UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado
May 5, 1959

cy to 800

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 7 1959

DATE	INITIALS	CODE
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"	Chang	700

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4826 (Uranium) Contract Idm-E1181, New Idria Mining and Chemical Company, and Beaver Mesa Uranium, Inc., A Joint Venture, (Hubbard Homestead, Pack Rat, et al. claims) Mesa County, Colorado - FINAL PAYMENT

Enclosed are two copies of a memorandum to T. A. Christensen, dated May 4, 1959, relative to final payment under the terms of the subject contract.

J. W. Townsend

J. W. Townsend

Enclosures

EXTRA COPY
O. M. E.
RECEIVED MAY 7 1959

DATE	INITIALS	CODE

25th New Customhouse
Denver 2, Colorado
May 4, 1959

Memorandum

To: W. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Contract No. [illegible] (Previous Contract No. [illegible]), Sun Maria Mining and Chemical Company, and Denver Chem Mining, Inc., & Public Vendors, (Bullard Homestead, Red Fox, etal. claims) Rose County, Colorado - FINAL PAYMENT

Reference is made to our memorandum of March 16, 1959, whereby we forwarded the Final Form OF-10b, Operator's Monthly Report and Voucher for the period December 19, 1958, and January, 1959, and requested that you withhold an amount of $500.00 from reimbursement to the Operator, pending resolution of matters prerequisite to closing the account.

The Operator's Final report has been received, therefore Final payment to the Operator is to be made on the following basis, which is in conformance with the Report of Review of Imprest project costs by the Contract Administration and Audit Division, OME, dated April 23, 1959.

Basis for Final Payment

Total accepted cost	$99,977.55
Government participation at 75 percent	66,[illegible].00
Total prior payments	66,[illegible].00
Balance due the Operator	$ [illegible].00

$500.00

Original signed by
J. W. TOWNSEND

5/5/59 OME 59-105 J. W. Townsend

JWT:[illegible]

cc: Cont. Op. Chem. (2)
Brokaw
Interior, GAO/O.Ad.
OME, DFC
Corres. file, Reg. III
IF-10b file, Reg. III
Cooper
Gunn

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 20 1959

DATE	INITIALS	CODE
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3/20		110
3/20	Chiz	100

FINAL DISTRIBUTION
MADE MAR 17 1959

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

Administrative Audit Difference Statement

Vanadium Mining & Chemical Co.
Post Office Box 311
Grand Junction, Colorado

Date: March 17, 1959
Payee's Reference: January 1959

2MEA-4826

Gentlemen:

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

Amount Claimed $ 6,583.93

Difference $ None

Amount Approved $ 6,583.93

The reason for the difference was due to:

Withheld an amount of $500.00 from reimbursement to the Operator, pending resolution of matters prerequisite to closing the account. All approved work under the contract has been completed and the contract was terminated effective January 28, 1959.

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

[illegible] Ave Contractors
Denver 2, Colorado
March 16, 1999

Memorandum

To: [illegible] Christensen

From: Executive Officer, [illegible] Field Team Region III

Subject: Project No. [illegible] [illegible] Contract [illegible]
[illegible] Mining and Chemical Company (Gulard [illegible]), Jack [illegible] et al. [illegible] County, Colorado - Operator's Monthly Progress Report for the months of November, 1998 and January, 1999.

Enclosed are the original and four copies each of Forms [illegible] and [illegible], Operator's Narrative Report, and Engineer's Report for the above period.

As noted by the resident engineer, the estimated costs for bulldozing and clearing land have been excessive. The contractor has requested the necessary to the project work, however, [illegible] these are not designated "unusual" the rates of the owner bulldozer and clearing time are acceptable to this office.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling times are as low or lower than the rates contained in the Lease and have all complied with the application. Bids were not submitted for bulldozing and clearing, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

We consider that the Operator has complied with the terms of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 75 percent of the amount applied on Form [illegible] for the months of December, 1998, and January, 1999, contingent on prior verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deduction:

Withhold an amount of $500.00 from reimbursement to the Operator, pending resolution of matters prerequisite to closing the account. All approved work under the contract has been completed and the contract was terminated effective January 28, 1959.

Remarks:

Date of Report---------- February 12, 1959
Date Received in Field Office---------- February 18, 1959
Date Received in Region Office---------- February 24, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JWT:bmh

cc: Chmn. Op. Comm. (2)
Robertson, GMK/GJ
MF-104 file, Reg. III
Harshman)
Hasler) w/copy of
[illegible]) Engr's Report
Cooper)
Sheron

OME
DEPARTMENT OF THE INTERIOR

FEB 24 1959
REGION III
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

February 20, 1959

Memorandum

To: Executive Officer, OME Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4086 (Uranium), Contract Idm-E 1181, New Idria Mining and Chemical Company (Rubbard Homestead, Pack Rat, et al., claims), Mesa County, Colorado. Progress report for December 1958 and January 1959.

Work on the final Stage II drill holes commenced in December 1958, but no holes were completed until January 1959. All authorized work under the contract was completed on January 21, 1959. A final inspection was made by H. F. Robertson and J. W. Kessler, accompanied by Dean Nicholson, on February 17, 1959.

The operator's claim (received at Grand Junction on February 18, 1959) covers the costs incurred in the completion of a total of 1,990 feet of noncore drilling and 218 feet of core drilling in 4 Stage II holes as follows:

Actual Cost Items		
Noncore drilling		
0-300 feet	1,200 feet at $2.00/ft.	$ 2,400.00
300-600 feet	790 feet at $2.10/ft.	1,659.00
Core drilling		
400-600 feet	205 feet at $4.90/ft.	1,004.50
600-800 feet	13 feet at $6.00/ft.	78.00
Standby time	21 hours at $12.00/hr.	252.00
Bulldozing	58-1/2 hours at $11.996/hr.	701.75
Miscellaneous items		
Chemical analyses	5 samples at $5.00/spl.	25.00
Fixed Unit Cost Items		
Incidental allowance	2,208 feet at $0.21/ft.	463.68
Total amount claimed, January 1959		$ 6,583.93

The claims for drilling, standby time, and bulldozing are supported by invoices from the respective subcontractors. A chemical assay certificate and invoice was included to verify the claim for the 5 chemical analyses for U_3O_8 and V_2O_5.

The holes completed during January 1959 are located as shown on the operator's map. The drilling was performed in conformance with contract specification as to core size, cored interval, penetration of underlying red mudstone, and radiometric probing.

It is noted that two of the actual cost items, bulldozing and standby time, exceeded the contract estimates. The additional time required for the items was the direct result of the location of holes JS-72 and JS-73 at the base of the Burro Canyon cliff on the Hubbard Homestead. The drill sites were considerably more difficult to construct and the holes were subject to continual caving of the loosely consolidated ground. Thus, the reported units were necessary to attain the project objective and approval of payment for the excess amounts is recommended by the inspecting engineer. The unit cost involved is reasonable and not greater than the maximum applicable unit cost established in the contract. The total amount authorized for Category (1), Stage II is not exceeded.

Of the 4 holes completed during the month, JS-72 was an ore hole, JS-73 was strongly mineralized, and JS-70 and JS-71 were barren. All work authorized under the subject contract and subsequent work approvals is now completed and the operator has requested termination.

