	0.00	-0-	8841.57	199	44.43	250	44.43
Timbering	ft	391.50	145	7257.60	2688	2.70	6160	2.70
Analyses	ea	155.00	31	5432.00	1790	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	0.00	-0-	47280.00	9456	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		7477.58		338182.09				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 2/12/60 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

REMARKS:

(For Government use only)

FEB 26 1960
O.M.E.

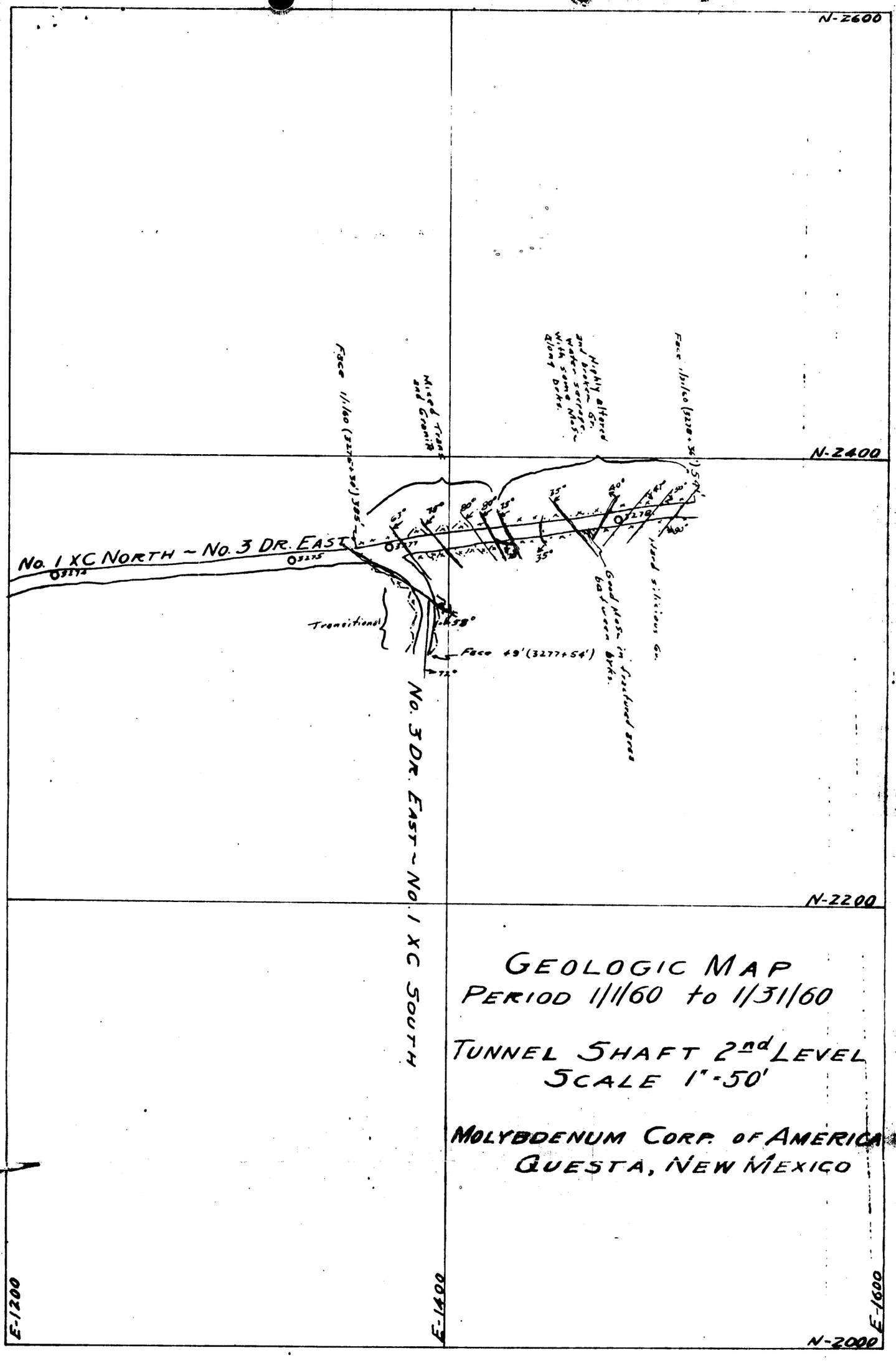
INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

OME
DEPARTMENT OF THE INTERIOR
FEB 23 1960
REGION III
DENVER, COLORADO

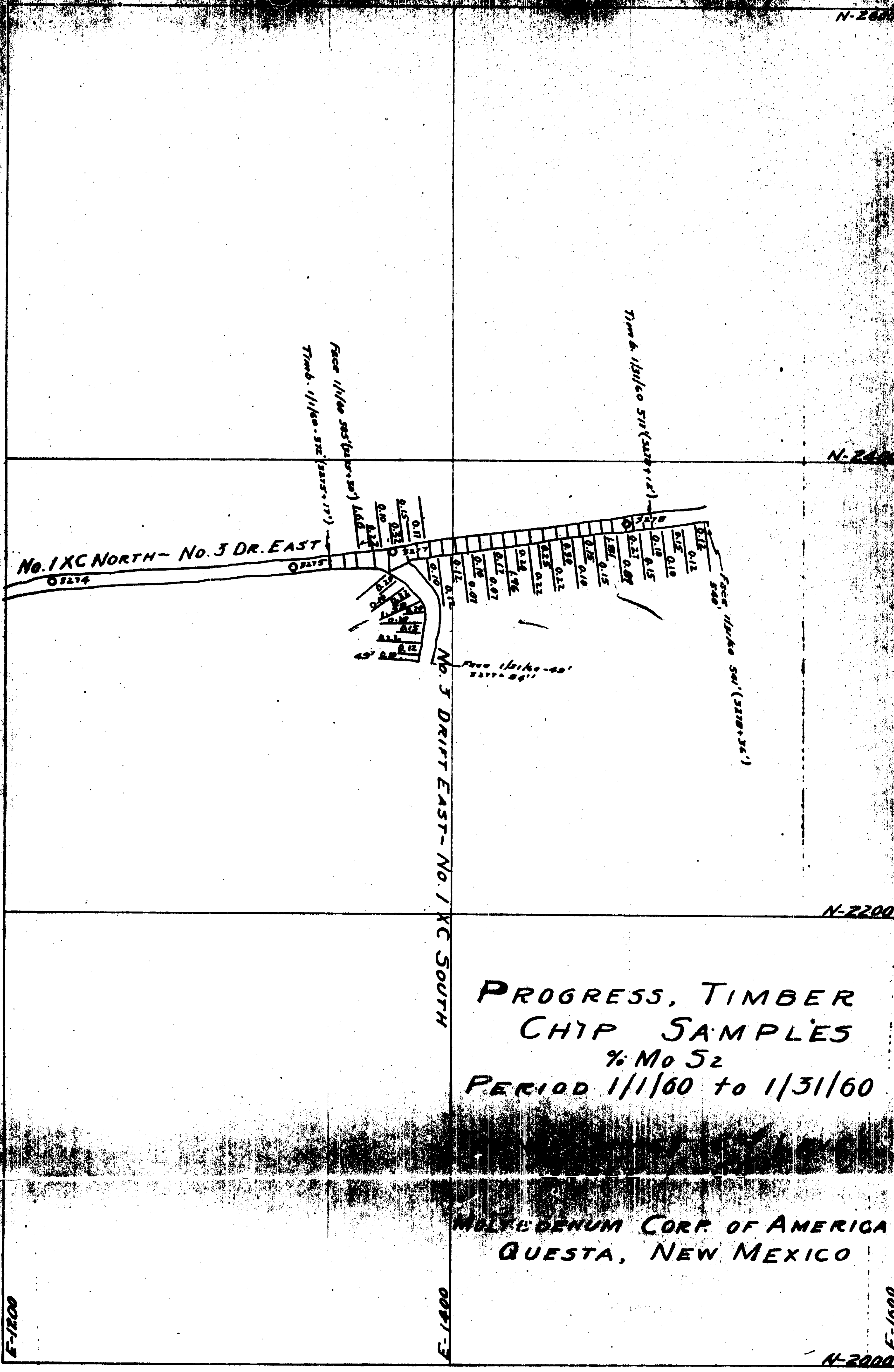


GEOLOGIC MAP
PERIOD 1/1/60 to 1/31/60

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

O.M.E.
DEPARTMENT OF THE INTERIOR
FEB
EXTRA COPY
O. M. E
RECEIVED FEB 23 1960
DATE | INITIALS | CODE

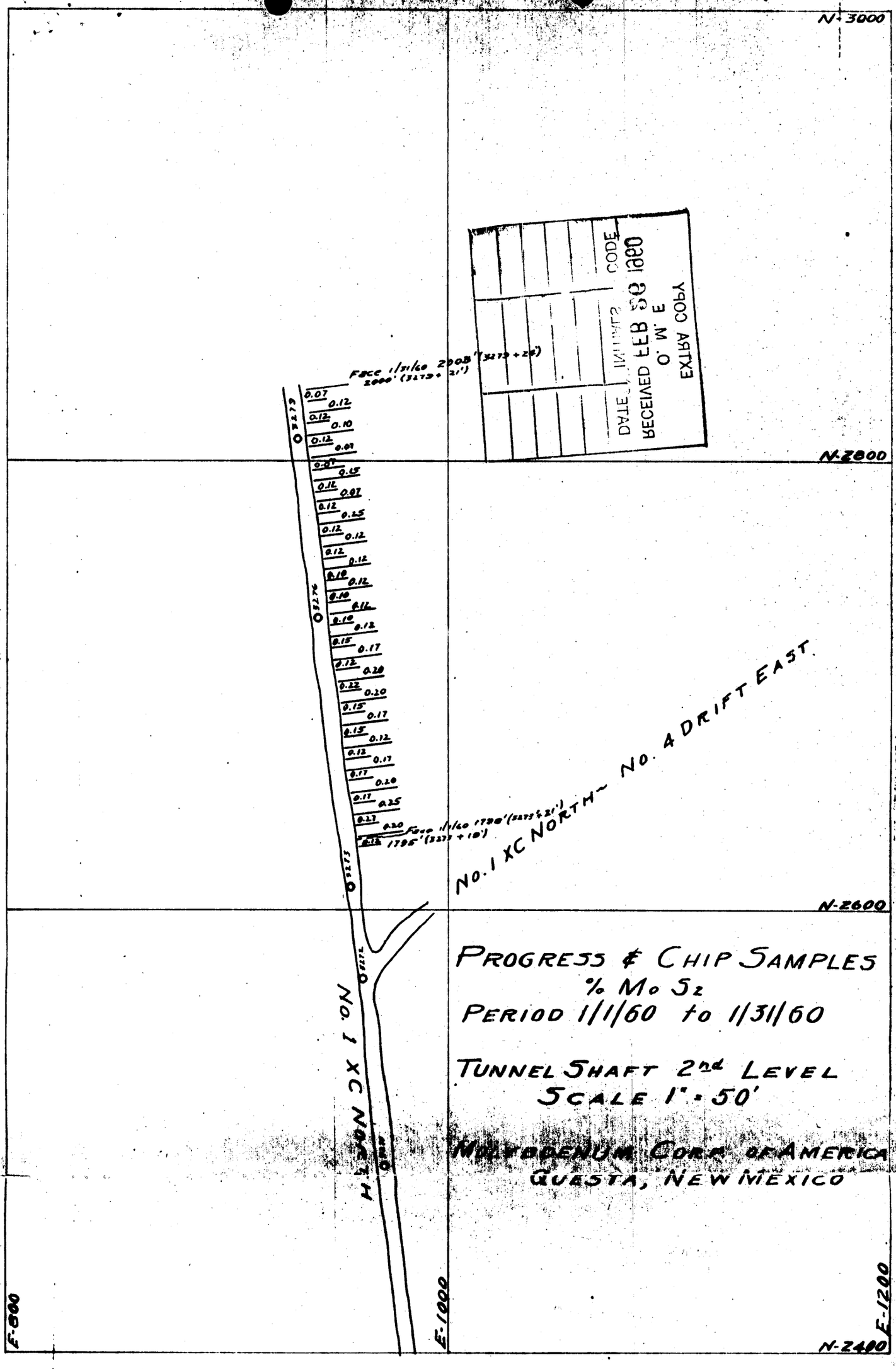


Progress, Timber Chip Samples

% MoS_2

Period 1/1/60 to 1/31/60

Molybdenum Corp. of America
Questa, New Mexico



RECEIVED FEB 29 1960
O. W. E.
EXTRA COPY
DATE
CODE

O. M. E.
DEPARTMENT OF THE INTERIOR
FEB

EXTRA COPY
O. M. E
RECEIVED FEB 23 1960

DATE	INITIALS	CODE

EXTRA COPY
RECEIVED FEB 29 1960
DISTRIBUTION MADE FEB 23 1960

DATE	INITIALS	CODE

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Date: February 16, 1960
Payee's Reference: January 1960

Molybdenum Corporation of America
375 Park Ave.
New York 22, New York

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 7,477.50

Difference $ 62.00

Amount Approved $ 7,415.50

The reason for the difference was due to:

Total royalty reported	7,477.50
Analyses charge disallowed	62.00
Balance	7,415.50

OME
DEPARTMENT OF THE INTERIOR
FEB 23 1960
REGION III
DENVER, COLORADO

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Auditor
Audit Section

Randel R. Cooper
Finance Officer, Reg. III

R-III-B & F Form No. 4
4-15-52 D

EXTRA COPY
O. M. E
RECEIVED FEB 20 1960
DATE | INITIALS

Building 20 - Federal Center
Denver 25, Colorado

February 17, 1960

Memorandum

To: T. A. Christensen

From: Executive Officer, GSE Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-E1094
Molybdenum Corporation of America (Moly or Questa mine)
Taos County, New Mexico

Enclosed are the original and four copies of forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Inspection Report covering work performed during the month of January 1960.

It is considered that the Operator has complied with the intent of the contract and the work for which reimbursement is claimed is acceptable to the Government except as hereinafter noted. All of the work was performed at "Fixed Unit Costs" under the short form of contract on Form MF-520A; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104 subject to verification of applicable rates and arithmetical accuracy within the report, except for the disallowance of $68.00 overcharge for analyses.

<u>Reconciliation with total costs reported by the Operator on Form MF-104 for month of January 1960</u>

Total costs reported - - - - - - - - - - - - -	$7,477.58
Analyses charge disallowed- - - - - - -	68.00
Balance - - - - - - - - - - - - - - -	$7,415.58
Government participation at 50 percent - - -	3,707.79
Amount due the Operator - - - - - - - - -	3,707.79

Original signed by

J. W. Townsend

cc: Comm. Op. Comm. (2)
MF-104 File, Reg. III
GSE/MFC
Mailer w/cpy of Engr's rept.
Suep.
Chron.

JWT:ark

OME
DEPARTMENT OF THE INTERIOR
FEB 2 0 1960
REGION III
DENVER, COLORADO

EXTRA COPY
O. M. E.
RECEIVED FEB
DATE INITIALS

Building 20 - Federal Center
Denver 25, Colorado

February 16, 1960

Memorandum

To: J. W. Townsend, Executive Officer, OME Field Team, Region III

From: F. M. Rumble

Subject: Progress Report for January 1960, Docket No. DMA 4568 (Molybdenum) Contract No. Lim-8109, Molybdenum Corporation of America (Moly or Quartz mine) Taos County, New Mexico

Explorations at the Moly mine which are authorized by the captioned contract were inspected by me February 11, 1960, in the company of L. Cornelius, assistant mine surveyor.

Progress was found to be as described below and as recorded in the attached Operator's Report. All of the approved work was completed in accordance with the contract's work specifications.

Drifting

No. 3 Drift East was advanced from Survey Station No. 3875 plus 39 feet to Survey Station No. 3878 plus 36 feet, a total of 156 feet.

Timbering

A total of 145 lineal feet of No. 3 Drift East was timbered with drift-sets. The ground in the timbered section is highly altered and fractured.

Analyses

A total of 31 samples from No. 3 Drift East were assayed for MoS_2. The average MoS_2 content of the 31 samples, covering 155 feet of drift, is 0.34 percent.

Other Work

Diamond drilling was confined to authorized hole No. 37 which had reached a depth of 651 feet at the end of the period.

Other exploratory work was largely confined to the driving of the unauthorized No. 1 Crescent North. The degree of molybdenum mineralization in this drift is significantly lower than encountered by No. 3 Drift East.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drifting - The $6,931.68 is for the approved 156 feet of advance in No. 3 Drift East at $44.43 per foot.

Timber - The $391.70 is for the approved 143 feet of timbering in No. 3 Drift East at $2.70 per foot.

Analyses - The $155.00 represents an overcharge of $62.00 since the approved cost of the 31 samples at $3.00 each is $93.00. The total to date should be $8,196.00 instead of the reported $8,258.00.

Totals - The correct totals after deducting the $62.00 overcharge for analyses are $7,415.58, $330,704.51, and $338,120.09.

Form MF-104A

The form, containing total costs in agreement with those of Form MF-104, appears to have been properly completed with the following exceptions under Stage II:

1. The units to date for drifting should be 3,993 instead of the reported 3,983.

2. Analyses: The correct costs for this month and to date are $93.00 and $5,370.00, respectively.

3. The corrected total costs for this month and to date, are $7,415.58 and $338,120.09, respectively.

Narrative Report

The narrative report with maps is acceptable.

Original signed by
T. N. Ranalo

T. N. Ranalo

cc: 6
Chron.

TNR:arh

OME
DEPARTMENT OF THE INTERIOR
FEB 2[illegible]
REGION III
DENVER, COLORADO

OME
DEPARTMENT OF THE INTERIOR
FEB 15 1960
REGION III
DENVER, COLORADO

C O N T E N T S

January 1960

1. Narrative Report
2. Form MF-104A
3. Form MF-104
4. Geology Map - No. 3 Dft. E.
5. Progress, Timber, Chip Sample Map No. 3 Dft E
6. Progress, Chip Sample Map No. 1 CxN

EXTRA COPY
O. M. E
RECEIVED FEB 26 1960

DATE	INITIALS	CODE

OME
DEPARTMENT OF THE INTERIOR
FEB 23 1960
REGION III
DENVER, COLORADO

NARRATIVE REPORT

January 1960

OME
DEPARTMENT OF THE INTERIOR
FEB 15 1960
REGION III
DENVER, COLORADO

Mr. J. W. Townsend
Executive Officer, G.M.K.
Field Team Region III
Building 20 Federal Center
Denver 25, Colorado

Re: Docket No. IMEA 4568 (Molybdenum)
Contract No. IDM-K1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period January 1 through January 31, 1960 there were 26 working days and 5 Sundays. The mine was worked 26 days on a two shift basis.

There were 156 feet of advance in the No. 3 Drt & with 145 feet of timbering.

We are still drilling in drill hole No. 37. It was down to a depth of 435 feet on January 31, 1960.

Work was carried on in the No. 1 Cxn during this period.

Yours very truly,

OME
DEPARTMENT OF THE INTERIOR
FEB 25 1960
REGION III
DENVER, COLORADO

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. //	1/25	[illegible]
2. Mr. Murphy ✓ O O	1/25	[illegible]
3.		
4.		
5.		
FROM: V V O	1-25	gad

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C. M50943

EXTRA COPY
O. M. E
RECEIVED JAN 25 1960

DATE	INITIALS	CODE

DISTRIBUTION MADE
JAN 22 1960

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Molybdenum Corporation of America
570 Park Avenue
New York 22, New York

Date: 1/22/1960
Payee's
Reference: Dec. 1959
DMEA-4568

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 12,699.40

Difference $ 5,668.70

Amount Approved $ 6,930.70

The reason for the difference was due to:

Disallowance
150 feet of drifting at $44.43 a foot ---------- $6,664.50
126 feet of drift timbering at $2.70 a foot ---------- 340.20
23 sample analyses at $3.00 each ---------- 69.00
Total Disallowance $5,668.70

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

RRC

~~N. B. Stokes~~
Audit Section

R-III-B & F Form No. 4
4-15-52 D

EXTRA COPY O. M. E. RECEIVED JAN 25 1960		
DATE	INITIALS	CODE

Building 20 - Federal Center
Denver 25, Colorado
January 18, 1960

Memorandum

TO: T. A. Christensen

From: Executive Officer, GSE Field Team, Region III

Subject: Docket No. DMEA 4958 (Molybdenum) Contract Mm-R1094
Molybdenum Corporation of America (Maly or Questa mine)
Taos County, New Mexico

Enclosed are the original and four copies of Forms MP-104 and MP-104A, Operator's Narrative Report, and Engineer's Inspection Report covering work performed during the month of December 1959.

It is considered that the Operator has complied with the intent of the contract and the work for which reimbursement is claimed is acceptable to the Government except as hereinafter noted. All of the work was performed at Fixed Unit Cost under the short form of contract on Form MP-2064; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MP-104 subject to verification of applicable rates and arithmetical accuracy within the report, except for the following disallowances of costs of work performed in that portion of the No. 3 Drift East lying westerly of the authorized starting point of Government participation at coordinate E 1300:

Disallowances

186 feet of Drifting at $44.45 a foot	$4,709.58
106 feet of Drift timbering at $2.70 a foot	286.20
25 sample analyses at $3.00 each	69.00
Total Disallowance	$5,064.78

Reconciliation with total costs reported by the Operator on Form MP-104 for month of December 1959

Total costs reported	$11,655.48
Total disallowance as above	5,064.78
Balance	$ 6,590.70
Government participation at 50 percent	3,295.35
Amount due the Operator	3,295.35

Original signed by

J. W. Townsend

JWT:ltm

cc: Chem. Op. Comm. (2)
MP-104 file, Reg. III
OME/DFC
Mesler)w/cpy of Engr's rept.
Susp.

EXTRA COPY
O. M. E.
RECEIVED JAN 25 1960

DATE	INITIALS	CODE

Building 20 - Federal Center
Denver 25, Colorado
January 15, 1960

Memorandum

TO: J. W. Townsend, Executive Officer, OME Field Team, Region III

FROM: T. M. Rosale

Subject: Progress Report for December 1959, Docket No. DMEA 4968 (Molybdenum) Contract No. [illegible], Molybdenum Corporation of America (Moly or Questa mine) Taos County, New Mexico

Progress in explorations at the Moly mine that are authorized by the captioned contract was inspected by me January 14, 1960. I was accompanied by A. L. Grealis, Manager, and J. W. Hasler and R. U. King, Geologists, U.S.G.S.

Progress was found to be as described below and as recorded in the attached Operator's Report. However, Government participation in all of the work is not approved since a portion was completed prior to being authorized by the contract.

All of the approved work was completed in accordance with the contract's work specifications.

Drifting

No. 3 Drift East was advanced from Survey Station No. 3270 plus 25 feet to 60 feet beyond coordinate E1300 for a total of 166 feet. The Operator had been authorized to extend the drift on a bearing of approximately N 80° E not to exceed 500 feet beginning at coordinate E 1300. Government participation in the drifting is therefore confined to the 60 feet of advance from the designated starting point.

Timbering

The approved portion of the 153 feet of timbering done in No. 3 Drift East is confined to the 47-foot section beginning at coordinate E1300, the DMEA starting point.

Analyses

The reported total of 104 samples assayed for MoS2 comprise 71 samples from diamond drill hole No. 39 and 33 channel samples for No. 3 Drift East. Approved analyses comprise those of the 71 drill hole samples and 12 channel samples in the 60-foot section of authorized drift, a total of 83.

Diamond Drilling

Diamond drill hole No. 39 was completed to a depth of 711 feet.

Other Work

Non-contract work was largely confined to driving No. 1 Crosscut North.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $3,555.00 is for the 711 feet of authorized advance in diamond drill hole No. 39 at $5.00 per foot.

Drifting - The $7,375.38 represents the cost of the reported 166 feet of advance in No. 3 Drift East at $44.43. As the authorized advance was 60 feet, the approved cost is $2,665.80. Participation in the cost of the remaining $4,709.58 for the unauthorized 106 feet of advance is recommended for denial.

Timbering - The $413.10 is for the reported 153 feet of timbering at $2.70 per foot. The approved cost is $126.90 for the authorized 47 feet of advance. The disapproved portion is $286.20 for the 106 feet of unauthorized advance.

Analyses - The $512.00 is for the analyses of the reported 104 samples at the specified cost of $5.00 per sample. Of the $512.00, a total of $443.00 for analyses of the authorized 81 samples is approved, and the remaining $69.00 for the 23 unauthorized samples is disapproved.

Totals - The monthly total of $11,655.48 appears to be correct before the recommended disapproval of $5,064.78. The $5,064.78, as shown above, comprises $4,709.58 for 106 feet of drifting, $286.20 for 106 feet of timbering, and $69.00 for the analyses of 23 samples.

Form MF-104A

The form, containing total costs in agreement with those of Form MF-104, appears to have been properly completed except that the units to date for analyses should be 1 less than the reported 1783. The Operator has been asked to correct this item in his next report.

Narrative Report

The narrative report with maps and graphic diamond drill hole logs is acceptable.

Original signed by
T. M. Romslo

T. M. Romslo

TMR:ltm

cc: 6
Chron.

5

EXTRA COPY
O. M. E.
RECEIVED JAN 25 1960

DATE	INITIALS	CODE

C O N T E N T S

December 1959

1. Narrative Report
2. Form M.F. 104A
3. Form M.F. 104
4. Geology Map No. 3 Dft E
5. Progress - Timber & Chip Sample Map No. 3 Dft E
6. Progress - Chip Sample Map 1CxN
7. Drill Hole Map - Drill Hole No. 39
8. Drill Hole Log - Drill Hole No. 39

NARRATIVE REPORT

December 1959

EXTRA COPY
O. M. E
RECEIVED JAN 25 1960

DATE	INITIALS	CODE

Mr. J. W. Townsend
Executive officer, O.M.E.
Field Team Region III
Building 20, Federal Center
Denver 25, Colorado

RE: Docket No DMRA 4568 (Molybdenum)
Contract No IDM-E 1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period of December 1 through December 31, 1959 there were 24 working, 4 Sundays, and three days off for holiday. We were off three days for Christmas holiday and also had to be off December 21st-22nd- and 23rd. We had trouble with the hoist motor and resistors so we couldn't work. The mine was worked 21 days on a two shift basis.

There were 166 feet of drifting in No 3 Drft E with 153 feet of timber in this place.

Diamond drill hole No 38 was completed to a depth of 711 feet. We are starting on drill hole No 37 now.

Work was carried on in No 1 CxM during this period.

Yours very truly,

A. L. Greslin, Manager

OME
DEPARTMENT OF THE INTERIOR
JAN 12 1960
REGION III
DENVER, COLORADO

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 Docket No. DME 4568 Contract No. IDM-E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N. Y.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting	Ft.	0.00	-0-	44430.00	1000	44.43	1000	44.43
XXXXXXXXX Crosscutting Drill Sta	Ft.	0.00	-0-	3154.53	71	44.43	115	44.43
XXXXX Raising Timbering	Ft.	0.00	-0-	2516.40	932	2.70	1000	2.70
XXXXX Shafts Analyses	Ea.	0.00	-0-	2826.00	942	3.00	1100	3.00
XXXXX Winzes Ream-Case	Ft.	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	Ft.	0.00	-0-	37535.00	7507	5.00	9000	5.00
XXXX Churn				STAGE II				
Drift XXXXX Adger Crosscut	Ft.	7375.38	166	175187.49	3943	44.43	6160	44.43
XXXXXX Stripping Drill Sta.	Ft.	0.00	-0-	8841.57	199	44.43	250	44.43
XXXXXXXX Tronching Timbering	Ft.	413.10	153	7152.30	2649	2.70	6160	2.70
XXXXXXX Test Pits Analyses	Ea.	312.00	104	5346.00	1783	3.00	3177	3.00
XXXXXXXXXXXXXX Roads and Trails Ream-Case	Ft.	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	Ft.	3555.00	711	47280.00	9456	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
		11655.48		335769.29				
TOTAL COSTS								

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 1/10/60 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

OME
DEPARTMENT OF THE INTERIOR
JAN 12 1960
REGION III
DENVER, COLORADO

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

JAN 25 1960
O.M.E.

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

JAN 25 1960
OME

Month of December, 195 9 Docket No. DMEA 4568 Contract No. IDM-E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N. Y.
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	3555.00	81260.00	84815.00			
~~XXXXXXX~~ Drill Sta.	0.00	11996.10	11996.10			
Crosscutting & Drifting	7375.38	212242.11	219617.49			
~~XXXXXX~~ Timbering	413.10	9255.60	9668.70			
Analyses	312.00	7860.00	8172.00			
(2) ~~XXXXXXXXXXXXXXX~~:						
~~XXXX~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	11655.48	324113.81	335769.29	590.70	324113.81	330704.51

OME
DEPARTMENT OF THE INTERIOR
JAN 12 1960
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 1/14/60 *Payee Molybdenum Corporation of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3295.35

Signature [signature]
(Authorized Certifying Officer)

Date 1-20-60 Vou. No. DMEA 60-20

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1094 in accordance with the terms of the contract.

Signature [illegible] Checked for Engineering Allowability Title Mining Engineer Date 1/15/60

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date JAN 18 1960

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

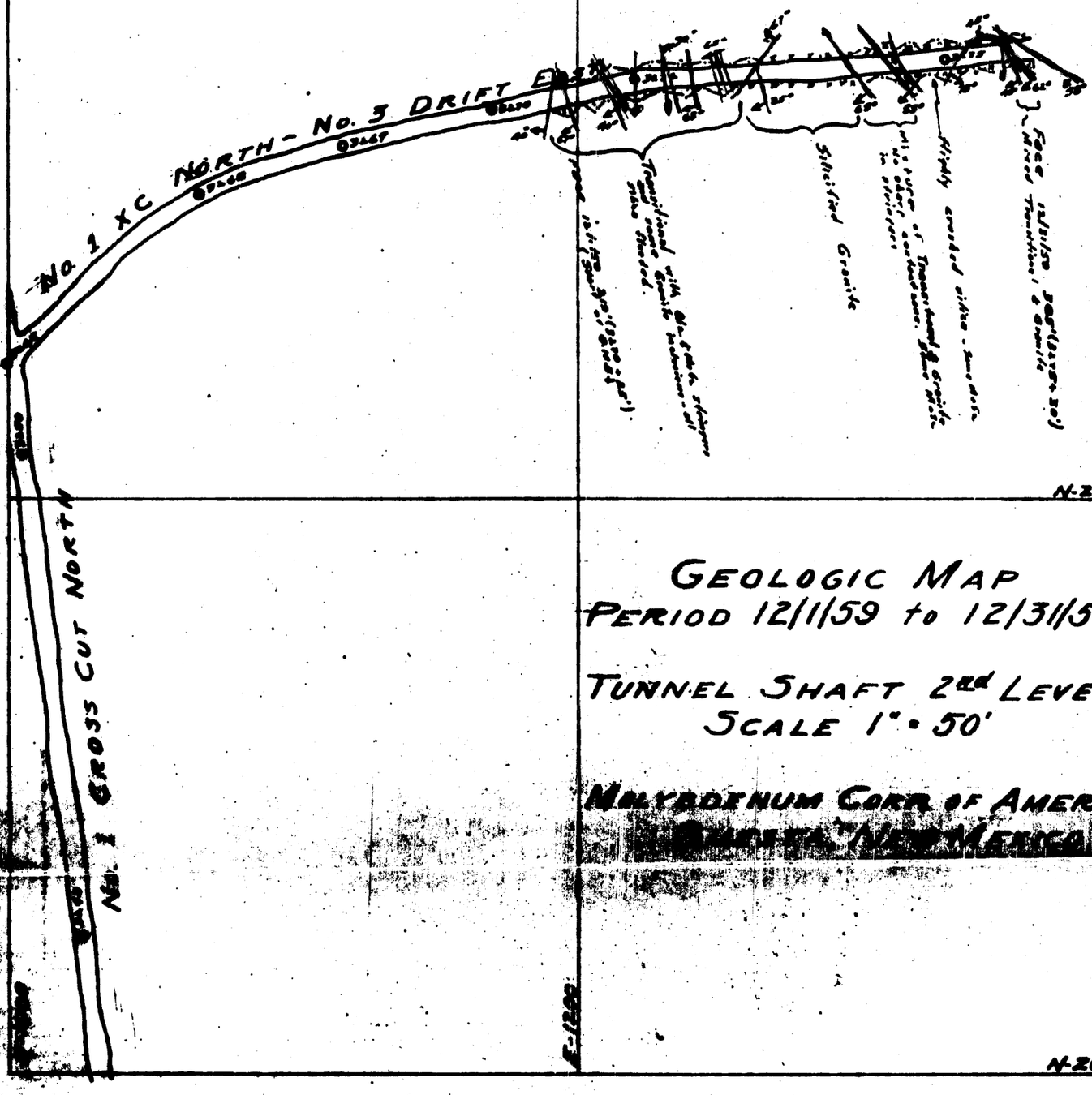
Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

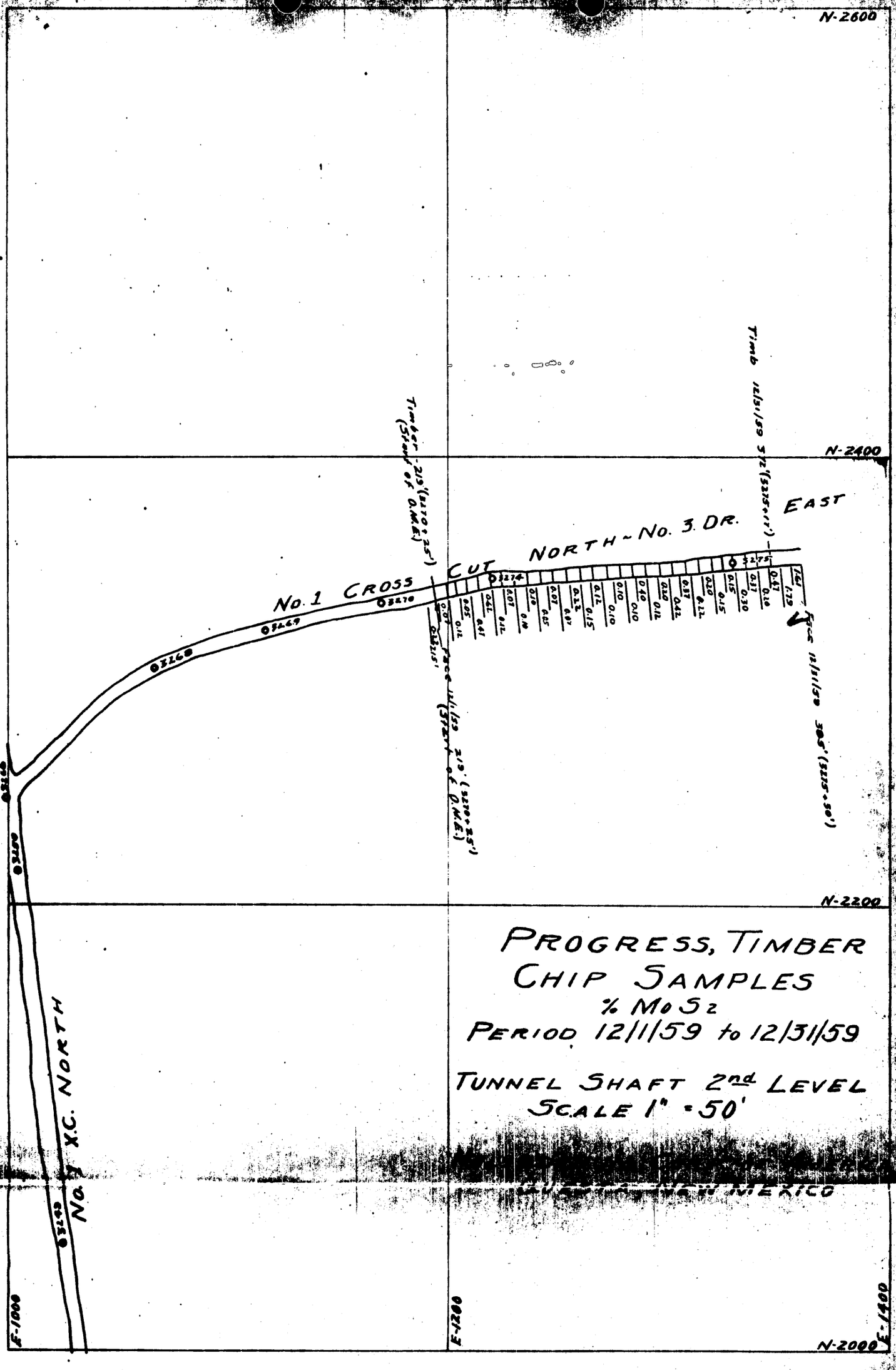
Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.



GEOLOGIC MAP
PERIOD 12/1/59 to 12/31/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
[redacted]



PROGRESS, TIMBER CHIP SAMPLES

% MoS_2

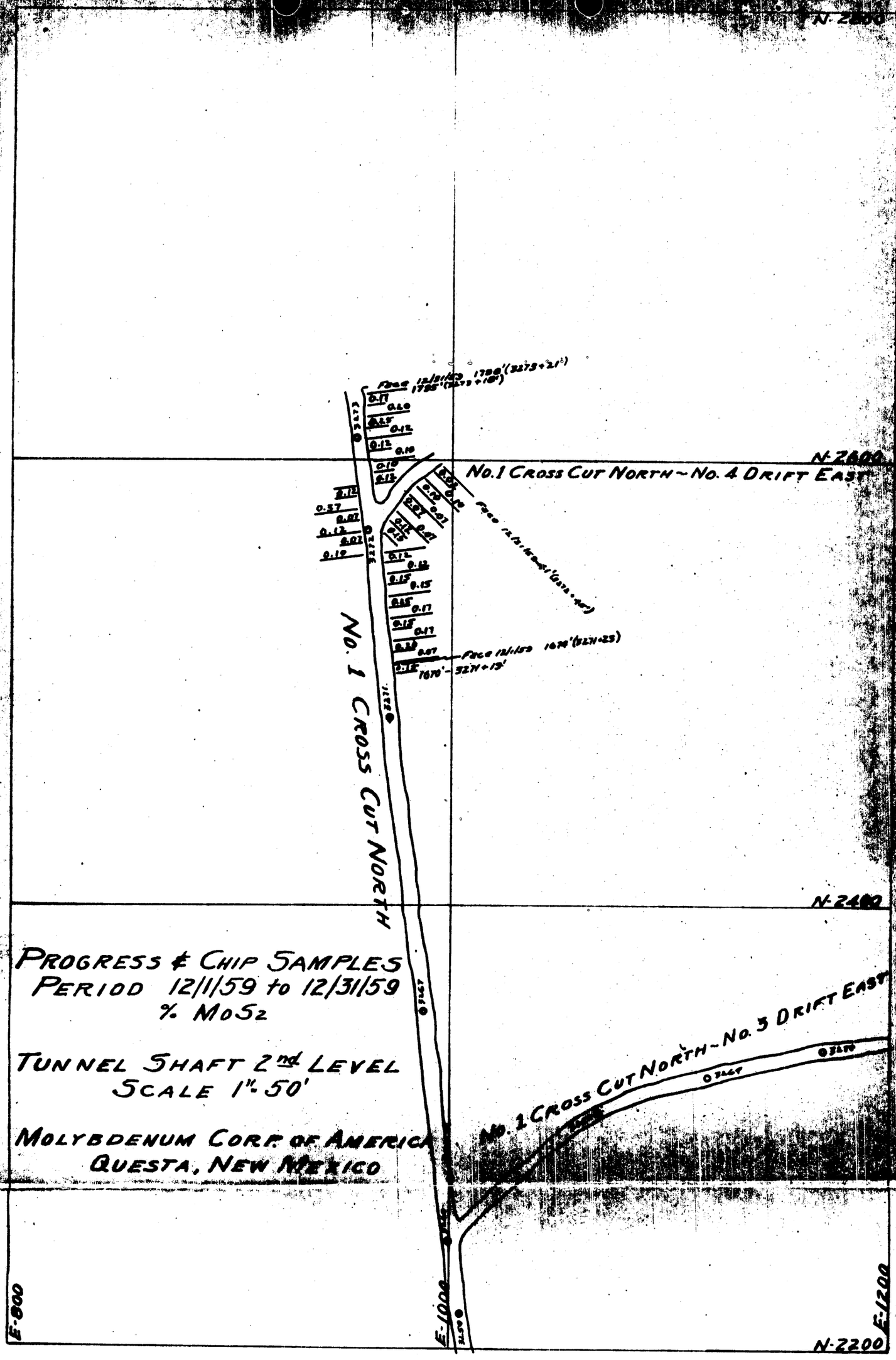
PERIOD 12/1/59 to 12/31/59

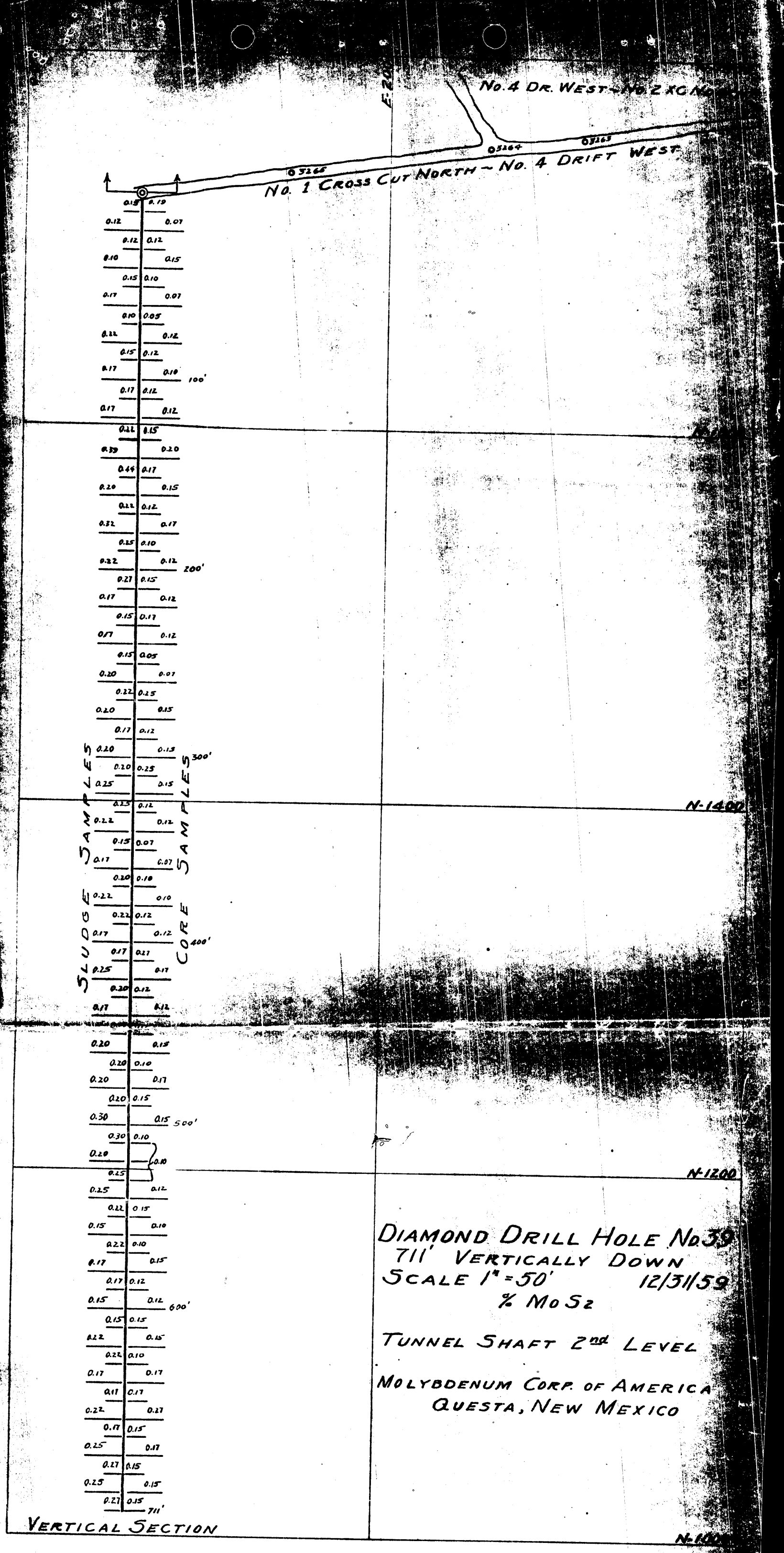
TUNNEL SHAFT 2nd LEVEL

SCALE 1" = 50'