The operator submitted in quintuplicate a signed narrative report with map, NF-104, NF-104A (Stage I), NF-104A (Stage II), geologic logs, and radiometric probing results. One copy each of the assay certificate and invoices for drilling, standby time, bulldozing, and chemical analyses accompanied the claim. The monthly and cumulative totals on the NF-104 forms are correct.

The inspecting engineer recommends payment of $4,937.95, representing 75 percent of the total amount ($6,583.95) claimed for December 1958 and January 1959 operations.

H. F. Robertson

H. F. Robertson
Mining Engineer

Table 1.--Summary of drilling results--December 1958, January 1959

DMEA 4826 Contract Idm-E 1181

Hole No.	Nonsore	Core	Total	Mineralization: Radiometric Interval	Radiometric $\%U_3O_8$	Chemical Interval	Chemical $\%U_3O_8$	Chemical $\%V_2O_5$
JE-70	540	73	613	Barren		Barren		
JE-71	530	70	600	Barren		Barren		
JE-72	460	45	505	477.0-477.4	0.45	476.8-477.8	0.69	1.00
				481.5-482.0	0.26			
				482.0-482.5	0.32	482.1-483.0	0.27	0.11
				482.5-483.0	0.36			
				483.0-483.5	0.03			
JE-73	460	30	490	469.0-470.0	0.24	467.3-468.2	0.12	0.10
				470.0-471.0	0.36			
				471.0-475.0	0.04	472.2-473.8	Tr.	0.03
				475.0-476.0	0.14			
				476.0-477.0	0.08	475.2-476.9	0.05	Tr.
Totals	1,990	218	2,208					

Form [illegible]-104 (Rev.)
([illegible]ril 1952)

Budget Bureau No. 42-R1036.5

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

RECEIVED MAR 20 1959 DMEA

Month of January, 1959 Docket No. DMEA 4826 Contract No. Idm E-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 511, Grand Junction, Colorado
Contract Amount, $ 102,680.00 Government Participation: 75 % Amount $ 76,965.00

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 [redacted] Contracts:						
Drilling Non-Core	2,400.00	37,024.00	39,424.00			
[redacted] " "	1,659.00	12,931.80	14,590.80			
[redacted] "		12,130.80	12,130.80			
[redacted] "	1,004.50	9,427.60	10,432.10			
"	78.00	1,050.00	1,128.00			
(2) [redacted]						
[redacted] Standby Time	252.00	1,110.00	1,362.00			
[redacted] Bulldozing	701.75	1,919.00	2,620.75			
Incidental [redacted] Allow.	463.68	6,200.46	6,664.14			
(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	25.00	700.00	725.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	6,583.93	82,493.66	89,077.59	6583.93	82,493.66	89,077.59

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Feb.12/59 *Payee New Idria Mining & Chemical Co., Agent
Per Wesley Shackelford Title Asst. Treasurer

*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:
$ 4437.95

Signature [illegible]
(Authorized Certifying Officer)
Date 3/17/59 Vouc. No. DMEA 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. Edm-E1181 in accordance with the terms of the contract.

Signature H. T. Robertson #4,937.95 Title Mining Engr. Date 2/20/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date MAR 16 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 January 1959 Docket No. DMEA 4826 Contract No. Idm E-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado

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
Drifting				STAGE I				
Crosscutting								
Raising								
Drilling Core	Foot			6,446.00	1,465	4.40	1,515	4.40
" "	"			6,041.70	1,233	4.90	1,280	4.90
Drilling: "	"			810.00	135	6.00	205	6.00
Non	"			21,510.00	10,775	2.00	11,175	2.00
" "	"			8,133.30	3,873	2.10	4,145	2.10
Bulldozing	Hour			1,140.00	95	12.00	80	12.00
Standby Time	"			480.00	40	12.00	40	12.00
Analysis	Each			415.00	83	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot			3,666.81	17,461	.21	18,320	.21
TOTAL DISTRIBUTED COSTS				48,642.81				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS				48,642.81				

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.

New Idria Mining and Chemical Company, Agent

Date Feb. 12, 1959 Operator

Per Wesley Shadduck Title Asst. Treasurer

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: H.F.R.

(For Government use only)

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-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

MAR 20 1959 O.M.E.

Month of January 1959 Docket No. DMEA 4026 Contract No. Idn 2-1101
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado

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 II				
Drifting								
Crosscutting								
Raising								
Shaft Drill Hole Core	Foot	2,400.00	1,200	17,914.00	8,957	2.00	11,175	2.00
Winze " " "	"	1,659.00	790	6,457.50	3,075	2.10	4,145	2.10
Drilling: Core Core	"			5,684.00	1,292	4.40	1,315	4.40
" Chip "	"	1,004.50	203	4,130.40	896	4.90	1,280	4.90
" Auger "	"	78.00	13	318.00	53	6.00	205	6.00
Stamp Mill Sampling by Time	Hour	252.00	21	862.00	73	12.00	40	12.00
Tonnage Sampling	"	701.75	50	1,400.75	124	11.24	80	12.00
Tonnage Analysis	Each	25.00	5	310.00	62	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot	463.68	2,208	2,997.33	14,273	.21	10,520	.21
TOTAL DISTRIBUTED COSTS		6,585.93		40,454.78				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		6,585.93		40,454.78				

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 Feb. 12/59 Operator New Idria Mining & Chemical Company, Agent

Per Wesley Shadduck Title Asst. Treasurer

REMARKS: N.J.R.

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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

February 3, 1959

Mr. J. W. Townsend
Executive Officer
OME Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for January, 1959

Dear Mr. Townsend:

Drilling on Stage II, the final four holes approved, was continued during the month of January, 1959, and the four holes were completed on January 21, 1959, thus completing the entire contract as approved. Termination of the drilling requirements on the above contract was requested in a letter of January 29, 1959, to your office.

The program covering the final four holes was commenced in December, 1958, however, no drill holes were completed until into January, 1959. The completion of the four holes on January 21, 1959, was prior to the amended completion date of January 31, 1959.

The final report covering the engineering and geological data obtained as a result of the entire program is in preparation and will be submitted to your office as soon as completed.

The four holes completed during the month comprised 2,208 feet of drilling of which 1,990 feet were non-core drilling and 218 feet were core drilling. The four holes were all located on the Hubbard Homestead.

All four holes were favorable holes and JS-72 was an ore hole, JS-73 was strongly mineralized and JS-70 and JS-71 were barren.

Two of the four holes were located under the Dakota rim on the cliffside of the Hubbard Homestead and a considerable excess of dozer work was required to build the drill locations.

Water was encountered in all four holes and JS-73 presented a very considerable problem due to the continued caving of the upper portion of the hole. As located under the rim, the upper portion of the hole was in loose ground which did not stand at all well.

The following table gives the pertinent data on the four holes drilled during January, 1959:

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-70	1-9	1-16	540	73	613		Barren		Favorable
JS-71	1-16	1-21	530	70	600		Barren		Favorable
JS-72	12-27	1-2	460	45	505	1.0	0.69	1.00	Favorable
						0.9	0.27	0.11	
JS-73	1-2	1-8	460	30	490	0.9	0.12	0.10	Favorable
						1.6	Tr	0.03	
						1.7	0.05	Tr	
Totals			1990	218	2208				

Very truly yours,

NEW IDRIA MINING & CHEMICAL CO.