[redacted]

MULLAN, NEW MEXICO


N-2800
N-2400
N-2200
E-800
E-1000
E-1200
No. 1 Cross Cut North
No. 1 Cross Cut North - No. 4 Drift East
No. 1 Cross Cut North - No. 3 Drift East
Face 12/31/59 1700' (3273+21')
Face 12/1/59 1670' (3271+29)
1670' - 3271+13'
0.11
0.20
0.12
0.12
0.10
0.10
0.12
0.57
0.07
0.12
0.07
0.10
0.12
0.12
0.15
0.15
0.17
0.17
0.07
0.12
3275
3272
3271
3267
3264
3269
3267
3270
PROGRESS & CHIP SAMPLES
PERIOD 12/1/59 to 12/31/59
% MoS2
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


No. 4 Dr. West ~ No. 2 XC
No. 1 Cross Cut North ~ No. 4 Drift West
05265
05264
05263
0.15 0.19
0.12 0.07
0.12 0.12
0.10 0.15
0.15 0.10
0.17 0.07
0.10 0.05
0.22 0.12
0.15 0.12
0.17 0.10
100'
0.17 0.12
0.17 0.12
0.22 0.15
0.39 0.20
0.44 0.17
0.20 0.15
0.22 0.12
0.32 0.17
0.25 0.10
0.22 0.12
200'
0.27 0.15
0.17 0.12
0.15 0.17
0.17 0.12
0.15 0.05
0.20 0.07
0.22 0.25
0.20 0.15
0.17 0.12
0.20 0.15
0.20 0.25
0.25 0.15
300'
0.25 0.12
0.22 0.12
0.15 0.07
0.17 0.07
0.20 0.10
0.22 0.10
0.22 0.12
0.17 0.12
400'
0.17 0.27
0.25 0.17
0.20 0.12
0.17 0.12
0.20 0.15
0.20 0.10
0.20 0.17
0.20 0.15
0.30 0.15
500'
0.30 0.10
0.20 0.10
0.25
0.25 0.12
0.22 0.15
0.15 0.10
0.22 0.10
0.17 0.15
0.17 0.12
0.15 0.12
600'
0.15 0.15
0.22 0.15
0.22 0.10
0.17 0.17
0.17 0.17
0.22 0.27
0.17 0.15
0.25 0.17
0.27 0.15
0.25 0.15
0.27 0.15
711'
SLUDGE SAMPLES
CORE SAMPLES
VERTICAL SECTION
N-1400
N-1200
DIAMOND DRILL HOLE No. 39
711' VERTICALLY DOWN
SCALE 1" = 50'
12/31/59
% MoS2
TUNNEL SHAFT 2nd LEVEL
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

Core Log Diamond Drill Hole No. 39
Date Drilled 11/14/59 To 12/31/59
% Core Recovery 40.28 %

	Distance From	Distance To	Core Sample No	Core Wt lb	Core Wt oz	Core % Rec	Core % Moisture	Sludge Sample No	Sludge % Moisture	Remarks	
	0	10	1060	12	12	2914	0.19	1062	0.15	Transition	NX
	10	14		9	4	5286				"	"
	14	15		2	2	4857				"	"
	15	18		8	8	6476				"	"
	18	20		6	4	7143				"	"
	10	20	1061	26	2	5971	0.07	1063	0.12		
7	20	21		3	2	7143				"	"
8	21	24		10	8	8000				"	"
9	24	27		8	2	6190				"	"
10	27	30		9	8	7238				"	"
11	20	30	1085	31	4	7143	0.12	1064	0.12		[redacted]
12	30	33		4	2	5500				"	[redacted]
13	33	34		1	8	10.00				"	"
14	34	40		3	-	2000				"	"
15	30	40	1086	8	10	3450	0.15	1065	0.10		
16	40	46		3	10	2917				"	"
17	46	50		2	4	2875				"	"
18	40	50	1087	6	8	2500	0.10	1066	0.15		
19	50	59		10	8	4667				"	"
20	59	60		2	12	10.00				"	"
21	50	60	1088	15	4	5300	0.07	1067	0.17		
22	60	66		14	4	9500				"	"
23	66	70		3	8	3500				"	"
24	60	70	1089	19	12	7100	0.05	1068	0.10		
25	70	71		2	10	1400				"	"
26	71	76		3	2	2500				"	"
27	76	80		6	-	6000				"	"
28	70	80	1090	11	12	4700	0.12	1069	0.22		
29	80	89		10	12	4777				"	"
30	89	90		1	2	4500				"	"
31	80	90	1091	11	14	4950	0.12	1070	0.15		
32	90	93		1	-	1333				Granite	"
33	93	98		3	6	[illegible]				"	"
34	98	100		[illegible]							
[illegible]											
37	102	110		1	8	[illegible]				"	"
38	100	110	1093	2	12	1100	0.12	1072	0.18		
39	110	112		-	14	1750				"	"
40	112	118		1	-	6667				"	"
41	118	120		3	14	7950				"	"
42	110	120	1094	5	12	5300	0.12	1073	0.17		
43	120	124		6	4	6200				"	"
44	124	126		2	12	5500				"	"
45	126	129		1	4	1667				"	"
46	129	130		4	10	10000				"	"

Core Log
Date Drilled
% Core Recovery

Diamond Drill Hole No 34

	Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mass	Sludge SPL No	Sludge % Mass	Remarks
1	120	130	1095	14	4	3950	0.15	1074	0.22	
2	130	131		2	-	8100				Granite
3	131	134		2	2	1063				"
4	134	140		1	2	4500				"
5	130	140	1100	5	4	2100	0.20	1144	0.34	
6	140	144		2	6	2375				"
7	144	146		1	12	3000				"
8	146	150		2	4	2250				"
9	140	150	1101	6	6	2550	0.17	1105	0.44	
10	150	152		1	12	3000				"
11	152	159		3	8	2000				"
12	159	160		1	10	6500				"
13	150	160	1102	6	14	2750	0.15	1106	0.20	
14	160	163		3	4	4333				"
15	163	165		2	2	4250				"
16	165	169		4	8	7500				"
17	169	170		1	8	6000				"
18	160	170	1103	14	6	5750	0.12	1107	0.22	
19	170	175		1	8	1200				"
20	175	180		9	12	7800				"
21	170	180	1267	11	4	4500	0.17	1108	0.32	
22	180	183		6	14	9167				Quartz
23	183	187		2	-	2000				"
24	187	190		1	4	1667				"
25	180	190	1268	10	2	34000	0.10	1149	0.25	
26	190	193		1	12	2333				"
27	193	198		1	10	1800				"
28	198	200		1	14	3750				"
29	190	200	1269	5	4	2100	0.12	1150	0.22	
30	200	203		1	14	3333				"
31	203	205		4	8	9400				"
32	205	208		5	4	7000				"
33	208	210		1	14	3750				"
34	200	210	1270	13	8	5400	0.15	1151	0.27	
35	210	211		2	8	10000				"
36	211	215		5	8	5300				Granite (Hard)
37	215	217		3	4	6500				" "
38	217	220		2	2	2833				" "
39	210	220	1271	13	6	5350	0.12	1152	0.17	
40	220	224		2	10	2625				" "
41	224	228		3	-	3000				" "
42	228	230		-	8	1000				" "
43	220	230	1272	6	2	2450	0.17	1153	0.15	
44	230	231		-	12	3000				" "
45	231	238		2	-	1143				"
46	238	240		3	-	6000				"
47										

Core Log Diamond Drill Hole No 39
Date Drilled
% Core Recovery

Distance From	Distance To	Core SPL No	Core Wt. Lb	Core Wt. oz	Core % Rec	Core % Mo S2	Sludge SPL No	Sludge % Mo S2	Remarks
230	240	1273	5	12	2300	012	1154	017	Granite
240	243		3	2	4167				"
243	250		1	6	7857				"
240	250	1274	4	8	1800	005	1155	015	
250	256		10	4	6834				"
256	260		7	4	7250				"
250	260	1275	17	8	7000	007	1156	020	
260	261		3	8	10 40				"
261	263		4	6	8750				"
263	267		8	4	8250				"
267	270		3	6	4500				"
260	270	1279	14	8	7800	025	1154	022	
270	272		3	10	7250				"
272	274		4	8	9000				"
274	279		10	-	8000				"
279	280			12	3000				"
270	280	1280	18	14	7550	015	1155	020	
280	284		-	12	7500				"
284	289		6	2	4900				"
289	290		2	2	8500				"
280	290	1281	9	-	3600	012	1156	017	
290	294		6	-	6000				"
294	297		4	10	6167				"
297	300		4	-	5333				"
290	300	1282	14	10	5850	015	1157	020	
300	305		1	10	1300				Porphyry
305	310		2	12	2200				"
300	310	1283	4	6	1750	025	1158	020	
310	312		4	4	8500				"
312	316		2	4	2250				"
316	319		2	12	3667				Granite-Quartz
319	320		2	6	9500				" "
310	320	1284	11	10	4650	015	1159	025	
320	325		6	14	3500				"
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				" "
335	339		1	6	2700				
339	340		-	12	6000				"
330	340	1286	3	6	2700	012	1161	022	
340	345		1	10	2600				" "
345	350		2	4	3600				" "
340	350	1287	3	14	3100	007	1162	015	
350	356		2	8	3333				" "
356	360		3	12	7500				" "
350	360	1288	6	4	5000	007	1163	017	

1	360	363		2	12	7333				Porphyry	Ax
2	363	368		4	6	7000				"	"
3	368	370		1	8	6000				"	"
4	360	370	1281	8	10	6900	0.10	1164	0.20	"	"
5	370	373		2	12	7333				"	"
6	373	380		6	4	7850				"	"
7	370	380	1290	9	10	7700	0.10	1165	0.22		
8	380	381		1	8	6000				"	"
9	381	390		1	4	2500				"	"
10	380	390	1291	2	12	2200	0.12	1166	0.22		
11	390	391		-	12	6000				"	"
12	391	396		2	-	3200				"	"
13	396	400		2	8	5000				"	"
14	394	400	1292	5	4	4200	0.12	1300	0.17		
15	400	404		2	10	5500				"	"
16	404	410		-	6	0500				"	"
17	400	410	1293	3	-	2400	0.27	1301	0.17		
18	410	412		-	6	1500				"	"
19	412	418		1	12	2333				"	"
20	418	420		1	-	4000				"	"
21	400	420	1294	3	2	2500	0.17	1302	0.25		
22	420	426		1	10	2167				"	"
23	426	430		3	-	6000				"	"
24	420	430	1295	4	10	3750	0.12	1303	0.20		
25	430	435		3	4	5200				"	"
26	435	440		2	2	3500				"	"
27	430	440	1296	5	6	4300	0.12	1304	0.17		
28	440	441		-	8	2000				"	"
29	441	448		3	4	3715				"	"
30	448	450		1	14	7500				"	"
31	440	450	1297	5	10	4500	0.12	1305	0.17		
32	450	455		5	8	5600				"	"
33	455	460		5	4	8400				"	"
34	440	460	1298	8	12	7100	0.12	1306	0.20		
35	[illegible]	[illegible]									
36	[illegible]	[illegible]									
37	[illegible]	[illegible]									
38	[illegible]	[illegible]	1299	4	10	[illegible]	[illegible]	[illegible]	[illegible]		
39	470	471		1	4	[illegible]				"	"
40	471	474		-	4	6667				"	"
41	474	480		2	-	4667				"	"
42	470	480	1325	3	8	5710	0.15	1325	0.20		
43	471	481		1	-	4667				"	"
44	481	500		1	2	1000				"	"
45	480	500	1326	2	2	1700	0.15	1326	0.30		
46	500	508		4	14	[illegible]				"	"
47											

Core Log [illegible] No 39
Date Drilled
% Core Recovery

	Distance From	Distance To	Core SPL No	Core Wt. Lb	Core Wt. oz	Core % Rec	Core % MoS2	Sludge SPL No	Sludge % MoS2	Remarks
1	508	510		—	4	1000				Porphyry
2	500	510	1337	5	2	4100	0.10	1327	0.30	
3	510	512		—	6	1500				"
4	512	520		no	core					
*	510	520		—	6	0300		1328	0.20	
6	520	524		1	4	2500				"
7	524	530		4	6	5833				"
*	520	530		5	10	4500		1329	0.25	"
9	510	530	1338	6	—	4800	0.10			
10	530	536		1	10	2167				"
11	536	538		1	6	5500				"
12	538	540		1	12	7000				"
13	530	540	1477	4	12	3800	0.12	1355	0.25	
14	540	543		3	6	9000				"
15	543	547		1	4	2500				"
16	547	560		1	6	3667				"
17	540	550	1478	6	—	4800	0.15	1356	0.22	
18	550	557		4	-	4571				"
19	557	560		1	2	3000				"
20	550	560	1479	5	2	4100	0.10	1357	0.15	
21	560	561		—	8	4000				"
22	561	570		4	4	3778				"
23	560	570	1480	4	12	3800	0.10	1358	0.22	
24	570	571		-	8	4000				"
25	571	576		5	2	8200				"
26	576	580		—	8	1000				"
27	570	580	1481	6	2	4900	0.15	1359	0.17	
28	580	582		-	8	2000				"
29	582	588		5	2	6833				"
30	588	590		2	-	8000				"
31	580	590	1482	7	10	6100	0.12	1364	0.17	
32	590	593		2	4	6000				"
33	593	599		3	12	9500				"
34	599	600		1	4	9333				"
35	590	600	1483	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
36	600	603		[illegible]	[illegible]	[illegible]				
37	600	608		[illegible]	[illegible]	[illegible]				
38	609	610		—	4	[illegible]				"
39	600	610	1484	6	-	4800	0.15	1366	[illegible]	"
40	610	615		4	4	6800				"
41	615	620		1	-	1600				"
42	610	620	1485	5	4	4200	0.15	1367	0.22	
43	620	629		2	2	4250				"
44	629	630		2	-	2667				
45	620	630	1486	4	2	3300	0.10	1368	0.22	"
46	630	631		—	10	5000				"
47										

631	640		4	12 4200				Pa. Phys	BX
630	640	14875		6 4300	017	1469	017		
640	642		1	2 4500				"	"
642	645		1	8 4000				"	"
645	650		1	6 2200				"	"
640	650	1488	4	- 3200	017	1470	017		
650	652		1	2 4500				"	"
652	659		2	- 2286				"	"
659	660		—	8 4000				"	"
650	660	1489	3	10 2900	027	1471	022		
660	669		-	8 0444				"	"
669	670		1	- 8000				"	"
660	670	1490	1	8 1200	015	1472	017	"	"
670	678		—	12 0750				"	"
678	680		1	- 4000				"	"
670	680	1491	1	12 1300	017	1473	025		
680	688		—	14 1000				"	"
688	690		—	6 1500				"	"
680	690	1492	1	4 1000	015	1474	027		
690	696		-	8 0667				"	"
696	700		3	2 0625				"	"
690	700	1493	3	10 2900	015	1475	025		
700	706		1	6 1633				"	"
706	711		1	12 2800				"	"
700	711	1494	3	2 2272	015	1476	027		

OME
DEPARTMENT OF THE INTERIOR
JAN 12 1960
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
O M E
RECEIVED DEC 28 1959

DATE	INITIALS	CODE
12/28	C	220
1	JJ	110
12/28	Murphy	500

Building 20 - Federal Center
Denver 25, Colorado
December 17, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-E1094
Molybdenum Corporation of America (Moly or Questa mine)
Taos County, New Mexico

Enclosed are the original and four copies of Forms MF-104 and MF-104A, Operator's narrative report, and Engineer's inspection report for the month of November 1959.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form of contract on Form MF-200A; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by

J. W. Townsend

DISTRIBUTION MADE
DEC 22 1959

Enclosures

JWT:ltm

cc: Chmn. Op. Comm. (2)
MF-104 file, Reg. III
OME/DFC
Hasler)w/cpy Engr's Rept.
Chron.

ADMINISTRATIVE OFFICE
REGION III
DEC 18 1959
BUREAU OF MINES
DENVER, COLORADO

Building 20 - Federal Center
Denver 25, Colorado
December 16, 1959

Memorandum

TO: J. W. Townsend, Executive Officer, GME Field Team, Region III

From: T. N. Bonalo

Subject: Progress Report for November 1959, Docket No. DMEA 4568 (Molybdenum) Contract No. Idm-K1094, Molybdenum Corporation of America (Moly or Questa mine) Taos County, New Mexico

Progress in explorations at the Moly mine which is authorized by the captioned contract was checked by me December 3, 1959. Underground inspections were made with Irvin Sackett, mine engineer. Diamond drill core and maps were inspected in the mine office with A. L. Grealis, Manager.

Progress was found to be as described below and as recorded in the attached Operator's Report. The work was in accordance with the contract's specifications.

Drifting

No. 4 Drift West was advanced 51 feet to a point 1002 feet from No. 1 Crosscut North. Of the 51 feet, 49 feet was authorized since the drift was extended 2 feet beyond the allowable 1000 feet.

Timbering

A total of 72 feet of No. 4 Drift West was supported with timber sets. The 72 feet of timber was installed in the 49-foot section driven during November and in a 23-foot section driven during October.

Analyses

A total of 59 samples, 49 core and 10 drift, were assayed for MoS_2.

The assays showed that no extensive zones of significant mineralization were penetrated by either the drift or drill hole.

Diamond Drilling

Diamond drill hole No. 33 was completed to a depth of 586 feet.

Diamond Drill Stations

A total of 29 feet of raising was done in drill stations for holes Nos. 37, 38, 39 and 40.

Other Work

Non-contract work was largely confined to about 50 feet of additional advance in No. 1 Crosscut North and 219 feet of initial advance in No. 3 Drift East.

The Operator verbally reported that 108 tons of ore containing 2.3% MoS_2 from a highly mineralized zone encountered in No. 3 Drift East had been trucked to the company's mill and stored in the ore bins.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $2,930.00 is for the authorized 586 feet of advance in diamond drill hole No. 33 at $5.00 per foot.

Drill Stations - The $1,288.47 is for the authorized advance of 29 feet in diamond drill stations for holes Nos. 37, 38, 39 and 40 at $44.43 per foot.

Drifting - The $2,177.07 is for the 49 feet of authorized advance in No. 4 Drift West at $44.43 per foot.

Timber - The $194.40 is for the authorized 72 feet of timber installed in No. 4 Drift West at $2.70 per foot.

Analyses - The $177.00 is for the authorized analyses of the 59 samples for MoS_2 at $5.00 per sample.

Totals - The totals, $6,766.94, $317,346.37 and $324,113.81, appear to be correct.

Form MF-104A

The form, containing total costs which are in agreement with those on Form MF-104, appears to have been properly completed.

Narrative Report

The narrative report with maps and graphic diamond drill hole logs is acceptable.

T. N. Romslo

TMR:ltm

cc: 6
Chron.

C O N T E N T S

November 1959

1. Narrative Report

2. Form M. F. 104a

3. Form M. F. 104

4. Geology Map No. 4 Dft W

5. Progress - Timber & Chip Sample Map - No. 4 Dft W

6. Progress - Chip sample Map - NO. 1 CxN & 3 Dft E

7. Drill Hole Map Drill Hole No. 33

8. Drill Hole Log Drill Hole No. 33

NARRATIVE REPORT

November 1959

OME
DEPARTMENT OF THE INTERIOR
DEC 16 1959
REGION III
DENVER, COLORADO

Mr. J. W. Townsend
Executive Officer, O. M.E.
Field Team, Region 111
Building 20, Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IBML E 1094
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period of November 1 through November 30, 1959 there were 24 working days, 5 Sundays and 1 Holiday (Thanksgiving Day). The Mine was Worked 24 days on a two shift basis.

There were 49 feet Of drifting in No. 4 Dft W to complete this drift to 1000 feet. There were 72 feet of timbering in this place.

Diamond drill hole No 33 was Completed to 586 feet where it had to be stopped.

We are drilling in drill hole No. 39. It was down 284 feet on November 30, 1959.

Work was carried on in No. 1,CxN and No. 3 Dft E during this period.

There were 29 feet of raising for drill stations, of this there were 19 feet for drill station for holes 38-39-40 and 10 feet for drill hole No. 37.

Yours very truly,

Manager

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1959 Docket No. DMEA 4568 Contract No. IDM-E 1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N. Y.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
				Stage I				
Drifting	Ft.	0.00	-0-	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta.	Ft.	0.00	-0-	3154.53	71	44.43	115	44.43
~~Raising~~ Timbering	Ft.	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Shafts~~ Analyses	Sa.	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Winzes~~ Ream-Case	Ft.	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	Ft.	0.00	-0-	37535.00	7507	5.00	9000	5.00
				Stage II				
Drift ~~Churn~~ Crosscut	Ft.	2177.07	49	167812.11	3777	44.43	6160	44.43
~~Auger~~ Drill Sta.	Ft.	1288.47	29	8841.57	199	44.43	250	44.43
~~Stripping~~ Timbering	Ft.	194.40	72	6739.20	2496	2.70	6160	2.70
~~Trenching~~ Analyses	Sa.	177.00	59	5034.00	1679	3.00	3177	3.00
~~Test Pits~~ Ream-Case	Ft.	0.00	-0-	1000.00	1000	1.00	1000	1.00
~~Roads and Trails~~ Core Drilling	Ft.	2930.00	586	43725.00	8745	5.00	19500	5.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		6766.94		324113.81				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 12/14/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

Remarks:

OME
DEPARTMENT OF THE INTERIOR
DEC 16 1959
REGION III
DENVER, COLORADO

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

DEC 28 1959 DENVER

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1959 Docket No. DMEA 4568 Contract No. IDM-E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N. Y.
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	2930.00	78330.00	81260.00			
~~xxxxxxx~~ Drill Sta.	1288.47	10707.63	11996.10			
Crosscutting & Drifting	2177.07	210065.04	212242.11			
~~xxxxx~~ Timber	194.40	9061.20	9255.60			
Analyses	177.00	7683.00	7860.00			
(2) Labor and Supervision:						
~~xxxxx~~ Ream - Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	6766.94	317346.87	324113.81	6766.94	317346.87	324113.81

OME
DEPARTMENT OF THE INTERIOR
DEC 10 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 12/14/59 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 3383.47
Signature [signature]
(Authorized Certifying Officer)
Date 12/18/59 Voucher No. DMEA 60-18
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 1094 in accordance with the terms of the contract.

Signature [illegible] Checked for Engineering Allowability Title Mining Engineer Date 12/16/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date DEC 17 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

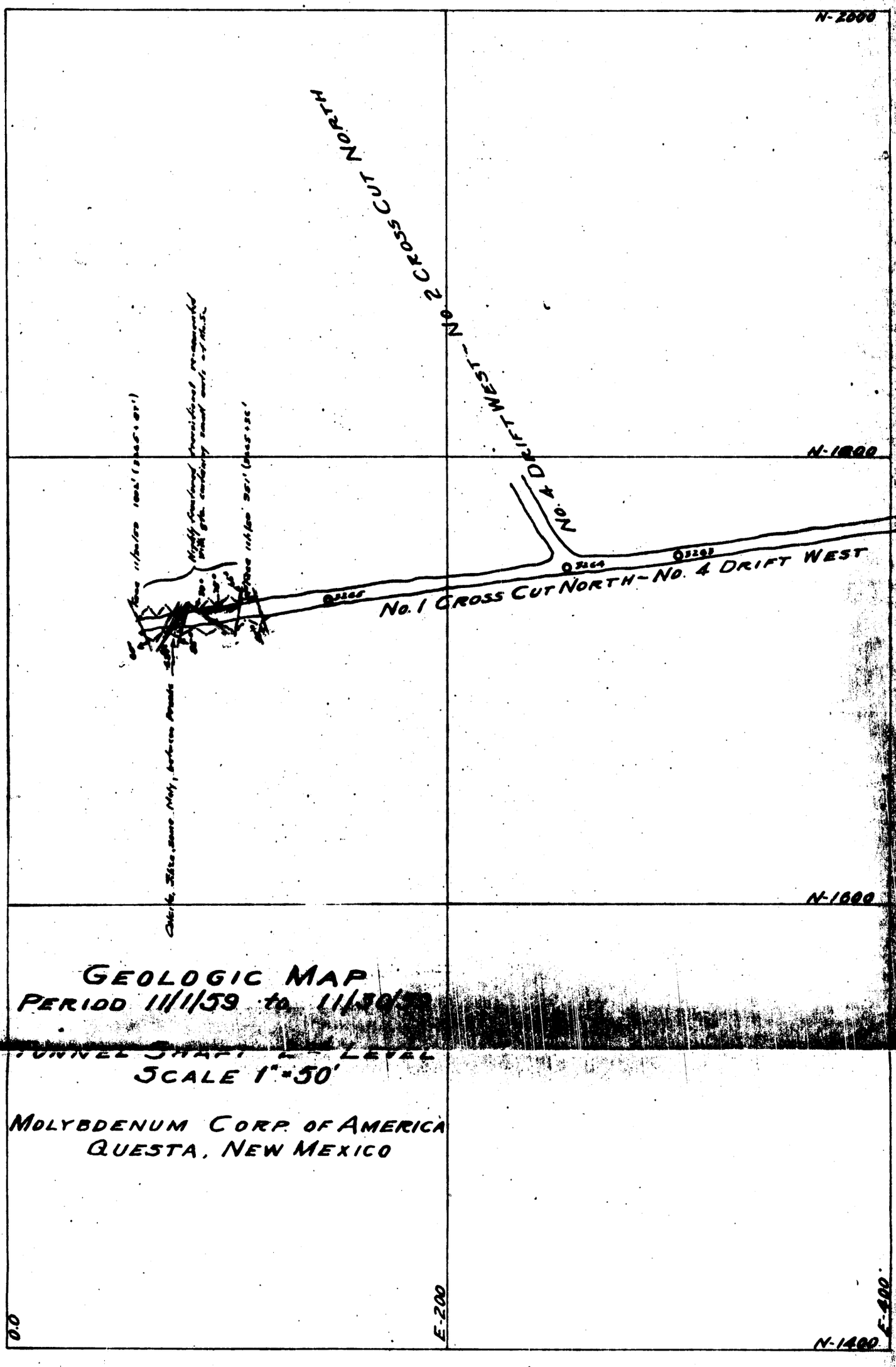
Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

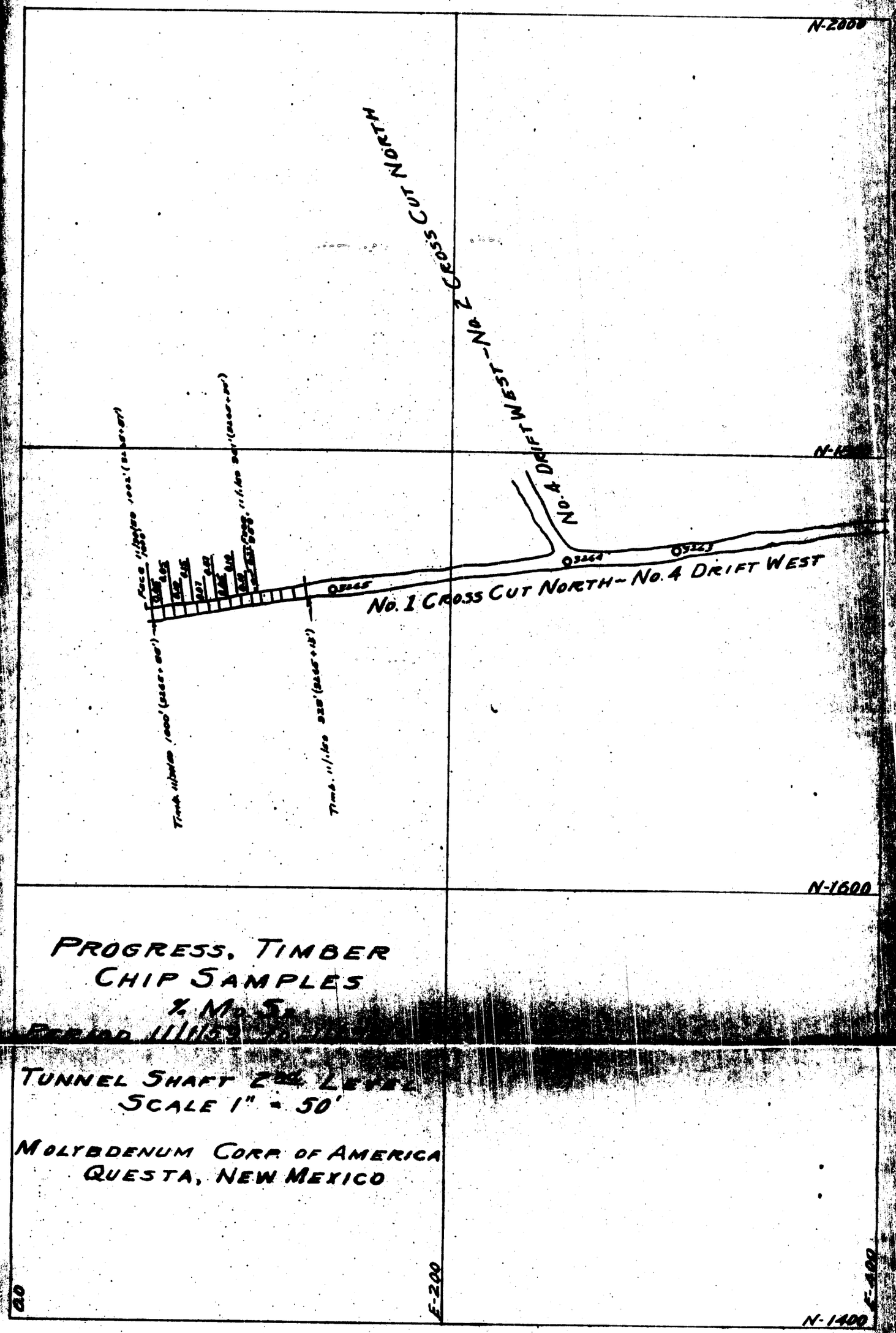
Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

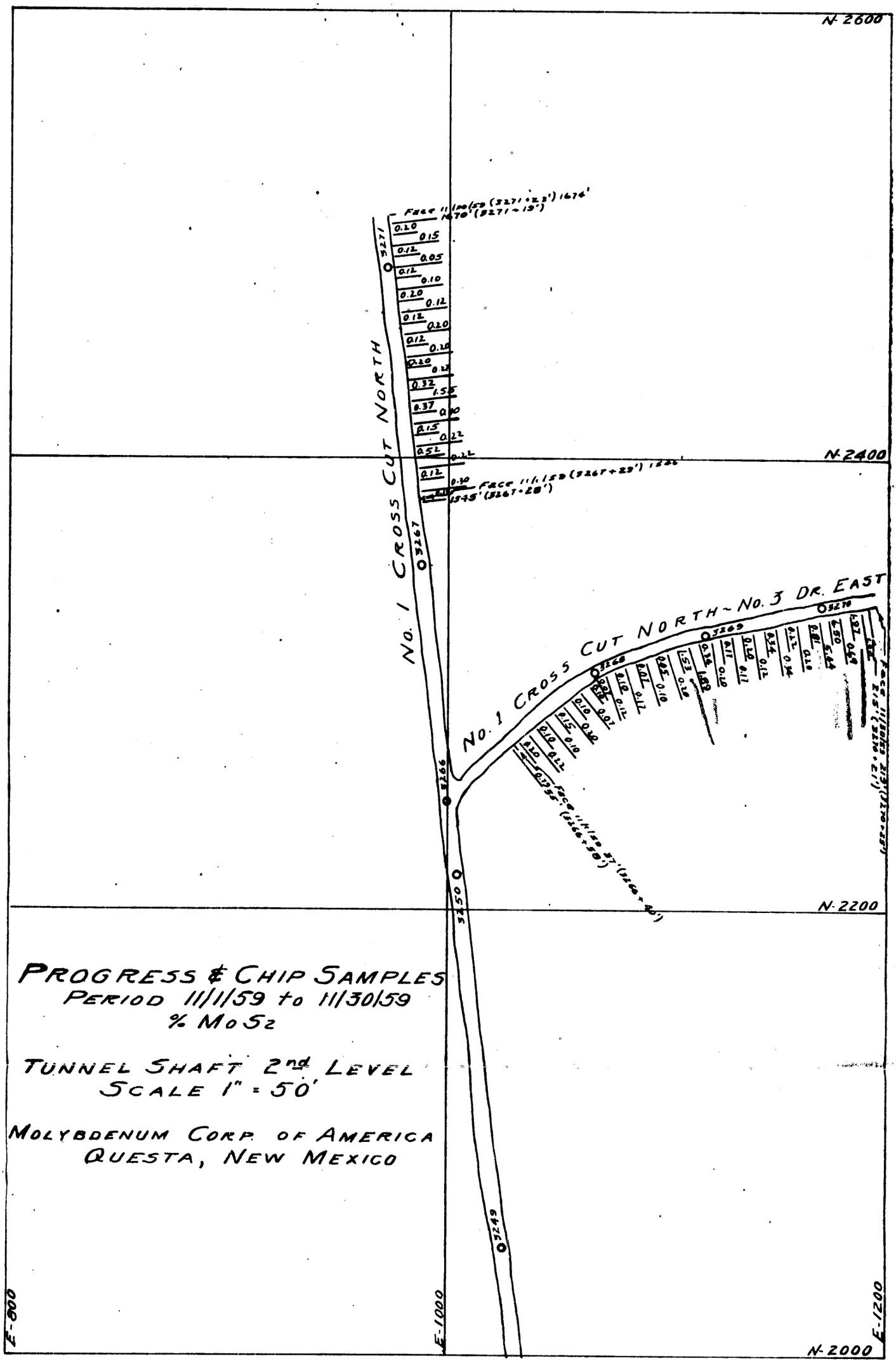
Item (8) includes any unforeseen costs not included in the other seven categories.

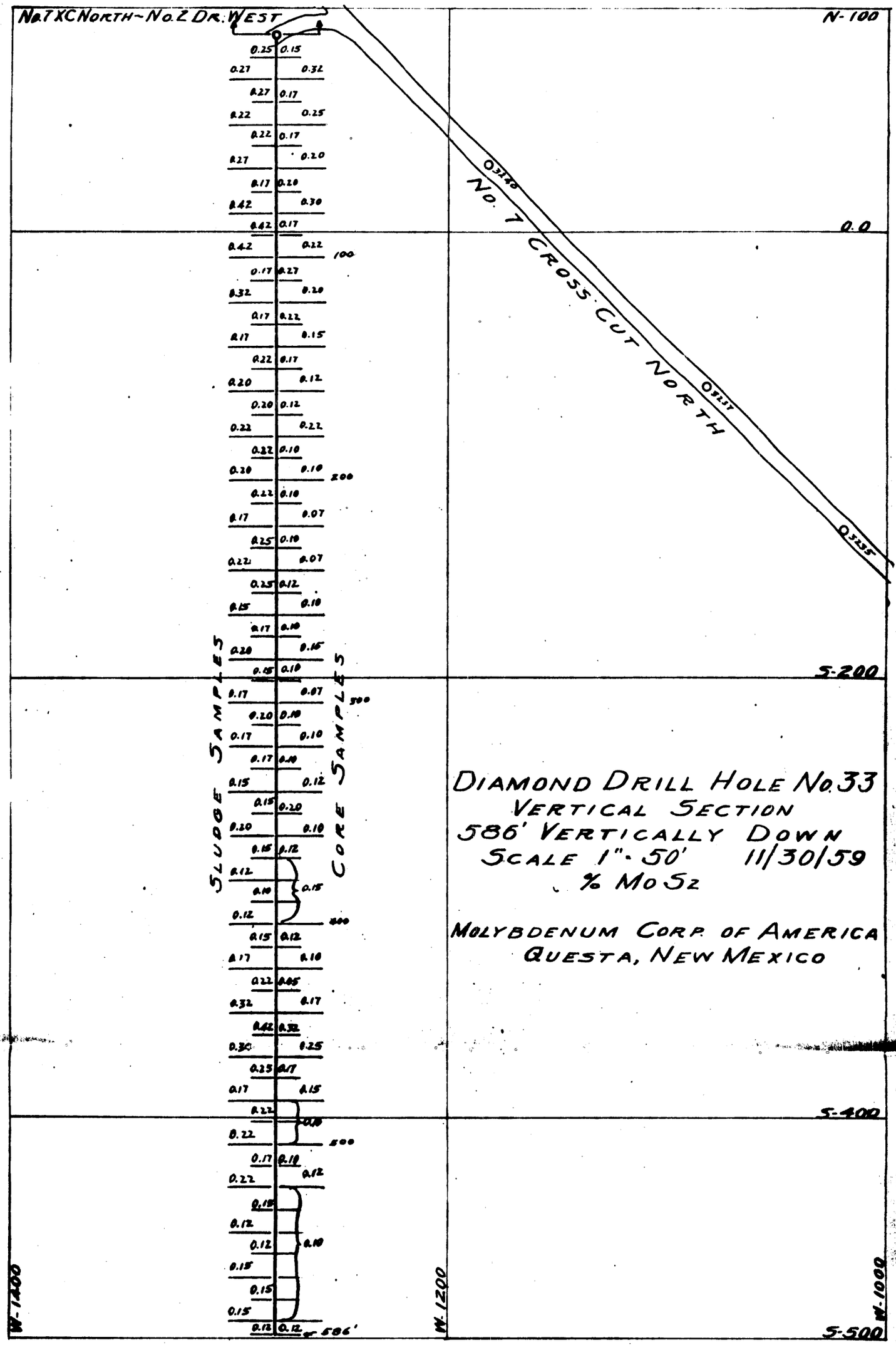
The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.


N-2000
N-1800
N-1600
N-1400
E-200
E-400
0.0
No. 2 CROSS CUT NORTH
No. 4 DRIFT WEST
No. 1 CROSS CUT NORTH-No. 4 DRIFT WEST
GEOLOGIC MAP
PERIOD 11/1/59 to 11/30/
TUNNEL SHAFT L-L LEVEL
SCALE 1"=50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2000
N-1800
N-1600
N-1400
E-200
E-400
No. 4 Drift West - No. 2 Cross Cut North
No. 1 Cross Cut North - No. 4 Drift West
0.3265
0.3264
0.3263
Face 11/20/60 1000' (2265'+00')
Timb. 11/1/60 800' (2265'+00')
Timb. 11/1/60 320' (2265'+13')
PROGRESS, TIMBER
CHIP SAMPLES
% MoS2
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-2600
N-2400
N-2200
N-2000
E-800
E-1000
E-1200
No. 1 CROSS CUT NORTH
No. 1 CROSS CUT NORTH ~ No. 3 DR. EAST
3271
3267
3266
3250
3249
3269
3270
PROGRESS & CHIP SAMPLES
PERIOD 11/1/59 to 11/30/59
% MoS2
TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


No. 1 X C North ~ No. 2 Dr. West
N-100
0.0
S-200
S-400
S-500
W-1400
W-1200
W-1000
No. 1 Cross Cut North
0.3240
0.3255
0.3235
Sludge Samples
Core Samples
0.25 0.15
0.27 0.32
0.27 0.17
0.22 0.25
0.22 0.17
0.27 0.20
0.17 0.20
0.42 0.30
0.42 0.17
0.42 0.22
100
0.17 0.27
0.32 0.20
0.17 0.22
0.17 0.15
0.22 0.17
0.20 0.12
0.20 0.12
0.22 0.22
0.22 0.10
0.20 0.10
200
0.22 0.10
0.17 0.07
0.25 0.10
0.22 0.07
0.25 0.12
0.15 0.10
0.17 0.10
0.20 0.16
0.15 0.10
0.17 0.07
300
0.20 0.10
0.17 0.10
0.17 0.10
0.15 0.12
0.15 0.20
0.20 0.10
0.15 0.12
0.12
0.10
0.15
0.12
400
0.15 0.12
0.17 0.10
0.22 0.05
0.32 0.17
0.42 0.32
0.30 0.25
0.25 0.17
0.17 0.15
0.22
0.10
0.22
500
0.17 0.10
0.22 0.12
0.10
0.12
0.12
0.10
0.15
0.15
0.15
0.12 0.12
586'
Diamond Drill Hole No. 33
Vertical Section
586' Vertically Down
Scale 1" = 50'
11/30/59
% MoS2
Molybdenum Corp. of America
Questa, New Mexico

Core Log Diamond Drill Hole no 13
Date Drilled 10/9/59 To 11/13/59
% Core Recovery 36.68

	Reference From	To	Core SPL no	Core wt lb	oz	Core % Rec	Core % moisture	Slender SPL no	Slender % moisture	Remarks
1	0	10	754	9	4	2114	0.15	756	0.25	Transition
2	10	13		10	8	8100				"
3	13	14		4	2	9429				"
4	14	16		3	10	4143				"
5	16	18		6	14	5286				"
6	18	20		2	10	3000				"
7	10	20	750	26	12	6114	0.32	757	0.27	
8	20	21		3	4	7429				"
9	21	22		2	6	5429				"
10	22	25		3	6	2571				"
11	25	30		4	10	3700				"
12	20	30	776	18	10	3969	0.17	758	0.27	
13	30	33		3	-	4000				"
14	33	38		10	10	8800				"
15	38	40		1	10	3250				"
16	30	40	777	15	4	6100	0.25	759	0.22	
17	40	45		4	12	2375				"
18	45	50		3	6	6750				"
19	40	50	778	8	2	3250	0.17	760	0.22	
20	50	52		2	8	5000				"
21	52	57		4	12	6333				"
22	57	60		6	12	9000				"
23	50	60	779	14	-	5600	0.20	761	0.27	
24	60	65		10	2	8100				"
25	65	68		4	4	5667				"
26	68	70		1	6	2750				"
27	60	70	780	15	12	6300	0.20	798	0.17	
28	70	74		7	6	7375				"
29	74	79		10	6	8300				"
30	79	80		2	12	10000				"
31	70	80	781	20	8	8200	0.30	799	0.42	
32	80	84		7	8	7500				"
33	84	89		9	-	7200				"
34	89	90		2	10	10000				"
35	90	90	[illegible]	19	2	7650	[illegible]	[illegible]	[illegible]	
36	90	95		6	-	5400				"
37	95	98		10	2	8100				"
38	98	100		8	4	6570				"
39	90	100	783	19	6	7950	0.22	801	0.42	
40	100	104		3	-	3000				"
41	104	106		3	6	6750				"
42	106	110		5	8	5500				"
43	100	110	784	11	14	4750	0.27	802	0.17	
44	110	111		2	4	10000				"
45	111	113		2	12	8750				"
46	113	118		10	4	8200				"
47										

Core Log — Diamond Drill Hole no 33
Date Drilled
% Core Recovery

	Distance From	Distance To	Core SPL mm	Core Wt lb	Core Wt oz	Core % Rec	Core % Mas.	Shute SPL mm	Shute % Mas.	Remarks	
1	118	120		2	6	4500				TRANSITION	1
2	120	120	785	18	4	7500	020	803	032		2
3	120	122		4	2	8250				"	3
4	122	124		2	12	5500				"	4
5	124	130		3	14	8583				"	5
6	130	130	786	10	12	9300	022	804	017		6
7	130	133		2	4	3000				"	7
8	133	140		3	-	1714				"	8
9	130	140	787	5	4	2100	015	805	017		9
10	140	143		3	-	4400				"	10
11	143	147		2	12	2750				"	11
12	147	150		1	12	2335				"	12
13	140	150	829	7	8	3000	017	806	022		13
14	150	151		1	-	4000				"	14
15	151	152		-	12	3000				"	15
16	152	160		4	-	2000				"	16
17	159	160	829	5	12	2500	012	807	020		17
18	160	170	826	5	8	2800	012	808	020	"	18
19	170	174		5	10	5625				"	19
20	174	180		5	14	3500				"	20
21	176	180	827	11	8	4600	022	837	022		21
22	180	185		10	-	8000				"	22
23	185	190		3	-	2400				"	23
24	180	190	828	13		5200	010	838	022		24
25	190	195		2	12	2800				"	25
26	195	200		5	12	4600				"	26
27	190	200	829	8	8	3400	010	839	020		27
28	200	201		2	14	1000				"	28
29	201	210		8	4	3667				"	29
30	200	210	830	11	2	4450	010	840	022		30
31	210	219		5	4	2333				"	31
32	219	220		1	8	6000				"	32
33	210	220	831	6	12	2900	009	841	017		33
34	220	225		2	4	1800				"	34
35	[illegible]	[illegible]		10	[illegible]	[illegible]				"	35
36	225	230	832	13	-	5200	010	842	025		36
37	230	231		2	2	8500				"	37
38	231	236		2	-	5600				"	38
39	236	240		5	4	5250				"	39
40	230	240	833	14	6	6000	009	843	022		40
41	240	241		2	12	1000				"	41
42	241	250		10	10	4750				"	42
43	240	250	834	13	6	5250	012	844	020		43
44	250	251		2	8	1000				"	44
45	250	260		4	14	2167				"	45
46	250	260	835	7	6	3250	010	845	015		46
47											47

Core Log Diamond Drill Hole no 33
Date Drilled
% Core Recovery.

	Distance From	Distance To	Core SPL no	Core Wt Lb	Core Wt Oz	Core % Rec	Core % MoS2	Sludge SPL no	Sludge % MoS2	Remarks	
	260	261		1	10	6500				Transition	BX
	261	276		5	4	2333				"	"
	260	270	836	6	14	2750	010	846	017		
	275	277		2	6	4750				"	"
	277	279		2	14	4750				"	"
	279	280		2	2	8500				"	"
	270	280	861	10	14	4350	015	847	020		
	280	286		5	6	3583				"	"
	286	290		2	12	2750				"	"
10	280	290	862	8	2	3250	010	848	015		
11	290	293		2	12	3667				"	"
12	293	300		6	12	3857				"	"
13	290	300	863	9	8	3800	007	849	017		
14	300	305		1	14	1500				"	4X [redacted]
15	305	310		1	-	1600				"	"
16	300	310	864	2	14	1533	010	850	020		
17	310	315		-	14	1400				"	"
18	315	320		-	12	1200				"	"
19	310	320	865	1	10	1300	010	851	017		
20	320	325		-	12	1200				"	"
21	325	330		2	12	4400				"	"
22	320	330	866	3	8	2800	010	852	017		
23	330	335		4	6	7000				"	"
24	335	340		3	12	6000				"	"
25	330	340	985	8	2	6500	012	867	015		
26	340	341		1	2	9000				"	"
27	341	344		3	2	8333				"	"
28	344	346		-	10	2500				"	"
29	346	350		-	12	1500				Rockrock	"
30	340	350	986	5	10	4500	020	868	015		
31	350	352		2	-	2667				"	"
32	352	360		-	12	1500				Transition	"
33	350	360	987	2	12	2200	010	869	020		
34	360	369		2	[illegible]	[illegible]					
35	[illegible]	370	988	2	[illegible]	[illegible]					
36	* 370	372		-	12	0600				"	"
37	* 372	[illegible]		- 0 -		-0-				No Core	"
38	* 378	[illegible]		- 0 -		-0-		998	0.12	" "	"
39	* 380	390		- 0 -		-0-		999	0.10	" "	"
40	* 390	400		0	4	2500		1000	0.12	Transition	"
41	370	400	989	1	4	0333	015				
42	400	402		2	8	10000				Quartz	"
43	402	404		-	12	3000				"	"
44	404	410		2	-	2667				"	"
45	400	410	990	5	4	4200	012	1001	015		
46	410	412		1	4	5000				"	"

Core Log Diamond Drill Hole No 33
Date Drilled
% Core Recovery

	Distance From	Distance To	Core SPL No	Core Wt lb	Core Wt oz	Core % Rec	Core % Mass	Sludge SPL No	Sludge % Mass	Remarks	
1	412	416		1	12	3500				Porsite	PX
2	416	419		-	8	1333				"	"
3	419	420		1	-	8000				"	"
4	410	420	991	4	8	3600	010	1002	0.17		
5	420	423		1	10	4333				Transition	"
6	420	430	992	1	2	1400	005	1003	022		
7	430	434		2	2	4250				"	"
8	434	440		4	6	5833				"	"
9	430	440	993	6	8	5200	017	1004	0.32		
10	440	450	994	1	-	0800	032	1005	042	"	"
11	450	451		-	4	2000				"	"
12	451	454		3	8	3500				"	"
13	454	460		-	6	3000				"	"
14	450	460	1025	4	2	3100	0.25	1006	0.34		
15	460	461		1	-	8000				"	"
16	461	470		.0	-	.0					"
17	460	470	1026	1	-	0800	0.17	1007	0.29		
18	470	473		1	6	3667				"	"
19	473	479		1	4	1667				"	"
20	479	480		-	2	1000				"	"
21	470	480	1027	2	12	1900	0.15	1008	0.17		
22	480	489		-	4	2222				"	"
23	489	490		-	2	1000				"	"
24	480	490		-	6	3000		1009	022		
25	490	500		-	6	3000		1010	022	"	"
26	480	500	1028	-	12	3000	0.10				
27	500	505		1	4	2400				"	"
28	505	510		1	10	2600				"	"
29	500	510	1029	2	14	2300	0.10	1033	0.17		
30	510	515		1	12	2800				"	"
31	515	520		-	8	0800				"	"
32	510	520	1030	2	4	1800	0.12	1034	022		
33	520	523		-	12	2000				"	
34	523	525		-	4	[illegible]					
35	[illegible]	[illegible]		-	[illegible]	[illegible]				[illegible]	
36	521	525		-	9	[illegible]				[illegible]	
37	525	530		-	2	0200				"	
38	520	530	1031	1	6	0833	0.10				
39	530	536	1032	-	12	1000	0.12	1035	0.12	"	
40											
41	Sludge										
42	520	530						1035	015		
43	530	540						1036	012		
44	540	550						1037	012		
45	550	560						1038	015		
46	560	570						1039	015		
47	570	580						1040	015		

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPI TION

TO:	DATE	INITIALS
1. 110	12/14	[illegible]
2. Mr. Murphy 500	12/15	[illegible]
3.		
4.		
5.		
FROM: 110	12-14	gad

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C. M50943

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 195 9 Docket No. DMEA 4568 Contract No. IDM-E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	2730.00	75600.00	78330.00			
~~xxxxxxx~~ Drill Sta.	0.00	10707.63	10707.63			
Crosscutting & Drifting	7242.09	202822.95	210065.04			
~~xxxxxx~~ Timbering	504.90	8556.30	9061.20			
Analyses	426.00	7257.00	7683.00			
(2) ~~xxxxxxxxxxxxxxxx~~						
~~xxxx~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	10902.99	306443.88	317346.87	10902.99	306443.88	317346.87

OME
DEPARTMENT OF THE INTERIOR
NOV 16 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Nov. 12 1959 *Payee Molybdenum Corporation of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

DEC 14 1959
O.M.E.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 5451.50
Signature [signature] (Authorized Certifying Officer)
Date 12-9-59 Vou. No. DMEA-60-17
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Edm-E1094 in accordance with the terms of the contract.

Signature [illegible] Checked for Engineering Allowability Title Mining Engineer Date 12/4/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date DEC 7 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also; report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1959 Docket No. DMEA 4568 Contract No. IDM-E 1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
~~Raising~~ Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Shafts~~ Analyses	ea	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Winzes~~ Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
~~Churn~~				STAGE II				
Drift ~~Auger~~ Crosscut	ft	7242.09	163	165635.04	3728	44.43	6160	44.43
~~Stripping~~ Drill Sta.	ft	0.00	-0-	7553.10	170	44.43	250	44.43
~~Trenching~~ Timbering	ft	504.90	187	6544.80	2424	2.70	6160	2.70
~~Test Pits~~ Analyses	ea	426.00	142	4857.00	1619	3.00	3177	3.00
~~Roads and Trails~~ Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	2730.00	546	40795.00	8159	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		10902.99		317346.87				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Nov. 12, 1959 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

REMARKS:

OME
DEPARTMENT OF THE INTERIOR
NOV 16 1959
REGION III
DENVER, COLORADO

(For Government use only)

[signature]

DEC 14 1959
O.M.E.

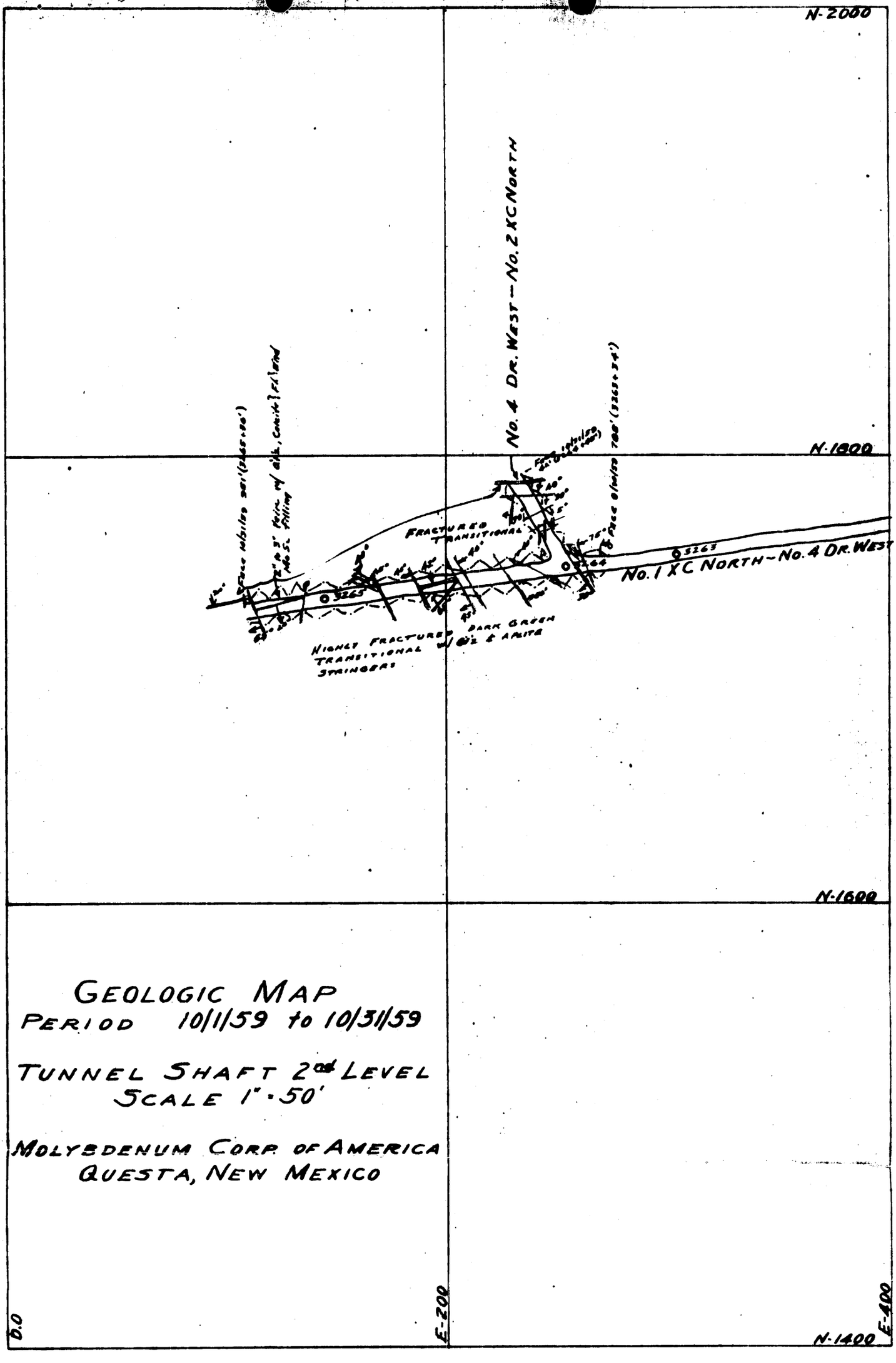
INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

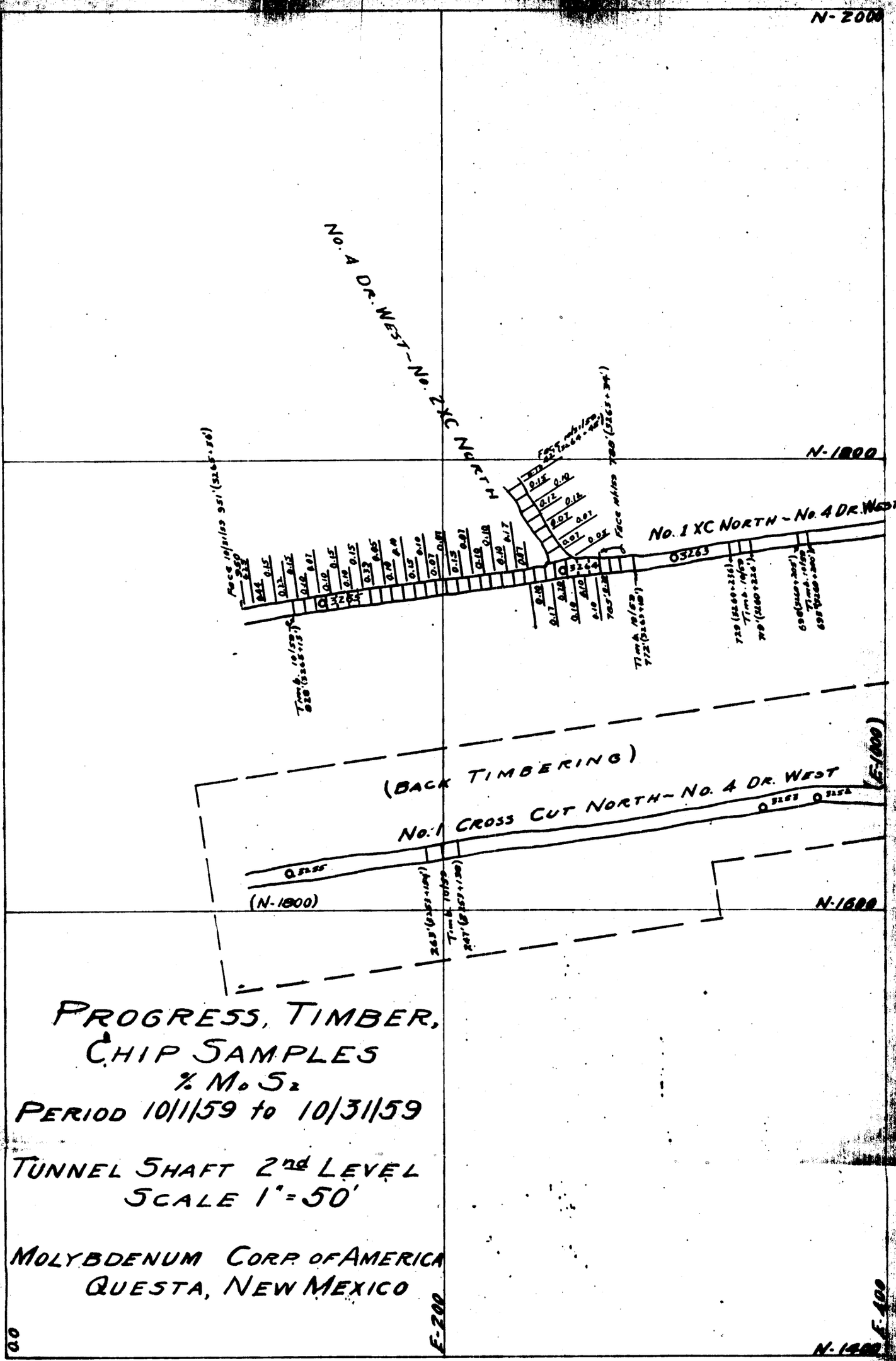


GEOLOGIC MAP
PERIOD 10/1/59 to 10/31/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

0.0



PROGRESS, TIMBER, CHIP SAMPLES

% MoS_2

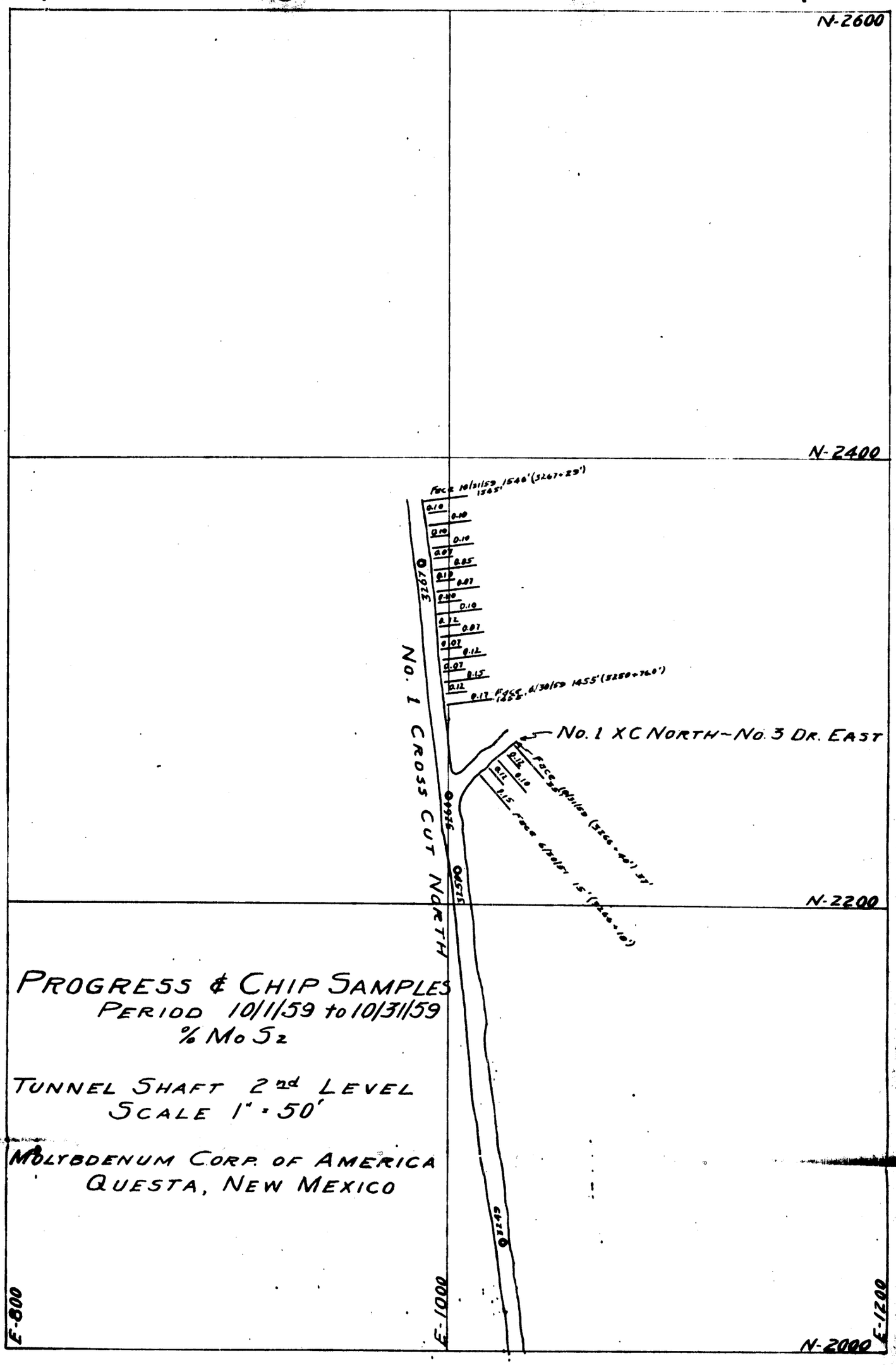
PERIOD 10/1/59 to 10/31/59

TUNNEL SHAFT 2nd LEVEL

SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA

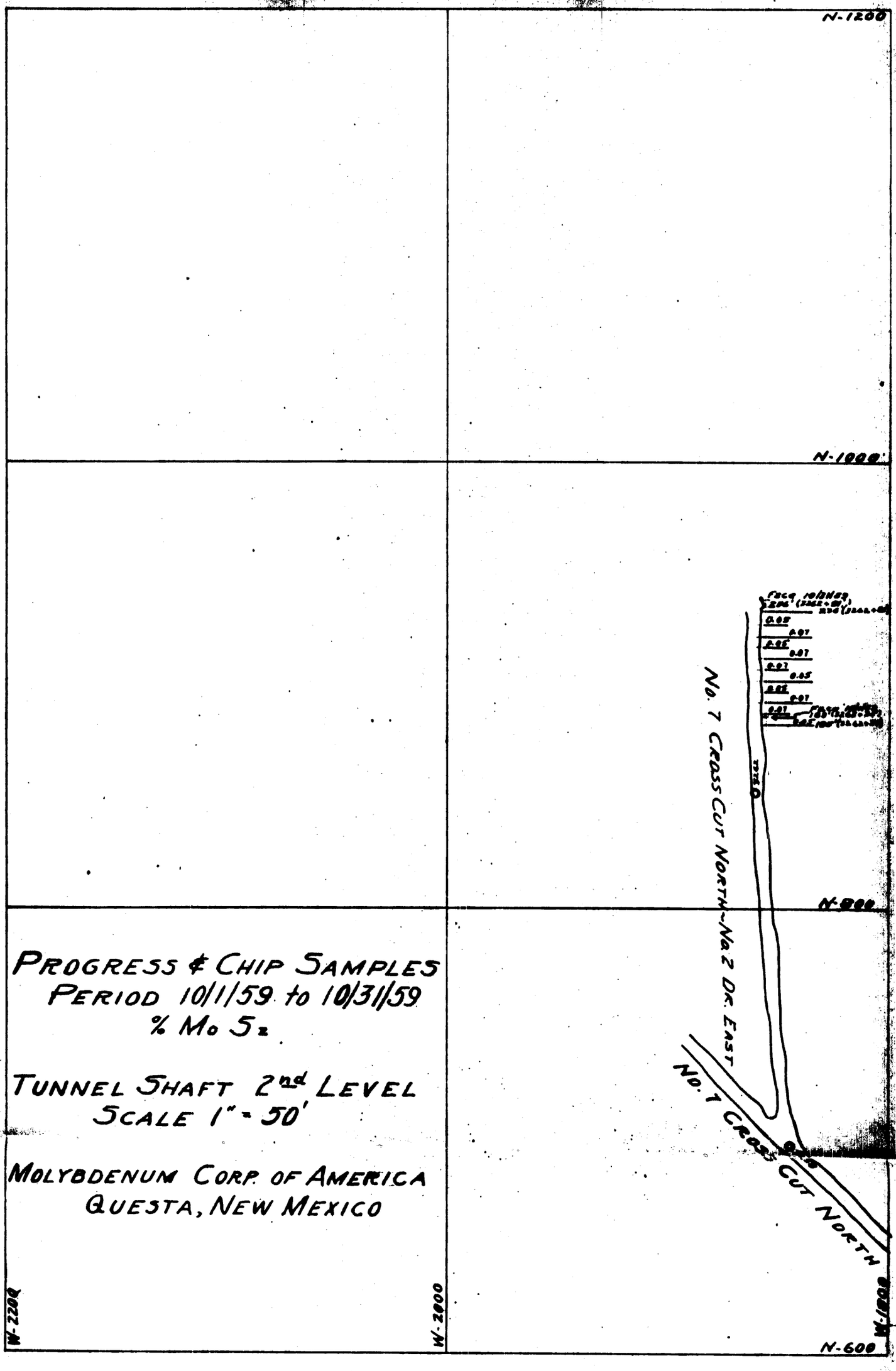
QUESTA, NEW MEXICO



PROGRESS & CHIP SAMPLES
PERIOD 10/1/59 to 10/31/59
% MoS_2

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS & CHIP SAMPLES
PERIOD 10/1/59 to 10/31/59
% Mo S_2

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

Core Log Diamond Drill Hole no 32
Date Drilled 8/29/59 To 10/8/59
% Core Recovery 28.35

	Distance From	Distance To	Core SPL no	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Moz	Sludge SPL no	Sludge % Moz	Remarks	
1	0	10	361	3	6	0771	012	463	017	Transition	NX
2	10	20	362	1	10	0371	010	464	017	"	"
3	20	26		-	14	0333				"	"
4	26	30		2	4	1286				"	"
5	20	30	363	3	2	0714	015	465	020	"	"
6	30	40	364	2	14	0657	012	466	030		
7	40	50	365	2	2	0486	010	467	047	"	"
8	50	58		4	8	2250				"	BX
9	58	60		2	12	5500				"	"
10	50	60	366	7	4	2900	020	473	030		
11	60	68		3	-	1500				"	"
12	68	70		2	-	4000				"	"
13	60	70	367	5	-	2000	010	474	017		
14	70	71		2	-	8000				"	"
15	71	80		6	6	2833				"	"
16	70	80	441	8	6	3350	0.07	475	010		
17	80	81		3	-	10000				"	"
18	81	83		4	8	9000				"	"
19	83	87		8	-	8000				"	"
20	87	90		7	-	9333				"	"
21	80	90	442	22	8	9000	0.10	476	012		
22	90	91		3	4	10000				"	"
23	91	95		8	8	8500				"	"
24	95	100		4	8	3600				"	"
25	90	100	443	16	4	6500	012	477	012		
26	100	106		3	4	2167				"	"
27	106	110		3	10	3625				"	"
28	100	110	444	6	14	2750	0.07	478	010		
29	110	113		3	-	4000				"	"
30	113	118		3	6	2700				"	"
31	118	120		3	-	6000				"	"
32	110	120	445	9	6	3750	0.10	479	012		
33	120	123		3	4	4333				"	"
34	123	126		3	6	4500				"	"
35	126	130		5	10	5625				"	"
36	120	130	446	12	4	4900	022	480	017		
37	130	131		2	14	10000				"	"
38	131	136		10	-	7500				"	"
39	136	140		4	2	4125				"	"
40	130	140	447	17		6800	010	481	017		
41	140	141		3	10	10000				"	"
42	141	143		2	12	5500				"	"
43	143	148		6	14	5500				"	"
44	148	150		3	12	7500				"	"
45	140	150	448	17	-	6800	012	482	017		
46	150	153		3	-	4000				"	"
47											

Core Log
DATE Drilled
% Core Recovery

Diamond Drill Hole no 32

	Distance From	Distance To	Core Spl no	Core Wt Lb	Core Wt oz	Core % Rec	Core % Moss	Sludge Spl no	Sludge % Moss	Remarks	
1	153	158		3	12	3000				Transition	BX
2	158	160		4	6	8750				"	"
3	150	160	449	11	2	4450	012	483	017		
4	160	163		5	6	9167				" Some Quartz	"
5	163	167		6	4	6250				" " "	"
6	167	170		1	4	1667				" " "	"
7	160	170	450	12	14	5150	015	484	020	"	
8	170	172		1	8	3000				"	"
9	172	177		10	8	8400				"	"
10	177	180		3	4	4833				"	"
11	170	180	451	15	10	6250	007	485	022		
12	180	186		7	8	5000				"	"
13	186	190		5	-	5000				"	"
14	180	190	452	12	8	5000	007	486	027		
15	190	196		5	2	3417				"	"
16	196	200		5	4	5250				"	"
17	190	200	453	10	6	4150	007	487	020		
18	200	201		2	-	8000				"	"
19	201	206		9	-	7200				"	"
20	206	207		8	8	10000				"	"
21	207	210		5	4	7000				"	"
22	200	210	454	18	12	7500	012	488	015		
23	210	213		3	4	4333				Quartz-Moss	"
24	213	219		7	-	4667				" "	"
25	219	220		4	2	10000				Transition	"
26	210	220	468	14	6	5600	020	489	022		
27	220	228		3	-	1500				"	"
28	228	230		1	12	3500				Quartz	"
29	220	230	469	4	12	1900	012	490	042		
30	230	232		2	4	4500				"	"
31	232	237		2	8	2000				"	"
32	237	240		2	-	2667				"	"
33	230	240	470	6	12	2700	015	500	027		
34	240	244		2	-	2000				"	"
35	244	249		2	8	2000				"	"
36	249	250		1	4	5000				"	
37	240	250	471	5	12	2300	010	501	020	Transition	"
38	250	253		1	-	1333				Transition	
39	253	257		4	6	4875				"	"
40	257	260		5	2	6833				"	"
41	250	260	472	10	8	4200	010	502	025		
42	260	262		3	8	4000				"	"
43	262	267		8	8	6800				"	"
44	267	270		5	4	7000				"	"
45	260	270	473	17	4	5700	010	503	022		
46	270	271		8	-	10000				"	"

Core Log
Date Drilled
% Core Recovery

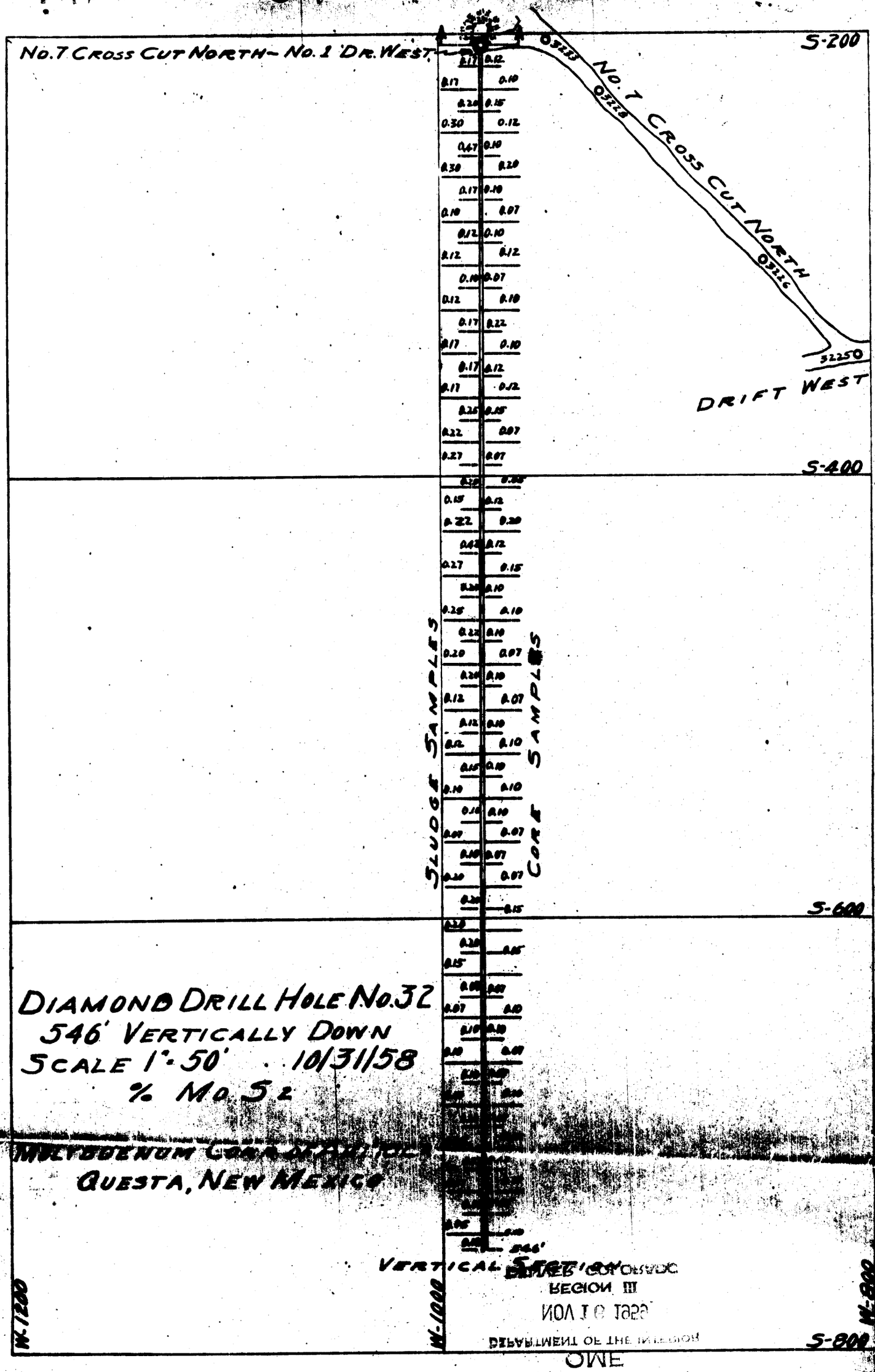
Diamond Drill Hole no 32

	Distance From	Distance To	Core SPL %	Core Wt Lb	Core Wt Oz	Core % Rec	Core % MOSz	Sludge SPL %	Sludge % MOSz	Remarks	
1	271	274		3	6	1688				Transition	BX
	279	280		1	12	7000				"	"
	270	280	496	8	2	3250	0.07	504	0.20		
	280	289		2	14	1278				"	"
	289	290		-	12	3000				"	"
	280	290	497	3	10	1450	0.10	505	0.20		
	290	295		2	4	1800				Porphyry	"
	295	300		3	4	2600				"	"
	290	300	498	5	8	2200	0.07	506	012		
10	300	302		1	6	5300				"	BX
11	302	306		1	14	3750				"	"
12	306	310		1	-	2000				"	"
13	300	310	499	4	4	3400	0.10	507	0.12		
14	310	312		-	12	3000				"	"
15	312	318		2	-	2667					
16	318	320		-	4	1000				"	"
17	310	320	626	3	-	2400	0.10	508	0.12		
18	320	326		-	12	1000				"	"
19	326	329		-	12	2000				"	"
20	329	330		-	12	6000				"	"
21	320	330	627	2	4	1800	0.10	509	0.15		
22	330	337		1	2	1286				"	"
23	337	340		-	4	0667				"	"
24	330	340	628	1	6	1100	0.10	563	0.10		
25	340	341		-	6	3000				"	"
26	341	346		1	4	2400				"	"
27	346	350		-	10	1250				"	"
28	340	350	629	2	4	1800	0.10	564	0.10		
29	350	355		1	2	1800				"	"
30	355	360		1	4	2000				"	"
31	350	360	630	2	6	1900	0.07	565	007		
32	360	370	631	-	12	0600	007	566	010	"	"
33	370	373		-	10	1667				"	"
34	373	380		-	6	0425				"	"
	370	380	632	1	-	0800	0.07	567	020		
36	380	385		-	4	0400				"	"
37	385	390		-	2	0200				"	"
38	380	390	633	-	6	0800	0.15	589	020	"	"
39	390	391		-	2	1000				"	"
40	391	400		-	10	0536				"	"
41	390	400	-	-	12	0600	-	590	020	"	"
42	390	400		1	2	0430					
43	400	401		-	4	0200				"	"
44	401	405		-	2	0250				"	"
45	405	410		-	2	0200				"	"
46	400	410	-	-	8	0400	-	591	020		
47											

Core Log
Date Drilled
% Core Recovery

Diamond Drill Hole no 92

	Distance From	Distance To	Core SPL no	Core wt lb	Core wt oz	Core % Rec	Core % mass	Sludge SPL no	Sludge % mass	Remarks	
1	410	420		-	2	0100		592	015	Porphyry	AX
	410	420	634	-	10	0250	005			"	"
3	420	421		-	2	1000				"	"
4	421	422		-	2	1000				"	"
5	422	426		1	4	2500				"	"
6	426	430		-	2	0250				"	"
7	420	430	635	1	12	1400	007	620	007		
8	430	432		-	4	1000				"	"
9	432	434		-	6	1500				"	"
10	434	439		-	10	1000				"	"
11	439	440		-	6	3000				"	"
12	430	440	743	1	10	1300	010	621	007		
13	440	447		-	6	0750				"	"
14	444	450		-	8	0667				"	"
15	440	450	744	-	14	0700	010	622	010		
16	450	457		1	4	2857				"	"
17	457	460		-	8	1333				"	"
18	450	460	745	1	12	1400	007	623	010		
19	460	462		-	12	3000				"	"
20	462	467		1	2	1800				"	"
21	467	469		-	4	1000				"	"
22	469	470		-	4	2000				"	"
23	460	470	746	2	6	1900	007	624	010		
24	470	479		-	8	0571				"	"
25	479	480		-	10	1667				"	"
26	470	480	747	1	2	0900	010	625	010		
27	480	482		-	6	1500				"	"
28	482	487		-	12	1200				"	"
29	487	489		-	4	1000				"	"
30	487	490		-	4	2000				"	"
31	480	490	748	1	10	1300	007	626	010		
32	490	491		-	2	1000				"	"
33	491	494		1	4	3333				"	"
34	494	497		-	4	0750				"	"
35	497	500		-	6	1000				"	"
36	490	500	749	2	-	1600	007	729	005		
37	500	505		-	12	1200				"	"
38	505	510		-	6	0600				"	"
39	500	510	750	1	2	0900	007	728	007		
40	510	520	751	-	19	0700	010	729	007	"	"
41	520	524		-	14	1750				Greenrock (Mud)	"
42	524	530		-	4	3333				" to 527 Then Porphyry	
43	520	530	752	1	2	0900	006	730	005	Porphyry	"
44	530	540		-	12	0600		731	005	"	"
45	540	546		-	6	0500		753	010	"	"
46	540	546	753	1	2	0663	010			"	"
47											


No. 7 Cross Cut North – No. 1 Dr. West
No. 7 Cross Cut North
Drift West
Sludge Samples
Core Samples
S-200
S-400
S-600
S-800
N-1200
N-1000
N-800
546'
Diamond Drill Hole No. 32
546' Vertically Down
Scale 1" = 50'
10/31/58
% Mo. S2
Molybdenum Corporation
Questa, New Mexico
Vertical Section

OME
DEPARTMENT OF THE INTERIOR
NOV 16 1959
REGION III
DENVER, COLORADO

DISTRIBUTION MADE
DEC 11 1959

Building 20 - Federal Center
Denver 25, Colorado
December 7, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4368 (Molybdenum) Contract Idm-21094
Molybdenum Corporation of America (Moly or Questa mine)
Taos County, New Mexico

Enclosed are the original and four copies of Forms MF-104 and MF-104A, Operator's narrative report, and Engineer's inspection report for the month of October 1959.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form of contract on Form MF-200A; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by

J. W. Townsend

Enclosures

JWT:ltm

cc: Chem. Op/Comm. (2)
MF-104 file, Reg. III
OME/DPC
Hasler w/cpy Engr's. rept.
Chron.

EXTRA COPY
O. M. E
RECEIVED DEC 14 1959

DATE	INITIALS	CODE

EXTRA COPY O. M. E RECEIVED DEC 14 1959		
DATE	INITIALS	CODE

Building 20 - Federal Center
Denver 25, Colorado
December 7, 1959

Memorandum

TO: J. W. Townsend, Executive Officer, OME Field Team, Region III

From: T. N. Romalo

Subject: Progress Report for October, 1959, Docket No. DMEA 4568 (Molybdenum) Contract No. Idm-K1094, Molybdenum Corporation of America (Moly or Questa mine) Taos County, New Mexico

On December 3, 1959, I visited the Moly mine and checked progress for the reporting period in explorations authorized by the subject contract. Underground inspections were made with Irvin Sackett, mine engineer. Diamond drill core and maps were inspected at the mine office with A. L. Grealin, Manager.

The inspections revealed that progress for October 1959 was as shown below and as reported in the attached Operator's report. They also showed that each item of work was completed in accordance with the contract's specifications.

Drifting

Drifting was confined to 163 feet of advance in No. 4 Drift West. The face of the drift at the end of the period reportedly was 36 feet ahead of survey station No. 3265. Of the 1000 feet of allowable advance in this drift, 951 feet has now been completed.

Timbering

A total of 187 lineal feet of No. 4 Drift West was supported with timber sets. The 187 feet included 156 feet of October advance and 31 feet of advance for the previous month.

Analyses

A total of 142 samples were assayed for MoS_2. The 142 samples included 34 from No. 4 Drift West and 108 (54 of each core and sludge) from diamond drill hole No. 32.

No extensive zones of significant mineralization were indicated by the sampling.

Core Drilling

Diamond drill No. 32 was completed at a depth of 546 feet.

Other Work

Other contract work in progress was confined to diamond drill hole No. 33.

Non-contract work was largely confined to drifting at 4 locations. Assay maps of the drifts are included with the Operator's report.

ANALYSIS OF THE OPERATOR'S REPORT

Form MP-104

Drilling - The $8,730.00 is for the authorized 546 feet of advance in diamond drill hole No. 32 at the specified rate of $5.00 per foot.

Drifting - The $7,242.09 is for the authorized 163 feet of advance in No. 4 Drift West at $44.43 per foot.

Timber - The $504.00 is for the authorized 187 feet of advance in No. 4 Drift West at $2.70 a foot.

Analyses - The $486.00 is for the authorized analyses of the 34 samples from No. 4 Drift West and 108 samples from diamond drill hole No. 32 at $3.00 per sample.

Totals - The totals, $10,902.99, $506,443.88 and $517,346.87, appear to be correct.

Form MP-104A

The form appears to have been properly completed. The total costs are in agreement with those of Form MP-104.

Narrative Report

The narrative report with maps is acceptable.

T. M. Romslo

T. M. Romslo

TMR:ltm

cc: 6
Chron.

EXTRA COPY
O. M. E.
RECEIVED DEC 14 1959

DATE	INITIALS	CODE

C O N T E N T S

October 1959

1. Narrative Report
2. Form MF 104a
3. Form MF 104
4. Geology Map - No. 4 Drft W
5. Progress - Timber & Chip Sample Map - No. 4 Drft W
6. Progress - Chip Sample Map - No. 1 CxN
7. Progress - Chip Sample Map - No. 7 CxN No. 2 Drft E
8. Diamond Drill Log - Hole No. 32
9. Map - Diamond Drill Hole No. 32

NARRATIVE REPORT

October 1959

EXTRA COPY
O. M. E.
RECEIVED DEC 14 1959
DEPARTMENT OF THE INTERIOR
OME
NOV 16 1959
REGION III
DENVER, COLORADO

DATE	INITIALS	CODE

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team, Region III
Building 20, Federal Center
Denver 25, Colorado

RE: Docket No. IMKA 4568 (Molybdenum)
Contract No. IDM-E 1694
Molybdenum Corporation of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period October 1 through October 31, 1959 there were 27 working days, 4 Sundays. The mine was worked 27 days on a two shift basis. There were 2 shifts lost in drifting in No. 4 Dft W and 1/2 shift lost on the drilling. We had to do some work on the shaft and were unable to hoist during this time.

Diamond drill hole No. 32 was completed on October 8th at 546 feet. We were unable to drill any deeper due to mud seams and caving in the hole.

We are drilling in hole No. 33. It was down to 400 feet on October 31st.

There were 163 feet of advance in No. 4 Dft W. This was in transition rock.

There were 187 feet of timbering in No. 4 drift west. This was in transition rock.

There were 187 feet of timbering in No. 4 drift west. 156 feet of this was in advance made this month and 31 feet was in work done previous to this month.

Work was carried on in No. 7 CxN, No. 2 Dft E, No. 1 CxN and No. 1 CxN No. 2 Dft E during this period.

Yours very truly,

A. S. Gresham

Form MF-104A
(April 1952)

[redacted]et Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1959 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	Spl	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Crosscut	ft	10529.91	237	158392.95	3565	44.43	6160	44.43
Drill Sta.	ft	1021.89	23	7553.10	170	44.43	250	44.43
Timbering	ft	245.70	91	6039.90	2237	2.70	6160	2.70
Analyses	Spl	141.00	47	4431.00	1477	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	0.00	-0-	38065.00	7613	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		11938.50		306443.88				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 10/19/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

OME
DEPARTMENT OF THE INTERIOR
OCT 20 1959
REGION III
DENVER, COLORADO

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

NOV 2 1959
O.M.E.

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1959 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	-0-	75600.00	75600.00			
~~Bulldozing~~ ~~xxxxx~~ Drill Sta.	1021.89	9685.74	10707.63			
Crosscutting & Drifting	10529.91	192293.04	202822.95			
~~xxxxx~~ Timber	245.70	8310.60	8556.30			
Analyses	141.00	7116.00	7257.00			
(2) ~~xxxxxxxxxxxxxxxx~~:						
~~xxxx~~ Ream Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	11938.50	294505.38	306443.88	11938.50	294505.38	306443.88

OME
DEPARTMENT OF THE INTERIOR
OCT 20 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/19/59 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 5969.25
Signature [signature] (Authorized Certifying Officer)
Date 10/27/59 Vou. No. 60-17
(See other side)

O.M.E.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Jum-E 1094 in accordance with the terms of the contract.