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket No. DMEA 4826
Contract No. Idm-E1181
Hubbard, Pack Rat et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS-70	63.4	0.7	0.1	1.9	2.7	S	7	6	2	15	Favorable
JS-71	60.1		2.5	1.2	3.7	N	7	6	0	13	Favorable
JS-72	34.9		0.2	2.0	2.2	A	5	5	4	14	Favorable
JS-73	22.9			3.1	3.1	A	3	6	4	13	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

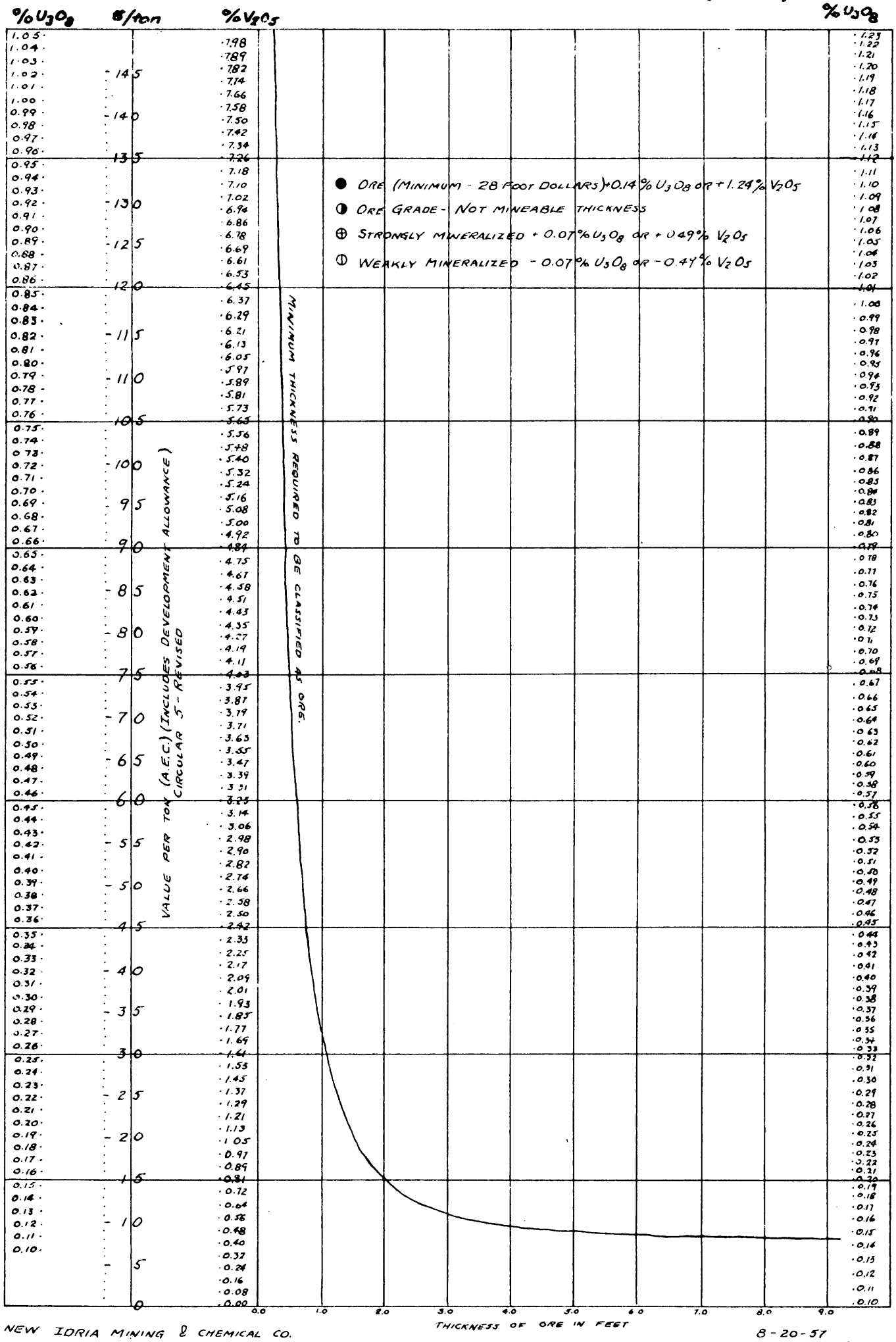
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL CO.
URANIUM DIVISION

8-20-57

FROM A.W.G.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead,
Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~444~~ 4826
Contract Idm E-~~107~~ 1181
Beaver Mesa ~~[illegible]~~

Drill-hole No. ~~JR~~ JS 70
Total depth: 613.0
Collar elev: 7410.2T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Jan. 9, 1959
Date completed: Jan. 16, 1959

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	540.7-604.1	63.4	Wh/Gy	Under OBSS 1.9 Gn	S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	540.0						Plug	
540.0	540.7	0.7	MS	Gn		N	Sandy	
540.7	560.0	19.3	SS	Wh/LGy	F-M	N	A Alt. Vol.; M itbd. Gn. MS and Gn. MS incls.	
560.0	563.2	3.2	SS	LGy	F-M	S	A Alt. Vol.; S Cbn. fks.; Lam.; S int. Gn. MS	
563.2	563.3	0.1	MS	Gn		?	Cbn. fks;	
563.3	573.0	9.7	SS	Wh/LGy	F	N	A Alt. Vol.; A Gn. MS incls. at top	
573.0	582.0	9.0	SS	Wh	VF	N	A itbd. Gn. MS	
582.0	583.9	1.9	SS	LGy	F	N	A Alt. Vol.; Slightly lam.; M Gn. MS fms.	
583.9	598.3	14.4	SS	Wh/Gy	F-M	N	M Alt. Vol.; Gn. MS incls. in bands	
598.3	604.1	5.8	SS	LGy	M	N	A Alt. Vol.; Laminar Gn. MS incls.	
604.1	606.0	1.9	MS	DGn		N		
606.0	613.0	7.0	MS	R/Gn		M	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS70

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~OSK~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnson Mxo Group~~

Drill-hole No. ~~JR~~ XX JS 71
Total depth: 600.0
Collar elev.: 7401.5T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Jan. 16, 1959
Date completed: Jan. 21, 1959

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	530.0-590.1	60.1	Wh/LGy	Under OBSS 1.2 Gn.	N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	530.0						Plug	
530.0	545.0	15.0	SS	Wh/LGy	M	N	M Alt. Vol.; S Gn. MS fks. and fms.	
545.0	546.9	1.9	SS	L Pink	F-M	N	A Alt. Vol.; S Gn. MS incls.	
546.9	553.2	6.3	SS	LGy	F-M	N	M Alt. Vol.; S int. Gn. MS	
553.2	556.1	2.9	SS	LGy	M	N	A Alt. Vol.; A Gn. MS incls.	
556.1	562.1	6.0	SS	LGy	M	N	A Alt. Vol.; S Gn. MS fks. and fms.	
562.1	562.2	0.1	SS/MS	Gn	VF	N	A Gn. MS incls.; Banded	
562.2	569.1	6.9	SS	Wh	F	N	S Gn. MS fks. and fms.	
569.1	569.7	0.6	SS/MS	LGn	VF	N		
569.7	574.0	4.3	SS	LGn	F	N	M Alt. Vol.; M Gn. MS incls.	
574.0	575.8	1.8	MS	DGn		N		
575.8	588.1	12.3	SS	Wh//Gy	F-M	N	M Alt. Vol.; S Gn. MS incls.; S Gn. MS fks. and fms.	
588.1	590.1	2.0	SS	Wh	F	N	Qtzc. at bottom with int. Ls.	
590.1	591.3	1.2	MS	Gn		N		
591.3	600.0	8.7	MS	RGn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS 71

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~494~~ 4825
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 72
Total depth 505.0
Collar elev. 7305.6T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Dec. 27, 1958
Date completed Jan. 2, 1959

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	460.0-494.9	34.9	Gy	Under OBSS 2.0 Gn	A

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	460.0						Plug	
460.0	472.6	12.6	SS	Wh	F	N	A Alt. Vol.; S int. Gn. MS	
472.6	473.7	1.1	SS	Wh	F	S	A Alt. Vol.; M itbd. Gn. MS to bottom; Cbn. fks. at 473.6	
473.7	476.8	3.1	SS	Wh/Gy	F-M	S	M Alt. Vol.; S int. Gn. MS	
476.8	477.8	1.0	SS	Bk	F-M	A	Trashy zone	144
477.8	482.1	4.3	SS	Wh/Gy	F-M	S	A Alt. Vol.; A int. Gn. MS; Gn. MS sms. at 478.8	
482.1	483.0	0.9	SS	Gy/Bk	F-M	A	A Alt. Vol.; Contorted; S Gn. MS incls.	145
483.0	487.1	4.1	SS	DGy	M	N	A Gn. MS incls.	
487.1	492.9	5.8	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS incls.	
492.9	493.1	0.2	MS	Gn		N		
493.1	494.9	1.8	SS	Gy	F-M	N	A Alt. Vol.; S MS incls.	
494.9	496.2	2.0	MS	Gn		N		
496.2	501.1	4.3	MS	R		N	Mot.	
501.1	505.0	3.9	MS	DGn		N	Some R; Qtzc. at 502.5	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
144	476.8	477.8	1.0	0.69	1.00	
145	482.1	483.0	0.9	0.27	0.11	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS72

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4004~~ 4826
Contract Idm E-~~1024~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 73
Total depth: 492.0
Collar elev. 7301.2T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Jan. 2, 1959
Date completed: Jan. 8, 1959

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	460.0-492.9	22.9+	Wh/Gy	Under OBSS 3.1 Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	460.0						Plug	
460.0	464.7	4.7	SS	Wh/LGy	F	N	A Alt. Vol.; S int. Gn. MS	
464.7	465.3	0.6	SS	Gy	F	S	A Alt. Vol.; A int. Gn. MS; Cbn. fks at 465.0	
465.3	467.3	2.0	SS	LGy	F	N	A Alt. Vol.; Lam.	
467.3	468.2	0.9	SS	LGy	F	A	A Alt. Vol.; Lam.; Friable	141
468.2	472.2	4.0	SS	Gy	F-M	S	A Alt. Vol.; S int. Gn. MS; Friable	
472.2	473.8	1.6	SS	DGy	F	A	A Alt. Vol.; Contorted; S int. Gn. MS; Trashy zone at 473.2	142
473.8	475.2	1.4	SS	DGy	F-M	S	A Alt. Vol.; S int. Gn. MS; Lam.	
475.2	476.9	1.7	SS	DGy	F-M	A	A Alt. Vol.; Contorted; Trashy	143
476.9	479.0	2.1	SS	DGy	F	N	A Alt. Vol.; A itbd. Gn. MS at bottom	
479.0	482.9	3.9	SS	LGy	F	N	A Alt. Vol.; M Gn. MS fms. at bottom	
482.9	486.0	3.1	MS	Gn		N		
486.0	490.0	4.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
141	467.3	468.2	0.9	0.12	0.10	
142	472.2	473.8	1.6	Trace	0.03	
143	475.2	476.9	1.7	0.05	Trace	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 70

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4424~~ 4826
CONTRACT Idm E-1~~974~~ 1181

Date Probed Jan. 16, 1959 Probed By JV

Plug Depth 540.0' Core Interval 73.0'

Total Depth 613.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 45/4 scale.

Probed—From 0.0' To 613.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	540.0	5	0.02	0.00
540.0	613.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 70

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 71

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4404~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed Jan. 21, 1959 Probed By JW

Plug Depth 530.0' Core Interval 70.0'

Total Depth 600.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 45/4 scale.

Probed—From 0.0' To 600.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	530.0	5	0.01	0.00
530.0	600.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 71

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 72

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXXX~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed Jan. 2, 1959 Probed By JW

Plug Depth 460.0' Core Interval 45.0'

Total Depth 505.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 45/4 scale.

Probed—From 0.0' To 505.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
0.0	460.0	5	0.02	0.00
460.0	476.5	5	0.02	0.00
476.5	477.0	5	0.04	0.01
477.0	477.4	4	0.50	0.45
477.4	481.0	5	0.10	0.03
481.0	481.5	5	0.08	0.02
481.5	482.0	5	0.80	0.26
482.0	482.5	4	0.35	0.32
482.5	483.0	4	0.40	0.36
483.0	483.5	5	0.08	0.03
483.5	505.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 73

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JRK~~ JS 73

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4494~~ 4826
CONTRACT Idm E-1074 1181

Date Probed Jan. 8, 1959 Probed By JW

Plug Depth 460.0' Core Interval 30.0'

Total Depth 490.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 45/4 scale.

Probed—From 0.0' To 490.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	465.0	5	0.01	0.00
465.0	467.0	5	0.04	0.01
467.0	469.0	5	0.10	0.03
469.0	470.0	4	0.27	0.24
470.0	471.0	4	0.40	0.36
471.0	475.0	5	0.12	0.04
475.0	476.0	5	0.42	0.14
476.0	477.0	5	0.26	0.08
477.0	478.0	5	0.22	0.07
478.0	479.0	5	0.18	0.06
479.0	480.0	5	0.08	0.02
480.0	481.0	5	0.04	0.01
481.0	490.0	5	0.01	0.00

RESULTS

HOLE NO. ~~JRK~~ JS 73

FILE COPY

DEC 30 1958

DATE	INITIALS	CODE
12/30	Dhg.	325
		~~[illegible]~~
11	[illegible]	700
TO:	T. A. Christensen	

FINAL DISTRIBUTION

MADE DEC 23 1958

[illegible] Customhouse
Denver 2, Colorado
December 18, 1958

From: Executive Officer, DME Field Team, Region III

Subject: Docket No. DMEA 4886 (Uranium) Contract Ion-81181, New Idria Mining and Chemical Company, (Hubbard Homestead, Rock Rat, et al. claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of November, 1958

Enclosed are the original and four copies each of Forms MP-104 and MP-104A, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract, and partly on fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontracts are considered to be reasonable.

The reported units of standby time are in excess of the estimated units for Stage II. Neither the maximum allowable unit cost, nor the total allowable cost for work under Category 1 have been exceeded therefore, as the standby time was necessary to the project drilling, the reported cost charged is acceptable to this office.

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. Payment is recommended for 75 percent of the amount reported on Form MP-104 for November 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report----------December 11, 1958
Date Received in Field Office----------December 15, 1958
Date Received in Region Office----------December 17, 1958

Enclosures
JRC:hmh
cc: Chron. Sp. Doms. (2)
Robertson, GME/GJ
MP-104 File, Reg. III
Hartshorn } w/copy of
Walker } Engr's Report
GME/WFC }

Original sig...d by
J. W. TOWNSEND

J. W. Townsend

OME
DEPARTMENT OF THE INTERIOR
DEC 17 1958
REGION III
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

December 15, 1958

Memorandum

To: Executive Officer, OME Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4826 (Uranium), Contract Idm-E 1181, New Idria Mining and Chemical Co. (Hubbard Homestead, Pack Rat, et al., claims), Mesa County, Colorado. Progress report for November 1958.