Signature [illegible] Checked by Engineering Availability Title Mining Engineer Date 10/22/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date OCT 26 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

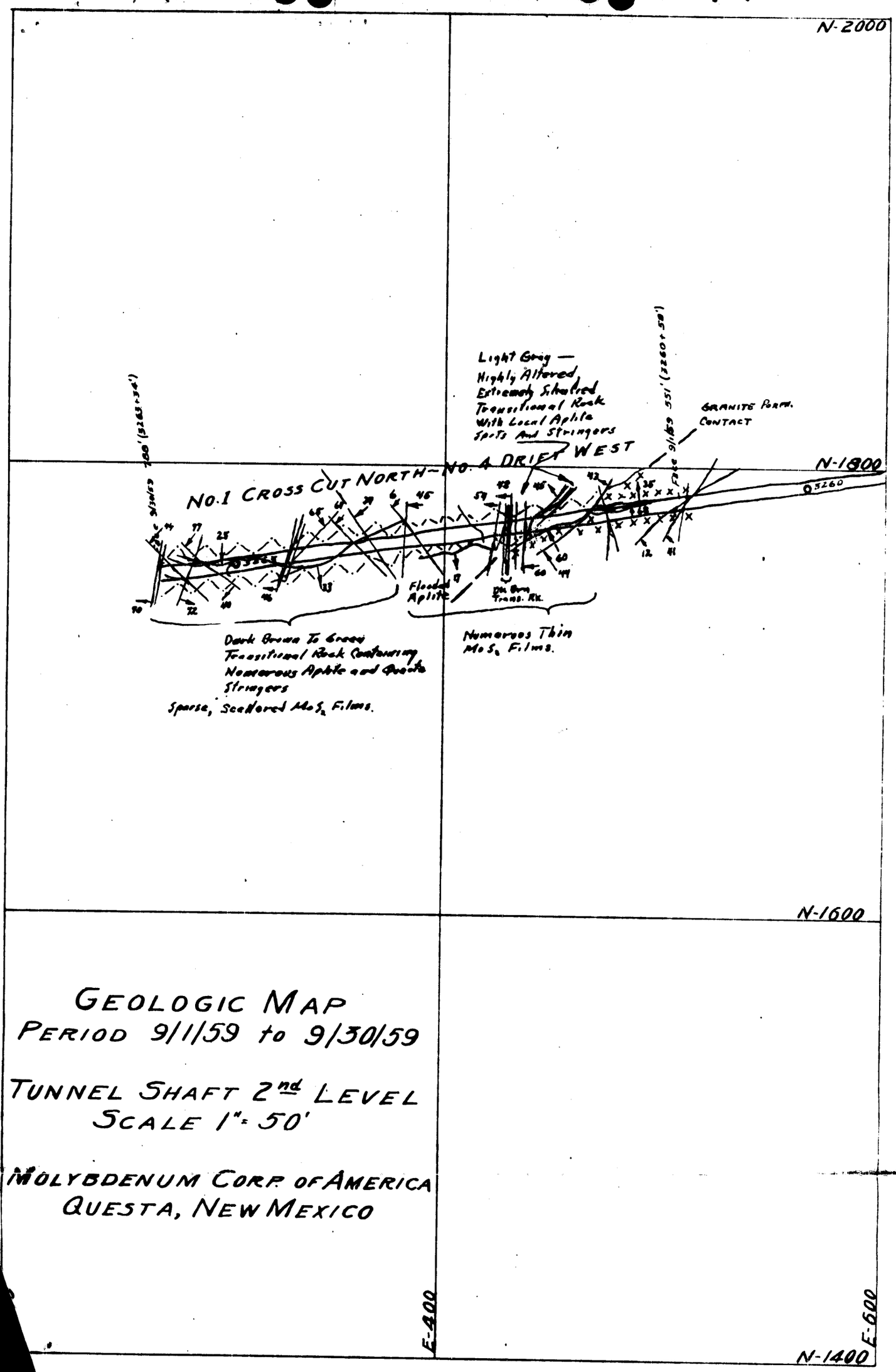
Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

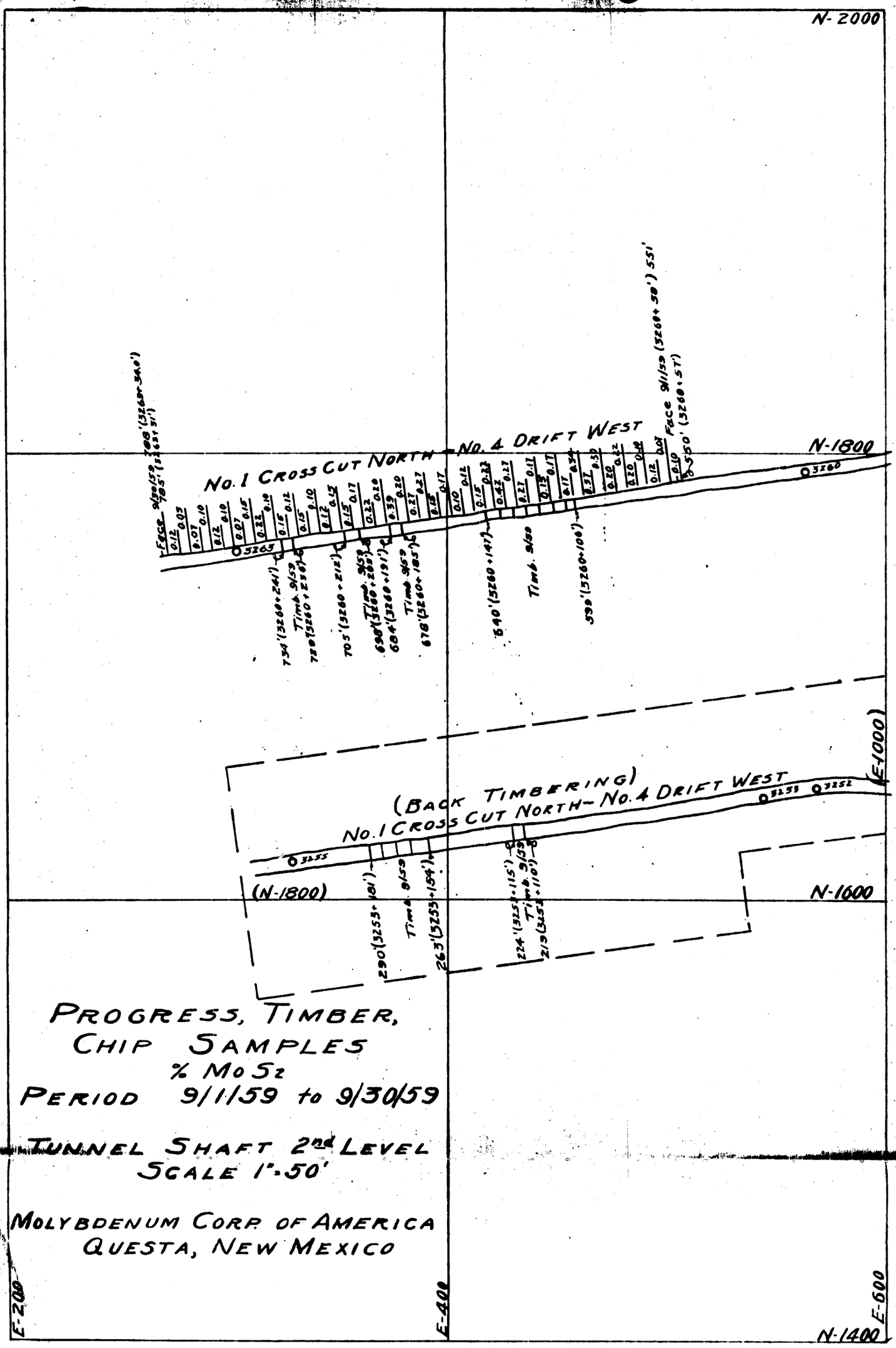
Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.



GEOLOGIC MAP
PERIOD 9/1/59 to 9/30/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

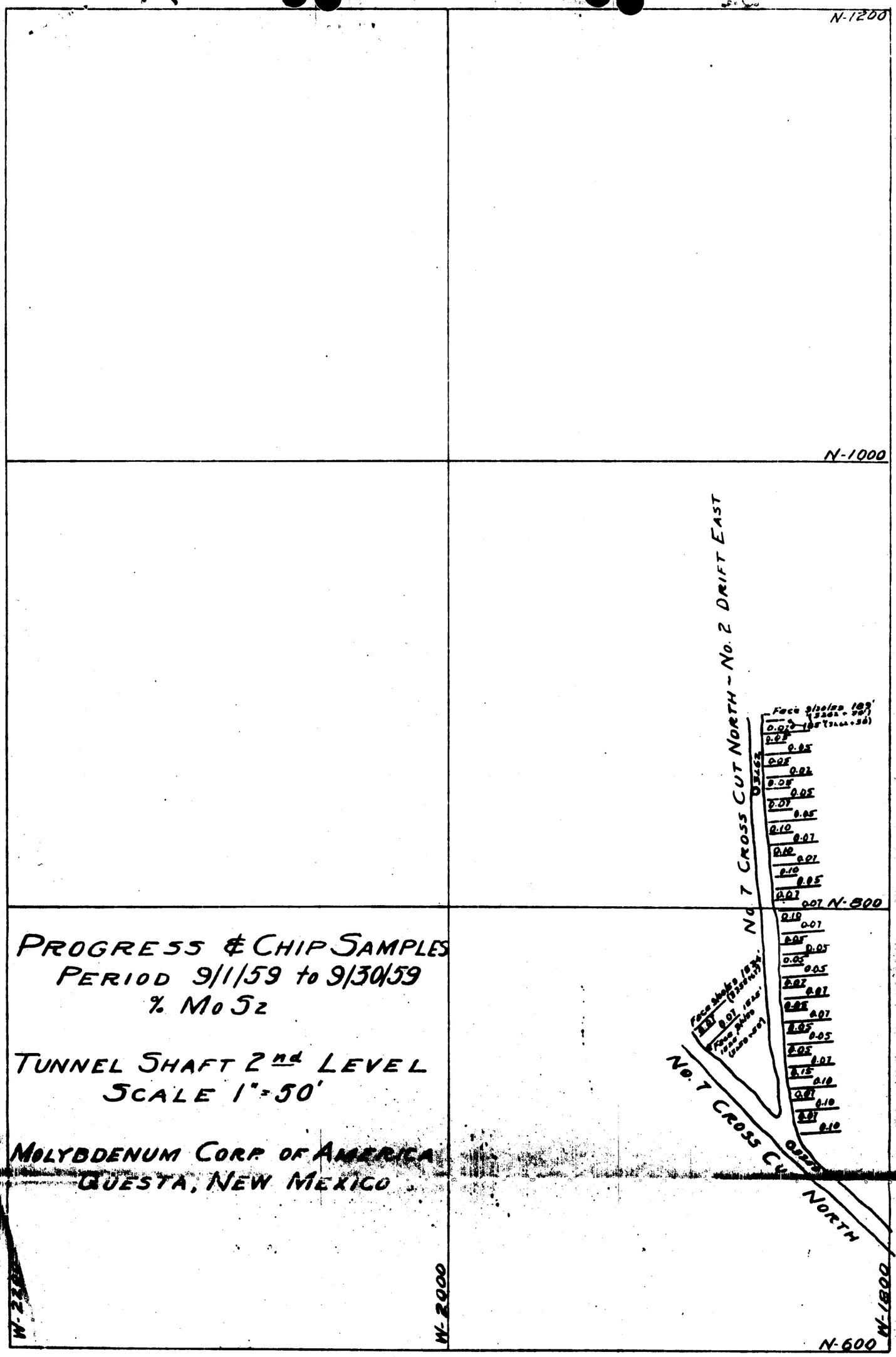
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS, TIMBER,
CHIP SAMPLES
% MoS_2
PERIOD 9/1/59 to 9/30/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1"=50'

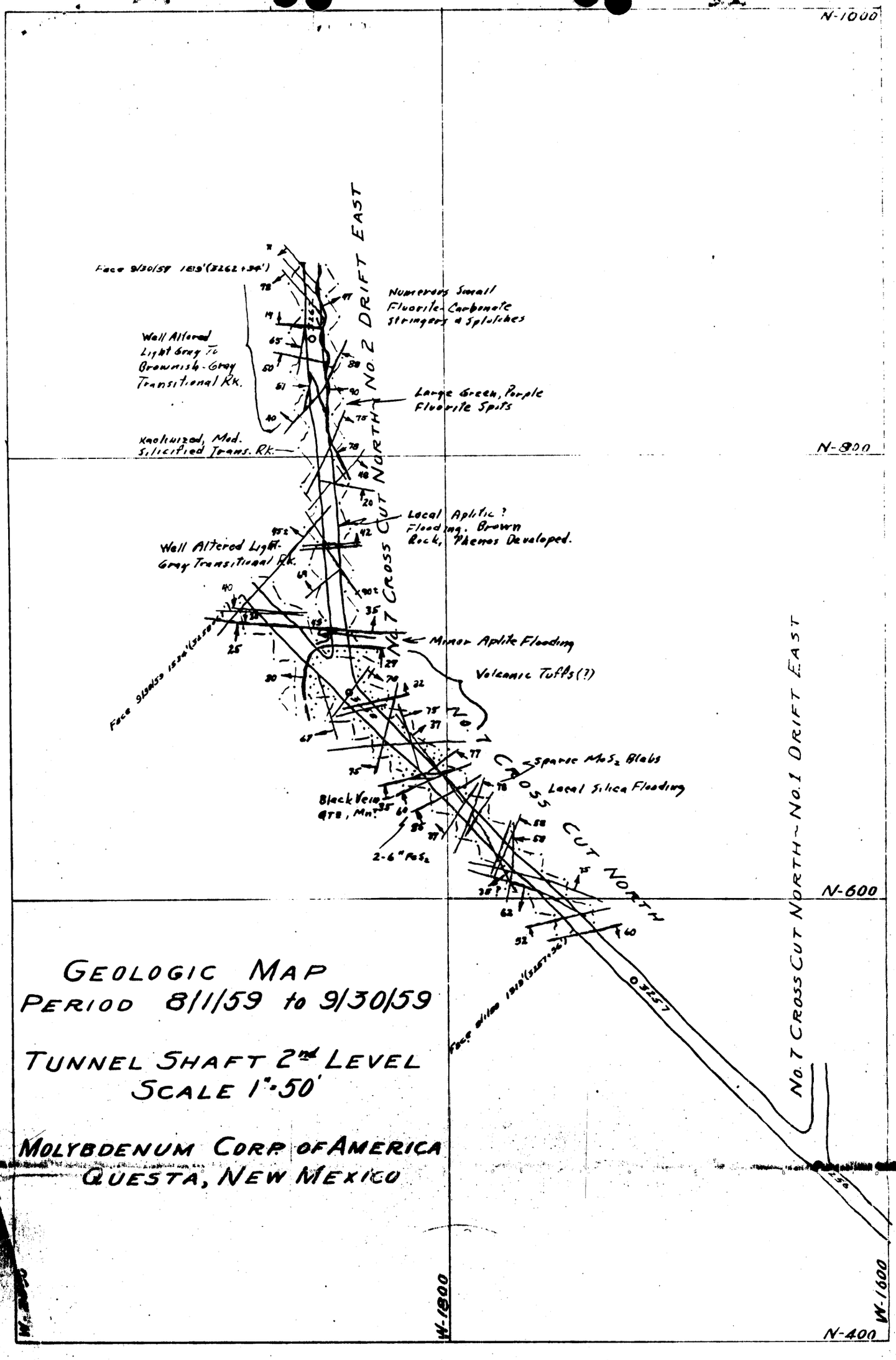
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS & CHIP SAMPLES
PERIOD 9/1/59 to 9/30/59
% MoS_2

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO


N-1000
N-800
N-600
N-400
W-1800
W-1600
No. 2 DRIFT EAST
No. 7 CROSS CUT NORTH
No. 7 CROSS CUT NORTH
No. 1 DRIFT EAST
Face 9/30/59 1813'(3262+34')
Numerous Small Fluorite-Carbonate Stringers & Splotches
Well Altered Light Gray To Brownish-Gray Transitional Rk.
Large Green, Purple Fluorite Spots
Kaolinized, Med. Silicified Trans. Rk.
Local Aplitic ? Flooding. Brown Rock, Phenos Developed.
Well Altered Light-Gray Transitional Rk.
Minor Aplite Flooding
Volcanic Tuffs(?)
Face 9/26/59 1594'(3250)
Sparse MoS_2 Blebs
Local Silica Flooding
Black Vein QTZ, Mn?
2-6" FeS_2
Face 9/26/59 1919'(3257+36')
GEOLOGIC MAP
PERIOD 8/1/59 to 9/30/59
TUNNEL SHAFT 2nd LEVEL
SCALE 1"=50'
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

FINAL DISTRIBUTION
MAD OCT 28 1959

Building 20 - Federal Center
Denver 25, Colorado

October 26, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Project No. DMSA 4568 (Molybdenum) Contract IDm-R1094
Molybdenum Corporation of America (Moly or Questa mine)
Taos County, New Mexico

Enclosed are the original and four copies of Forms MF-104 and MF-104A, Operator's narrative report, and Engineer's inspection report for the month of September 1959.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form of contract on Form MF-800A; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by

J. W. Townsend

JWT:ltm

cc: Chmn. Op. Comm. (2)
MF-104 file, Reg. III
OME/DFC
Hasler w/cpy Engr's. rept.
Chron.

EXTRA COPY
O. M. E.
RECEIVED NOV 2 1959

DATE	INITIALS	CODE
11-2	gad	VVO
"	[illegible]	110
"	[illegible]	500

C O N T E N T S

September 1959

1. Narrative Report
2. Form MF-104A
3. Form MF-104
4. Geology Map - No. 4 Drft W
5. Progress, Timber & Chip Sample Map - No. 4 Drft W
6. Progress & Chip Sample Map - No. 7 CxN-No. 2 Drft E
7. Geology Map - No. 7 CxN - No. 2 Drft E

NARRATIVE REPORT

SEPTEMBER 1959

OME
DEPARTMENT OF THE INTERIOR
OCT 20 1959
REGION III
DENVER, COLORADO

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team, Region III
Building 20 - Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IDM-H1094
Molybdenum Corp. of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period September 1 through September 31, 1959 there were 25 working days, 4 Sundays and one holiday (Labor Day). The mine was worked 25 days on a two shift basis.

Diamond drilling was done in hole No. 32. This hole was completed on October 8th to a depth of 546 feet where it had to be stopped due to mud seams etc.

Diamond drilling was carried on part of the month on the surface. We have stopped the surface drilling for awhile.

There were 237 feet of advance in No. 4 drift west during this period. This was in Porphyry for the first 145 feet then in transition rock.

There were 91 feet of timbering in No. 4 Drft W. 59 feet of this was in advance work done during September and 32 feet of this was done in work done in July 1959.

There were two drill stations prepared during this period. No. 32 and No. 33. There were 11 feet of raising in drill station No. 32 and 12 feet of raising in drill station No. 33.

Yours very truly,

A. K. McLaughlin

EXTRA COPY
O. M. E.
RECEIVED NOV 2 1959

DATE	INITIALS	CODE

Building 20 - Federal Center
Denver 25, Colorado

October 22, 1959

Memorandum

TO: J. W. Townsend, Executive Officer, OME Field Team, Region III

From: Z. N. Rumlo

Subject: Progress Report for September 1959, Docket No. DMEA 4568 (Molybdenum) Contract No. Ilm-R1094, Molybdenum Corporation of America (Moly or Questa mine) Taos County, New Mexico

An inspection of the project workings of the captioned contract which was made by the writer and Irvin Bachett, Mine Engineer, October 15, 1959, revealed that progress for the reporting period was as recorded in the attached Operator's report. The writer also obtained from A. L. Grenlin, Manager, information relative to; findings of the project work; other work accomplished, and a forthcoming request for approval of additional explorations.

The following authorized work was completed during September 1959 and has been charged for on Form MF-104.

Drill Stations

A total of 23 feet of raising, 11 feet for drill station No. 32 and 12 feet for drill station No. 33, was completed.

Drifting

No. 4 Drift West was driven an additional 237 feet to a point 295 feet ahead of survey station No. 3060. A total of 708 feet of the authorized 1000 feet of advance in this drift had been completed at the end of the reporting period.

Timbering

A total of 91 linear feet of No. 4 Drift West was supported with timber sets. A minimum cross-section of 5 feet by 7 feet in clear of timber was maintained.

Analyses

A total of 47 samples, taken from No. 4 Drift West in accordance with contract specifications, were analyzed for MoS_2.

The assays of the 47 samples which were taken along the north wall of the drift for a total of 235 feet averaged approximately 0.177 percent MoS_2.

Other Work

Other contract work in progress was confined to the diamond drilling of hole No. 32. Non-contract work was confined to the driving of No. 2 Drift East and some diamond drilling from the surface.

ANALYSIS OF THE OPERATOR'S REPORT

Form MP-104

Drill Stations - The $1081.89 is for the authorized 23 feet of raising in diamond drill stations Nos. 32 and 33 at the specified rate of $44.43 a foot.

Drifting - The $10,589.91 is for the authorized 237 feet of advance in No. 4 Drift West at $44.43 per foot.

Timbering - The $245.70 is for the authorized 91 feet of timbering in No. 4 Drift West at $2.70 per foot.

Analyses - The $141.00 is for the authorized analyses of the 47 samples from No. 4 Drift West at $3.00 per sample.

Totals - The totals, $11,958.50, $294,505.38 and $306,443.88, appear to be correct. The $3.00 error noted in previous reports has been picked up.

Form MP-104A

The form appears to have been properly completed. Errors in the costs and units of work of previous reports have been corrected.

Narrative Report

The narrative report with attached maps is acceptable.

T. W. Romalo

TWR:ltm

cc: 6
Caron.

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of AUGUST, 1959 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	3635.00	71965.00	75600.00			
~~Blocking~~ Drill Sta.	533.16	9152.58	9685.74			
Crosscutting ~~Drifting~~	9152.58	183140.46	192293.04			
~~Timber~~ Timber	135.00	8175.60	8310.60			
Analyses	342.00	6777.00	7119.00			
(2) ~~Management Supervision~~:						
~~Labor~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	13797.74	280710.64	294508.38	13797.74	280,707.64	294,505.38

RECEIVED
DEPARTMENT OF THE INTERIOR
SEP 14 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date ~~9/12~~ 9/12 *Payee Molybdenum Corp. of America
Per G. W. Gresham Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 6898.87
Signature RRO (Authorized Certifying Officer)
Date 9-22-59 Vou. No. DMEA 608
(See other side)

(For Government use only)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1094 in accordance with the terms of the contract.

Checked for Engineering Allowability

Signature T M Ramsdale Title Mining Engineer Date 9-16-59

Approval by DMEA Executive Officer or Alternate:

Signature J W Fernald Title Executive Officer Date SEP 18 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

SEP 28 1959

Month of August 1959 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract Units	Authorized by Contract Unit Costs
				STAGE I				
Drifting	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Crosscutting xxxxxxx Drill Sta	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Raising xxxx Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Shafts xxxx Analyses	Spl	0.00	-0-	2826.00	942	3.00	1100	3.00
Winzes xxxx Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift xxx Crosscut	ft	9152.58	206	147863.04	3329	44.43	6160	44.43
Stripping xxxxxx Drill Sta.	ft	533.16	12	6531.21	147	44.43	250	44.43
Trenching xxxxxx Timbering	ft	135.00	50	5794.20	2210	2.70	6160	2.70
Test Pits xxxxxx Analyses	Spl	342.00	114	4293.00	1431	3.00	3177	3.00
Roads and Trails xxxxxxxxxxxx Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drill	ft	3635.00	727	38065.00	7613	5.00	19500	5.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		13797.74		294508.33				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 9/12/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Remarks:

(Instructions on reverse)

(For Government use only)

[signature]

OME
DEPARTMENT OF THE INTERIOR
SEP 14 1959
DENVER, COLORADO

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Core Log Diamond Drill Hole No 34
Date Drilled 8/15/59 To 8/27/59
% Core Recovery 31 48 %

	Distance From	Distance To	Core Sec No	Core wt lb	Core wt oz	Core % Rec	Core % MS2	Sludge	Sludge	Remarks	
1	0	2		1	12	7000				Porphyry	PX
2	2	3		1	-	8000				"	"
3	3	7		3	-	6000				"	"
4	7	10		1	-	2667				"	"
5	0	10	123	6	12	5400	0.30	153	1.41		
6	10	12		1	2	4500				"	"
7	12	18		2	6	3167				"	"
8	18	20		1	6	5300				"	"
9	10	20	124	4	14	3900	0.17	154	0.07		
10	20	25		2	2	3400				"	"
11	25	30		2	8	4000				"	"
12	20	30	125	4	10	3700	007	155	032		
13	30	35		1	12	2800				"	"
14	35	40		1	2	1800				"	"
15	30	40	126	2	14	2300	0.15	156	0.25		
16	40	45		2	6	3800				"	"
17	45	50		1	4	2000				"	"
18	40	50	127	3	10	2900	0.22	157	0.20		
	50	55		1	-	1600				"	"
20	55	60		1	6	2200				"	"
	50	60	128	2	6	1900	022	158	020		
22	60	70	129	2	4	1800	0.17	159	022	"	"
	70	80	130	1	14	1500	0.20	160	0.22	"	"
24	80	90		-	4	0200		161	0.22	"	"
	90	100		-	12	0600		162	0.22	"	"
26	80	100	131	1	-	0400	012				
27	100	108		1	4	1250				"	"
	108	110		2	-	8000				"	"
28	100	110	132	3	4	2600	012	163	0.25		
	110	111		1	-	7500				"	"
	111	116		1	8	2400				"	"
	116	120		-	10	1250				"	"
	110	120	133	3	2	2500	010	164	027		
31	120	121		-	12	6000				"	"
	121	128		1	10	1857				"	"
	128	130		-	14	3500				"	"
	120	130	194	3	4	2600	0.10	165	0.20		
	130	133		1	2	3000				"	"
	133	138		2	4	3600				"	"
37	138	140		1	6	5500				"	"
38	130	140	195	4	12	3800	015	166	0.20		
39	140	143		1	14	5000				"	"
40	143	147		1	10	3250				"	"
41	147	150		2	4	6000				"	"
	140	150	196	5	12	4600	015	167	0.20		
	150	157		2	12	3143				"	"

Core Log [redacted] Diamond Drill [redacted]
Date Drilled
% Core Recovery

	Distance From	Distance to	Core Spl No	Core Wt lb	Core Wt oz	Core % Rec	Core % Moisture	Sludge Spl No	Sludge % Moisture	Remarks
1	157	160		9	6	9400				Porphyry
2	150	160	197	6	2	4900	012	168	0.20	
3	160	165		6	10	6625				"
4	165	170		1	10	6500				"
5	160	170	198	8	4	6600	017	177	0.17	
6	170	174		2	2	2125				"
7	174	170		2	8	3333				"
8	170	180	199	4	10	3700	017	178	0.20	
9	180	185		2	2	3400				Transition
10	185	190		2	14	4600				"
11	180	190	200	5	-	4000	0.15	179	0.17	
12	190	193		2	4	6000				"
13	193	200		2	-	4571				"
14	190	200	201	4	4	3400	0 15	180	0.17	
15	200	205		1	2	3400				"
16	205	207		2	4	4570				"
17	207	210		1	4	3333				"
18	200	210	205	4	10	3700	0.15	181	0.17	
19	210	213		1	6	3667				"
20	213	220		2	4	2571				"
21	210	220	206	3	10	2900	007	182	015	
22	220	223		2	4	6000				"
23	223	230		2	8	2857				"
24	220	230	207	4	12	3800	010	183	0.17	
25	230	238		7	8	7500				"
26	238	240		1	10	6600				"
27	230	240	208	4	2	7300	007	184	012	
28	240	246		1	2	1500				"
29	246	250		2	10	5250				"
30	240	250	209	3	12	3000	007	185	012	
31	250	254		1	4	2500				"
32	254	260		3	-	4000				"
33	250	260	210	4	4	3400	007	186	0.17	
34	260	265		3	4	5200				"
35	265	270		1	-	1600				"
36	260	270	316	4	4	3400	0.10	324	015	
37	270	273		1	2	3000				Porphyry
38	273	280		1	2	1286				"
39	270	280	317	2	4	1800	007	325	012	
40	280	283		-	10	1667				"
41	283	290		2	12	3143				Transition
42	280	290	318	3	6	2700	012	326	012	
43	280	300	319	4	12	3000	0.10	327	015	Porphyry
44	300	310	320	4	4	3400	012	328	0.12	"
45	310	317		2	14	3286				"
46	317	320		2	2	5667				"
47										

Core Log Diamond Drill Hole no 34
Date Drilled
% Core Recovery

	Distance From	Distance to	Core Spl no	Core Wt lb	Core Wt oz	Core % Rec	Core % Moisture	Sludge Spl no	Sludge % Moisture	Remarks
1	310	320	324	5	-	4000	0.12	324	0.15	
2	320	325		3	-	4800				Porphyry
3	325	330		-	6	0600				"
4	320	330	322	3	6	2700	0.12	330	0.12	
5	330	335		-	12	1200				Transition (Mod)
6	335	337		-	10	2500				" "
7	330	337	323	1	6	1371	0.10			

Core Log [redacted] Diamond Drill [redacted] No 36
Date Drilled 7/20/59 to 8/14/59
Core Recovery 57 67 %

	Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Mo S2	Sludge SPL No	Sludge % Mo S2	Remarks	
1	420	5		3	4	3100				Quartz	NX
2	5	8		2	12	3667				Arsbyry	BX
3	8	10		4	12	9500				"	"
4	0	10	9748	11	6	4550	0.27	9751	0.17		
5	10	13		5	-	6667				"	"
6	13	18		9	12	7800				"	"
7	18	20		4	-	8000				"	"
8	10	20	9749	18	12	7500	0.10	9752	0.10		
9	20	25		7	4	5800				"	"
10	25	29		4	4	4250				"	"
11	29	30		3	6	10000				"	"
12	20	30	9750	14	14	5950	0.15	9753	0.12		
13	30	35		1	10	1300				"	"
14	35	40		3	12	3000				"	"
15	30	40	9768	5	6	2150	0.12	9754	0.12		
16	40	45		3	10	2900				"	"
17	45	50		3	2	2500				"	"
18	40	50	9769	6	12	2700	0.17	9755	0.15		
19	50	57		3	12	2143				"	"
20	57	60		3	2	4167				"	"
21	50	60	9770	6	14	2750	0.15	9756	0.12		
22	60	67		2	8	1429				"	"
23	67	70		5	12	7667				"	"
24	60	70	9771	8	4	3300	0.12	9757	0.37		
25	70	75		8	12	7000				"	"
26	75	80		3	4	2600				"	"
27	70	80	9772	12	-	4800	0.15	9758	0.20		
28	80	85		2	4	1800				"	"
29	85	90		3	12	3000				"	"
30	80	90	9787	6	-	2400	0.12	9766	0.30		
31	90	97		2	12	1571				"	"
32	97	100		2	10	3500				"	"
33	90	100	9788	5	6	2150	0.17	9767	0.22		
34	100	104		3	-	3000				"	"
35	104	109		2	-	3200				"	"
36	109	110		1	2	9000				"	"
37	100	110	9789	6	2	3500	0.27	9776	0.20		
38	110	112		-	12	3000				"	"
39	112	117		2	8	4000				"	"
40	117	120		1	-	2667				"	"
41	110	120	9790	4	4	3400	0.57	9777	0.27		
42	120	122		1	6	5500				"	"
43	122	130		4	2	4125				"	"
44	120	130	9791	5	8	4300	0.20	9778	0.32		
45	130	140	9792	3	8	2800	0.27	9779	0.30	"	"
46	140	145		2	10	4200				"	"
47											

Core Log Diamond Drill Hole no 36
Date Drilled
Core Recovery

	Distance From	Distance To	Core Sp.G. %	Core Wt Lb	Core Wt oz	Core % Rec	Core % Mos2	Sludge %	Sludge Mos2	Remarks	
	145	150		2	12	4400				Porphyry	DX
	140	150	9993	5	6	4300	030	9800	022	"	"
	150	153		3	4	8667				"	"
	153	160		3	8	4000				"	"
	150	160	9994	6	12	5400	017	9801	025		
	160	164		3	8	7000				"	"
7	164	167		2	12	7333				"	"
	167	170		1	4	3333				"	"
9	160	170	9995	7	8	6000	010	9968	025		
10	170	177		2	6	2714				"	"
11	177	180		3	4	8667				"	"
12	170	180	9964	5	10	4500	015	9969	027		
13	180	187		2	14	3286				"	"
14	187	190		4	4	10000				"	"
15	180	190	9965	7	2	5700	022	9970	027		
16	190	197		4	2	4714				"	"
17	187	200		1	4	3333				"	"
18	190	200	9966	5	6	4500	054	9971	030		
19	200	205		1	4	2000				"	"
20	205	210		1	10	2600				"	"
21	200	210	9967	2	14	2300	020	9972	034		
22	210	214		1	12	3500				"	"
23	214	220		1	4	1667				"	"
24	210	220	9934	3	-	2400	017	9973	027		
25	220	223		-	14	2333				"	"
26	223	230		2	6	2714				"	"
27	220	230	9935	3	4	2600	017	9974	022		
28	230	233		1	10	4333				"	"
29	233	240		4	12	5429				"	"
30	230	240	9936	6	6	5100	020	9945	015		
31	240	242		1	10	6500				"	"
32	242	250		3	-	3000				"	"
33	240	250	9937	4	10	3700	020	9946	010		
34	250	253		5	8	3500				"	"
35	253	258		2	14	7667				"	"
36	258	260		1	-	4000				"	"
37	250	260	9938	9	6	7500	017	9947	020		
38	260	267		2	2	2429				"	"
39	267	270		1	12	4667				"	"
40	260	290	9939	3	14	3100	025	9948	012		
41	290	299		2	8	2222				"	"
42	299	280		1	6	100 00				"	"
43	290	280	9940	3	14	3100	015				
44	280	286		1	14	2500				"	"
45	286	290		1	14	3750				"	"
46	280	290	9941	3	12	3000	032	9986	012		

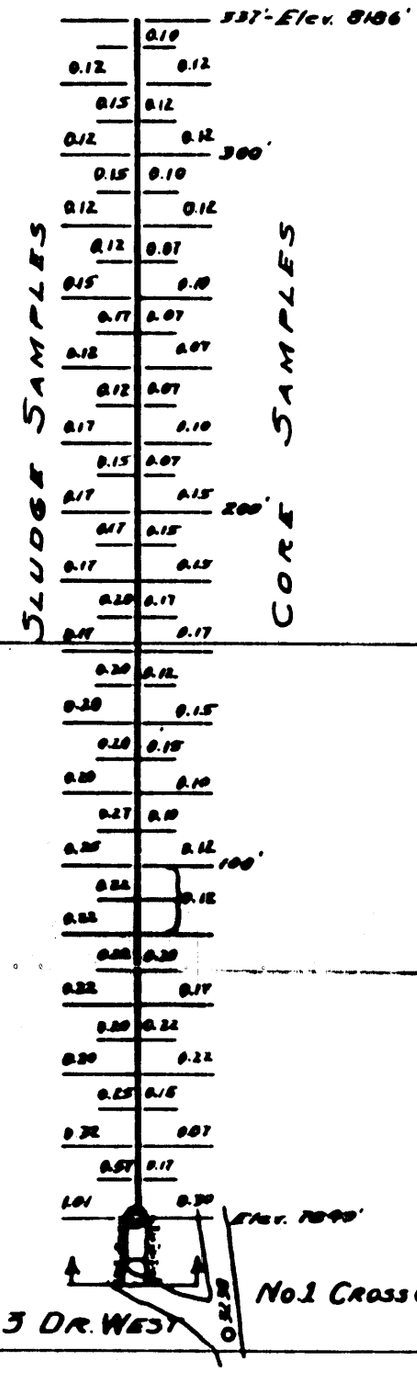
Core L[illegible] Diamond Dr[illegible]le No 36
Date Drilled
Core Recovery

	Distance From	Distance To	Core Spl No	Core Wt lb	Core Wt oz	Core % Rec	Core % Ins	Sludge	Sludge	Remarks	
1	290	295		2	-	3200				Porphyry	AK
	295	300		-	12	1200				"	"
	290	300	9942	2	12	2200	023	9987	017		
4	300	302		--	12	3000				"	"
5	302	310		1	2	1125				"	"
6	300	310	9943	1	14	1500	022	9988	027		
7	310	312		1	2	4500				"	"
8	312	320		-	12	0500				"	"
9	310	320	9944	1	14	1500	015	9989	030		
10	320	322		-	12	3000				"	"
11	322	330		2	4	2250				"	"
12	320	330	36	3	--	2400	010	9990	025		
13	330	340	37	2	-	1600	012	9991	017	"	"
14	340	344		1	2	2250				"	"
15	344	350		1	8	2000				"	"
16	340	350	38	2	10	2100	010	9992	017		
17	350	355		1	6	2200				"	"
18	355	360		2	2	3400				"	"
19	350	360	39	3	8	2800	010	93	025		
20	360	364		2	6	4750				"	"
	364	370		1	--	1333				"	"
	360	370	40	3	6	2700	026	94	015		
	370	380	41	2	8	2000	017	95	020	"	"
	380	381		1	4	1000				Transition } Mud	"
	381	390		4	-	3336				"	"
	380	390	42	5	4	4200	0.07	96	020		

N-2000

N-1800

VERTICAL SECTION



N-1600

DIAMOND DRILL HOLE No.34
337' VERTICALLY UP
% Mo Sz
SCALE 1"=50' 8/31/59

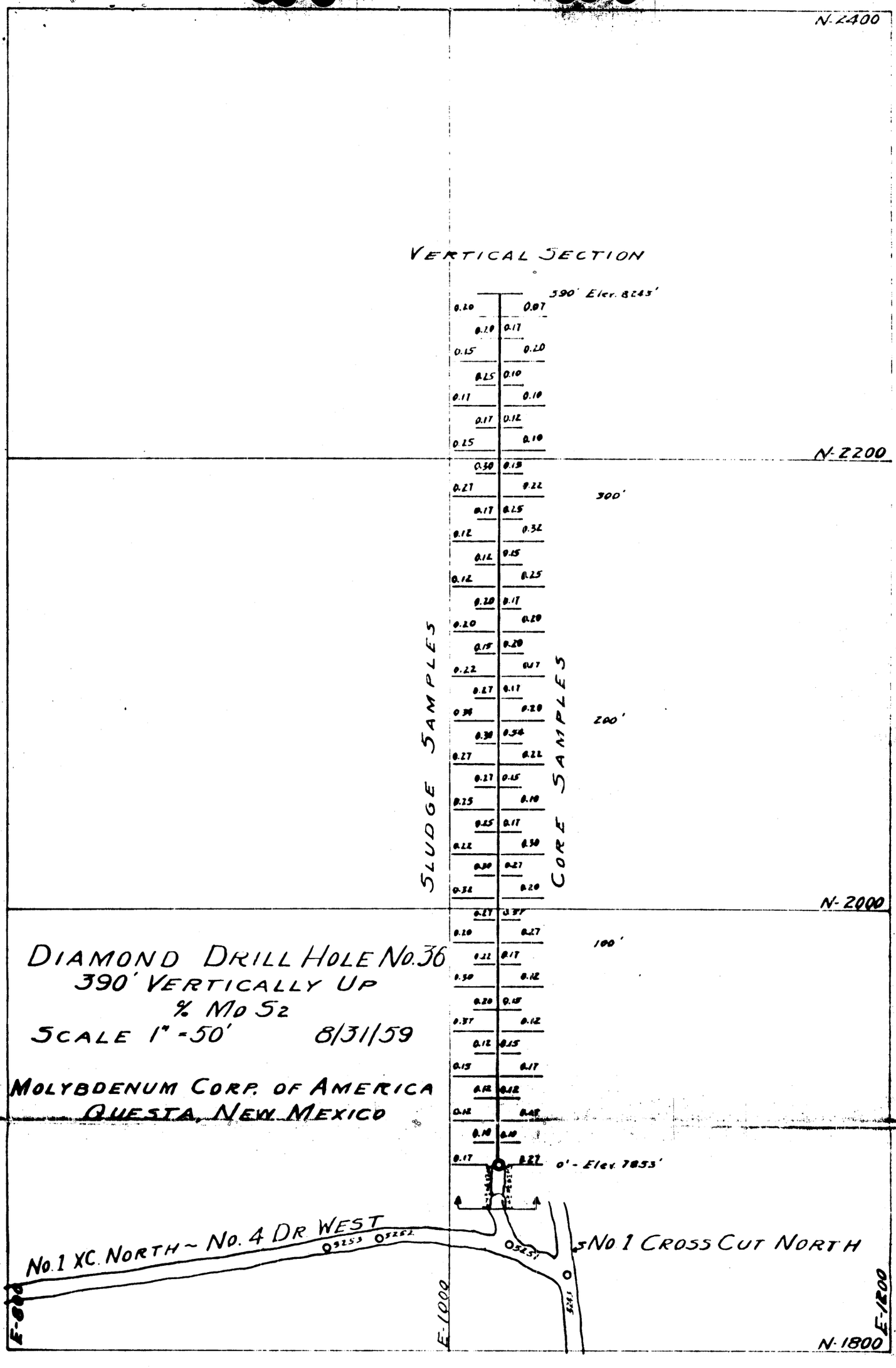
~~MOLYBDENUM~~ CORP. OF AMERICA
QUESTA, NEW MEXICO

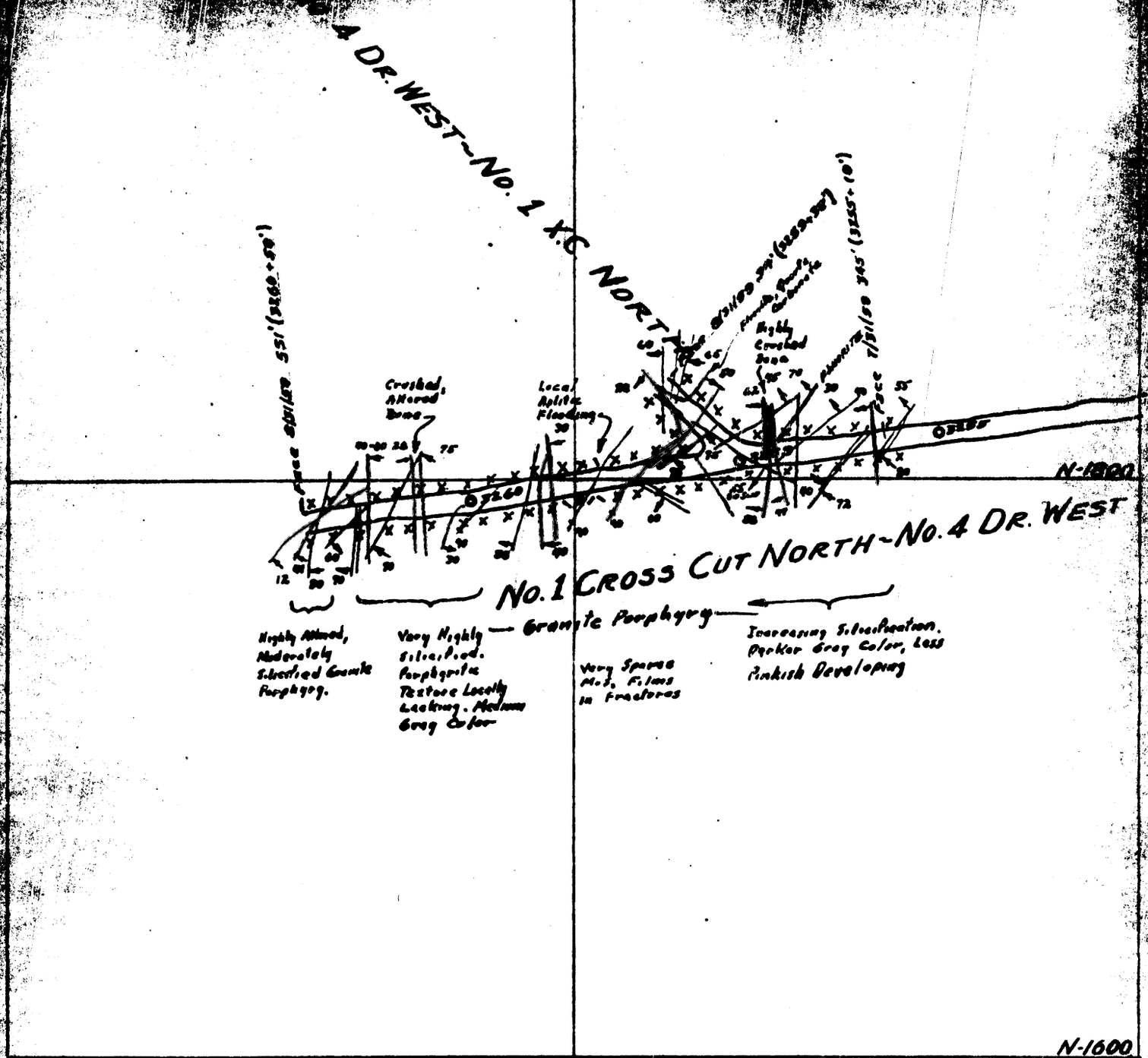
E-1000

E-1200

No. 1 CROSS CUT NORTH - No. 3 DR. WEST

N-1400


N-2400
VERTICAL SECTION
390' Elev. 8245'
N-2200
300'
SLUDGE SAMPLES
CORE SAMPLES
200'
N-2000
100'
DIAMOND DRILL HOLE No. 36
390' VERTICALLY UP
% MoS2
SCALE 1" = 50'
8/31/59
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
0' - Elev. 7853'
No. 1 XC. NORTH ~ No. 4 DR WEST
No. 1 CROSS CUT NORTH
E-1000
E-1200
N-1800