Work continued on Stage II drilling throughout the month of November. An inspection was made on December 2, 1958, by H. F. Robertson accompanied by Dean Nicholson, the operator's field manager.

The operator's claim (received at Grand Junction on December 15, 1958) covers the costs incurred in the completion of a total of 3,060 feet of noncore drilling and 465 feet of core drilling in 6 second stage drill holes as follows:

Actual Cost Items

Noncore drilling		
0-300 feet	1,800 feet at $2.00/ft.	$ 3,600.00
300-600 feet	1,260 feet at $2.10/ft.	2,646.00
Core drilling		
400-600 feet	436 feet at $4.90/ft.	2,136.40
600-800 feet	29 feet at $6.00/ft.	174.00
Standby time	29-1/2 hours at $12.00/hr.	354.00
Miscellaneous items		
Chemical analyses	12 samples at $5.00/spl.	60.00

Fixed Unit Cost Items

Incidental allowance	3,525 feet at $0.21/ft.	740.25
Total amount claimed, November 1958		$ 9,710.65

The claims for drilling and standby time are supported by invoices from the drilling contractor. Chemical assay certificates and invoices were included to verify the claim for the 12 chemical analyses.

The holes completed during November 1958 are located as shown on the map accompanying the operator's claim. The drilling was performed in conformance with contract specifications as to core size, cored interval, and penetration of underlying red mudstone. Hole No. JS-64 is apparently located in the fault zone and penetrated no sandstone. The hole was bottomed according to the estimated depth of the ore-bearing sandstone as near as could be reasonably projected from previously drilled holes. Approval of the hole as drilled is recommended.

Stage II of the subject contract authorizes 40 hours of drill crew standby time. An excessive amount of standby time was incurred during November due to the caving of three holes, JS-61, JS-63, and JS-64 and the resultant time spent by the drill crew in washing out the holes for radiometric probing. Consequently, the total amount of standby time claimed has exceeded the units provided for in the contract by 12-1/2 hours. The reported units were necessary to meet the contract requirement of radiometrically probing each drill hole. The unit cost involved is reasonable and not greater than the maximum applicable unit cost established in the contract. The total amount authorized for Category (1), Stage II is not exceeded.

Of the 6 holes completed during the month, JS-61 and JS-62 were ore holes, JS-63 was weakly mineralized, and JS-64, JS-65, and JS-66 were barren. As of the date of this report, the operator has been given verbal approval to drill 4 additional second stage holes which will probably complete the work under the subject contract.

The operator submitted in quintuplicate a signed narrative report with map, NF-104, NF-104A (Stage I), NF-104A (Stage II), geologic logs, and radiometric probing results. One copy each of assay certificates (3) and invoices for drilling, standby time, and chemical analyses accompanied the claim. The monthly and cumulative totals on the NF-104 forms are correct.

The inspecting engineer recommends payment of $7,282.99, representing 75 percent of the total amount ($9,710.65) claimed for November 1958 operations.

H. F. Robertson

H. F. Robertson
Mining Engineer

Table 1.--Summary of drilling results - November 1958.
EMRA 4826 Contract Idm-N 1181

Hole No.	Noncore	Core	Total	Mineralization: Radiometric Interval	Radiometric $\%U_3O_8$	Chemical Interval	Chemical $\%U_3O_8$	Chemical $\%V_2O_5$
JB-61	485	87	572	522.0-523.0	0.04	520.8-522.3	0.07	0.04
				523.0-524.0	0.10	522.3-523.8	0.17	0.12
				524.0-526.0	0.11	533.0-534.8	0.01	0.07
JB-62	500	84	584	533.0-534.0	0.17	531.7-532.8	0.22	2.75
				534.0-535.0	0.41			
				535.0-536.0	0.50	532.8-533.8	0.01	0.08
				536.0-537.0	0.08			
				537.0-538.0	0.04	571.1-571.4	Tr.	0.05
JB-63	505	90	595	Barren		549.0-550.9	0.03	0.07
						550.9-553.0	0.01	0.03
						558.5-559.1	0.01	0.02
						578.3-582.9	Tr.	0.01
JB-64	485	60	545	409.8-410.0	0.72	Barren		
JB-65	530	89	619	Barren		565.5-565.6	0.02	0.77
						598.1-602.0	Tr.	0.02
JB-68	555	55	610	Barren		Barren		
Totals	3,060	465	3,525					

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

Budget Bureau No. 42-R1036.5

DEC 30 1958

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

Month of November, 1958 Docket No. DMEA 4826 Contract No. Idm E-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado
Contract Amount, $ 102,620.00 Government Participation: 75 % Amount, $ 76,965.00

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 Contractors:						
Drilling Non Core	3,600.00	33,424.00	37,024.00			
" "	2,645.00	10,285.80	12,931.80			
Crosscutting		12,130.80	12,130.80			
Drifting "	2,136.40	7,291.20	9,427.60			
" "	174.00	876.00	1,050.00			
(2) Standby Time	354.00	756.00	1,110.00			
Bulldozing		1,919.00	1,919.00			
Incidental Allowance	740.25	5,460.21	6,200.46			
(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	60.00	640.00	700.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	9,710.65	72,783.01	82,493.66	9,710.65	72,783.01	82,493.66

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

Date Dec. 11/58 Payee New Idria Mining & Chemical Co. Agent

Per [signature] Title Asst. Sec'y

*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:

$ 7282.99

Signature [signature]
(Authorized Certifying Officer)

Date 12/19/58 Voucher No. DMEA 59-76
(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-E1181 in accordance with the terms of the contract.

Signature H. F. Sheehan $7,282.99 Title Mining Engr. Date 12/16/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Engineering Allowability

Signature [illegible] Title Executive Officer Date DEC 18 1958

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 1962)

Budget Bureau No. 42-R1151.2

DEC 30 1958 D.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1958 Docket No. DMEA 4826 Contract No. Idm E-1181

Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium

Address Post Office Box 311, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting				STAGE I				
Crosscutting								
Raising								
Shafts: Drilling-Core	Foot			6,446.00	1,465	4.40	1,515	4.40
" "	"			6,041.70	1,233	4.90	1,280	4.90
Drilling: Core	"			810.00	135	6.00	205	6.00
" " "	"			21,510.00	10,755	2.00	11,175	2.00
" " "	"			8,133.30	3,873	2.10	4,145	2.10
Bulldozing	Hour			1,140.00	95	12.00	80	12.00
Standby Time	"			480.00	40	12.00	40	12.00
Analysis	Each			415.00	83	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot			3,666.81	17,461	.21	18,320	.21
TOTAL DISTRIBUTED COSTS				48,642.81				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS				48,642.81				

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 Dec. 11/58 Operator New Idria Mining and Chemical Co., Agent

Per E. A. [illegible] Title Assistant Sec'y

H.J.R.

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)

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-104A
(April 1952)

Budget Bureau No. 42-R1151.2

DEC 30 1956
D.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1956 Docket No. DMEA 4326 Contract No. Idm 1-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado

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
Drifting				STAGE II				
Crosscutting								
Raising								
Drilling NonCore	Ft	3,600.00	1,800	15,514.00	7,757	2.00	11,173	2.00
" " "	"	2,646.00	1,260	4,798.50	2,285	2.10	4,145	2.10
Drilling: "	"			5,684.80	1,292	4.40	1,515	4.40
"	"	2,136.40	436	3,305.90	691	4.90	1,280	4.90
"	"	174.00	29	240.00	40	6.00	205	6.00
Standby Time	Hour	354.00	29½	650.00	52½	12.00	40	12.00
Bulldozing	"			779.00	65½	11.89	80	12.00
Analysis	Each	60.00	12	285.00	57	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot	740.25	3,525	2,533.05	15,065	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		9,710.65		33,050.05				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		9,710.65		33,050.05				

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.

New Idria Mining and Chemical Company, Agent

Date Dec. 31/56 Operator

Per [signature] Title Assistant Sec'y

REMARKS: 4/5R

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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

December 4, 1958

Mr. J. W. Townsend
Executive Officer
OME Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for November, 1958

Dear Mr. Townsend:

Drilling on Stage II of the above numbered contract was continued during the month of November, 1958, and six holes were completed. These six holes were completed November 26, 1958, and this date marks the completion date of the approved 69 holes as covered by Stage I and Stage II which was before the completion date of November 30, 1958, as specified in the contract.

The latter holes drilled on Stage II indicate a desirability for additional drilling and a request for approval of additional holes is being submitted inasmuch as eleven holes of Stage II as originally covered in the contract remain unused.

The six completed holes comprised 3,525 feet of drilling of which 3,060 feet was non-core drilling and 465 feet was core drilling. The six holes were all collared on the Dakota formation on the Hubbard Homestead.

The results of the drilling were favorable with the following classification of the drill holes: Holes JS-61 and JS-62 were ore holes, JS-63 was weakly mineralized and holes JS-64, JS-65 and JS-68 were barren.

Hole JS-64 must have been located immediately in the fault zone as no sand was recovered at all and no indications of sand found. As hole BV-124 is located on the high side of the fault, the fault line must extend as shown on the accompanying map and running parallel to the north line of the Hubbard Homestead and then turning to the south in the northwest corner.

Drilling for the month was normal for the area and some water was found in all six holes completed.

Continued - Letter to Mr. J. W. Townsend re monthly report on drilling for November, 1958, Docket DMEA-4826 (Uranium), Contract No. Idm-E1181, Hubbard Homestead, Pack Rat, et al., Claims, Mesa County, Colorado.

The following table gives the pertinent data on the six holes drilled during the month of November, 1958.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-61	11-10	11-11	485	87	572	1.5	0.07	0.04	Favorable
						1.5	0.17	0.12	Favorable
						1.8	0.01	0.07	
JS-62	11-12	11-14	500	84	584	1.1	0.22	2.75	Favorable
						1.0	0.01	0.08	Semi-Favorable
						0.3	Tr	0.05	
JS-63	11-18	11-20	505	90	595	1.9	0.03	0.07	Favorable
						2.1	0.01	0.03	Favorable
						0.6	0.01	0.02	
						4.6	Tr	0.01	
JS-64	11-4	11-7	485	60	545		Barren		Unfavorable
JS-65	11-21	11-24	530	89	619	0.1	0.02	0.77	Favorable
						3.9	Tr	0.02	
JS-68	11-24	11-26	555	55	610		Barren		Favorable
Totals			3060	465	3525				

Very truly yours,

NEW IDRIA MINING & CHEMICAL COMPANY

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket DMEA 4826
Contract No. Idm-E1181
Hubbard, Pack Rat, et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS-61	38.0	3.3		9.9	13.2	A	6	7	4	17	Favorable
	16.2			3.1	3.1	M	2	6	3	11	Favorable
JS-62	39.4	1.8		4.1	5.9	A	6	7	4	17	Favorable
	20.6		0.4	0.3	0.7	M	3	3	3	9	Semi-Fav.
JS-63	46.6	2.3		12.2	14.5	M	7	7	3	17	Favorable
	13.1			2.4	2.4	A	1	5	4	10	Favorable
JS-64		No MS	or SS								Unfav.
JS-65	75.9			3.3	3.3	A	7	6	4	17	Favorable
JS-68	44.2			3.7	3.7	M	7	6	3	16	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

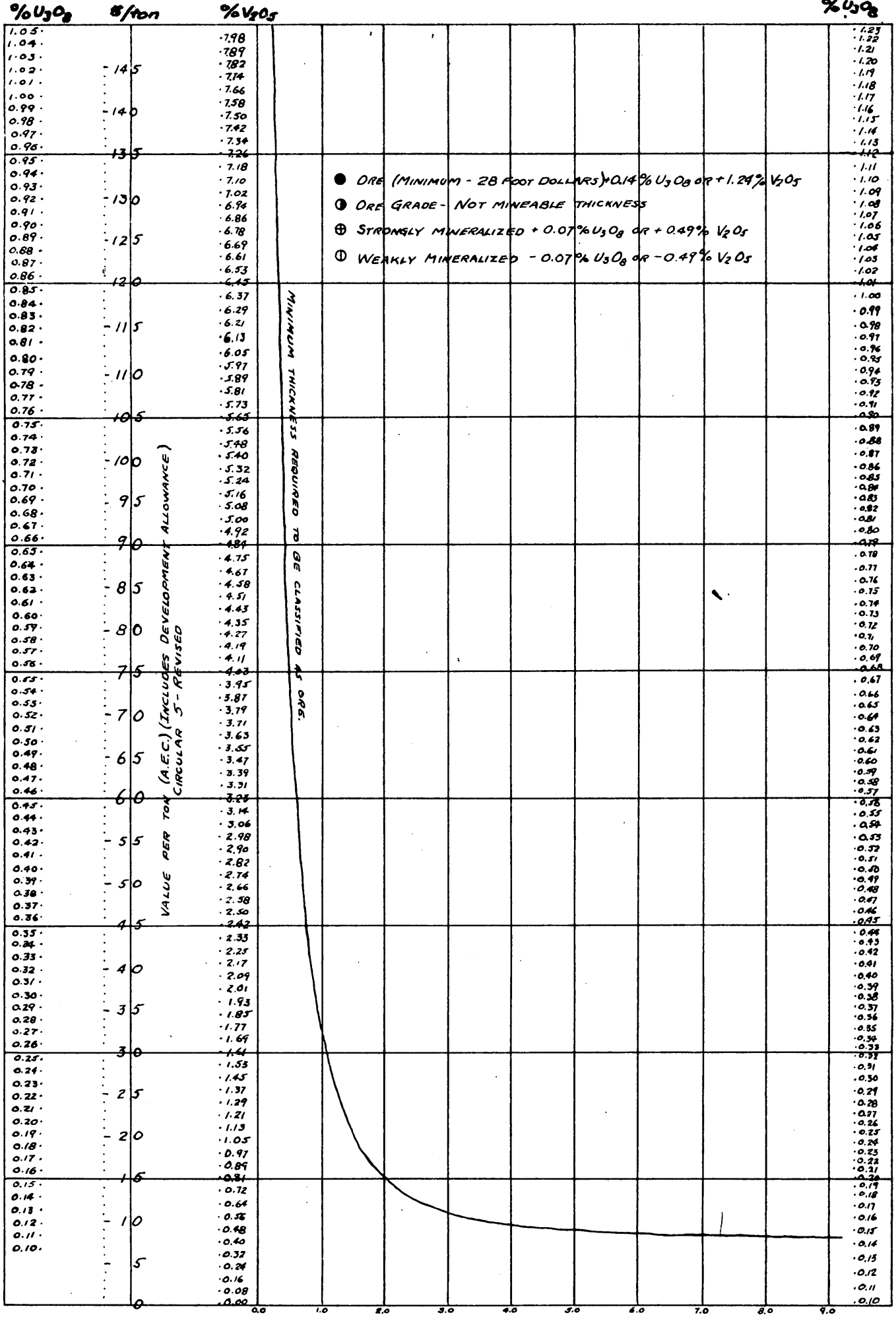
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL CO.