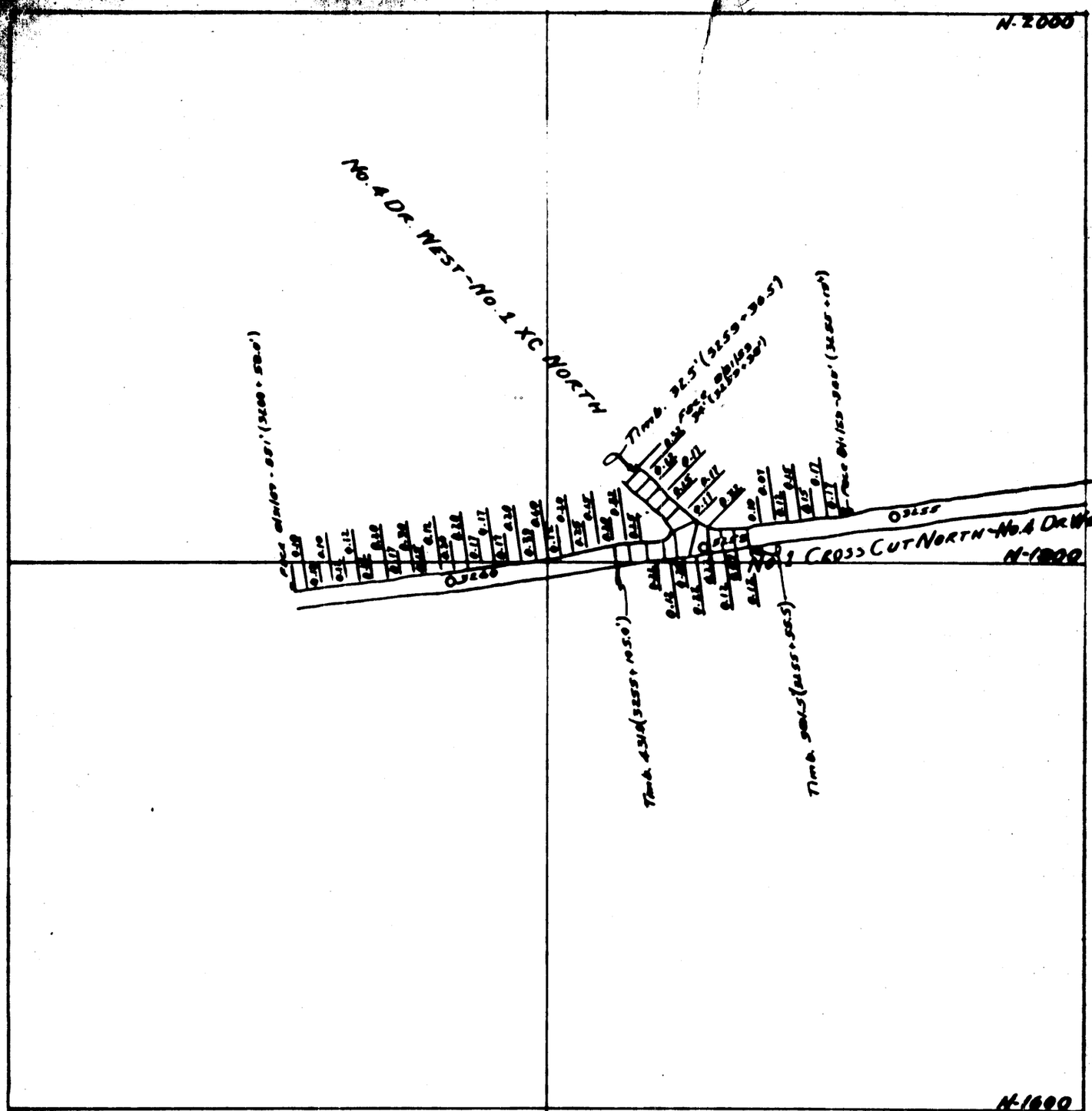


GEOLOGIC MAP
PERIOD 8/1/59 to 8/31/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

E-400 E-600 E-800 N-1400



PROGRESS, TIMBER, CHIP SAMPLES

% MoS_2

PERIOD 8/1/59 to 8/31/59

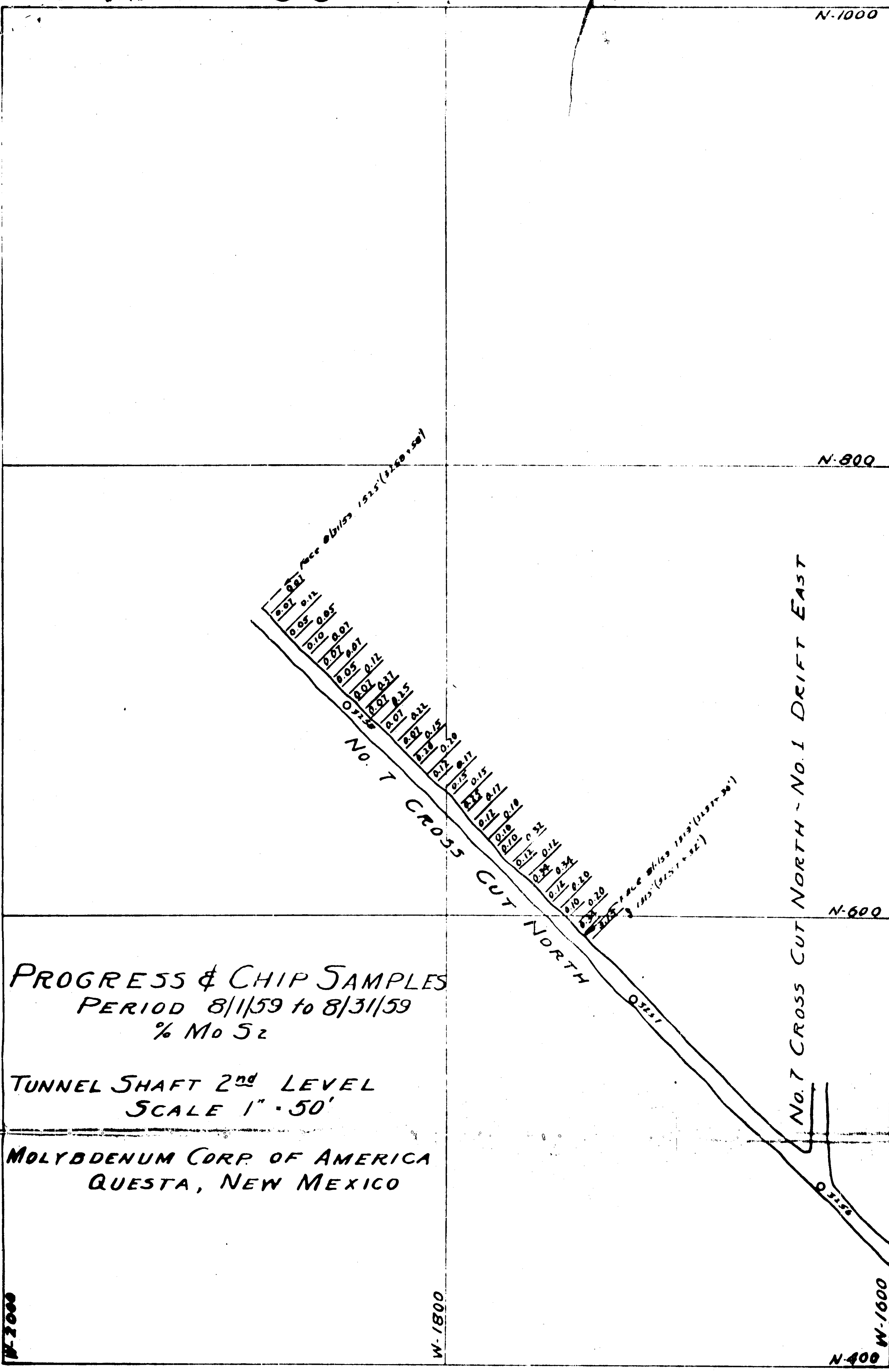
TUNNEL SHAFT 2nd LEVEL

SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA

QUESTA, NEW MEXICO

E-400 E-600 E-800 N-1400


N-1000
N-800
N-600
N-400
W-2000
W-1800
W-1600
No. 7 Cross Cut North
No. 7 Cross Cut North - No. 1 Drift East
Progress & Chip Samples
Period 8/1/59 to 8/31/59
% Mo S2
Tunnel Shaft 2nd Level
Scale 1" = 50'
Molybdenum Corp. of America
Questa, New Mexico

EXTRA COPY O. M. E. RECEIVED SEP 28 1959		
DATE	INITIALS	CODE

FINAL DISTRIBUTION MADE SEP 23 1959

Building 20 - Federal Center
Denver 25, Colorado

September 18, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-K109A, Molybdenum Corporation of America (Moly or Questa Mine) Taos County, New Mexico

Enclosed are the original and four copies of Forms MF-104 and MF-104A, Operator's narrative report, and Engineer's inspection report for the month of August 1959.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form of contract on Form MF-200A; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by

J. W. Townsend

Enclosures

cc: Chm. Op. Comm. (2) ✓
MF-104 file, Reg. III
OME/DFC
Healer w/cpy Engr's. report
Chron.

EXTRA COPY O. M. E. RECEIVED SEP 28 1959		
DATE	INITIALS	CODE

Building 20 - Federal Center
Denver 25, Colorado

September 18, 1959

Memorandum

To: J. W. Townsend

From: T. M. Romslo

Subject: Progress Report for August 1959, Docket No. DMEA 4568 (Molybdenum) Contract No. Ida-K1094, Molybdenum Corporation of America (Moly or Questa Mine) Taos County, New Mexico

The writer found that progress for the reporting period in explorations authorized by the captioned contract were as reported in the attached Operator's report during an inspection of the pertinent underground workings with J. W. Hasler, Geologist, USGS, and Irvin Sackett, Mine Engineer, September 9, 1959. Mr. Hasler and I also discussed proposed additional explorations with A. L. Greslin, Manager, who, due to a recently sustained minor injury to his back, did not accompany us during the underground inspection.

The following authorized work was completed during August 1959 and charged for by the Operator on Form MF-104.

Drilling (Diamond)

The drilling totaled 727 feet of which 337 feet and 390 feet was in completed diamond drill holes Nos. 34 and 36, respectively. Each of the holes penetrated granite porphyry containing an average of about 0.20 percent MoS2 and were stopped in squeezing ground at or near the porphyry-greenstone contact. Core recoveries were about 31.5 percent in hole 34 and 57.6 percent in hole 36.

Drill Station

The drilling station for hole No. 34 was completed by driving and timbering a raise to a necessary height of 12 feet above an existing drift.

Drifting

No. 4 Drift West was driven an additional 206 feet to a point 58 feet beyond survey station No. 3260. The total authorized

advance in this drift through August 1959 is 551 feet. Written approval of the initial 500 feet was given 7/9/59. Verbal approval of 8/26/59 for an additional 100 feet of drifting will shortly be confirmed in writing.

Timbering

A total of 50 lineal feet of No. 4 Drift West was supported with timber sets. Cross-sections of the drift were nowhere less than the specified minimum of 5 feet by 7 feet in the clear of timber.

Analysis

A total of 114 samples taken in accordance with contract specifications were analyzed for their MnO_2 content. Of the 114 samples, 42 were from No. 4 Drift West, 33 were from diamond drill hole 34, and the remaining 39 were from diamond drill hole 36.

Non-Contract Work

Explorations, other than authorized by the contract, reportedly were largely confined to an extension of No. 7 crosscut North. The crosscut which is being driven in the unfavorable green rock has reached a point beyond the projected position of the contact of green rock and the favorable granite.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $3,635.00 is for the 727 feet of authorized diamond drilling in holes Nos. 34 and 36 at the specified rate of $5.00 per foot.

Drill station - The $533.16 is for the authorized 12 feet of raising for the station of drill hole No. 34 at the specified rate of $44.43 per foot.

Drifting - The $9,152.58 is for the authorized 206 feet of advance in No. 4 Drift West at the specified rate of $44.43 per foot.

Timber - The $135.00 is for the authorized 50 feet of timbering in No. 4 Drift West at the specified rate of $2.70 per foot.

Analysis - The $342.00 is for the authorized analysis of the previously described 114 samples at the specified rate of $3.00 per sample.

Totals - The Monthly Total cost, $13,797.74, appears to be correct. The other totals appear to be correct before the disallowance of $3.00 for the analysis of one sample.

Form MF-104A

The form has been properly completed except for the following errors that occur in the To Date costs and Units of work performed under stage II.

Drift and Crosscut - Total units reported as 3,329 are correctly 3,328 after the 1-foot of advance disallowed.

Timbering - The reported- and correct-total units are 2,210 and 2,146, respectively.

Analyses - The reported total costs and units, $4,293.00 and 1,431, respectively, do not reflect the previously-mentioned disallowance of $3.00 for one sample.

Narrative Report

The Narrative Report with attached maps, sections, and logs of drill holes is acceptable.

Original signed by

T. M. Romalo

cc: 6
Chron.

5

C O N T E N T S
August 1959

1. Narrative Report
2. Form MF-104A
3. Form MF-104
4. Core Log - Drill Hole 34
5. Core Log - Drill Hole 36
6. Map - Drill Hole 34
7. Map - Drill Hole 36
8. Geology Map - No. 4 Dft W
9. Progress & Chip Sample Map (No. 4 Dft W)

OME
DEPARTMENT OF THE INTERIOR
SEP 14 1959
DENVER, COLORADO

EXTRA COPY
O. M. E.
RECEIVED SEP 28 1959

DATE	INITIALS	CC

NARRATIVE REPORT

AUGUST 1959

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team, Region III
Building 20 - Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4568 (Molybdenum)
Contract No. IIM E1094
Molybdenum Corp. of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period August 1 through August 31, 1959 there were 26 working days and 5 Sundays. The mine was worked 26 days on a two shift basis.

Diamond drill hole No. 34 and 36 were completed. No. 34 was completed to a depth of 337 feet where it had to be stopped due to the hole squeezing in when we hit the greenrock. No. 36 was completed to a depth of 390 feet and it had to be stopped when we hit the greenrock.

There were 206 feet of drifting in the No. 4 drift west during this period. This was in a granite porphyry.

There were 50 feet of timber in this drift.

Development work was carried on in the No. 7 crosscut north.

Yours very truly,

E. L. Gresham

Form 11F-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1959 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue, New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50% Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	2500.00	69465.00	71965.00			
~~Boring~~ Drill Sta.	0.00	9152.58	9152.58			
Crosscutting - Drift	15328.35	167812.11	183140.46			
~~Timber~~ Timber	229.50	7946.10	8175.60			
Analyses	357.00	6420.00	6777.00			
(2) ~~Labor~~ ~~Labor~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	18414.85	262295.79	280710.64	18,414.85	262,295.79	280,710.64

OME
DEPARTMENT OF THE INTERIOR
AUG 17 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 8/13/59 *Payee Molybdenum Corp. of America
Per G. L. Gustin Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 9207.43

Signature
(Authorized Certifying Officer)

Date 9-22-59 Vou. No. DMEA 608
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-IE1094 in accordance with the terms of the contract.

Signature D.P. Ramolo Checked for Engineering Allowability Title Mining Engineer Date 9-11-59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date SEP 18 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1959 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue - New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	Spl	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream - Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Crosscut	ft	15328.35	345	138710.46	3123	44.43	6160	44.43
Drill Sta.	ft	0.00	-0-	5998.05	135	44.43	250	44.43
Timbering	ft	229.50	85	5659.20	2096	2.70	6160	2.70
Analyses	Spl	357.00	119	3951.00	1317	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drill	ft	2500.00	500	34430.00	6886	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		18414.85		280710.64				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date August 13, 1959 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

OME
DEPARTMENT OF THE INTERIOR
AUG 17 1959
REGION III
DENVER, COLORADO

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only) [signature]

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc.". The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Core Log [illegible] Diamond Drill Hole No. 31
Date Drilled [illegible]/1959 To 7/24/59
% Recovery 50.26

Distance From	Distance To	Core Sample No.	Core Lb.	Core Oz.	Core Rec.	Core Assay	Assay Sample No.	Assay Value	Remarks	
0	10	9274	2	12	[illegible]	0.03			Diamond	NX
10	15		6	12	3080				" Some Porphyry	"
15	18		6	8	8661				" " "	Bx
18	20		3	8	7000				" " "	"
10	20	9275	16	12	4873	0.10	9286	0.22		"
20	22		4	10	9250				"	"
22	26		7	12	7750				"	"
26	30		7	14	7875				"	"
20	30	9276	20	4	5100	0.20	9287	0.22		"
30	34		8	4	8250				" Some Porphyry	"
34	37		5	2	6833				"	"
37	39		4	2	8250				"	"
39	40		2	6	9000				"	"
30	40	9277	19	14	7950	0.13	9288	0.15		
40	44		3	-	5000				"	"
44	46		3	12	7500				"	"
46	48		3	-	6000				"	"
48	50		4	6	5750				"	"
40	50	9278	16	2	6950	0.13	9289	0.24		
50	53		4	14	6500				"	"
53	55		3	12	7500				"	"
55	58		6	-	8000				"	"
58	60		3	12	7500				"	"
50	60	9279	15	6	7350	0.13	9290	0.22		
60	61		2	-	8000				"	"
61	62		1	4	[illegible]				[illegible]	"
62	67		4	10	[illegible]				"	"
67	70		5	14	[illegible]				"	"
60	70	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		
70	71		2	[illegible]	[illegible]					
71	74		6	3	[illegible]				"	"
74	76		1	10	[illegible]				"	"
76	79		3	2	[illegible]				"	"
79	80		3		[illegible]				"	"
70	80	9280	15	12	[illegible]	[illegible]	[illegible]	[illegible]		
80	83		5	[illegible]	[illegible]				"	"
83	[illegible]				[illegible]				"	"
85	[illegible]		[illegible]	[illegible]	[illegible]					"
88	[illegible]				[illegible]					"
80	90	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		
90	94		3	[illegible]	[illegible]					"
94	98		7	[illegible]	[illegible]				"	"
98	100		4	2	[illegible]				"	"
90	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.22		
100	103		[illegible]	[illegible]	[illegible]					"
103	[illegible]		[illegible]		[illegible]					

Core Log Diamond Drill Hole No 31

	Distance From	To	Core Sample No	Core Lb	Core Oz	Core % Rec	Core % Mesh	Shadge Sample No	Shadge % Mesh	Remarks	
	106	110		6	8	6000				Tailings	BX
	100	110	9308	16	14	6750	012	9249	025		"
	110	111		3	4	10000				"	"
	111	116		10	6	8300				"	"
	116	120		9	12	9750				"	"
	110	120	9309	23	6	9350	012	9256	022		
	120	122		3	2	6250				"	"
	122	125		7	12	10000				"	"
	125	127		3	6	6750				"	"
	127	130		4	8	6000				"	"
	120	130	9322	18	12	7500	015	9247	017		
	130	131		2	-	8000				" - Diabase	"
	131	135		5	12	5750				" "	"
	135	140		5	2	4100				" "	"
	130	140	9323	12	14	5150	015	9248	020		"
	140	143		4	8	6000				" "	"
	143	145		3	12	7500				" "	"
	145	148		4	10	6167				" "	"
	148	150		3	4	6500				" "	"
	140	150	9324	16	2	6450	012	9330	020		
	150	153		4	2	3300				Granite "	"
	153	158		7	8	10100				" "	"
	158	160		3	8	7000				" "	"
	150	160	9325	13	2	6050	010	9331	022		
	160	163		5	8	7333				" "	"
	163	166		4	10	6167				" "	"
	166	169		4	-	5333				" "	"
	169	170		1	8	6000				" "	"
	160	170	9326	13	10	6250	007	9332	017		
	170	172		3	8	7000				" "	"
	172	177		5	6	6700				" "	"
	177	180		1	5	2000				" "	"
	170	180	9327	13	6	5150	012	9333	025		
	180	181		1	8	6000				"	"
	[illegible]	186		9	6	9000				"	"
	186	189		5	8	7333				"	"
	189	190		2	10	10000				"	"
	180	190	9328	19	-	7600	015	9334	034		
	190	193		4	6	5833				"	"
	193	196		3	4	4333				"	"
	196	198		3	8	7000				"	"
	198	200		1	14	7750				"	"
	190	200	9329	13		6000	010	9335	030		
	200	202		2	10	5250				"	"
	202	206		7	2	7125				"	"
	206	210		5	6	5375				"	"

Core Log Diamond Drill Hole no 31

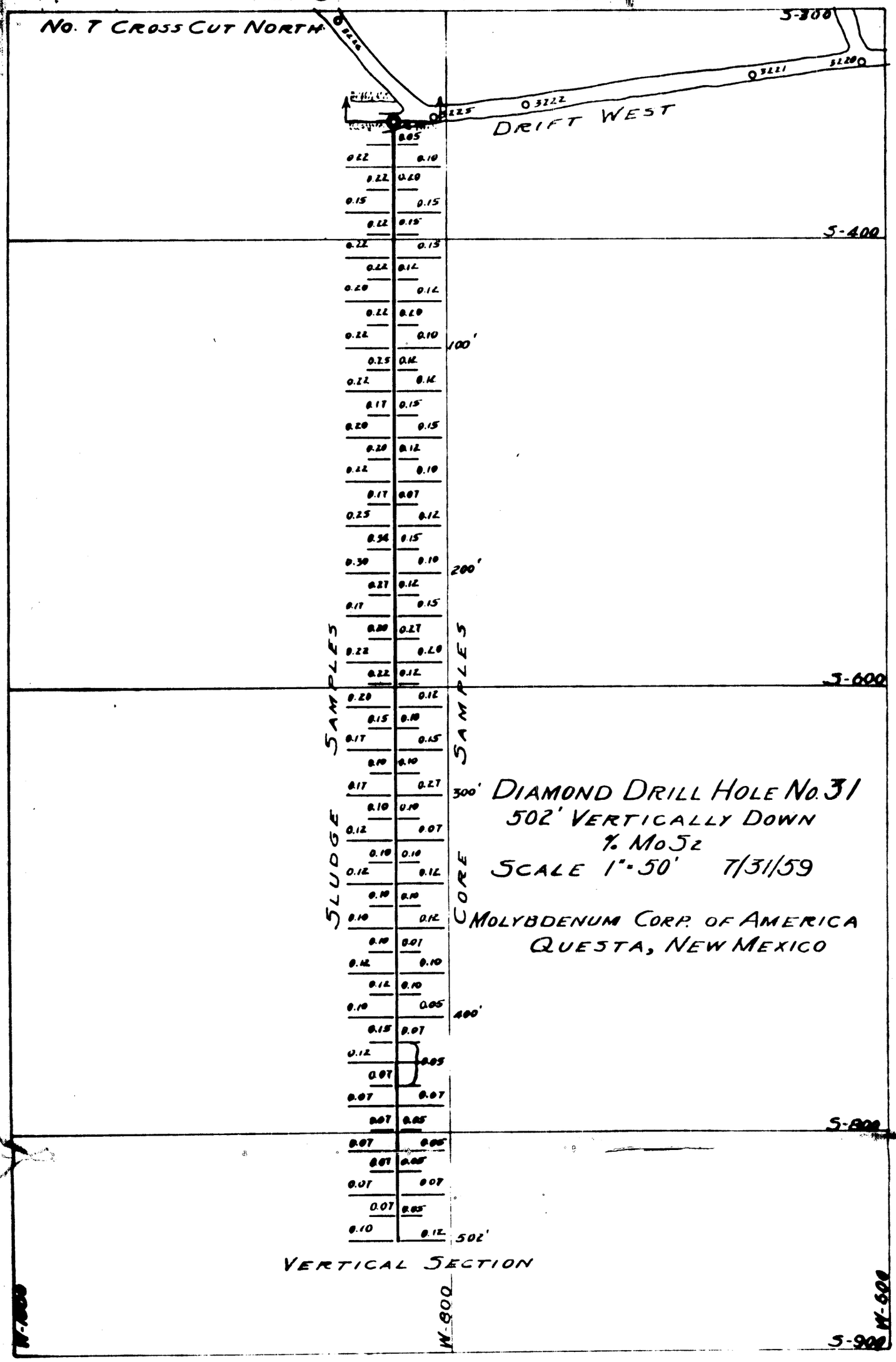
	Distance From	Distance To	Core Spl No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Moisture	Sludge Spl No	Sludge % Moisture	Remarks		
1	200	210	9445	15	2	6050	0.12	9336	027			BX
2	210	211		2	4	9000				Granite	Porite	"
3	211	213		4	-	8000				"	"	"
4	213	214		1	10	6500				"	"	"
5	214	220		5	2	3417				"	"	"
6	210	220	9446	13	-	5200	015	9465	017			
7	220	221		2	6	9500				"	"	"
8	221	227		4	8	3000				"	"	"
9	227	230		3	8	4667				"	"	"
10	220	230	9447	10	6	4150	027	9466	020			
11	230	232		2	12	5500				"	"	"
12	232	235		4	6	5833				"	"	"
13	235	240		4	2	3300				"	"	"
14	230	240	9448	14	4	4500	020	9467	022			
15	240	245		4	4	3400				"	"	"
16	245	250		6	6	3700				"	"	"
17	240	250	9449	10	10	4250	012	9468	022			
18	250	251		2	2	8500				Porphyry		"
19	251	256		9	6	7500				"		"
20	256	258		4	12	9500				"		"
21	258	260		1	2	2250				"		BX
22	250	260	9450	17	6	6950	012	9481	020			"
23	260	265		1	2	3000				"		"
24	265	268		-	10	1000				"		"
25	268	270		1	6	5500				"		"
26	260	270	9451	3	2	2500	010	9482	015			
27	270	273		1	2	3000				"		"
28	273	277		1	12	3500				"		"
29	277	280		-	12	2000				"		"
30	270	280	9452	3	10	6500	010	9483	017			
31	280	281		-	8	4000				"		"
32	281	285		1	4	2500				"		"
33	285	189		1	12	3500				"		"
34	287	290		1	2	9000				"		"
35	280	290	9453	4	10	3700	010	9484	010			
36	290	292		-	12	3000				"		"
37	292	296		1	-	2000				"		"
38	296	300		-	12	1500				"		"
39	290	300	9454	2	8	2000	027	9485	017			
40	300	302		-	8	2000				"		"
41	302	305		4	-	5333				"		"
42	305	310		3	-	1000				"		"
43	300	310	9490	7	8	6000	010	9486	010			
44	310	311		2	2	100 00				"		"
45	311	314		4	2	140 00				"		"
46	314	317		4	12	102 00				"		"

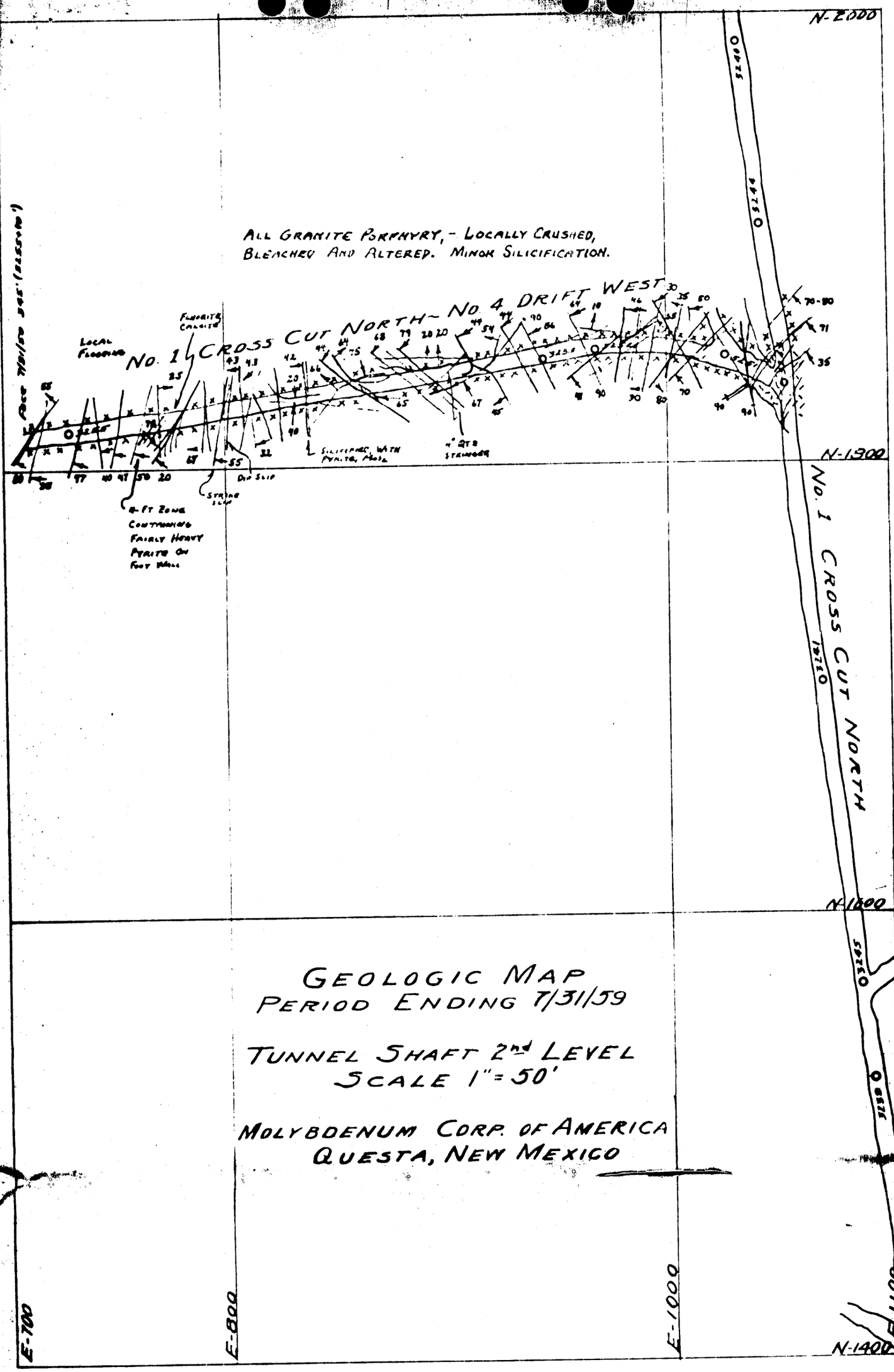
Core Log Diamond Drill Hole no 31

	Distance From	To	Core SPL No	Core wt lb	oz	Core % Ree	Core % Mo S2	Sludge SPL No	Sludge % Mo S2	Remarks
1	317	320		2	10	7000				Porphyry
2	310	320	9491	13	10	10000	0.07	9487	0.12	
3	320	321		2	6	9500				"
4	321	326		4	-	3200				"
5	326	330		2	-	2000				"
6	320	330	9492	8	6	3350	0.10	9488	0.10	
7	330	332		2	6	4750				"
8	332	338		5	8	3667				"
9	338	340		1	6	2750				"
10	330	340	9600	9	4	3700	0.12	9489	0.12	
11	340	341		1	6	5500				"
12	341	343		2	12	5500				"
13	343	346		1	8	2000				"
14	346	348		3	12	7500				"
15	348	350		4	4	8500				"
16	340	350	9601	13	10	5450	0.10	9597	0.10	
17	350	351		3	2	10000				"
18	351	354		4	-	5333				"
19	354	356		1	4	3000				"
20	356	358		1	2	4500				"
21	358	360		1	-	4000				"
22	350	360	9602	10	8	8400	0.12	9598	0.10	
23	360	364		1	16	2000				"
24	364	367		-	8	1333				"
25	367	370		-	4	0667				"
26	360	370	9603	1	12	1400	0.07	9599	0.10	
27	370	372		-	8	2000				"
28	372	377		-	4	0400				"
29	377	378		-	2	1000				"
30	378	380		-	4	1000				"
31	370	380	9604	1	2	0900	0.10	9696	0.12	
32	380	382		-	4	1000				"
33	382	386		-	8	1000				"
34	386	389		-	4	0667				"
35	389	390		-	4	2000				"
36	370	390	9605	1	4	1000	0.10	9697	0.12	
37	390	396		-	10	0833				"
38	396	400		-	10	1250				"
39	390	400	9666	1	4	1000	0.05	9698	0.10	
40	400	403		-	10	1667				"
41	403	406		-	12	2000				"
42	406	410		-	2	2500				"
43	400	410	9667	1	8	1200	0.07	9699	0.15	
44	410	411		-	2	1000				"
45	411	413		-	2	0500				"
46	413	419		-	10	0833				"
47										

Core Log [redacted] Diamond Drill [redacted] No. 31

	Distance From	Distance To	Core SPL No	Core WT Lb	Core WT oz	Core % Rec	Core % MoS2	Sludge SPL No	Sludge % MoS2	Remarks
1	419	420		-	4	2000				No. Phyry
2	419	420		1	2	0900		9713	012	
3	420	426		-	4	0333				"
4	424	430		-	4	0500				"
5	420	430		-	8	0900		9714	0.07	"
6	420	430	9668	2	4	0900	005			
7	430	431		-	2	1000				"
8	431	432		-	2	1000				"
9	432	435		1	2	3000				"
10	435	437		-	8	1000				"
11	437	440		-	6	3000				"
12	440	440	9669	2	4	1800	007	9715	007	
13	440	444		-	12	1500				"
14	444	448		-	4	5000				"
15	448	450		-	6	1500				"
16	450	450	9670	1	6	1100	005	9716	007	
17	450	453		-	8	1333				"
18	453	455		1	2	4500				"
19	455	460		2	6	3500				"
20	460	460	9671	4	-	3200	005	9717	007	
21	460	462		2	4	9000				"
22	462	465		1	12	4667				"
23	465	470		2	4	3600				"
24	460	470	9672	6	4	5000	005	9718	007	
25	470	471		1	-	7500				"
26	471	477		1	4	1667				"
27	477	480		-	2	0333				"
28	470	480	9673	2	6	1900	007	9719	007	
29	480	481		1	-	7500				"
30	481	484		1	12	4667				"
31	484	486		1	8	6000				"
32	486	490		1	6	2750				"
33	480	490	9674	5	10	4500	005	9720	007	
34	490	495		2	-	3200				"
35	495	498		1	12	4667				"
36	498	502		2	[illegible]	[illegible]				"
37	490	502	9675	5	12	3833	0.12	9721	010	

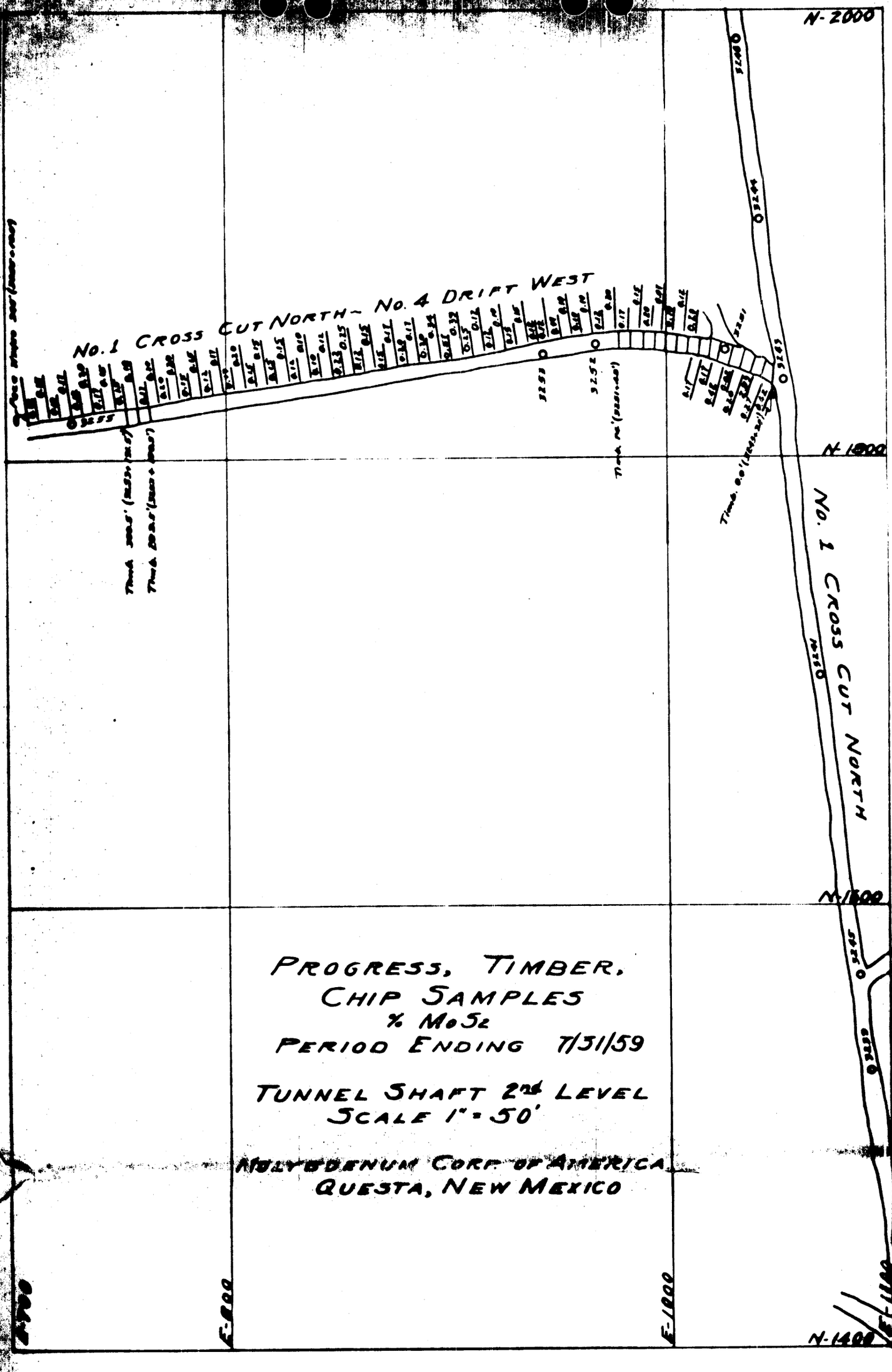

No. 7 Cross Cut North
3220
3221
3220
3222
3225
Drift West
5-300
5-400
5-600
5-800
5-900
W-800
W-600
100'
200'
300'
400'
502'
Sludge Samples
Core Samples
Diamond Drill Hole No. 31
502' Vertically Down
% MoS2
Scale 1" = 50'
7/31/59
Molybdenum Corp. of America
Questa, New Mexico
Vertical Section



GEOLOGIC MAP
PERIOD ENDING 7/31/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

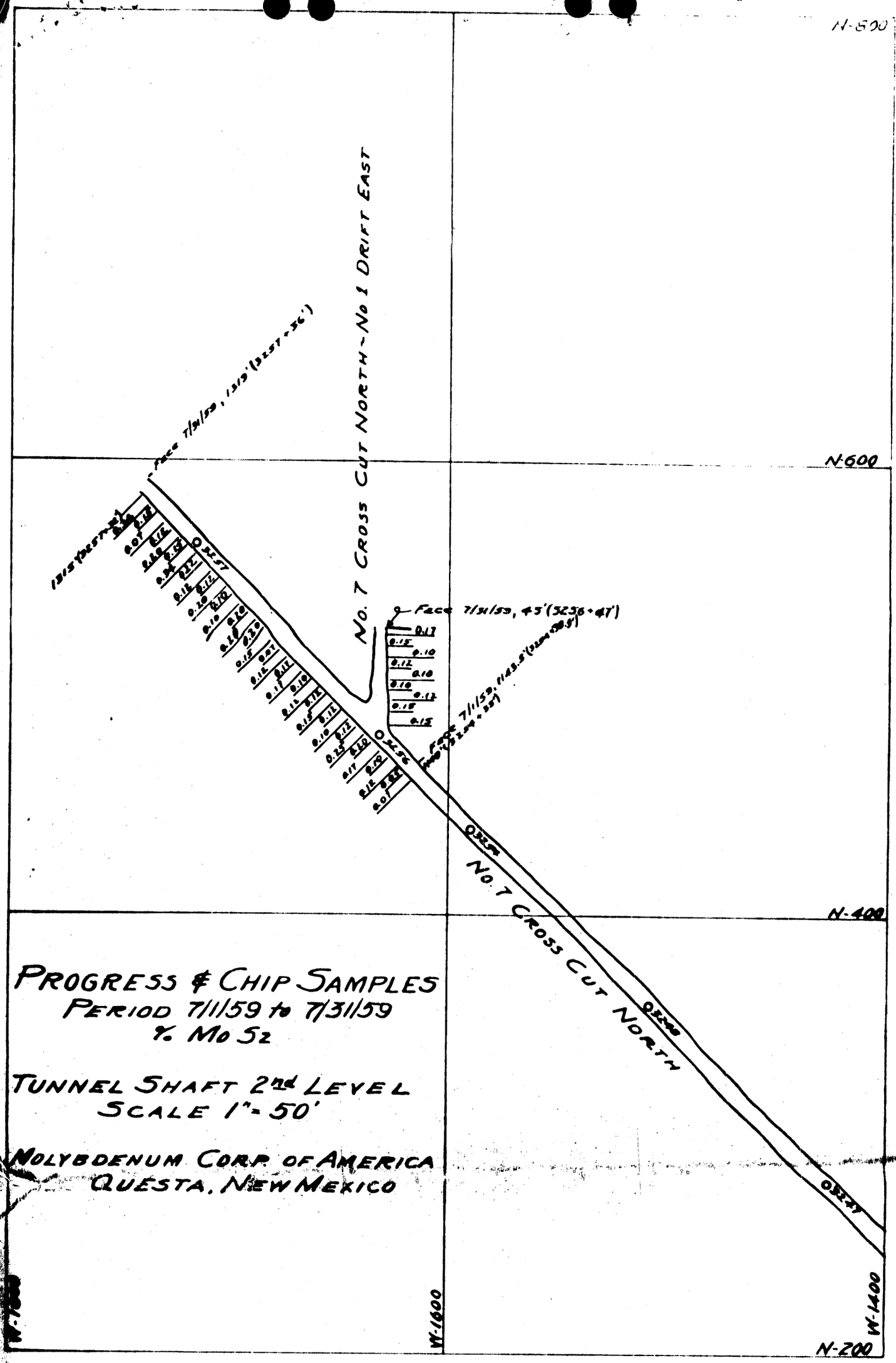
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS, TIMBER,
CHIP SAMPLES
% MoS_2
PERIOD ENDING 7/31/59

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO



PROGRESS & CHIP SAMPLES
PERIOD 7/1/59 to 7/31/59
% Mo S2

TUNNEL SHAFT 2nd LEVEL
SCALE 1" = 50'

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

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FINAL DISTRIBUTION
MADE SEP 23 1959

Building 20 - Federal Center
Denver 25, Colorado

September 18, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-E1094, Molybdenum Corporation of America (Moly or Questa Mine) Taos County, New Mexico

Enclosed are the original and four copies of Forms MF-104 and MF-104A, Operator's narrative report, and Engineer's inspection report for the month of July 1959.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form of contract on Form MF-200A; therefore, documentation of the costs is not required.