8-20-57

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead,
Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill Rotary

Docket DMEA ~~1195~~ 4826
Contract Idm E-~~1174~~ 1181
Beaver Mesa ~~Johnson Mac Group~~

Drill-hole No. JX JS 61
Total depth 572.0
Collar elev. 7349.97

COORDINATES
North
East

Claim Hubbard Homestead
Date started Nov. 10, 1958
Date completed Nov. 11, 1958

Summary of log	OBSS	Thick	SS Color	MS	Under OBSS	Cbn
Favorable	496.8-534.8	38.0	Wh/Gy	9.9 Gn		A
Favorable	544.7-560.9	16.2	Wh/Gy	3.1 Gn		N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	485.0						Plug	
485.0	493.5	8.5	MS	R		N	A itbd. LGy. & Pp. Qtzc. SS	
493.5	496.8	3.3	MS/ST	Gn		N	S itbd. LGy. Qtzc. SS	
496.8	512.4	15.6	SS	Wh	F-M	S	A Alt. Vol.; S int. Gn. MS; S Gn. MS fms. & incls.; Cbn. fks. near bottom; Mostly massive	
512.4	515.2	2.8	SS	Wh	M	N	A Alt. Vol.; S Gn. MS fms.	
515.2	520.8	5.6	SS	Wh/LGy	F-M	N	A Alt. Vol.; A Gn. MS fms.; Lam. X-bedded	
520.8	522.3	1.5	SS	Gy	F	S	A Alt. Vol.; Lam.; M U spots	129
522.3	523.8	1.5	SS	Gy/Bk	F	S	A Alt. Vol.; A U spots; Friable	130
523.8	533.0	9.2	SS	LGy/Wh	F	N	A Alt. Vol.; S Gn. MS incls.; Massive	
533.0	534.8	1.8	SS	LGy	VF-F	A	Trashy zone; Lam.; 0.2 Bk. MS at top	131
534.8	544.7	9.9	MS/ST	Gn		N	A itbd. Wh/LGy qtzc. SS	
544.7	560.9	16.2	SS	Wh/LGy	F-M	M	A Alt. Vol.; A Gn. MS fms.; A int. Gn. MS; Lam.; X-bedded; Cbn. fks. & fms. at 556.5	
560.9	564.0	3.1	MS	Gn		N	Itbd. Gy. Qtzc. SS at bottom	
564.0	572.0	8.0	MS	R/Gn		N	Mot.; S itbd. LR Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
129	520.8	522.3	1.5	0.07	0.04	
130	522.3	523.8	1.5	0.17	0.12	
131	533.0	534.8	1.8	0.01	0.07	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4XX~~ 4826
Contract Idm E-~~mzx~~ 1181
Beaver Mesa ~~Johnny Mac Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 62
Total depth: 584.0
Collar elev. 7361.7T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Nov. 12, 1958
Date completed: Nov. 14, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	509.8-549.2	39.4	Wh/Gy	Under OBSS 4.1 Gn.	A
Semi-Favorable	553.3-573.9	20.6	Wh	0.3 Gn.	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	500.0						Plug	
500.0	508.0	8.0	MS	R/Gn		N	Mot.; M itbd. LGy. Qtzc. SS	
508.0	509.8	1.8	MS/ST	Gn		N	Sandy	
509.8	516.5	6.7	SS	Wh/LGy	F-M	N	A Alt. Vol.; S int. Gn. MS; Semi Qtzc. at top; Massive	
516.5	531.7	15.2	SS	Wh	F	S	A Alt. Vol.; S Gn. MS fms.; Partly Lam.	
531.7	532.8	1.1	SS	DGy/Bk	F-M	A	A Alt. Vol.; Trashy at top and bottom; Greenish tinge; Lam.; S U fms.	132
532.8	533.8	1.0	SS	Gy	F-M	N	A Alt. Vol.; S Gn. MS fms.; Lam.	133
533.8	540.8	7.0	SS	Wh/LGy	F&M	N	A Alt. Vol.; S Gn. MS fms.	
540.8	549.2	8.4	SS	Wh	F-M	S	A Alt. Vol.; A Gn. & Br. MS incls.; Speckled	
549.2	553.3	4.1	ST/MS	Gn		N	A itbd. Wh. Qtzc. SS	
553.3	571.1	17.8	SS	Wh/LGy	F-M	M	A Alt. Vol.; S Gn. MS fms.; 0.2 Gn. MS at 558.0; 0.2 Gn. MS at 558.8; Trashy zone at 569.0	
571.1	571.4	0.3	SS	Wh	F-M	M	A Alt. Vol.; Trashy zone; Lam.; Fossil wood w/ pyrite	134
571.4	573.9	2.5	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS fms.; Semi-Qtzc. at bottom	
573.9	574.2	0.3	MS	Gn		N		
574.2	584.0	9.8	MS	R/Gn		N	Mot.; S itbd. Wh. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
132	531.7	532.8	1.1	0.22	2.75	
133	532.8	533.8	1.0	0.01	0.08	
134	571.1	571.4	0.3	Trace	0.05	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4094~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 68
Total depth 610.0
Collar elev. 7420.0T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Nov. 24, 1958
Date completed Nov. 26, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	560.0-604.2	44.2	Wh	Under OBSS 3.7 Gn	M

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	555.0						Plug	
555.0	560.0	5.0	SS	LR	F	N		
560.0	564.7	4.7	SS	Wh	F	N	A Alt. Vol.; Qtzc. at bottom	
564.7	568.5	3.8	SS	Gn	F	N	A int. Gn. MS	
568.5	587.0	18.5	SS	Wh	F-M	M	A Alt. Vol.; M int. Gn. MS; Cbn. fks. at 584.1	
587.0	592.5	5.5	SS	Wh	F-M	M	A Alt. Vol.; M Gn. MS fms.; X-bedded; Cbn. fms. at bottom	
592.5	604.2	11.7	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS incls.; Massive	
604.2	607.9	3.7	MS	Gn		N	S itbd. LGy. Qtzc. SS	
607.9	610.0	2.1	MS	R		N		

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JK~~ JS68

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~1026~~ 1181
Beaver Mesa ~~Johnson Mine Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 64
Total depth 545.0
Collar elev. 7349.1T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Nov. 4, 1958
Date completed Nov. 7, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Unfavorable	None	N	N	Under OBSS N	N

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	485.0						Plug	
485.0	545.0	60.0	MS	R/Gn		N	Mot.: A itbd. Wh. & LR Qtzc. SS; S calcite filled jts.; S itbd. Gn. LS. (No evidence of faulting - layered MS)	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JK~~ JS64