It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by

J. W. Townsend

Enclosures

cc: Chm. Op. Comm. (2)
MF-104 file, Reg. III
OME/DPC
Hasler w/cpy Engr's. report
Chron.

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Building 20 - Federal Center
Denver 25, Colorado

September 11, 1959

Memorandum

To: J. W. Townsend

From: T. M. Romalo

Subject: July 1959 Progress Report, Docket No. DMEA 4568 (Molybdenum) Contract I4m-E1094, Molybdenum Corporation of America (Moly or Questa Mine) Taos County, New Mexico.

The project of the captioned contract was inspected September 9, 1959 by the writer and J. W. Hasler, Geologist, U. S. G. S., in the company of Ervin Sachett, mine engineer. Findings of the inspection included the advances made in both contract and non-contract work and information regarding the advisibility of doing additional exploratory work that had been requested by the Operator. Separate memoranda relative to the approval of the requested explorations which were discussed with A. L. Greslin, Manager, will be prepared by Mr. Hasler.

Contract work completed during July 1959

The contract work completed during the reporting period was found to be as reported in the attached Operator's Report and as set down below.

No. 4 Drift West

This drift which was started from No. 1 cross cut North was advanced a total of 345 feet to a point 19 feet beyond survey station No. 3255. All of the advance was in a fractured granite porphyry containing minor amounts of molybdenite as discontinuous veinlets.

Sampling of the 345 feet of drift was done in accordance with the contract. The MoS_2 content of the 69 samples taken ranged from 0.07 percent to 2.89 percent and averaged about 0.20 percent.

An 85-foot long section of heavy ground in the drift was supported with timber sets. The cross section of the drift was nowhere less than the specified minimum of 5 feet by 7 feet.

D. D. Hole No. 31

This hole was completed to a depth of 502 feet. It was drilled and sampled as specified by the contract. Assays of the 50 samples of each the cores and sludges showed a MoS_2 content ranging from 0.05 percent to 0.34 percent and averaging about 0.15 percent.

Check Sampling

The assays of the 7 check samples taken by me during the previous inspection checked very closely with those reported by the Operator.

Two additional check samples were taken during this inspection. They were obtained from No. 4 Drift West.

Non-contract work

The non-contract work was largely confined to the driving of No. 7 cross cut North and No. 1 Drift East. The average MoS_2 content of the rock sections penetrated by these workings was relatively low, averaging about 0.14 percent.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $2500.00 is for the authorized 500 feet of the 502 feet diamond drilling in hole No. 31 at the specified cost of 5.00 per foot.

Drift - The $15,328.35 is for the authorized 345 feet of advance in No. 4 Drift West at the specified cost of $44.43 per foot.

Timber - The $229.50 is for the authorized timbering of an 85 foot long section in No. 4 Drift West at the specified cost of $2.70 per foot.

Analysis - The $357.00 is for the authorized sampling and assaying of 119 samples, 50 core samples from drill hole No. 31 and 69 channel samples from No. 4 Drift West, at the specified cost of $3.00 per sample.

Totals - The Totals, $18,414.85, $262,295.79, and $280,710.64 appear to be correct before a previous disallowance of $3.00.

Form MF-104A

The form appears to have been properly completed.

Narrative Report

The narrative report with attached maps and sections is acceptable.

T. M. Romalo

T. M. Romalo

cc: 7
Chron.

C O N T E N T S

July 1959

1. Narrative Report
2. Form NF-104A
3. Form NF-104
4. Core Log - Drill Hole 31
5. Map - Drill Hole 31
6. Geology Map
7. Progress & Chip Sample Map - 4 Lft W

OME
DEPARTMENT OF THE INTERIOR
AUG 17 1959
REGION III
DENVER, COLORADO

NARRATIVE REPORT

July 1959

EXTRA COPY
O. M. E.
RECEIVED SEP 28 1959

DATE	INITIALS	CODE

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team, Region III
Building 20 - Federal Center
Denver 25, Colorado

Re: Docket - DMEA 4568 (Molybdenum)
Contract No. IBM-11094
Molybdenum Corp. of America
(Moly or Questa Mine)
Taos County, New Mexico

Dear Sir:

During the period July 1 through July 31, 1959 there were 25 working days, 4 Sundays and two days off for Independence Day holiday. The mine was worked 25 days on a two shift basis.

Diamond drill hole No. 31 was completed to 502 feet. (We are reporting only 500 ft. on this report).

There were 345 feet of drifting done in the No. 4 Drift West during this period. This was in a Granite Porphyry.

Diamond drill hole No. 36 was started during this period.

Development work was carried on in No. 7 Cut and drilling on the surface.

Yours very truly,

OME
DEPARTMENT OF THE INTERIOR
AUG 17 1959
REGION III
DENVER, COLORADO

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MADE AUG 7 - 1959

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8-13	gad	VVO
"	JFT	110
8-14	Murphy	500

Building 20 - Federal Center
Denver 25, Colorado

July 31, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4968 (Molybdenum) Contract Im-K1694, Molybdenum Corporation of America (Moly or Questa mine) Taos County, New Mexico-Operator's Monthly Progress Report for the month of June 1959

Enclosed are the original and four copies each of Form MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A; therefore, documentation of the costs is not required. We recommend that payment be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by
J. W. TOWNSEND
J. W. Townsend

Enclosures

JWT:ltm

cc: Chem. Op. Comm. (2)
OME/DPC
MF-104 file, Reg. III
Emler, w/cyy Engr's Rept.
Chron.

EXTRA COPY
O. M. E.
RECEIVED AUG 13 1959
DATE | INITIALS | CODE

Building 20 - Federal Center
Denver 25, Colorado
July 30, 1959

Memorandum

TO: J. W. Townsend, Executive Officer, OME Field Team, Region III

From: T. M. Rumsle

Subject: Progress Report for June 1959--Docket No. DMRA 4568 (Molybdenum) Contract Mm-R1094, Molybdenum Corporation of America (Moly or Questa Mine) Taos County, New Mexico

Operations under the subject contract were inspected by me July 16 and 17, 1959, in company with the Operator's manager, A. L. Grenlin. Work completed during the captioned period was found to include the drilling of D. D. hole No. 30 and the construction of a station for D. D. hole No. 36. Work in progress was confined to the drilling of D. D. hole No. 31.

Detailed information relative to the contract work follows:

D. D. Hole No. 30

This hole reportedly was at a depth of 461 feet at the end of May 1959, and was bottomed June 25, 1959, at 800 feet. The size of the hole was BX to 90 feet and AX from 90 feet to its bottom. Assays of each the core and sludge for 10 foot intervals show the MoS_2 content ranges from 0.10 percent to 1.65 percent and averages about 0.85 percent. Drilling below 50 feet was in accordance with the general provisions of Exhibit "A" to the contract, as amended by Amendment No. 2. Visible MoS_2 mineralization had been estimated to be in excess of 0.2 percent to the bottom of the hole where deeper drilling with the available equipment was found impracticable.

D. D. Hole No. 31

This hole was collared June 27, 1959, and had reached a depth of 354 feet on July 15, 1959. Cost of this drilling will be charged against the project after completion of the hole.

An inspection of the core from hole 31 indicated that the extent of molybdenum mineralization is similar to that of hole 30.

Check Sampling

Seven check samples were obtained by me for analysis. Five of the samples were pulps from drill hole core, three from hole No. 30 and two from hole No. 31. The other two were chip samples from the drift from No. 1 crosscut. Advance in this approved drift will be reported in the Operator's report for July 1959.

Non-Contract Work

The non-contract work is largely confined to the driving of No. 7 crosscut north. The MoS_2 content of the crosscut reportedly appears to be a little lower than that encountered in other portions of the mine.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $4,000.00 is for the approved 800 feet of diamond drilling at the authorized cost of $5.00 per foot.

Drill Station - The $1,199.61 is for the approved 27 feet of drifting and raising at the authorized cost of $44.43 per foot.

Analysis - The $240.00 is for the analyses of the 80 samples from hole No. 30 at the authorized cost of $3.00 per sample.

Totals - The Totals, $5,439.61, $256,896.18 and $262,295.79 appear to be correct.

Form MF-104A

The form appears to have been properly completed.

Narrative Report

The narrative report with attached core log and map of D. D. hole No. 30 is considered adequate.

Original signed by
W. H. Romelo
T. H. Romelo
Mining Engineer

THR:ltm

cc: 7
Chrom.

C O N T E N T S

June 1959

1. Narrative Report

2. Form MF - 104A

3. Form MF - 104

4. Core Log - Drill Hole No. 30 (800')

5. Map - Drill Hole No. 30

NARRATIVE REPORT

June 1959

OME
DEPARTMENT OF THE INTERIOR
JUL 16 1959
REGION III
DENVER, COLORADO

Mr. J. W. Townsend
Executive Director, O.M.M.
Field Team III
224 New Customhouse
Denver 2, Colorado

During the period June 1 through June 30, 1959 there were 26 working days and 4 Sundays. The mine was worked 26 days on a two shift basis.

Diamond drill hole No. 30 was completed to 860 feet. It was still in Granite with MoS2 mineralization at the time the hole was stopped. They were unable to go any deeper with their equipment so the hole was stopped at 800 feet.

18 feet of drifting and 9 feet of raising were done at coordinate 1850 North and 1025 East for a drill station next to No. 1 CxN.

No. 31 drill hole was started underground.

Development work was carried on in No. 1 CxN, No. 1 CxN No. 4 Dft W and No. 7 CxN.

Yours very truly,

G. L. Gresham

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

AUG 13 1959
O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1959 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting & Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
~~Raising~~ Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Stoping~~ Analyses	Spl	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Winzes~~ Ream - Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				Stage II				
~~Drifting~~ Crosscut	ft	0.00	-0-	123382.11	2778	44.43	6160	44.43
~~Stoping~~ Drill Sta.	ft	1199.61	27	5998.05	135	44.43	250	44.43
~~Timbering~~ Timbering	ft	0.00	-0-	5429.70	2011	2.70	6160	2.70
~~Test Pits~~ Analyses	Spl	240.00	80	3594.00	1198	3.00	3177	3.00
~~Roadways~~ ~~Trails~~ Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drill	ft	4000.00	800	31930.00	6386	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5439.61		262295.79				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

REMARKS:

Date 7/15/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

[signature]
OME
DEPARTMENT OF THE INTERIOR
JUL 16 1959
REGION III
DENVER, COLORADO

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

13 1959 O.M.E

Month of June, 1959 Docket No. DMEA 4568 Contract No. IDM-E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	4000.00	65465.00	69465.00			
~~Sinking~~ Drill Sta	1199.61	7952.97	9152.58			
~~Drifting~~ - Drift	0.00	167812.11	167812.11			
Crosscutting						
~~Drifting~~ Timber	0.00	7946.10	7946.10			
Analyses	240.00	6180.00	6420.00			
(2) ~~Labor and Supervision~~:						
~~Labor~~ Ream - Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	5439.61	256856.18	262295.79	5439.61	256,853.18	262,292.79

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7/15/59 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 2719.80
Signature [signature] (Authorized Certifying Officer)
Date 8/3/59 Vou. No. GME 60-5
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1094 in accordance with the terms of the contract.

Signature T. Mamolo Title Mining Engineer Date 7-30-59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Adequacy

Signature J. W. Forrand Title Executive Officer Date JUL 31 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Core Log Diamond Drill Hole No 30
Date Drilled 5/18/59 to 6/25/59
Core Recovery 46.94 %

	Distance From	Distance To	Core SPL No.	Core Wt Lb	Core Wt Oz	Core % Rec	Core % Moisture	Sludge SPL No.	Sludge % Moisture	Remarks
1	0	7		3	14	2214				Transition
2	7	10		2	14	3833				"
3	8	10	8766	6	12	2700	207			
4	10	13		1	4	1467				"
5	13	17		2	6	2375				"
6	15	18		3	8	3000				"
7	18	20		2	14	1800				"
8	18	20	8767	10		4000	0.07	8767	0.22	
9	20	23		4	8	6000				"
10	23	25		4	6	5900				"
11	25	30		2	6	4750				"
12	30	30	8768	14	4	5700	0.10	8768	0.30	
13	30	31		2		8000				"
14	31	34		4	2	5500				"
15	34	36		2	2	4250				"
16	36	39			14	1167				"
17	39	40		1	12	7000				"
18	39	40	8768	10	14	4350	0.12	8769	0.17	
19	40	43			14	1167				"
20	43	45		4	10	3700				"
21	45	50		1	2	2250				"
22	50	50	8769	6	10	2650	0.20	8770	0.20	
23	50	52		1	4	2500				"
24	52	57		3	10	2900				"
25	57	60		1	14	2000				"
26	58	60	8770	6	12	2700	0.17	8771	0.20	
27	60	62		2		4000				"
28	62	66		2	12	2750				"
29	66	67		4	8	6000				"
30	67	70		2		8000				"
31	68	70	8771	11	4	4500	0.12	8802	0.25	
32	70	74		3	6	3375				"
33	74	77		1	14	1500				"
34	77	80		3	12	4000				"
35	78	80	8772	9		3600	0.22	8803	0.20	
36	78	79		6	14	6875				Granite
37	79	82		9	2	7300				"
38	79	80			12	6000				"
39	79	80	8773	16	12	7053	0.25	8804	0.20	
40	80	82			8	2000				"
41	82	84		1	4	5000				"
42	84	86		1	12	7000				"
43	86	88		1		7500				"
44	88	88		1	2	9000				"
45	88	90		1	12	9000				"
46	90	100	8774	7	6	5700	0.20	8805	0.20	

Core Log — Diamond Drill Hole no 30

Date Drilled

	Distance From	Distance To	Core SPL No	Core WT Lb	Core WT Oz	Core No Rec	Core % No Moz	Sludge SPL No	Sludge % No Moz	Remarks
1	100	104			12	0667				Granite
2	104	106		1	4	5000				"
3	106	108		2	4	9000				"
4	108	110		1	4	5000				"
5	100	110	8785	5	8	4400	0.17	8806	0.25	
6	110	113		1	6	3667				"
7	113	118		2		3200				"
8	118	119		1		7500				"
9	119	120			12	6000				"
10	110	120	8786	5	2	4100	0.12	8807	0.22	
11	120	126		4	4	5667				Transition
12	126	130		4	2	8250				"
13	120	130	8787	8	6	6700	0.12	8808	0.22	
14	130	136		5	6	7167				"
15	126	140		2	8	5000				"
16	130	140	8788	7	14	6300	0.15	8809	0.20	
17	140	141		1	6	10000				"
18	141	142			10	5000				"
19	142	143			10	5000				"
20	143	146		2		5333				"
21	146	148		2	12	7333				"
22	148	150		1		7500				"
23	140	150	8789	8	6	6700	0.17	8810	0.17	
24	150	152		1	4	5000				"
25	152	157		4	2	6600				"
26	157	159		2		8000				"
27	159	160		1	8	10000				"
28	150	160	8790	8	14	7100	0.17	8811	0.22	
29	160	164		3	6	6750				"
30	164	166		1	12	7000				"
31	166	170		4	8	9000				"
32	160	170	8791	9	10	7700	0.12	8812	0.22	
33	170	171		1	4	10000				"
34	171	176		5	10	9000				"
35	176	178		1	2	4500				"
36	178	180			6	1500				"
37	170	180	8792	8	2	6500	0.17	8813	0.22	
38	180	183			12	2000				"
39	183	185		1	12	7000				"
40	185	188		3	4	8667				"
41	188	190		2	10	10000				"
42	180	190	8793	8	6	6700	0.07	8814	0.20	
43	190	193		3	4	8667				"
44	193	200		6	2	7000				"
45	190	200	8800	9	6	7500	0.22	8815	0.42	
46	200	205		5	8	8800				"

Core Log Diamond Drill Hole No 30

	Distance From	Distance To	Core SPL No	Core Wt Lb	Core Wt Oz	Core % Rec	Core % MoS2	Sludge SPL No	Sludge % MoS2	Remarks
1	205	210		4	2	6600				Transition
2	200	210	8801	9	10	7700	027	8816	037	
3	210	211		1	6	1600				"
4	211	214			10	1667				"
5	214	219		3	8	5600				"
6	219	220			12	6000				"
7	210	220	8823	6	4	5000	030	8826	035	
8	220	221			12	6000				"
9	221	226		1	14	3000				"
10	226	230		3	4	6500				"
11	226	230	8824	5	14	4700	022	8827	027	
12	230	232		2	2	8500				"
13	232	238		4	12	6333				"
14	238	240		1	14	7500				"
15	230	240	8825	8	12	7000	012	8828	022	
16	240	243		1	10	4333				"
17	243	246			12	2000				"
18	246	250		3	2	6250				"
19	240	250	8857	5	8	4400	017	8829	020	
20	250	251		1	8	10000				"
21	251	256		4	6	7000				"
22	256	260			10	1250				"
23	250	260	8858	6	8	5200	022	8877	035	
24	260	261		1		7500				"
25	261	270		1	4	1111				"
26	260	270	8859	2	4	1800	015	8878	030	
27	270	275		5	8	8800				"
28	275	280		4		6400				"
29	270	280	8860	9	8	7600	032	8879	037	
30	280	281		1	10	10000				"
31	281	287		4	10	6167				"
32	287	290		2	6	6333				"
33	280	290	8861	8	10	6900	027	8880	032	
34	290	293		2	8	6667				" Very Siliceous
35	293	299		5	8	7333				" " "
36	299	300		1	10	10000				" " "
37	290	300	8862	9	10	7700	057	8881	032	
38	300	306		4		5333				"
39	306	310		3		6000				"
40	300	310	8863	7		5600	026	8882	025	
41	300	317		5	4	6000				"
42	317	320		3	4	8667				"
43	310	320	8864	8	8	6800	030	8883	025	
44	320	328		3	12	3750				"
45	328	330		2	6	9500				"
46	320	330	8865	6	2	4900	027	8884	037	
47										

Core Log Diamond Drill Hole 30

	Distance From	Distance To	Core SPL %	Core wt Lb	Core wt Oz	Core % Rec	Core % Moisture	Sludge SPL %	Sludge % Moisture	Remarks
1	330	335		3		4800				Transition
2	335	339		3	14	7750				"
3	339	340		1	6	100.00				"
4	330	340	8866	8	4	6600	0.25	8895	0.35	
5	340	345		1	6	2200				"
6	345	350		4		6900				"
7	340	350	8867	5	6	4300	0.35	8896	0.52	
8	350	351		1	10	100.00				"
9	351	360		5		4944				"
10	350	360	8868	6	10	5300	0.22	8897	0.40	
11	360	361		1	10	100.00				"
12	361	365		4	4	8500				"
13	365	370		4	6	7000				"
14	360	370	8869	10	4	8200	0.35	8903	0.35	
15	370	377		5	2	5857				"
16	377	380		2	12	7333				" Some Granite - Pu
17	370	380	8870	7	14	6300	0.17	8904	0.30	
18	380	385		2		3200				" " " "
19	385	390		3	6	5400				" " " "
20	380	390	8871	5	6	4300	0.27	8905	0.30	
21	390	393		2	4	6000				" " " "
22	393	400		3	6	3857				" " " "
23	390	400	8872	5	10	4500	0.35	8906	0.30	
24	400	401		1	4	100.00				Granite
25	401	410		6	6	5667				"
26	400	410	8873	7	10	6100	0.37	8907	0.52	
27	410	411		1	12	100.00				"
28	411	416		5	8	8800				"
29	416	419		3	12	100.00				Transition Granite
30	419	420		1	10	100.00				" "
31	410	420	8874	11	10	9300	0.30	8922	0.50	
32	420	429		5	12	5111				" "
33	429	430		1	4	100.00				" "
34	420	430	8875	7		5600	0.30	8923	0.55	
35	430	437		3	4	3714				" "
36	437	440		1	10	4333				"
37	430	440	8876	4	14	3900	0.50	8924	0.57	
38	440	441		1		8000				" "
39	441	448		3	2	3571				"
40	448	450			14	3500				"
41	440	450	8877	5		4000	0.27	8925	0.42	
42	450	454		1	8	3000				"
43	454	460		2	2	2833				"
44	450	460	8878	3	10	2900	0.22	8926	0.37	
45	460	461			12	6000				" "
46	461	470		3	2	3667				" "

Core Log Diamond Drill Hole No 30

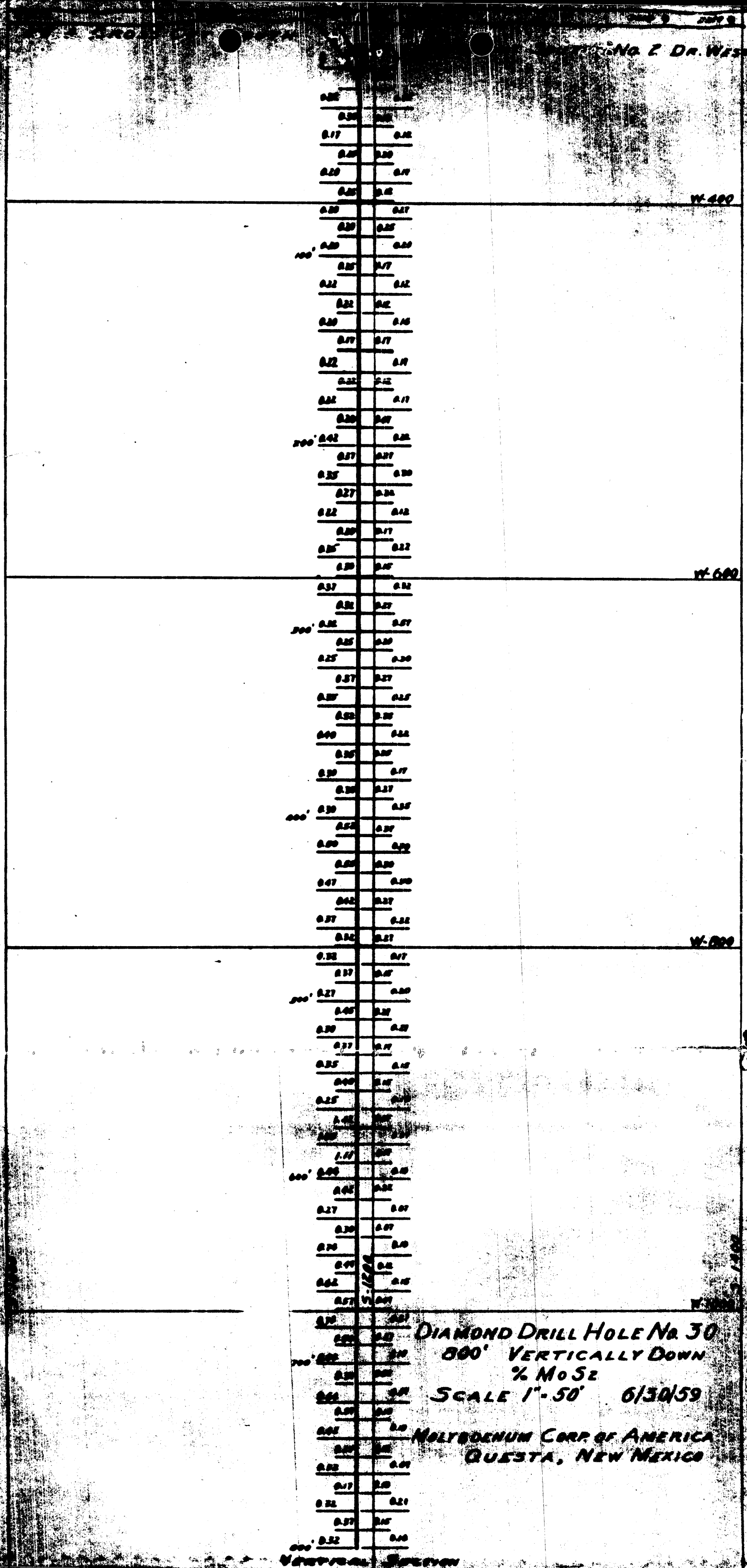
Distance From	To	Core SPL No	Core Wt Lb	Core Wt oz	Core % Rec	Core % Mesh	Sludge SPL No	Sludge % Mesh	Remarks
[illegible]	470	8900	3	14	3900	027	8927	032	
470	474		1		2000				Transition
474	480		2		2667				"
470	480	8901	3		2400	017	8928	032	
480	490	8902	4	6	3500	015	8929	037	"
490	492		1		4000				"
492	500		2	10	2625				"
490	500	8952	3	10	2900	020	8959	027	
[illegible]	502		1	14	7500				"
[illegible]	510		1	10	1625				"
[illegible]	510	8953	3	8	2800	027	8960	045	
[illegible]	512		1		4000				"
[illegible]	518		3	8	4667				"
[illegible]	520		1	10	6500				"
[illegible]	520	8954	6	2	4900	027	8961	030	
[illegible]	525		3	8	5600				"
[illegible]	529		1	6	2750				"
[illegible]	530		1	6	1400				"
[illegible]	530	8955	6	4	5000	017	8962	037	
[illegible]	535		4	6	7000				"
[illegible]	538		3	4	8667				"
[illegible]	540		1	12	7000				"
[illegible]	540	8956	9	6	7400	015	8963	035	
[illegible]	548		2	14	2875				"
[illegible]	550		1	4	5000				"
[illegible]	550	8957	4	2	3300	015	8964	050	
[illegible]	552		1	12	7000				"
[illegible]	558		4	12	6333				"
[illegible]	560		1		4000				"
[illegible]	560	8958	7	8	6000	010	8965	040	
560	563		1	10	4333				" Some Granite
563	568		3	4	5200				"
[illegible]	570		1	10	6500				"
560	570	9163	6	8	5200	015	8966	1.42	
570	578		5		4444				"
[illegible]	580			14	7000				"
[illegible]	580	9164	5	14	4900	007	9171	1.65	
580	583			14	2333				"
583	590		3	8	4000				"
580	590	9165	4	6	3500	017	9172	1.11	
[illegible]	593		2	10	7000				"
[illegible]	598		5	2	8200				"
[illegible]	600			14	3500				"
[illegible]	600	9166	8	10	6900	010	9173	0.45	
[illegible]	605		2	2	3400				"
[illegible]	610		2	4	3600				"

Core [illegible] Diamond Drill Hole [illegible]

	Distance From	To	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	600	610	[illegible]	4	6	[illegible]	[illegible]	[illegible]	042	
2	610	611		1		7500				[illegible]
3	611	620		2	4	4667				"
4	610	620	9165	6	4	3000	007	9173	027	
5	620	626		2	12	2833				"
6	626	629		1		2667				"
7	629	630		1		4500				"
8	620	630	9168	4	2	3300	007	9176	030	
9	630	634		1	4	2500				"
10	634	640		1		1333				"
11	630	640	9170	2	4	1800	010	9177	074	
12	640	641			6	3000				"
13	641	644		1	10	4333				"
14	644	650		2		2667				" Sax. Granite
15	640	650	9174	4		3200	012	9206	044	
16	650	653		2		5333				"
17	653	656		1	8	4000				"
18	656	660		1	10	3250				Granite
19	650	660	9175	5	2	4100	015	9207	062	
20	660	661		1		7500				"
21	661	669		5	4	5250				"
22	669	670			10	5000				"
23	660	670	9176	6	14	3500	007	9208	037	
24	670	676		1		1333				"
25	676	680		2	8	5000				"
26	670	680	9177	3	8	2800	037	9209	074	
27	680	684			14	1750				"
28	684	690		2	12	3667				"
29	680	690	9178	3	10	2900	027	9210	086	
30	690	692		2		8000				"
31	692	699		4	12	5429				"
32	699	700			12	6000				"
33	690	700	9179	4	8	6000	010	9211	094	
34	700	704		1	10	3250				"
35	704	710		1	8	2000				"
36	700	710	9200	3	2	2500	007	[illegible]	[illegible]	
37	[illegible]	710		1	2	7000				"
38	711	718		3	6	3857				"
39	718	720		1	8	6000				"
40	710	720	9215	6		4800	007	9213	068	
41	720	723		1	2	3000				"
42	723	730		1	8	1714				"
43	720	730	9216	2	16	2100	010	9214	057	
44	730	737			14	1000				"
45	737	740			8	1333				"
46	730	740	9217	1	6	1100	010	9229	042	

Core [illegible] Diamond Drill Hole No. 30

Distance From	Distance To	Core SPL No.	Core WT lb	Core WT oz	Core % Rec.	Core % Mass	Sludge SPL No.	Sludge % Mass	Remarks
740	748		2	4	2400				Granite
748	750			4	1000				"
750	750	9218	2	14	2300	0/12	9230	027	
750	752			4	1000				"
752	757		1	8	2500				"
757	760		2	2	3333				"
750	760	9219	1	14	1500	007	9231	032	
760	762		2	2	5000				"
762	767		4	4	4000				"
767	770		1	4	3333				"
760	770	9220	1	10	1500	010	9232	017	
770	772		0	6	1500				"
772	775		1	12	4667				"
775	780		1	14	3000				"
770	780	9221	4		2500	016	9233	022	
[illegible]	[illegible]			12	[illegible]				"
[illegible]	786		2		2000				"
[illegible]	[illegible]		2		4000				"
[illegible]	790	9222	4	12	3500	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		1	8	4000				"
[illegible]	[illegible]		4	6	[illegible]				"
[illegible]	[illegible]	9223	5	12	4600				


No. 2 Dr. West
W-400
W-600
W-800
100'
200'
300'
400'
500'
600'
700'
800'
S-1204
Diamond Drill Hole No. 30
800' Vertically Down
% MoS2
Scale 1"-50'
6/30/59
Molybdenum Corp. of America
Questa, New Mexico
Vertical Section

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. 110	6/25	[illegible]
2. 700	6/26	[illegible]
3.		
4.		
5.		
FROM: 220		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C.

M50943

FINAL DISTRIBUTION
MADE JUN 23 1959

224 New Customhouse
Denver 2, Colorado

June 19, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-E1094, Molybdenum Corporation of America (Moly or Questa mine) Taos County, New Mexico - Operator's Monthly Progress Report for the month of May 1959

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A; therefore, documentation of the costs is not required. We recommend that payment be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JWT:jy

cc: Chm. Op. Comm. (2)
OME/DFC
MF-104 File, Reg. III
Harshman w/copy of Engr's. Rpt.
Caron.

extra
~~OFFICIAL~~ FILE COPY
O. M. E.
RECEIVED JUN 25 1959

DATE	INITIALS	CODE
6/25	a	220
"	JE	
6/	JWT	110
		700

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Office of Minerals Exploration
Denver Federal Center
Denver 25, Colorado

OME
DEPARTMENT OF THE INTERIOR
JUN 19 1959
REGION III
DENVER, COLORADO

June 17, 1959

Memorandum

To: Executive Officer, OME Field Team, Region III

From: E. M. Hardman

Subject: DMEA Market 4968 (Molybdenum), Contract Ida-3 1094, Molybdenum Corporation of America (Questa mine), Taos County, New Mexico

Progress of work under the subject contract for the month of May 1959 was inspected on June 3, 1959. The operator's claim for 18 feet of raising (drill stations 30 and 31), 80.4 feet of core drilling (drill hole No. 29), and 81 analyses was verified.

E. M. Hardman

E. M. Hardman

EMHardman:arh

5

C O N T E N T S

1. Narrative Report
2. Form NF-104A
3. Form NF-104
4. Core Log - Drill Hole 29 (804')
5. Map - Drill Hole 29

NARRATIVE REPORT

MAY 1959

Questa, New Mexico
June 12, 1959

Mr. J. W. Townsend
Executive Officer, O.M.M.
Field Team III
224 New Customhouse
Denver 2, Colorado

Dear Sir:

During the period May 1 thru May 31, 1959, there were 26 working days and 5 Sundays. The mine was worked 26 days on two shifts.

Diamond drill hole No. 29 was completed to 804 feet. It was still in Granite with some mineralization when we stopped the hole.

Development work was carried on in No. 7 Crk, No. 1 Crk and drilling on the surface.

A. L. Greelin, Manager

OME
DEPARTMENT OF THE INTERIOR
JUN 15 1959
REGION III
DENVER, COLORADO

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

JUN 25 1959 O.M.E.

Month of May 195 9 Docket No. DMEA 4568 Contract No. IDM-E1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue, New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting & Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	spl	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream - Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Crosscut	ft	0.00	-0-	123382.11	2778	44.43	6160	44.43
Drill Sta.	ft	799.74	18	4798.44	108	44.43	250	44.43
Timbering	ft	0.00	-0-	5429.70	2011	2.70	6160	2.70
Analyses	spl	243.00	81	3354.00	1118	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drilling	ft	4020.00	804	27930.00	5586	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5062.74		256856.18				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date June 12, 1959 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

REMARKS:

(For Government use only)

OME
DEPARTMENT OF THE INTERIOR
JUN 15 1959
REGION III
DENVER, COLORADO

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

JUN 25 1959 DMEA

Month of May, 1959 Docket No. DMEA 4568 Contract No. IUM E10959
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue, New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	4020.00	61445.00	65465.00			
~~Building~~ Drill Sta.	799.74	7153.23	7952.97			
Crosscutting - Drift	0.00	167812.11	167812.11			
~~Dozer~~ Timber	0.00	7946.10	7946.10			
Analyses	243.00	5937.00	6180.00			
(2) ~~Dozer~~ ~~Tonnage~~						
~~Inter~~ Ream - Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	5062.74	251793.44	256856.18	5062.74	251790.44	256853.18

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 6/12/59 *Payee Molybdenum Corporation of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2531.37

Signature [signature]
(Authorized Certifying Officer)

Date 6/23/59 Vou. No. DMEA 59-117
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature E. M. Hanshman Title Geologist Date 6/17/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE Checked for Engineering Allowability

Signature J. W. Russell Title Executive Officer Date JUN 19 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Core Log: Diamond Drill Hole No. 29

Date Drilled: 4/18/59 To 5/16/59

Core Recovery: 55.36%

	① Footage From	Footage To	② Core Spl. No.	Core Weight Lb	Core Weight oz	③ Core % Rec.	④ Core % MoS2	Sludge Spl. No.	Sludge % MoS2	⑤ Remarks	⑥	⑦
1	0	5		6	12	30.86				Transition		
2	5	6			8	20.00				"		
3	6	8		3	4	65.00				Quartz - MoS2		
4	8	10		3	8	70.00				"	"	
5	0	10	8305	14		40.73	0.90	8292	0.25			
6	10	11		3	6	100.00				"	"	
7	11	16		9	8	76.00				Transition		
8	16	20		6	12	67.50				"		
9	10	20	8306	19	10	78.50	0.27	8293	0.20			
10	20	21		3	12	100.00				"		
11	21	26		10	2	80.00				"		
12	26	30		7	8	75.00				"		
13	20	30	8307	21	6	85.50	0.25	8294	0.12			
14	30	33		6	8	86.67				"		
15	33	38		10	4	82.00				"		
16	38	40		6	14	100.00				Dark Quartz - MoS2		
17	30	40	8308	23	10	94.50	0.17	8295	0.20			
18	40	43		3	6	45.00				"	"	"
19	43	48		10	2	81.00				"	"	"
20	48	50		4	12	95.00				Transition		
21	40	50	8309	18	4	73.00	0.45	8296	0.45			
22	50	53		6	6	85.00				"		
23	53	58		9	2	75.00				"		
24	58	60		5	14	100.00				"		
25	50	60	8310	21	6	85.50	0.22	8297	0.25			
26	60	65		9	6	75.00				"		
27	65	70		9	10	77.00				"		
28	60	70	8311	19		76.00	0.20	8298	0.22			
29	70	75		10	4	82.00				"		
30	75	80		10	8	84.00				"		
31	70	80	8312	20	12	83.00	0.07	8299	0.17			
32	80	85		9	12	78.00				"	Some Quartz	
33	85	90		7	14	63.00				"		
34	80	90	8313	17	10	70.50	0.15	8300	0.15			
35	90	94		6	4	62.50				"		
36	94	96		4	2	82.50				Dark Porphyry		
37	96	100		5	12	57.50				"	"	
38	90	100	8314	16	2	64.50	0.12	8301	0.17			
39	100	101		4		100.00				"	"	
40	101	110		16	8	73.33				"	"	
41	100	110	8315	20	8	82.00	0.15	8302	0.15			
42	110	111		5		100.00				"	"	
43	111	116		6	8	52.00				Granite		
44	116	117		1		40.00				Porphyry		
45	117	120		6	6	85.00				"		
46	110	120	8316	18	14	75.50	0.12	8303	0.17			
47												

Core Log Diamond Drill Hole No. 29

	① Footage From	To	② Core Spl. No.	Core Weight Lb	oz	③ Core % Rec.	Core % MoS2	④ Sludge Spl. No.	Sludge % MoS2	⑤ Remarks	⑥	⑦	
1	120	122		4		80.00				Transition			1
2	122	123		2	4	30.00				"			2
3	123	127		5	6	53.75				"			3
4	127	130		3	2	41.67				"			4
5	120	130	8317	14	12	59.00	0.15	8304	0.17				5
6	130	135		6	14	55.00				"			6
7	135	140		9	8	76.00				"			7
8	130	140	8318	16	6	65.50	0.17	8330	0.17				8
9	140	143		2	12	36/67				Granite			9
10	143	148		5	12	46.00				"			10
11	148	150		3		60.00				"			11
12	140	150	8319	11	8	46.00	0.15	8331	0.20				12
13	150	153		4	6	58.33				"			13
14	153	157		4	4	42.50				"			14
15	157	160		2	12	36.67				"			15
16	150	160	8320	11	6	45.33	0.10	8332	0.27				16
17	160	165		7	8	60.00				"			17
18	165	170		3	6	27.00				"			18
19	160	170	8321	10	14	43.50	0.12	8373	0.25				19
20	170	174		3	8	35.00				"			20
21	174	178		6		60.00				"			21
22	178	180		3		60.00				"			22
23	170	180	8322	12	8	50.00	0.15	8374	0.70				23
24	180	183		4	6	58.33				"			24
25	183	188		9		72.00				"			25
26	188	190		3	4	65.00				"			26
27	180	190	8323	16	10	66.50	0.12	8375	0.72				27
28	190	193		6	2	81.67				"			28
29	193	196		4	4	56.67				"			29
30	196	280		3	12	30.00				"			30
31	190	200	8324	14	2	66.50	0.17	8376	0.45				31
32	200	201		2	10	100.00				"			32
33	201	203		2	12	55.00				"			33
34	203	205		2	12	55.00				"			34
35	205	210		9	6	75.00				"			35
36	200	210	8523	17	8	70.00	0.20	8377	0.52				36
37	210	215		5		80.00				"			37
38	215	220		5		80.00				"			38
39	210	220	8326	10		80.00	0.12	8378	0.22				39
40	220	225		2	6	38.00				"			40
41	225	226			2	10.00				"			41
42	226	230		2	6	47.50				"			42
43	220	230	8327	4	4	39.00	0.10	8379	0.22				43
44	230	235		3	14	62.00				"			44
45	235	240		4		64.00				"			45
46	230	240	8328	7	14	62.50	0.10	8380	0.22				46
47													47

Diamond Drill Hole No. 29

	① Footage From	To	Core Spl. No.	② Core Weight lb	oz	Core % Rec.	Core % MoS2 Rec.	Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦	
1	240	245		4	6	70.00				Granite			1
2	245	250		4	10	74.00				"			2
3	240	250	8329	9		72.00	0.10	8381	0.22				3
4	250	255		4	4	68.00				"			4
5	255	260		1	8	24.00				"			5
6	250	260	8367	5	12	46.00	0.15	8382	0.17				6
7	260	270	8368	1	4	10.00	0.10	8383	0.22	"			7
8	270	271			12	60.00				"			8
9	271	278			8	05.71				"			9
10	278	280			4	10.00				"			10
11	270	280	8369	1	8	12.00	0.15	8384	0.12				11
12	280	285		1	8	24.00				"			12
13	285	290		1	2	18.00				"			13
14	280	290	8370	2	10	21.00	0.10	8385	0.12				14
15	290	292		1	6	55.00				"			15
16	292	298		2	12	36.67				"			16
17	298	300			12	30.00				"			17
18	290	300	8371	4	14	39.00	0.10	8386	0.20				18
19	300	303			10	16.67				"			19
20	303	306		1	4	33.33				"			20
21	306	309			8	13.33				"			21
22	309	310			8	40.00				"			22
23	300	310	8372	2	14	23.00	0.15	8387	0.22				23
24	310	313			6	10.00				"			24
25	313	315			10	25.00				"			25
26	315	318		1	2	30.00				"			26
27	318	320			10	25.00				"			27
28	310	320	8428	2	12	22.00	0.10	8388	0.15				28
29	320	324		2	8	50.00				"			29
30	324	326		1	4	50.00				"			30
31	326	329		1	12	46.67				"			31
32	329	330		1	2	90.00				"			32
33	320	330	8429	6	10	53.00	0.10	8389	0.15				33
34	330	339		2	4	20.00				"			34
35	339	340		3	4	100.00				"			35
36	330	340	8430	5	8	44.00	0.15	8390	0.15				36
37	340	346		3		40.00				"			37
38	346	350		2	4	45.00				"			38
39	340	350	8431	5	4	42.00	0.20	8391	0.15				39
40	350	354		2	10	52.50				"			40
41	354	358		2	8	50.00				"			41
42	358	360			12	30.00				"			42
43	350	360	8432	5	14	47.00	0.07	8392	0.12				43
44	360	365		3	6	54.00				"			44
45	365	370		2	12	44.00				"			45
46	360	370	8433	6	2	49.00	0.15	8393	0.12				46
47													47

Core Log Diamond Drill Hole No. 29

	① Footage From	To	② Core Spl. No.	Core Weight lb	oz	③ Core % Rec.	Core % MoS2	④ Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦	
1	370	372		1	2	45.00				Granite			1
2	372	375		1	2	30.00				"			2
3	375	378		3		80.00				"			3
4	378	380		1		40.00				"			4
5	370	380	8434	6	4	50.00	0.15	8394	0.15				5
6	380	383		1	2	30.00				"			6
7	383	388		2	12	44.00				"			7
8	388	390			6	15.00				"			8
9	380	390	8435	4	4	34.00	0.12	8395	0.17				9
10	390	393			8	13.33				"			10
11	393	397		2	14	57.50				"			11
12	397	400		2	12	73.33				"			12
13	390	400	8436	6	2	49.00	0.10	8510	0.15				13
14	400	402			12	30.00				"			14
15	402	404		1	4	50.00				"			15
16	404	408		2	12	55.00				"			16
17	408	410		1	6	55.00				"			17
18	400	410	8437	6	2	49.00	0.10	8511	0.15				18
19	410	416		5	6	71.67				"			19
20	416	420		3	12	75.00				"			20
21	410	420	8438	9	2	73.00	0.12	8512	0.17				21
22	420	421		2	2	100.00				"	Good MoS2		22
23	421	426		3	6	54.00				"	" "		23
24	426	428		1	14	75.00				"	" "		24
25	428	430		1	6	55.00				"	" "		25
26	420	430	8439	8	12	70.00	0.52	8513	0.30				26
27	430	433		1	6	36.67				"			27
28	433	437		2	6	47.50				"			28
29	437	439		1	8	60.00				"			29
30	439	440		2	8	100.00				"			30
31	430	440	8440	7	12	62.00	0.12	8514	0.17				31
32	440	444		1	4	25.00				"			32
33	444	450		3	10	48.33				"			33
34	440	450	8441	4	14	39.00	0.10	8515	0.22				34
35	450	454		2	4	45.00				"			35
36	454	460		2	4	30.00				"			36
37	450	460	8502	4	8	36.00	0.12	8516	0.12				37
38	460	465		2	14	46.00				"			38
39	465	467			14	35.00				"			39
40	467	470		2	4	60.00				"			40
41	460	470	8503	6		48.00	0.10	8517	0.12				41
42	470	472		1	12	70.00				"			42
43	472	477		3	12	60.00				"			43
44	477	480		1	10	70.00				"			44
45	470	480	8504	7	2	57.00	0.10	8518	0.12				45
46	480	481		1	4	100.00				"			46
47													47

Core Log Diamond Drill Hole No. 29

	① Distance From	Distance To	② Core Spl. No.	Core Weight lb	Core Weight oz	③ Core % Rec.	Core % MoS2	④ Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦	
1	481	485		3	14	77.50				Granite			1
2	485	489		3		60.00				"			2
3	489	490		1	4	100.00				"			3
4	480	490	8505	8	12	70.00	0.10	8519	0.15				4
5	490	491		1	10	100.00				"			5
6	491	496		5	2	41.00				"			6
7	496	499		2	6	23.75				"			7
8	499	500			14	70.00				"			8
9	490	500	8506	10		80.00	0.10	8520	0.17				9
10	500	501			12	60.00				"			10
11	501	503		2		80.00				"			11
12	503	509		3	10	48.33				"			12
13	509	510		1	10	100.00				"			13
14	500	510	8507	8		64.00	0.22	8521	0.17				14
15	510	512		2	2	85.00				"			15
16	512	515		3	2	83.33				Porphyry			16
17	515	520		4	4	68.00				"			17
18	510	520	8508	9	8	75.00	0.15	8522	0.17				18
19	520	523			12	20.00				Granite			19
20	523	528		3	6	54.00				"			20
21	528	530		1	8	60.00				"			21
22	520	530	8509	5	10	45.00	0.25	8541	0.35				22
23	530	532		1	2	45.00				"			23
24	532	535		2	2	56.67				"			24
25	535	539		3	4	65.00				"			25
26	539	540		1	2	90.00				"			26
27	530	540	8556	7	10	61.00	0.12	8542	0.40				27
28	540	547		1	6	15.71				"			28
29	547	550			12	20.00				"			29
30	540	550	8557	2	2	17.00	0.20	8543	0.32				30
31	550	552			10	25.00				"			31
32	552	556		2	10	52.50				"			32
33	556	560		2		40.00				"			33
34	550	560	8558	5	4	42.00	0.10	8544	0.27				34
35	560	563			10	16.67				"			35
36	563	568		1	4	20.00				"			36
37	568	570			14	35.00				"			37
38	560	570	8559	2	12	22.00	0.10	8545	0.27				38
39	570	571		1	2	90.00				"			39
40	571	575		2	10	52.50				"			40
41	575	577		2		80.00				"			41
42	577	580		3	2	83.33				"			42
43	570	580	8560	8	14	71.00	0.07	8546	0.27				43
44	580	584		1	2	22.50				"			44
45	584	589		3	4	52.00				"			45
46	589	590			12	60.00				"			46
47													47

Core Log Diamond Drill Hole No. 29

	① Footage From	To	Core Spl. No.	② Core Weight lb	oz	③ Core % Rec	Core % MoS2	④ Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦
1	580	590	8561	5	2	41.00	0.15	8594	0.22			
2	590	592			12	30.00				Granite		
3	592	595		1	10	43.33				"		
4	595	600		4	2	66.00				"		
5	590	600	8562	6	8	52.00	0.10	8595	0.20			
6	600	602		1	4	50.00				"		
7	602	604		1	12	70.00				"		
8	604	606		2		80.00				"		
9	606	608		1	4	50.00				"		
10	608	609		1	4	100.00				"		
11	609	610			8	40.00				"		
12	600	610	8624	8		64.00	0.07	8596	0.22			
13	610	612		2	8	20.00				"		
14	612	616		2	4	45.00				"		
15	616	620		2	8	50.00				"		
16	610	620	8625	5	4	42.00	0.12	8597	0.15			
17	620	625		2	4	36.00				"		
18	625	628		2	12	73.33				"		
19	628	630			12	30.00				"		
20	620	630	8626	5	12	46.00	0.07	8598	0.15			
21	630	631			12	60.00				"		
22	631	634		1	10	43.33				"		
23	634	637			4	06.67				"		
24	637	640		1	12	46.67				"		
25	630	640	8627	4	6	35.00	0.15	8599	0.17			
26	640	641		1	2	90.00				"		
27	641	645		3	4	65.00				"		
28	645	650		2	10	42.00				"		
29	640	650	8628	7		56.00	0.07	8600	0.15			
30	650	654			4	05.00				"		
31	654	660		2	4	30.00				"		
32	650	660	8629	2	8	20.00	0.07	8601	0.17			
33	660	665		3	4	52.00				"		
34	665	660			12	12.00				"		
35	660	670	8630	4		02.00	0.10	8602	0.15			
36	670	674		1	10	32.50				"		
37	674	679		3	10	58.00				"		
38	679	680		2		100.00				"		
39	670	680	8631	7	4	58.00	0.20	8637	0.17			
40	680	684		2	10	55.00				"		
41	684	689		2	10	42.00				"		
42	689	690		1	6	100.00				"		
43	680	690	8632	6	10	53.00	0.12	8638	0.15			
44	690	694		1	8	39.00				"		
45	694	700		3		40.00				"		
46	690	700	8633	4	8	36.00	0.10	8639	0.15			
47												

Core Log Diamond Drill Hole No. 29

	① Footage From	To	② Core Spl. No.	Core Weight lb	oz	③ Core % Rec.	④ Core % MoS2	Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦	
1	700	705		2	8	40.00				Granite			1
2	705	706			12	60.00				"			2
3	706	710		1	12	35.00				"			3
4	700	710	8634	5	8	40.00	0.07	8640	0.15				4
5	710	712		1	6	55.00				"			5
6	712	715		1	4	33.33				"			6
7	715	720		3	12	60.00				"			7
8	710	720	8635	6	6	51.00	0.07	8641	0.15				8
9	720	725		4	12	76.00				"			9
10	725	728		2	4	60.00				"			10
11	728	730		3	8	100.00				"			11
12	720	730	8636	10	8	84.00	0.10	8642	0.15				12
13	730	733		2		53.33				"			13
14	733	738		3	6	54.00				"			14
15	738	740		2	4	90.00				"			15
16	730	740	8643	7	10	61.00	0.05	8692	0.10				16
17	740	741		1	4	100.00				"			17
18	741	745		3		60.00				"			18
19	745	750		2	12	44.00				"			19
20	740	750	8644	7		56.00	0.05	8693	0.10				20
21	750	752		2	4	90.00				"			21
22	752	760		3		30.00				"			22
23	750	760	8645	5	4	42.00	0.07	8694	0.12				23
24	760	767		2		22.86				"			24
25	767	770		2	2	56.67				"			25
26	760	770	8646	4	2	33.00	0.05	8695	0.17				26
27	770	772		1		40.00				"			27
28	772	780		5	4	52.50				"			28
29	770	780	8688	6	4	50.00	0.15	8696	0.17				29
30	780	789		5	4	46.67				"			30
31	789	790		1		80.00				"			31
32	780	790	8689	6	4	50.00	0.10	8697	0.17				32
33	790	797		1	2	12.86				"			33
34	797	800		1		26.67				"			34
35	790	800	8690	2	2	17.00	0.07	8698	0.17				35
36	800	804	8691	1	10	35.00	0.07	8699	0.17	"			36
37													37
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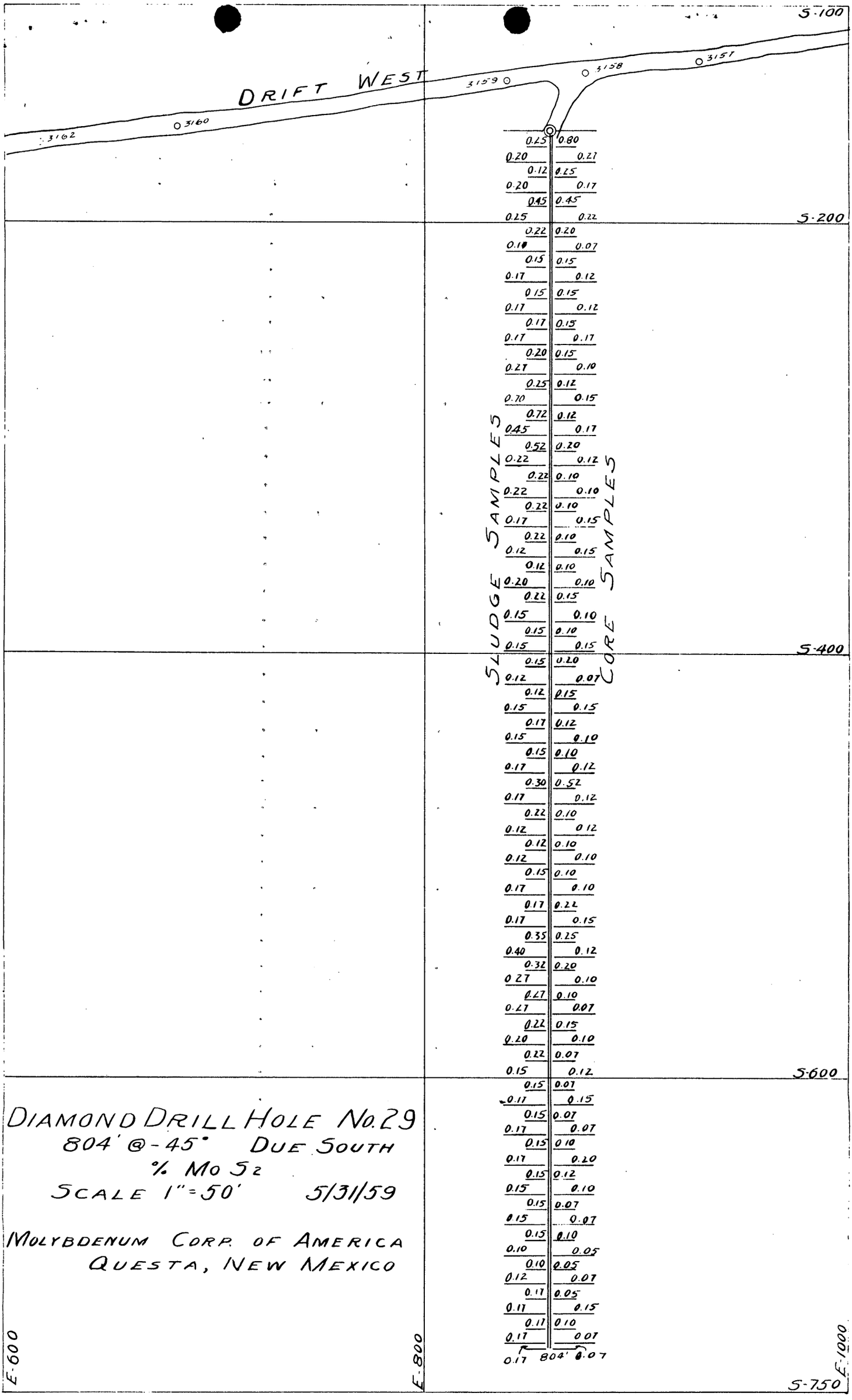
S-100
DRIFT WEST
3162
3160
3159
3158
3157
S-200
S-400
S-600
S-750
SLUDGE SAMPLES
CORE SAMPLES
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0.20 0.27
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0.17 0.10
0.17 0.07
0.17 804' 0.07
DIAMOND DRILL HOLE No. 29
804' @ -45° DUE SOUTH
% Mo S2
SCALE 1" = 50'
5/31/59
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
E-600
E-800
E-1000

FINAL DISTRIBUTION
MADE JUN 1 - 1959

224 New Customhouse
Denver 2, Colorado

May 22, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. MMRA 4568 (Molybdenum) Contract No. Idm-E1094, Molybdenum Corporation of America, (Ably or Questa mine) Taos County, New Mexico - Operator's Monthly Progress Report for the month of April, 1959

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A; therefore, documentation of the costs is not required. We recommend that payment be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JWT;ltm

cc: Chmn. Op. Comm. (2)
Belser, OME/DFC
MF-104 File, Reg. III
Harshman - w/cpy Engr's Rept
Chron.

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 4 1959

DATE	INITIALS	CODE
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6/5	[illegible]	700

OME
DEPARTMENT OF THE INTERIOR
MAY 21 1959
REGION III
DENVER, COLORADO

May 21, 1959

Memorandum

To: Executive Officer, OME Field Team, Reg. III

From: Carl Belser

Subject: Docket No. 4568 (Molybdenum) Contract Idm-E1094,
Molybdenum Corp. of America (Moly or Questa mine)
Taos County, N. M. -- Progress report for April 1959

Operations under the subject contract were inspected April 6, 1959 in company with the operator's manager, A. L. Greslin.

The operator claims payment for 300 feet of core drilling and 30 analyses.

Contract Measurements

Hole No. 22 had been deepened from 500 feet to 800 feet and the core was contained in 10 large cardboard boxes and 14 small cardboard boxes. Hole No. 29, not completed, was down 481 feet, with 426 feet - 428 feet almost solid molybdenite. The assay map shows 30 samples. Core recovery was 37.47 percent.

The following Stage II drilling (Hole 22) is allowable for April 1959.

300 feet core drilling at $5.00/ft.	$1,500.00
30 chemical analyses at $3.00/ea.	90.00
	$1,590.00

Payment of 50 percent of the above amount or $795.00 is recommended.

OFFICIAL FILE COPY
O. M. E.
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DATE	INITIALS	CODE

Carl Belser
Carl Belser
Mining Engineer

CB/mw
cc: 6
Idm-E1094
chron

C O N T E N T S

April 1959

1. Narrative Report

2. Form - MF-104A

3. Form - MF-104

4. Core Log - Drill Hole No. 22 - 500 to 800'

5. Map - Drill Hole No. 22 - 500 to 800'

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NARRATIVE REPORT

April 1959

Questa, New Mexico
May 14, 1959

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team III
224 New Customhouse
Denver 2, Colorado

Dear Sir:

During the period April 1 through April 30, 1959 there were 26 working days and 5 Sundays. The mine was worked 26 days on two shifts.

Diamond drill hole No. 22 was extended from 500 feet to 800 feet. We were still in granite at that depth but had to stop the hole as that was as far as they could drill with the equipment they have underground.

Drill hole No. 29 was started and drilled to 372 feet during the month.

Development work was carried on in No. 7 CxN, No. 1 CxN and drilling on the surface.

A. L. Greslin

A. L. Greslin, Manager

OME
DEPARTMENT OF THE INTERIOR
MAY 18 1959
REGION III
DENVER, COLORADO

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

JUN 4 1959 O.M.E.

Month of April 1959 Docket No. DMEA 4568 Contract No. IDM-E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue, New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting - Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	Spl	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift Crosscut	ft	0.00	-0-	123382.11	2778	44.43	6160	44.43
Drill Sta.	ft	0.00	-0-	3998.70	90	44.43	250	44.43
Timbering	ft	0.00	-0-	5429.70	2011	2.70	6160	2.70
Analyses	Spl	90.00	30	3111.00	1037	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drill	ft	1500.00	300	23910.00	4782	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1590.00		251793.44				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 5/14/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

REMARKS:

(Instructions on reverse)

(For Government use only) [signature]

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April 195 9 Docket No. DMEA 4568 Contract No. IDM-E1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	1500.00	59945.00	61445.00			
~~xxxxxx~~ Drill Sta. Bulldozing	0.00	7153.23	7153.23			
Crosscutting - Drift	0.00	167812.11	167812.11			
~~xxxxx~~ Timber Drifting	0.00	7946.10	7946.10			
Analyses	90.00	5847.00	5937.00			
~~xxxxxxxxxxxxxx~~ (2) Labor and Supervision:						
~~xxxx~~ Ream-Case Labor	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	~~1590.00~~	~~250203.44~~	~~251793.44~~	1590.00	250,200.44	251,790.44

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 14, 1959 Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 795.00
Signature [signature]
(Authorized Certifying Officer)
Date 5/25/59 Vou. No. DME 59-110
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Edm-E1094 in accordance with the terms of the contract.

Signature Carl Belum (P795.oc) Title Mining Engineer Date 5/21/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Checked for Engineering Allowability

Signature [illegible] Title Executive Officer Date MAY 22 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Core Log — Diamond Drill Hole No. 22

Date Drilled — 3/30/59 to 4/16/59 500' to 800'

Core Recovery — 37.47%

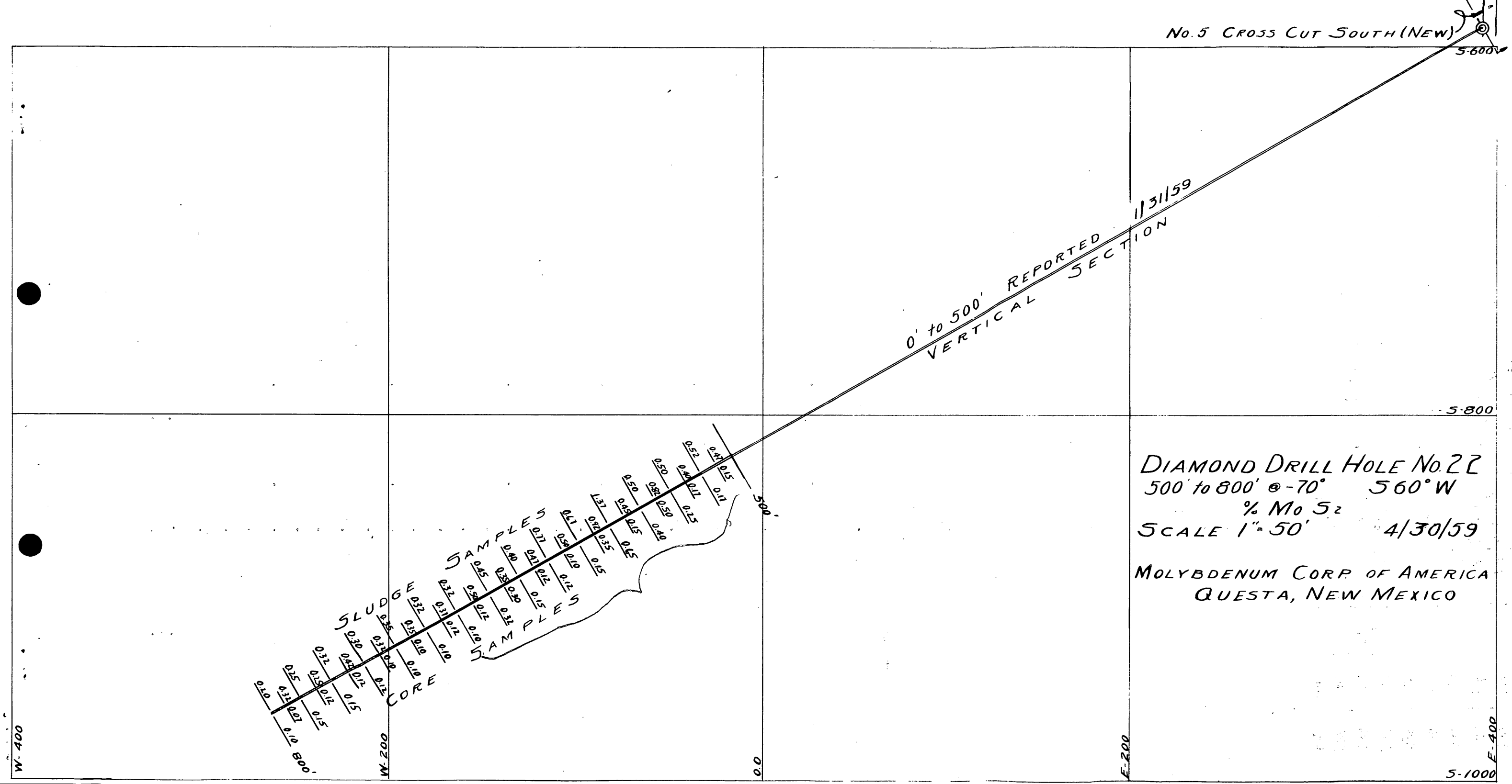
	① Footage From	Footage To	② Core Spl. No.	Core Weight lb	Core Weight oz	③ Core % Rec.	④ Core % MoS2	Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦
1	500	503		1	14	50.00				Granite		
2	503	507		1	2	22.50				"	& Porphyry	
3	507	510		1	6	36.67				"	"	
4	500	510	8114	4	6	35.00	0.15	8120	0.47			
5	510	511			10	50.00				Porphyry		
6	511	514		1	8	40.00				"		
7	514	516		1	6	55.00				"		
8	516	520			12	15.00				"		
9	510	520	8115	4	4	34.00	0.17	8121	0.52			
10	520	527		1	10	18.57				Granite		
11	527	530			12	20.00				"		
12	520	530	8116	2	6	19.00	0.17	8122	0.40			
13	530	531			12	60.00				"		
14	531	534		1	8	40.00				"		
15	534	536		1		40.00				"		
16	536	537		1		80.00				"		
17	537	538			8	40.00				"		
18	538	540		1	2	45.00				"		
19	530	540	8117	5	14	47.00	0.25	8123	0.50			
20	540	542		1		40.00				"		
21	542	546		2	14	57.50				"		
22	546	550		2	8	50.00				"		
23	540	550	8118	6	6	51.00	0.50	8124	0.82			
24	550	551		1	6	100.00				"		
25	551	553		1	10	65.00				"		
26	553	555		2	10	100.00				"		
27	555	557		1	14	75.00				"		
28	557	560		2	8	66.67				"		
29	550	560	8119	10		80.00	0.40	8125	0.50			
30	560	562		2	4	90.00				"		
31	562	564		1	2	45.00				"		
32	564	568		1	10	32.50				"		
33	568	570		2	4	90.00				"		
34	560	570	8148	7	4	58.00	0.15	8126	0.45			
35	570	571		1		80.00				"		
36	571	575		2	8	50.00				"		
37	575	579		3	14	77.50				"		
38	579	580			12	60.00				"		
39	570	580	8149	8	2	65.00	0.65	8127	1.37			
40	580	582		1	4	50.00				"		
41	582	584		1	8	60.00				"		
42	584	587		1	10	43.33				"		
43	587	590			14	23.33				"		
44	580	590	8150	5	4	42.00	0.35	8128	0.92			
45	590	592			14	35.00				"		
46	592	597		1	4	20.00				"		
47												

Core Log Diamond Drill Hole No. 22

	① Footage From	To	② Core Spl. No.	Core Weight lb	oz	③ Core % Rec	Core % MoS2	④ Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦	
1	597	600			8	13.33				Granite			1
2	590	600	8151	2	10	21.00	0.15	8129	0.67				2
3	600	601			8	40.00				"			3
4	601	602			8	40.00				"			4
5	602	603			4	20.00				"			5
6	603	604			4	20.00				"			6
7	604	610		1		13.33				"			7
8	600	610	8152	2	8	20.00	0.10	8130	0.50				8
9	610	611			14	70.00				"			9
10	611	617			10	08.33				"			10
11	617	620			8	13.33				"			11
12	610	620	8153	2		16.00	0.12	8131	0.77				12
13	620	621			10	50.00				"			13
14	621	625			6	07.50				"			14
15	625	630			12	12.00				"			15
16	620	630	8154	1	12	14.00	0.12	8132	0.47				16
17	630	631			8	40.00				"			17
18	631	635		0		0.00							18
19	635	637		1	12	70.00				"			19
20	637	640		3	4	86.67				"			20
21	630	640	8155	5	8	44.00	0.15	8133	0.40				21
22	640	643		1	8	40.00				"			22
23	643	650		1	14	21.43				"			23
24	640	650	8156	3	6	27.00	0.30	8134	0.35				24
25	650	655		1	12	28.00				"			25
26	655	659		1	6	27.50				"			26
27	659	660			10	50.00				"			27
28	650	660	8157	3	12	30.00	0.32	8142	0.45				28
29	660	664			12	15.00				"			29
30	664	666			12	30.00				"			30
31	666	670			12	15.00				"			31
32	660	670	8158	2	4	18.00	0.12	8143	0.50				32
33	670	672			8	20.00				"			33
34	672	677			12	12.00				"			34
35	677	680		1		26.67				"			35
36	670	680	8159	2	4	18.00	0.10	8144	0.32				36
37	680	682		1	6	55.00				"	Quart z		37
38	682	684		1	8	60.00				"	"		38
39	684	689		2		32.00				"	"		39
40	689	690			12	60.00				"	"		40
41	680	690	8160	5	10	45.00	0.12	8145	0.37				41
42	690	693			12	20.00				"	"		42
43	693	696		1	8	40.00				"	"		43
44	696	698		1	2	45.00				"	"		44
45	698	700		1		40.00				"	"		45
46	690	700	8161	4	6	35.00	0.10	8146	0.32				46
47													47

Drill Log: Diamond Drill Hole No. 22

	① Footage From	To	② Core Spl. No.	Core Weight Lb	Oz	③ Core % Rec.	Core % MoS2	④ Sludge Spl. No.	Sludge % MoS2	⑤	⑥ Remarks	⑦	
1	700	702		1	4	50.00				Granite - Quartz			1
2	702	707		1	8	24.00				"			2
3	707	710		1	6	36.67				"			3
4	700	710	8162	4	2	33.00	0.10	8147	0.35				4
5	710	712		1	4	50.00				"			5
6	712	714			12	30.00				"			6
7	714	717		1	12	46.67				"			7
8	717	720		1	8	40.00				"			8
9	710	720	8163	5	4	42.00	0.10	8175	0.35				9
10	720	723		1	6	36.67				"			10
11	723	726		3	2	83.33				"			11
12	726	728		1	8	60.00				"			12
13	728	730		1	8	60.00				"			13
14	720	730	8164	7	12	62.00	0.10	8176	0.32				14
15	730	731		1		80.00				"			15
16	731	738		1	6	15.71				"			16
17	738	740		2	2	85.00				"			17
18	730	740	8165	4	8	36.00	0.12	8177	0.30				18
19	740	743		1	4	33.33				"			19
20	743	747		2	4	45.00				"			20
21	747	750		1	14	50.00				"			21
22	740	750	8197	5	6	43.00	0.12	8178	0.42				22
23	750	752		1	12	70.00				"			23
24	752	753		1	6	100.00				"			24
25	753	758		4	12	76.00				"			25
26	758	760		1	6	55.00				"			26
27	750	760	8198	9	4	74.00	0.15	8179	0.32				27
28	760	763		1	12	46.67				"			28
29	763	768		5		80.00				"			29
30	768	770		1	2	45.00				"			30
31	760	770	8199	7	14	63.00	0.12	8180	0.25				31
32	770	772			12	30.00				"			32
33	772	776		2	4	45.00				"			33
34	776	780			14	17.50				"			34
35	770	780	8200	3	14	31.00	0.15	8203	0.25				35
36	780	781			14	70.00				"			36
37	781	782			12	60.00				"			37
38	782	786		1	4	25.00				"			38
39	786	790			4	05.00				"			39
40	780	790	8201	3	2	25.00	0.07	8204	0.32				40
41	790	791			4	20.00				"			41
42	791	795			8	10.00				"			42
43	795	797			6	15.00				"			43
44	797	800		1	12	46.67				"			44
45	790	800	8202	2	14	23.00	0.10	8205	0.20				45
46													46
47													47



DIAMOND DRILL HOLE No. 22
500' to 800' @ -70° S60°W
% Mo S2
SCALE 1" = 50' 4/30/59

MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO

FINAL DISTRIBUTION

MADE APR 23 1959

224 New Customhouse
Denver 2, Colorado
April 22, 1959

EXTRA COPY O. M. E. RECEIVED APR 27 1959		
DATE	INITIALS	CODE
4/27		110
4/28		700

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. BMEA 4568 (Molybdenum) Contract No. Ida K1004, Molybdenum Corporation of America, (Moly or Questa mine) Taos County, New Mexico - Operator's Monthly Progress Report for the month of March, 1959

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A, therefore documentation of the costs is not required. We recommend that payment be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Remarks:

Date of Report----------April 14, 1959
Date Received in Field Office----------April --- 1959
Date Received in Region Office---------April 21, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JDC:hmh

cc: Chmn. Op. Comm. (2)
Belser, OME/DFC
MF-104 file, Reg. III
Harshman - w/copy Engr's Report
Chron

EXTRA COPY
O. M. E.
RECEIVED APR 27 1959

DATE	INITIALS	CODE

OME
DEPARTMENT OF THE INTERIOR
APR 21 1959
REGION III
DENVER, COLORADO

April 20, 1959

Memorandum

To: Executive Officer, OME

From: Carl Belser

Subject: Docket No. DMEA 4568 (Molybdenum) Contract I6m-R1094, Molybdenum Corp. of America (Moly or Questa mine) Taos County, N. M. -- Progress report for March 1959

Operations under the subject contract were inspected April 6, 1959 in company with A. L. Greslin, manager.

The operator claims payment for 1075 feet of core drilling and 108 chemical analyses.

Contract Measurements

The core from hole 26 was in 11 small cardboard boxes and 5 large boxes. The end of the core in the last box was tagged 396 feet. The core from hole 27 was 679 feet long and was contained in 4 large cardboard boxes and 26 small boxes. The 108 chemical analyses are shown on the maps and core logs. Both holes were drilled correctly as to direction and size. Core recovery was 55.8 percent.

Approved:

1075 feet of core drilling at $5.00/ft.	$5,375.00
108 chemical analyses at $3.00/each	324.00
	$5,699.00

Payment of 50 percent of the above amount or $2,849.50 is recommended.

Stage II chemical analyses is 1,006 instead of 1,007. One sample deducted by DMEA in January has not yet been deducted from the forms.

Carl Belser
Carl Belser
Mining Engineer

CB/mw
cc: 6 I6m-R1094 chron

C O N T E N T S

March 1959

1. Narrative Report

2. Form MF-k04A

3. Form MF-104

4. Core Log - Drill Hole 27

5. Map - Drill Hole 27

6. Core Log - Drill Hole 26

7. Map - Drill Hole 26

OME
DEPARTMENT OF THE INTERIOR
APR 16 1959
REGION III
DENVER, COLORADO

NARRATIVE REPORT

March 1959

Questa, New Mexico
April 13, 1959

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team III
224 New Customhouse
Denver 2, Colorado

Dear Sir:

During the period March 1 through March 31, 1959 there were 26 working days and 5 Sundays. The mine was worked 26 days.

Diamond drill hole No. 27 was completed to 679 feet, where we had to stop the hole. They stuck the rods there.

Diamond drill hole No. 26 was completed to 396 feet and we had to stop there. The ground was squeezing so that we were unable to get back to the bottom of the hole.

Development work was carried on in No. 7 CxN and No. 1 CxN.

A. L. Greslin

A. L. Greslin, Manager

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

APR 22 1959 O.M.E.

Month of March 1959 Docket No. DMEA 4568 Contract No. DMEA 1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting - Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta	ft	0.00	-0-	3154.53	71	44.43	115	44.43
~~Raising~~ Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
~~Stats~~ Analyses	Spl	0.00	-0-	2826.00	942	3.00	1100	3.00
~~Ses~~ Ream - Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift ~~ing~~ Crosscut	ft	0.00	-0-	123382.11	2778	44.43	6160	44.43
~~Stopping~~ Drill Sta	ft	0.00	-0-	3998.70	90	44.43	250	44.43
~~Raising~~ Timbering	ft	0.00	-0-	5429.70	2011	2.70	6160	2.70
~~Stats~~ Analyses	Spl	324.00	108	3021.00	1007	3.00	3177	3.00
~~Ses~~ Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drill	ft	5375.00	1075	22410.00	4482	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5699.00		250203.44				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 4/14/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only) Carl Belzer

RECEIVED APR 22 1959 AUDITS BUREAU OF MINES REGION III DENVER, COLO.

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1959 Docket No. DMEA 4568 Contract No. IDM - E1094
Operator's Name Molybdenum Corp. of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $510,500.00 Government Participation 50 % Amount, $255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	5375.00	54570.00	59945.00			
~~Bulldozing~~ Drill Sta.	0.00	7153.23	7153.23			
Crosscutting Drift	0.00	167812.11	167812.11			
~~Drilling~~ Timber	0.00	7946.10	7946.10			
Analyses	324.00	5523.00	5847.00			
(2) ~~Labor and Supervision~~:						
~~Labor~~ Ream - Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	5699.00	244504.44	250203.44	5699.00	244504.44	250,196.44

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 4/14/59 *Payee Molybdenum Corp. of America

Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: 2849.50

$2849.50

Signature [signature] (Authorized Certifying Officer)

Date 4/23/59 Vou. No. DME 59-103

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Fdm-E1094 in accordance with the terms of the contract.

Signature Carl Belin ($2,849.50) Title Mining Engineer Date 4/20/59

Checked as to Engineering Allowability

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date APR 22 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Core Log Drill Hole No. 27

Drilled February 5 thru March 9, 1959

% Core Recovery 57.88

	Distance From	Distance To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	% MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	0	5		2	14	12.78				Transition
2	5	10		5	6	43.00				"
3	0	10	7518	8	4	23.57	0.20			
4	10	13		5	6	71.67				"
5	13	15		2	6	47.50				"
6	15	17.5		4	6	70.00				"
7	17.5	19		3	6	90.00				"
8	19	20		2	8	100.00				"
9	10	20	7519	18		72.00	0.15	7499	0.12	
10	20	22		3		60.00				"
11	22	23		1	4	50.00				"
12	23	24		1	6	55.00				"
13	24	30		1		66.67				"
14	20	30	7520	6	10	26.50	0.20	7500	0.15	
15	30	31		1	2	45.00				Granite
16	31	32		2		80.00				"
17	32	33		1	12	70.00				"
18	33	34		1	8	60.00				"
19	34	40		2	8	16.67				"
20	30	40	7521	9	14	39.50	0.15	7501	0.27	
21	40	42		1	4	25.00				"
22	42	44		1		20.00				"
23	44	47.5		2		22.86				"
24	47.5	48.5		3		100.00				"
25	48.5	49		2		100.00				"
26	49	50		1	10	65.00				"
27	40	50	7522	10	14	43.50	0.22	7502	0.25	"
28	50	54		4	4	42.50				"
29	54	55		2	2	85.00				"
30	55	57		2	12	55.00				"
31	57	59.5		7	4	100.00				"
32	59.5	60		3		100.00				"
33	50	60	7523	19	6	77.50	0.35	7503	0.25	
34	60	63		2	10	35.00				"
35	63	64		1	12	70.00				"
36	64	66		2	4	45.00				"
37	66	68		2	10	52.50				"
38	68	69		1	14	75.00				"
39	69	70			14	35.00				"
40	60	70	7530	12		48.00	0.30	7504	0.32	"
41	70	71		1	8	60.00				"
42	71	73		3		40.00				Granite with some transition
43	73	76		3	8	46.67				" " " "
44	76	77		1	4	50.00				" " " "
45	77	79		2	12	55.00				" " " "
46	79	80		1	10	65.00				" " " "
47										

Core Log Diamond Drill Hole No. 27

	Distance From	Distance To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	% MoS2	Sludge Sample No.	Sludge % MoS2	Remarks
1	70	80	7531	13	10	54.50	0.12	7525	0.22	
2	80	86		8	2	54.17				Granite
3	86	90		6	10	66.25				"
4	80	90	7532	14	12	59.00	0.30	7526	0.20	
5	90	93		5	8	73.33				"
6	93	94.5		2	6	63.33				"
7	94.5	97		3	4	52.00				"
8	97	100		2	14	38.33				"
9	90	100	7533	14		56.00	0.12	7527	0.22	
10	100	102		2	12	55.00				"
11	102	105		4	8	60.00				Aplite - Good Showing MoS2
12	105	110		1	12	14.00				" " " "
13	100	110	7534	9		36.00	0.35	7528	0.70	
14	110	112		1	4	25.00				" " " "
15	112	114		1	10	32.50				" " " "
16	114	116		1	2	22.50				" " " "
17	116	117		1	8	60.00				" " " "
18	117	120		3	8	26.67				" " " "
19	110	120	7535	9		36.00	1.97	7529	1.47	
20	120	122		3	8	52.50				" " " "
21	122	123		2	2	85.00				" " " "
22	123	124		2	8	100.00				Granite with some Porphyry
23	124	125		2	6	95.00				" " " "
24	125	127		4	2	82.50				" " " "
25	127	128		1	8	60.00				"
26	128	130		1	2	22.50				"
27	120	130	7558	17	4	69.00	0.25	7550	1.22	
28	130	132		3	4	65.00				"
29	132	136		7	2	71.25				" " Good MoS2
30	136	140		4	10	46.25				" " Seams MoS2
31	130	140	7559	15		60.00	0.20	7551	0.82	
32	140	141		5		100.00				"
33	141	144		5	10	75.00				"
34	144	146		5	6	100.00				"
35	146	147.5		2	14	76.67				"
36	147.5	148		1	6	100.00				"
37	148	150		3		60.00				"
38	140	150	7560	23	4	93.00	0.12	7552	0.72	
39	150	151		2		80.00				"
40	151	159		2	6	23.75				"
41	159	160			4	20.00				"
42	150	160	7561	4	10	37.00	0.27	7553	1.10	
43	160	161			2	10.00				"
44	161	162.5		1	2	60.00				"
45	162.5	167.5		5		80.00				" with 2' Porphyry
46	167.5	168.5		1	2	90.00				Porphyry
47										

Core Log Drill Hole No. 27

	Distance From	Distance To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	% MoS2	Sludge Spl. No.	Sludge % MoS2		
1	168.5	170		2		100.00				Porphyry	1
2	160	170	7562	9	6	75.00	0.42	7554	0.92		2
3	170	176		5	8	73.33				Transition	3
4	176	177			14	70.00				"	4
5	177	180		3	10	96.67				Granite	5
6	170	180	7578	10		80.00	0.30	7555	0.40		6
7	180	182		1	2	45.00				Transition	7
8	182	187		4	2	66.00				"	8
9	187	190		3		80.00				"	9
10	180	190	7579	8	4	66.00	0.50	7556	0.50	"	10
11	190	192		2	2	85.00				"	11
12	192	197		4	2	66.00				"	12
13	197	200		3	6	83.33				"	13
14	190	200	7580	9	10	77.00	0.35	7557	0.55		14
15	200	203		2		53.33				Granite	15
16	203	207		1	4	25.00				"	16
17	207	209		1	6	55.00				"	17
18	209	210			4	20.00				"	18
19	200	210	7581	4	14	39.00	0.20	7574	0.40		19
20	210	212			4	10.00				"	20
21	212	216			10	12.50				"	21
22	216	219			2	33.33				"	22
23	219	220			8	40.00				"	23
24	210	220	7582	1	8	12.00	0.12	7575	0.25		24
25	220	224		2	2	42.50				"	25
26	224	228		3	14	77.50				Transition	26
27	228	230		1	6	55.00				"	27
28	220	230	7593	7	6	59.00	0.37	7576	0.22		28
29	230	231		1	2	90.00				"	29
30	231	233.5		1	12	56.00				"	30
31	233.5	236		2		64.00				"	31
32	236	237.5		1	8	80.00				"	32
33	237.5	239		1	14	100.00				"	33
34	239	240		1	4	100.00				"	34
35	230	240	7594	9	8	76.00	0.12	7577	0.27		35
36	240	241		1	2	90.00				"	36
37	241	243		1	10	65.00				"	37
38	243	244		1	16	80.00				"	38
39	244	246		1	6	55.00				"	39
40	246	249		3	6	90.00				"	40
41	249	250		1	6	100.00				"	41
42	240	250	7646	9	14	79.00	0.15	7651	0.25		42
43	250	252		1	4	50.00				Good Qtz - MoS2	43
44	252	255		1		26.67				" " "	44
45	255	259		3	6	67.50				" " "	45
46	259	260		2	4	100.00				" " "	46
47											47

Core Log Diamond drill hole No. 27

	Distance From	Distance To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	250	260	7647	17	14	63.00	0.17	7652	0.50	
2	260	264		2	4	45.00				Porphyry - Quartz
3	264	269		4	8	72.00				" "
4	269	270		2	4	100.00				" "
5	260	270	7648	9		72.00	0.27	7653	0.45	
6	270	274		2	4	45.00				" "
7	274	278		2	12	55.00				" "
8	278	280		2	2	85.00				Transition
9	270	280	7649	7	2	57.00	0.35	7654	0.52	
10	280	285		5	4	84.00				Porphyry
11	285	287		1	8	60.00				"
12	287	290		1	12	46.67				"
13	280	290	7650	8	8	68.00	0.20	7655	0.67	
14	290	292		1	6	55.00				"
15	292	295		1	8	34.29				"
16	295	300		2	8	44.44				"
17	290	300	7666	5	6	43.00	0.32	7656	0.62	
18	300	301		1	12	70.00				"
19	301	306		1	10	26.00				Granite
20	306	310		2	10	5250				"
21	300	310	7667	6		48.00	0.20	7657	0.27	
22	310	311		1	12	100.00				"
23	311	316		4	6	70.00				"
24	316	320		2	12	55.00				"
25	310	320	7668	8	14	71.00	0.17	7658	0.35	
26	320	321		2	2	100.00				"
27	321	326		4	8	72.00				"
28	326	330		4	10	92.50				"
29	320	330	7669	11	4	90.00	0.12	7659	0.37	
30	330	331			10	50.00				"
31	331	336		5	10	90.00				"
32	336	340		2	8	50.00				"
33	330	340	7670	8	12	70.00	0.12	7660	0.37	
34	340	341		2		100.00				"
35	341	346		3	4	52.00				"
36	346	350		2		40.00				"
37	340	350	7671	7	4	58.00	0.17	7661	0.37	
38	350	351		1	4	100.00				"
39	351	353		2	12	88.00				"
40	353	357		2	2	48.57				"
41	357	360		1	14	50.00				"
42	350	360	7672	8		64.00	0.20	7662	0.37	
43	360	365		1	4	20.00				Transition
44	365	368		2	10	70.00				"
45	368	370			14	35.00				"
46	360	370	7673	4	12	38.00	0.25	7663	0.42	
47										

Core Log Diamond Drill Hole No. 27

	Distance From	Distance To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks	
1	370	371			14	70.00				Transition	1
2	371	374		2	8	66.67				"	2
3	374	379		3	2	50.00				"	3
4	379	380			8	40.00				"	4
5	370	380	7674	7		56.00	0.15	7664	0.42		5
6	380	386			12	10.00				Granite	6
7	386	390		2	2	42.50				"	7
8	380	390	7675	2	14	23.00	0.15	7665	0.37		8
9	390	392		1	10	65.00				"	9
10	392	393		1	10	100.00				"	10
11	393	396		3	8	93.33				"	11
12	396	397		1	2	90.00				"	12
13	397	399		2	4	90.00				"	13
14	399	400		1		80.00				"	14
15	390	400	7679	11	2	89.00	0.15	7685	0.47		15
16	400	401			14	70.00				"	16
17	401	402			12	60.00				"	17
18	402	405		3	8	93.33				"	18
19	405	406		1	10	86.67				"	19
20	406	410		2		45.71				"	20
21	400	410	7680	8	12	70.00	0.12	7686	0.45		21
22	410	411		1	8	100.00				"	22
23	411	415		3	4	65.00				"	23
24	415	420		2	14	46.00				"	24
25	410	420	7681	7	10	61.00	0.12	7687	0.42		25
26	420	426		5	2	68.33				"	26
27	426	430		4	2	82.50				"	27
28	420	430	7682	9	4	74.00	0.10	7688	0.47		28
29	430	431		1	8	100.00				"	29
30	431	436		2	8	40.00				"	30
31	436	438		1	6	55.00				"	31
32	438	440			4	10.00				"	32
33	430	440	7683	5	10	45.00	0.12	7689	0.40		33
34	440	442			6	15.00				"	34
35	442	446		2	4	45.00				"	35
36	446	450		1		20.00				"	36
37	440	450	7684	3	10	29.00	0.35	7690	0.40		37
38	450	452		2	4	90.00				Transition	38
39	452	454		2	2	85.00				"	39
40	454	459		4	10	74.00				"	40
41	459	460			14	70.00				"	41
42	450	460	7763	9	14	79.00	0.07	7691	0.47		42
43	460	466		2	14	38.33				Porphyry	43
44	466	469		3	6	90.00				"	44
45	469	470			8	40.00				"	45
46	460	470	7764	6	12	54.00	0.07	7740	0.50		46
47											47

Core Log Diamond Drill Hole No. 27

	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2		Remarks	
1	470	473			12	20.00				Porphyry		1
2	473	478			4	4.00				"		2
3	478	480		2	2	85.00				"		3
4	470	480	7765	6	14	55.00	0.07	7741	0.37			4
5	480	483		2	12	73.33				"		5
6	483	488		4	12	76.00				"		6
7	488	490		3	2	100.00				"		7
8	480	490	7766	10	10	85.00	0.10	7742	0.37			8
9	490	493		2	2	56.66				"		9
10	493	498		5	2	82.00				"		10
11	498	500		2	10	100.00				"		11
12	490	500	7767	9	14	79.00	0.07	7743	0.45			12
13	500	503		2	12	73.33				"		13
14	503	508		2	8	40.00				"		14
15	508	510		2	14	100.00				"		15
16	500	510	7768	8	2	65.00	0.12	7744	0.45			16
17	510	513		2	14	76.66				"		17
18	513	518		5		80.00				"		18
19	518	520		1	14	75.00				"		19
20	510	520	7769	9	12	78.00	0.10	7745	0.25			20
21	520	522		2		80.00				"		21
22	522	527		4	2	66.00				"		22
23	527	530		1	14	50.00				"		23
24	520	530	7770	8		64.00	0.10	7746	0.32			24
25	530	531		3	4	100.00				"	Quartz - Granite	25
26	531	533		2	4	90.00				"	" "	26
27	533	538		5		80.00				"	" "	27
28	538	540		2	4	90.00				"	" "	28
29	530	540	7771	12	12	100.00	0.07	7747	0.25			29
30	540	543		3		80.00				"	" "	30
31	543	548		5	4	84.00				"	" "	31
32	548	550		3	12	100.00				"	" "	32
33	540	550	7772	12		96.00	0.05	7748	0.25			33
34	550	553		1	10	43.33				"	Granite	34
35	553	558		5	2	82.00				"	"	35
36	558	560		2	8	100.00				"	"	36
37	550	560	7773	9	4	74.00	0.07	7749	0.22			37
38	560	562		1	10	65.00				"	"	38
39	562	567		4		64.00				"	"	39
40	567	570		1	10	43.33				"	"	40
41	560	570	7774	7	4	58.00	0.10	7759	0.25			41
42	570	572		2	2	85.00				"	"	42
43	572	577		2	2	34.00				"	"	43
44	577	580		1	2	30.00				"	"	44
45	570	580	7775	5	6	43.00	0.22	7760	0.27			45
46												46
47												47

Core Log Diamond Drill Hole No. 27

	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	580	582		1	2	45.00				Porphyry - Granite
2	582	587		4	2	66.00				" "
3	587	590		1	12	56.67				" "
4	580	590	7806	7		56.00	0.12	7761	0.25	
5	590	591		1	6	100.00				" "
6	591	596		3	12	60.00				" "
7	596	600		2	4	45.00				" "
8	590	600	7807	7	6	59.00	0.15	7762	0.25	
9	600	601		1.	12	100.00				" "
10	601	607		5	4	70.00				" "
11	607	610		2	8	66.67				" "
12	600	610	7808	9	8	76.00	0.12	7812	0.17	
13	610	615		2	14	46.00				Granite - Quartz
14	615	620		2	4	36.00				" "
15	610	620	7809	5	2	41.00	0.10	7813	0.25	
16	620	625		2	4	36.00				" "
17	625	630		3	8	56.00				" "
18	620	630	7810	5	12	46.00	0.22	7814	0.27	
19	630	631		1	2	90.00				" "
20	631	636		3	12	58.00				" "
21	636	640			6	7.50				" "
22	630	640	7811	5	2	41.00	0.12	7815	0.30	
23	640	643			6	10.00				" "
24	643	648		1	10	26.00				" "
25	648	650			4	10.00				" "
26	640	650	7817	2	4	18.00	0.10	7816	0.22	
27	650	651			4	20.00				" "
28	651	653		2		40.00				" "
29	653	658		4	4	68.00				" "
30	658	660		1	8	60.00				" "
31	650	660	7818	8		64.00	0.27	7829	0.15	
32	660	663		1	14	50.00				" "
33	663	665		1	14	75.00				" "
34	665	669		3	4	65.00				" "
35	669	670			14	70.00				" "
36	660	670	7819	6	14	55.00	0.25	7830	0.25	
37	670	671			6	30.00				" "
38	671	674		2	10	70.00				" "
39	674	679		5	4	84.00				" "
40	670	679	7869	8	4	73.33	0.15	7831	0.25	
41										
42										
43										
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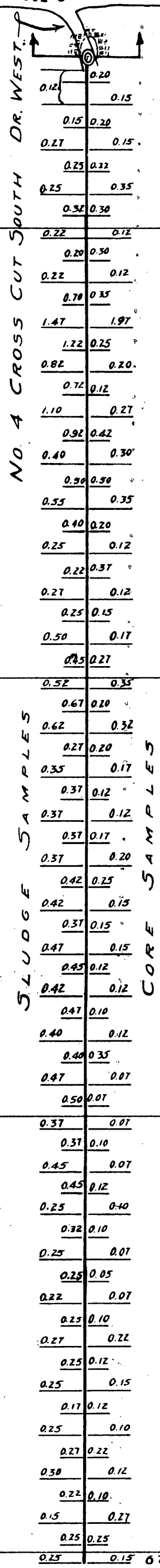
47										

5-600 | 5-800 | W-200 | 5-1000

No. 4 Cross Cut South

5025 | 5207 | 5210 | 5126



W-400

W-600

Diamond Drill Hole No. 27
679' Vertically Down
~Vertical Section~
% Mo S2
Scale 1" = 50' 3/31/59

Molybdenum Corp. of America
Questa, New Mexico

W-800

W-1000

Core Log — Diamond Drill Hole No. 26

Date Drilled — 3/11/59 to 3/28/59

Core Recovery — 53.65%

	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks	
1	0	3		2	12	20.37				Granite	1
2	3	6		3	4	43.33				"	2
3	6	10		8	8	85.00				Transition	3
4	0	10	7870	14	8	46.77	0.17				4
5	10	12		4	8	90.00				"	5
6	12	13		2		80.00				"	6
7	13	17		8	8	85.00				"	7
8	17	20		7	6	98.33				"	8
9	10	20	7871	22	14	91.50	0.12				9
10	20	24		8		87.50				"	10
11	24	27		6	4	83.33				"	11
12	27	29		3	12	75.00				"	12
13	29	30		3	2	100.00				"	13
14	20	30	7872	21	14	87.50	0.05	7874	0.12		14
15	30	34		6	4	62.50				"	15
16	34	38		8	4	82.50				"	16
17	38	40		4	14	97.50				"	17
18	30	40	7873	19	6	77.50	0.10	7875	0.12		18
19	40	42		3	8	40.00				"	19
20	42	46		8	4	82.50				"	20
21	46	49		2	12	73.33				"	21
22	49	50		1	4	100.00				"	22
23	40	50	7878	15	12	78.75	0.15	7876	0.17		23
24	50	52		1	12	70.00				"	24
25	52	55		2	6	63.33				"	25
26	55	58		3	4	86.67				"	26
27	58	60		2		80.00				"	27
28	50	60	7879	9	6	75.00	0.15	7877	0.12		28
29	60	63		3	4	86.67				"	29
30	63	68		4	12	76.00				"	30
31	68	70		1		40.00				"	31
32	60	70	7880	9		72.00	0.12	7888	0.22		32
33	70	72		2		80.00				"	33
34	72	75			14	23.34				"	34
35	75	80		2	8	40.00				"	35
36	70	80	7881	5	6	43.00	0.27	7889	0.12		36
37	80	82		2	2	85.00				"	37
38	82	85		2		53.33				"	38
39	85	89		2	8	50.00				"	39
40	89	90			10	50.00				"	40
41	80	90	7882	7	4	58.00	0.17	7890	0.15		41
42	90	91			12	60.00				"	42
43	91	94		2	6	63.34				"	43
44	94	96			12	30.00				"	44
45	96	100			10	12.50				"	45
46	90	100	7883	4	8	36.00	0.15	7891	0.15		46
47											47

Core Log Diamond Drill Hole No. 26

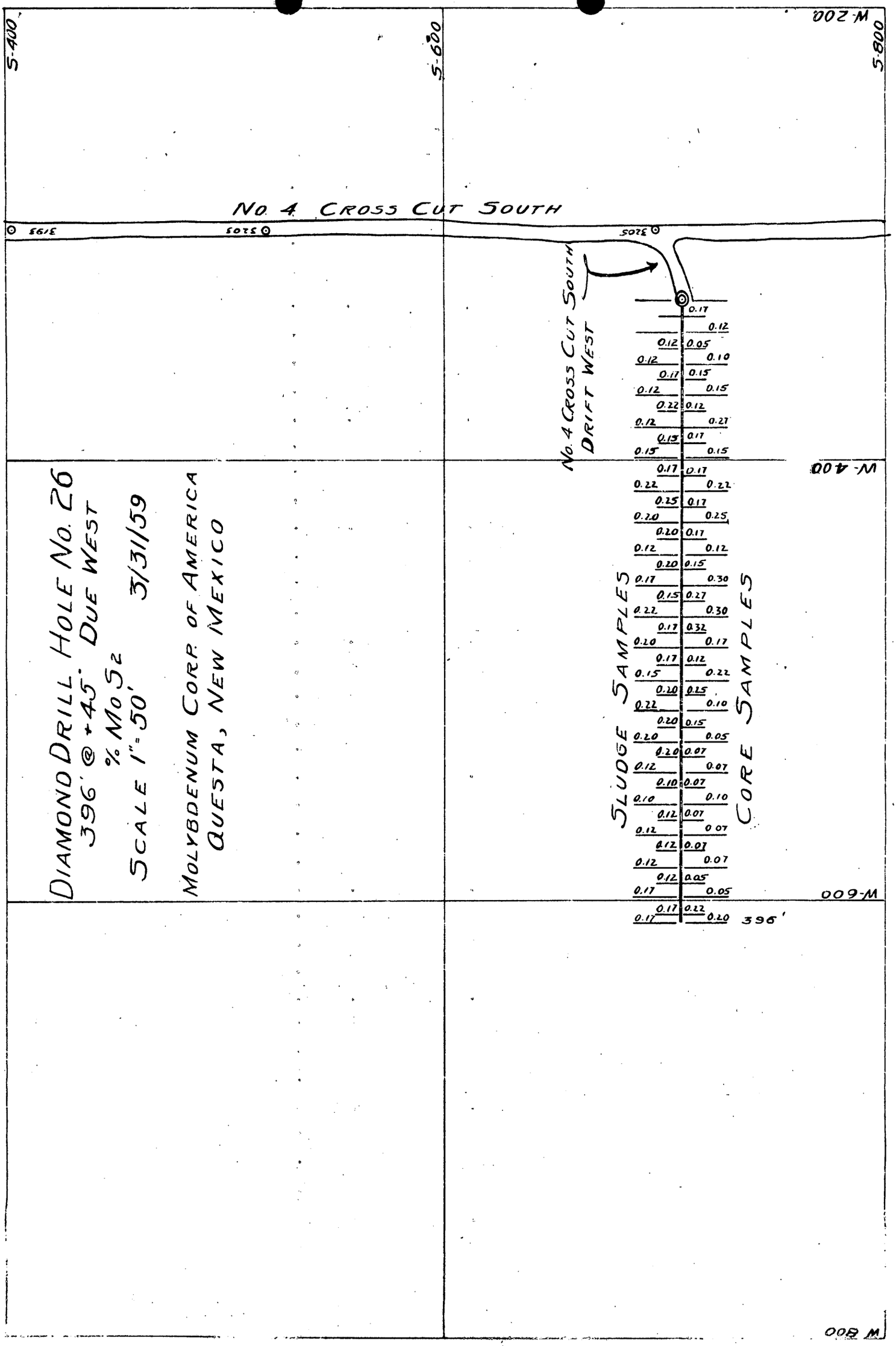
	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks	
1	100	101			8	40.00				Transition	1
2	101	103			12	30.00				"	2
3	103	106		1	2	30.00				"	3
4	106	110		1	10	32.50				"	4
5	100	110	7884	4		32.00	0.17	7892	0.17		5
6	110	117		1		11.43				"	6
7	117	119		1	8	60.00				"	7
8	119	120		1		80.00				"	8
9	110	120	7885	3	8	28.00	0.22	7893	0.22		9
10	120	122			12	30.00				"	10
11	122	125		2		53.33				" - Spots of Granite	11
12	125	127		1	10	65.00				"	12
13	127	130		2	12	73.33				"	13
14	120	130	7886	7	2	57.00	0.17	7894	0.25		14
15	130	133		3	4	86.67				"	15
16	133	135		1	10	65.00				"	16
17	135	139		2	8	50.00				"	17
18	139	140		1		80.00				"	18
19	130	140	7887	8	6	67.00	0.25	7895	0.20		19
20	140	143		1		26.67				"	20
21	143	144			12	60.00				"	21
22	144	149		3	12	60.00				"	22
23	149	150		1		80.00				Porphyry - Quartz	23
24	140	150	7903	6	8	52.00	0.17	7896	0.20		24
25	150	151			14	70.00				" "	25
26	151	155		4	6	87.50				" "	26
27	155	157		1	6	55.00				" "	27
28	157	158		1	2	90.00				" "	28
29	158	160		1	2	45.00				Transition	29
30	150	160	7904	8	10	69.00	0.12	7897	0.12		30
31	160	161		1	4	100.00				"	31
32	161	164		2	10	70.00				"	32
33	164	167		1	4	33.33				"	33
34	167	168			8	40.00				"	34
35	168	170			6	15.00				Granite	35
36	160	170	7917	6	2	49.00	0.15	7898	0.20		36
37	170	172		2		80.00				"	37
38	172	176		2	8	50.00				"	38
39	176	179		2	6	63.33				"	39
40	179	180		1	4	100.00				"	40
41	170	180	7918	8	2	65.00	0.30	7899	0.17		41
42	180	183		1	4	33.33				"	42
43	183	187		3	8	70.00				" - Quartz	43
44	187	190		2		53.33				" "	44
45	180	190	7919	6	12	54.00	0.27	7927	0.15		45
46	190	193		3	12	100.00				Transition	46
47											47

Core Log , Drill Hole No. 26

	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks	
1	193	197		3	14	77.50				Transition	1
2	197	200		1	6	36.67				"	2
3	190	200	7920	9		72.00	0.30	7928	0.22		3
4	200	202		3	4	100.00				"	4
5	202	205		3	2	83.33				"	5
6	205	209		2	14	57.50				"	6
7	209	210		1		80.00				"	7
8	200	210	7921	10	4	82.00	0.32	7929	0.17		8
9	210	214		1		20.00				"	9
10	214	219		3	10	58.00				"	10
11	219	220			12	60.00				"	11
12	210	220	7922	5	6	43.00	0.17	7930	0.20		12
13	220	221			8	40.00				"	13
14	221	226		2	8	40.00				"	14
15	226	230		3		60.00				"	15
16	220	230	7923	6		48.00	0.12	7931	0.17		16
17	230	231			14	70.00				"	17
18	231	236		4	4	68.00				"	18
19	236	240		3		60.00				"	19
20	230	240	7924	8	2	65.00	0.22	7932	0.15		20
21	240	241		2	8	100.00				"	21
22	241	245		4		80.00				"	22
23	245	249		3	4	65.00				"	23
24	249	250		1	12	100.00				"	24
25	240	250	7925	11	8	92.00	0.25	7933	0.20		25
26	250	253		2	10	70.00				Porphyry	26
27	253	258			8	8.00				"	27
28	258	260			8	20.00				"	28
29	250	260	7926	3	10	29.00	0.10	7958	0.22		29
30	260	264			6	7.50				"	30
31	264	265			8	40.00				"	31
32	265	268		1	10	43.33				"	32
33	268	270		2	2	85.00				"	33
34	260	270	7960	4	10	37.00	0.15	7959	0.20		34
35	270	271		1	10	100.00				"	35
36	271	276		1	8	24.00				"	36
37	276	279		1	12	46.67				"	37
38	279	280			12	60.00				"	38
39	270	280	7961	5	10	45.00	0.05	7988	0.20		39
40	280	281			12	60.00				"	40
41	281	283		1	10	65.00				"	41
42	283	286		2	14	76.67				"	42
43	286	290		2	8	50.00				"	43
44	280	290	7975	7	12	62.00	0.07	7989	0.20		44
45	290	294		1		20.00				"	45
46	294	300		1	4	16.67				"	46
47											47

Core Log Diamond Drill Hole No. 26

	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	290	300	7976	2	4	18.00	0.07	7990	0.12	
2	300	305			12	12.00				Porphyry
3	305	308			8	13.33				"
4	308	310			8	20.00				"
5	300	310	7977	1	12	14.00	0.07	7991	0.10	
6	310	312			4	10.00				"
7	312	315			12	20.00				"
8	315	320			10	10.00				"
9	310	320	7978	1	10	13.00	0.10	7992	0.10	
10	320	322			10	25.00				"
11	322	326			6	7.50				"
12	326	330			6	7.50				"
13	320	330	7979	1	6	11.00	0.07	7993	0.12	
14	330	331			4	20.00				"
15	331	333		1	4	50.00				"
16	333	340		1	2	12.86				"
17	330	340	7980	2	10	21.00	0.07	8006	0.12	
18	340	341			14	70.00				"
19	341	344		1	8	40.00				"
20	344	347			10	16.67				"
21	347	350		2		53.33				"
22	340	350	7981	5		40.00	0.07	8007	0.12	
23	350	353		2		53.33				"
24	353	357		2		40.00				"
25	357	360			10	16.67				"
26	350	360	7982	4	10	37.00	0.07	8008	0.12	
27	360	362			12	60.00				"
28	362	367		3		48.00				"
29	367	370			14	23.33				"
30	360	370	7983	4	10	37.00	0.05	8009	0.12	
31	370	373			14	23.33				"
32	373	377		1	4	25.00				"
33	377	380		1	4	33.33				Transition
34	370	380	7984	3	6	27.00	0.05	8010	0.17	
35	380	383		1	8	40.00				"
36	383	388		1	12	28.00				"
37	388	390		2	4	90.00				"
38	380	390	7985	5	8	44.00	0.22	8011	0.17	
39	390	392		2		80.00				"
40	392	394		2	12	100.00				"
41	394	395			8	40.00				Porphyry
42	395	396			12	60.00				"
43	390	396	7986	6		80.00	0.20	8012	0.17	
44										
45										
46										
47										


5-400
5-600
W-200
5-800
No. 4 Cross Cut South
3193
3205
3205
No. 4 Cross Cut South
Drift West
0.17
0.12
0.12 0.05
0.12 0.10
0.17 0.15
0.12 0.15
0.22 0.12
0.12 0.27
0.15 0.17
0.15 0.15
W-400
0.17 0.17
0.22 0.22
0.25 0.17
0.20 0.25
0.20 0.17
0.12 0.12
0.20 0.15
0.17 0.30
0.15 0.27
0.22 0.30
0.17 0.32
0.20 0.17
0.17 0.12
0.15 0.22
0.20 0.25
0.22 0.10
0.20 0.15
0.20 0.05
0.20 0.07
0.12 0.07
0.10 0.07
0.10 0.10
0.12 0.07
0.12 0.07
0.12 0.07
0.12 0.05
0.17 0.05
W-600
0.17 0.22
0.17 0.20
396'
Sludge Samples
Core Samples
Diamond Drill Hole No. 26
396' @ +45° Due West
% MoS2
Scale 1" = 50'
3/31/59
Molybdenum Corp. of America
Questa, New Mexico
W-800

FINAL DISTRIBUTION

MADE MAR 24 1959

224 New Customhouse
Denver 2, Colorado
March 20, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 23

DATE		
3/26	C	220
3/27	Murphy	110

Memorandum

To: T.A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-K1094, Molybdenum Corporation of America, (Moly or Questa mine) Taos County, New Mexico - Operator's Monthly Progress Report for the month of February, 1959

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A, therefore documentation of the costs is not required. We recommend that payment be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report.

Remarks:

Date of Report----------March 16, 1959
Date Received in Field Office----------March 19, 1959
Date Received in Region Office----------March 20, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JDC:hmh

cc: Chmn. Op. Comm. (2)
Belser, OME/DPC
MF-104 file, Reg. III
Marshman - w/copy Engr's Report
Chron

OME
DEPARTMENT OF THE INTERIOR

MAR 20 1959
REGION III
DENVER, COLORADO

March 19, 1959

Memorandum

To: Executive Officer, OME Field Team, Region III

From: Carl Belser

Subject: Docket No. DMEA 4563 (Molybdenum) Contract Idm-E1094,
Molybdenum Corporation of America (Moly or Questa mine)
Taos County, New Mexico — Progress report for February 1959

Operations on the subject contract were inspected March 3, 1959, in company with the mine foreman, Robert Creal.

The operator claims payment for 12 feet of raising at Station 27. When inspected, this station measured 12 feet by 8 feet by 8 feet. Drill hole No. 27 was not completed during February and is not claimed.

The following allowable Stage II work was done in February 1959:

12 feet of raising at Station for Drill Hole 27 at $44.43 per ft. $533.16

Payment of 50 percent of the above amount, or $266.58 is recommended.

Carl Belser
Carl Belser
Mining Engineer

CB-mw
cc: 6
Idm-E1094
chron

C O N T E N T S

February 1959

1. Narrative Report

2. Form - MF - 104A

3. Form - MF - 104

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

MAR 26 1959 O.M.E.

Month of February, 1959 Docket No. DMEA 4568 Contract No. IDM - E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	0.00	54570.00	54570.00			
~~xxxxxxx~~ Drill Sta.	533.16	6620.07	7153.23			
Crosscutting - Drift	0.00	167812.11	167812.11			
~~xxxxx~~ Timber	0.00	7946.10	7946.10			
Analyses	0.00	5523.00	5523.00			
(2) ~~xxxxxxxxxxxxxx~~:						
~~xxxx~~ Ream-Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	533.16	243971.28	244504.44	533.16	243968.28	244501.44

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3/16/59 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 366.58
Signature [signature]
(Authorized Certifying Officer)
Date 3/24/59 Vou. No. OME 59-96
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Fdn-E1694 in accordance with the terms of the contract.

Signature Carl Belser (264.58) Title Mining Engineer Date 3/19/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [illegible] Title Executive Officer Date MAR 20 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1959 Docket No. DMEA 4568 Contract No. IDM E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting - Crosscut	ft	0.00	0	44430.00	1000	44.43	1000	44.43
~~Crosscutting~~ Drill Sta.	ft	0.00	0	3154.53	71	44.43	115	44.43
~~Raising~~ Timbering	ft	0.00	0	2516.40	932	2.70	1000	2.70
~~Shaft~~ Analyses	Spl	0.00	0	2826.00	942	3.00	1100	3.00
~~Winzes~~ Ream - Case	ft	0.00	0	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	0	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift ~~Auger~~ Crosscut	ft	0.00	0	123382.11	2778	44.43	6160	44.43
~~Slappak~~ Drill Sta.	ft	533.16	12	3998.70	90	44.43	250	44.43
~~Trenching~~ Timbering	ft	0.00	0	5429.70	2011	2.70	6160	2.70
~~Test Pits~~ Analyses	Spl	0.00	0	2697.00	899	3.00	3177	3.00
~~Roads and Trails~~ Ream-Case	ft	0.00	0	1000.00	1000	1.00	1000	1.00
Core Drill	ft	0.00	0	17035.00	3407	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		533.16		244504.44				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 3/16/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

[signature]

OME
DEPARTMENT OF THE INTERIOR
MAR 18 1959
REGION III
DENVER, COLORADO

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

NARRATIVE REPORT

February 1959

OME
DEPARTMENT OF THE INTERIOR
MAR 20 1959
REGION III
DENVER, COLORADO

Questa, New Mexico
March 16, 1959

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team III
224 New Customhouse
Denver 2, Colorado

Dear Sir:

During the period February 1 through February 28, 1959 there were 24 working days and 4 Sundays. The mine was worked 24 days.

Diamond drilling was carried on underground and on the surface.

Drill hole No. 27 was down to 562 feet on February 28th. It was drilled to 679 feet. The drillers stuck the rods there and we had to stop the hole. The hole was still in a Porphyry granite with MoS_2 values over 0.25%

12 feet of raising were done at coordinate 850 East in drift west to make room to drill hole No. 29.

Development work was carried on in No. 1 CxN and No. 7 CxN.

A. L. Greslin

A. L. Greslin, Manager

OME
DEPARTMENT OF THE INTERIOR
MAR 18 1959
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 20 1959

DATE	INITIALS	CODE
		220
		110
		700

FINAL DISTRIBUTION
MADE MAR 17 1959

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION 1130 90
320 Murphy

Administrative Audit Difference Statement

Molybdenum Corporation of America
500 Fifth Avenue
New York 18, New York

Date: March 17, 1959
Payee's Reference: January 1959

DMEA-4568

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 3,005.44

Difference $ 3.00

Amount Approved $ 3,002.44

The reason for the difference was due to:

Disallowance, Analyses

The Operator has reported the cost for 50 sample analyses; however, review of the sample data indicates that only 49 intervals were sampled in hole No. 82. The reported cost for one sample analysis is disallowed, as follows:

Disallowed reported cost for one sample analysis at $3.00 ——— $3.00

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado
March 16, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4568 (Molybdenum) Contract Idm-E1094, Molybdenum Corporation of America, (Moly or Questa mine) Taos County, New Mexico - Operator's Monthly Progress report for the month of January, 1959

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

Hole No. 22 was completed to a depth of 500 feet as originally planned; however, the hole encountered mineralization in excess of 1 percent M_oS_2 from 470 to 500 feet; therefore, Government approval to reinter and deepen the hole is pending.

Except as otherwise indicated below, we consider that the operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A, therefore documentation of the costs is not required. We recommend that payment be made to the Operator on the following basis, contingent on your verification of applicable rates and arithmetical accuracy within the report.

Disallowance, Analyses

The Operator has reported the cost for 50 sample analyses; however, review of the sample data indicates that only 49 intervals were sampled in hole No. 22. The reported cost for one sample analysis is to be disallowed, as follows:

Disallow reported cost for one sample analysis at $3.00---- $3.00

Reconciliation with Amount Reported by the Operator on Form MF-104 for the month of January, 1959

Amount reported on Form MF-104 for January, 1959------	$3005.44
Amount to be disallowed----------	3.00
Acceptable cost for January, 1959----------	$3002.44
Government participation at 50 percent----------	$1501.22

Remarks:

Date of Report---------- February 14, 1959
Date Received in Field Office---------- February 17, 1959
Date Received in Region Office---------- March 9, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JBC:hmh

cc: Chmn. Op. Comm. (2)
Belser, CME/DPC
MF-104 file, Reg. III
Harshman) w/copy of
Cooper) Engr's Report
Chron

OME
DEPARTMENT OF THE INTERIOR

MAR 9 - 1959
REGION III
DENVER, COLORADO

March 6, 1959

Memorandum

To: Executive Officer, OME

From: Carl Belser

Subject: Docket No. DMEA 4563 (Molybdenum) Contract Idm-E1094,
Molybdenum Corp. of America (Moly or Questa mine)
Taos County, N. M. -- Progress report for January 1959

Operations under the subject contract were inspected on March 3, 1959 in company with the mine foreman, Robert Creel.

The operator claims payment in January 1959 for 3 feet of drill station, 500 feet of core drilling and 50 chemical analyses.

Contract Measurements

Only 49 samples could be counted on the maps and assay sheets. Diamond drill hole No. 22 was checked and was S. 60° W., dip -70°. The hole was drilled BX to 290 feet and was AX from there to 500 feet. The core was contained in 15 cardboard boxes. The drill station measured 7.9' x 10.4' x 7' or 575 cubic feet as against the 280 cu. ft. 7' x 8' x 5' claimed.

Advance by the company on No. 1 CxX totaled 633 feet and on No. 7 CxX 612 feet. No. 27 hole was being drilled vertical and was down 607 feet. Withheld - 1 chemical analysis at 3.00.

Approved:

3 foot drill station at $44.43 per foot	$355.44
500 feet of core drilling at $5.00 per feet	2500.00
49 chemical analyses at $3.00 each	147.00
	$3,002.44

Payment of 50 percent of the above amount or $1,501.22 is recommended.

Carl Belser
Carl Belser
Mining Engineer

CB-mr
cc: 6 Idm-E1094 chron

C O N T E N T S

January 1959

1. Narrative Report
2. Form MF-104A
3. Form MF-104
4. Core Log - Drill Hole No. 22
5. Map - Drill Hole No. 22

NARRATIVE REPORT

January 1959

Questa, New Mexico
February 13, 1959

Mr. J. W. Townsend
Executive Officer, O.M.E.
Field Team III
224 New Customhouse
Denver 2, Colorado

Dear Sir:

During the period January 1 through January 31, 1959, there were 27 working days, 4 Sundays,. The mine worked 27 days. The diamond drill crew worked 21 days.

Diamond drill hole No. 22 was completed to 500 feet. It was started on January 8th and completed on January 31st.

8 feet of raising were done in No. 4 CxS coordinate 700 S. to make room to drill holes 26 and 27.

Development work was carried on in No. 1 CxN and No. 7 CxN.

A. L. Greslin

A. L. Greslin, Manager

OME
DEPARTMENT OF THE INTERIOR
FEB 16 1959
REGION III
DENVER, COLORADO

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 195 9 Docket No. DMEA 4568 Contract No. IDM E 1094

Operator's Name Molybdenum Corporation of America Minerals Molybdenum

Address 375 Park Avenue New York 22, N Y

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				STAGE I				
Drifting & Crosscut	ft	0.00	-0-	44430.00	1000	44.43	1000	44.43
Drill Sta.	ft	0.00	-0-	3154.53	71	44.43	115	44.43
Timbering	ft	0.00	-0-	2516.40	932	2.70	1000	2.70
Analyses	SPL	0.00	-0-	2826.00	942	3.00	1100	3.00
Ream-Case	ft	0.00	-0-	500.00	500	1.00	500	1.00
Drilling: Core	ft	0.00	-0-	37535.00	7507	5.00	9000	5.00
				STAGE II				
Drift & Crosscut	ft	0.00	-0-	123382.11	2778	44.43	6160	44.43
Drill Sta.	ft	355.44	8	3465.54	78	44.43	250	44.43
Timbering	ft	0.00	-0-	5429.70	2011	2.70	6160	2.70
Analyses	Spl	150.00	50	2697.00	899	3.00	3177	3.00
Ream-Case	ft	0.00	-0-	1000.00	1000	1.00	1000	1.00
Core Drill	ft	2500.00	500	17035.00	3407	5.00	19500	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3005.44		243971.28				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 2/14/59 Operator Molybdenum Corp. of America

Per [signature] Title Manager

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only) [signature]

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1959 Docket No. DMEA 4568 Contract No. IDM E 1094
Operator's Name Molybdenum Corporation of America Minerals Molybdenum
Address 375 Park Avenue New York 22, N Y
Contract Amount, $ 510,500.00 Government Participation: 50 % Amount, $ 255,250.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	2500.00	52070.00	54570.00			
~~Bulldozing~~ Drill Sta	355.44	6264.63	6620.07			
Crosscutting & Drifting	0.00	167812.11	167812.11			
~~Drifting~~ Timbering	0.00	7946.10	7946.10			
Analyses	150.00	5373.00	5523.00			
(2) ~~Labor and Supervision~~						
~~Labor~~ Ream & Case	0.00	1500.00	1500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3005.44	240965.84	243971.28	3002.44	240965.84	243968.28

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2/14/59 *Payee Molybdenum Corp. of America
Per [signature] Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$1501.22
Signature [signature]
(Authorized Certifying Officer)
Date 3/17/59 Vou. No. DME 59-94
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. DMA-E1C94 in accordance with the terms of the contract.

Signature Carl Belen (1,501.22) Title Mining Engineer Date 3/6/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [illegible] Title Executive Officer Date MAR 13 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Core Log — Drill Hole No. 22

Date Drilled — January 8 to 31, 1959

Core Recovery — 54.39%

	Distance From	Distance To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec	% MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	0	6		1	8	10.00				Transition
2	6	9		4	6	58.33				"
3	9	10		3	14	100.00				"
4	0	10	7258	9	12	39.00	0.40	7288	0.12	
5	10	14		5	12	57.50				"
6	14	16		4	8	90.00				"
7	16	20		6	12	67.50				"
8	10	20	7259	16	1	64.25	0.17	7289	0.12	
9	20	21		4	4	100.00				Black Porphyry
10	21	30		18		80.00				"
11	20	30	7260	22	4	89.00	0.10	7290	0.20	
12	30	31		5	4	100.00				"
13	31	34		4	12	63.33				"
14	34	40		5	8	36.67				"
15	30	40	7262	15	8	62.00	0.05	7291	0.12	
16	40	41		3	12	100.00				"
17	41	50		4	10	20.56				"
18	40	50	7263	8	6	34.00	0.12	7292	0.07	
19	50	51		3	2	100.00				"
20	51	60		11	4	50.00				"
21	50	60	7264	14	6	57.50	0.10	7293	0.17	
22	60	64		4	12	47.50				"
23	64	70		15	8	100.00				"
24	60	70	7265	20	4	81.00	0.12	7294	0.12	"
25	70	74		4	6	43.75				"
26	74	80		4	10	30.83				"
27	70	80	7266	9		36.00	0.05	7295	0.07	
28	80	84		4	8	45.00				"
29	84	90		8	4	55.00				Transition
30	80	90	7267	12	12	51.00	0.07	7296	0.10	
31	90	93		6	6	85.00				"
32	93	100		10	8	60.00				"
33	90	100	7268	16	14	67.50	0.12	7297	0.12	
34	100	101		3	2	100.00				"
35	101	110		17	12	78.89				"
36	100	110	7269	20	14	83.50	0.07	7298	0.12	
37	110	111		4	8	100.00				"
38	111	120		17	12	78.89				"
39	110	120	7270	22	4	87.50	0.15	7299	0.20	
40	120	121		3		100.00				"
41	121	126		8		64.00				"
42	126	130		14	12	100.00				"
43	120	130	7271	25	12	100.00	0.10	7300	0.22	
44	130	136		4	8	30.00				"
45	136	140		15	14	100.00				Aplite
46	130	140	7284	20	6	81.50	0.10	7301	0.20	
47										

Core Log Diamond Drill Hole No. 22

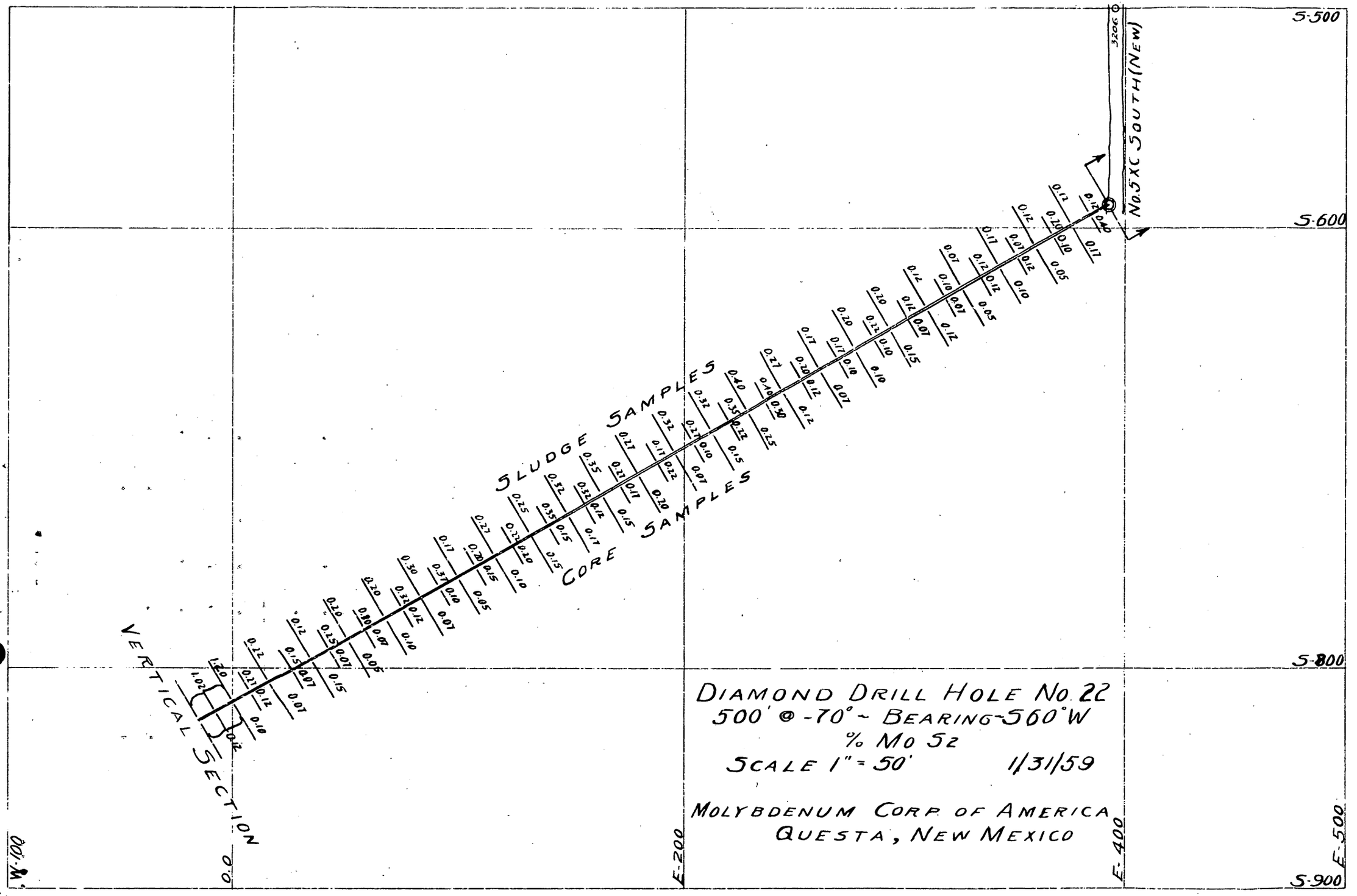
	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	140	146		6	8	43.33				Aplite
2	146	150		17	4	100.00				"
3	140	150	7285	23	12	95.00	0.10	7302	0.17	
4	150	156		5	6	35.83				Transition
5	156	160		5		50.00				"
6	150	160	7286	10	6	41.50	0.07	7303	0.17	
7	160	161		2	2	85.00				"
8	161	170		2	12	12.22				"
9	160	170	7287	4	14	19.50	0.12	7304	0.20	
10	170	171		1	10	65.00				"
11	171	176		10	10	85.00				"
12	176	177			14	35.00				"
13	177	180		2	4	30.00				"
14	170	180	7308	15	6	61.50	0.12	7305	0.27	
15	180	190	7309	8	12	35.00	0.30	7306	0.40	"
16	190	200	7310	8	14	35.50	0.25	7307	0.40	"
17	200	206		6		40.00				"
18	206	210		4	6	43.75				"
19	200	210	7311	10	6	41.50	0.22	7315	0.35	
20	210	213		3	8	46.67				"
21	213	214		4	14	100.00				"
22	214	220		11		73.33				"
23	210	220	7312	19	6	77.50	0.15	7316	0.32	
24	220	224		7	8	75.00				"
25	224	229		11	4	90.00				"
26	229	230		2		80.00				"
27	220	230	7313	20	12	83.00	0.10	7317	0.27	
28	230	231		1	4	50.00				"
29	231	239		16		80.00				"
30	239	240		4		100.00				"
31	230	240	7314	21	4	85.00	0.07	7318	0.32	
32	240	245		5	12	46.00				"
33	245	250		9	2	73.00				"
34	240	250	7358	14	14	59.50	0.22	7319	0.17	
35	250	251		4	8	100.00				"
36	251	260		3	8	57.73				"
37	250	260	7359	8		65.98	0.20	7320	0.27	
38	260	261		2		100.00				"
39	261	270		1	4	11.43				"
40	260	270	7360	3	4	26.81	0.17	7321	0.27	
41	270	271		1	4	100.00				"
42	271	276		2		32.99				"
43	276	277		1	4	100.00				"
44	277	280		3		100.00				"
45	270	280	7361	7	8	61.86	0.15	7365	0.35	
46										
47										

Core Log Drill Hole No. 22

	Footage From	Footage To	Core Spl. No.	Core Weight lb	Core Weight oz	Core % Rec.	% MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	282	287		2	12	45.36				Transition
2	287	290		3		82.76				"
3	280	290	7362	7	14	64.95	0.12	7366	0.32	
4	290	292		2	2	89.47			X	"
5	292	300		7	8	77.42				"
6	290	300	7363	9	10	79.38	0.17	7367	0.32	
7	300	302		3		100.00				"
8	302	310		4	6	45.16				"
9	300	310	7364	7	6	60.82	0.15	7368	0.35	"
10	310	312		2	14	100.00				"
11	312	320		1	10	16.77				"
12	310	320	7386	4	8	37.11	0.15	7369	0.25	
13	320	321		1	8	100.00				"
14	321	322		1	6	100.00				"
15	322	324		2		84.21				"
16	324	325		1	10	100.00				"
17	325	328		1		27.59				"
18	328	330		1	2	47.37				"
19	320	330	7387	8	10	71.13	0.20	7382	0.22	
20	330	332		1	14	78.95				"
21	332	339			12	08.82				"
22	339	340		2	8	100.00				"
23	330	340	7388	5	2	42.27	0.10	7383	0.27	
24	340	342		2	2	89.47				"
25	342	343		1	4	100.00				"
26	343	347		2	4	46.15				"
27	347	350		2	6	65.52				"
28	340	350	7426	8		65.98	0.15	7384	0.20	
29	350	360	7427	2	4	18.56	0.05	7385	0.17	"
30	360	364		3	14	79.49				"
31	364	370		3	10	50.00				"
32	360	370	7428	7	8	61.85	0.10	7466	0.37	"
33	370	371		1	12	100.00				"
34	371	380		1	4	11.43				Aplite
35	370	380	7429	3		24.74	0.07	7467	0.30	"
36	380	390	7430	2	6	19.59	0.12	7468	0.32	"
37	390	396			14	12.07				"
38	396	400		3	8	71.79				"
39	390	400	7431	4	6	36.08	0.10	7469	0.20	"
40	400	410	7455	4	2	34.02	0.07	7470	0.80	"
41	410	420	7456	1	4	10.31	0.05	7471	0.20	"
42	420	430	7457		14	07.22	0.07	7472	0.25	"
43	430	440	7458	2	4	18.56	0.15	7473	0.12	"
44	440	442			8	20.51				"
45	442	450		3		30.97				"
46	440	450	7459	3	8	28.87	0.07	7474	0.15	
47										

Core Log: Diamond Drill Hole No. 22

	Footage From	Footage To	Core Spl. No.	core Weight lb	core Weight oz	Core % Rec.	Core % MoS2	Sludge Spl. No.	Sludge % MoS2	Remarks
1	450	460	7460	2	12	2268	0.07	7475	0.22	Transition
2	460	470	7478	1	4	10.31	0.12	7476	0.27	"
3	470	480	7479	2	12	22.68	0.10	7477	1.20	"
4	480	490		-0-		-0-				Aplite
5	490	500		1	8	12.37				"
6	480	500	7480	1	8	06.19	0.12	7478	1.02	"


DIAMOND DRILL HOLE No. 22
500' @ -70° ~ BEARING S60°W
% Mo S2
SCALE 1" = 50'
1/31/59
MOLYBDENUM CORP. OF AMERICA
QUESTA, NEW MEXICO
VERTICAL SECTION
CORE SAMPLES
SLUDGE SAMPLES
No. 5 XC SOUTH (NEW)
3206
S-500
S-600
S-800
S-900
E-200
E-400
E-500
W-100
0.0