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XMM~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~XX~~ JS 65
Total depth 619.0
Collar elev. 7398.0T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Nov. 21, 1958
Date completed Nov. 24, 1958

Summary of log: Favorable; OBSS 530.0-605.9; Thick 75.9; SS Color Wh/Gy; MS Under OBSS 3.3 Gn; Cbn A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	530.0						Plug	
530.0	534.0	4.0	SS	Wh	F	N	A Alt. Vol.; S Gn. MS incls.; Semi-Qtzc.	
534.0	537.0	3.0	SS	Gn	F	N	A Alt. Vol.; A int. Gn. MS	
537.0	550.5	13.5	SS	Wh	F-M	N	A Alt. Vol.; M int. Gn. MS; S Gn. MS incls.; S calcite filled joints	
550.5	560.2	9.7	SS	Wh	F-M	S	A Alt. Vol.; M Gn. MS fms.; Lam.	
560.2	564.0	3.8	SS	Wh/LGy	F	S	M Alt. Vol.; S Gn. MS fms.; Lam.	
564.0	565.5	1.5	SS	Wh/LGy	F-M	S	A Alt. Vol.; M Gn. MS fms.	
565.5	565.6	0.1	MS	Bk		?		139
565.6	584.1	18.5	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS incls.; Massive	
584.1	598.1	14.0	SS	Wh	F	S	A Alt. Vol.; M Gn. MS fms.; Lam.	
598.1	602.0	3.9	SS	Gy	F	A	A Alt. Vol.; A itbd. Gn. MS at top; 598.1-599.2 trashy zone - contorted; 599.2-602.0 x-bedded Cbn. fms.	140
602.0	605.9	3.9	SS	LGy	F-M	S	A Alt. Vol.; M Gn. MS fms.; Lam. Qtzc. at bottom	
605.9	609.2	3.3	MS	Gn		N	S itbd. Ls.	
609.2	619.0	9.8	MS	R/Gn		N	Mot.; M itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
139	565.5	565.6	0.1	0.02	0.77	
140	598.1	602.0	3.9	Trace	0.02	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black.	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~XX~~ JS65

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1024~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 63
Total depth: 595.0
Collar elev. 7367.0T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Nov. 18, 1958
Date completed: Nov. 20, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	512.5-559.1	46.6	Wh/Gy	Under OBSS 12.2Gn	M
Favorable	571.3-584.4	13.1	Wh/Gy	2.4Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	505.0						Plug	
505.0	510.2	5.2	MS	R		N	A itbd. Wh. Qtzc. SS	
510.2	512.5	2.3	MS	Gn		N	Sandy	
512.5	515.0	2.5	SS	Gn	F	N	A int. Gn. MS	
515.0	532.0	17.0	SS	Wh	F-M	M	A Alt. Vol.; S int. Gn. MS; S Gn. MS incls.; Trashy zone 529.8-530.3; Massive	
532.0	536.7	4.7	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS fms.; Lam.; X-bedded	
536.7	541.5	4.8	SS	Wh	F	M	A Alt. Vol.; M Gn. MS fms.; Cbn. fms. w/ int. Gn. MS at 536.8, 537.4 and 541.4; Lam.	
541.5	545.0	3.5	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS fms.	
545.0	549.0	4.0	SS	Wh/LGy	M	N	A Alt. Vol.; M Gn. MS incls.	
549.0	550.9	1.9	SS	Gy	F-M	N	A Alt. Vol.; S Gn. MS incls. w/ S bright R MS (Sez)	135
550.9	553.0	2.1	SS	LGy	F-M	N	A Alt. Vol.; Massive	136
553.0	558.5	5.5	SS	Wh/LGy	F-M	N	A Alt. Vol.; M Gn. MS incls.; More coarse towards base	
558.5	559.1	0.6	SS	Wh	M	N	A Gn. & Bk. MS incls.	137
559.1	571.3	12.2	MS/ST	Gn		N	A itbd. Wh. Qtzc SS; M itbd. F SS; Transition zone	
571.3	578.3	7.0	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS fms. & incls.; S int. Gn. MS	
578.3	582.9	4.6	SS	Gy	F-M	M	A Alt. Vol.; A Gn. MS fms.; Lam. X-bedded	138
582.9	584.4	1.5	SS	LGy	F	A	M Alt. Vol.; Fossil wood; Trshy; Lam.; X-bedded; Qtzc.	
584.4	586.8	2.4	MS/ST	Gn		N	M itbd. Wh. Qtzc. SS	
586.8	595.0	8.2	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
135	549.0	550.9	1.9	0.03	0.07	
136	550.9	553.0	2.1	0.01	0.03	
137	558.5	559.1	0.6	0.01	0.02	
138	578.3	582.9	4.6	Trace	0.01	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 61

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4494~~ 4826

CONTRACT Idm E-~~1074~~ 1181

Date Probed Nov. 11, 1958 Probed By JW

Plug Depth 485.0' Core Interval 87.0'

Total Depth 572.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 572.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	485.0	5	0.02	0.00
485.0	521.0	5	0.02	0.00
521.0	522.0	5	0.04	0.01
522.0	523.0	5	0.12	0.04
523.0	524.0	5	0.30	0.10
524.0	526.0	5	0.34	0.11
526.0	527.0	5	0.06	0.02
527.0	572.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 61

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 62

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4194~~ 4806
CONTRACT Idm E-~~1074~~ 1181

Date Probed Nov. 14, 1958 Probed By JV

Plug Depth 500.0' Core Interval 84.0'

Total Depth 584.0'

Type of Probe Unit Used Dabbel Counter #870 with 1000' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 584.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	500.0	5	0.02	0.00
500.0	533.0	5	0.02	0.00
533.0	534.0	5	0.50	0.17
534.0	535.0	4	0.45	0.41
535.0	536.0	4	0.55	0.50
536.0	537.0	5	0.24	0.08
537.0	538.0	5	0.14	0.04
538.0	539.0	5	0.12	0.04
539.0	584.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 62

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 62

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4494~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed Nov. 20, 1958 Probed By JV

Plug Depth 505.0' Core Interval 90.0'

Total Depth 595.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 595.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
0.0	505.0	5	0.02	0.00
505.0	595.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 63

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 64

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4824~~ 4836

CONTRACT Idm E-~~1824~~ 1181

Date Probed Nov. 6, 1958 Probed By JW

Plug Depth 485.0' Core Interval 60.0'

Total Depth 545.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 545.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	409.8	5	0.02	0.00
409.8	410.0	4	0.80	0.72
410.0	545.0	5	0.02	0.00

RESULTS No SS found in this hole, however, some count at approximate location of expected top of SS.

HOLE NO. ~~JR~~ JS 64

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 65

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4494~~ 4326

CONTRACT Idm E-~~1074~~ 1181

Date Probed Nov. 23, 1958 Probed By JW

Plug Depth 530.0' Core Interval 89.0'

Total Depth 619.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 619.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	530.0	5	0.01	0.00
530.0	619.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 65

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 68

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4494~~ 4826

CONTRACT Idm E-~~1074~~ 1181

Date Probed Nov. 25, 1958 Probed By JW

Plug Depth 555.0' Core Interval 55.0'

Total Depth 610.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 610.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
0.0	555.0	5	0.02	0.00
555.0	610.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 68

224 New Customhouse
Denver 2, Colorado

DEC 9 1958

FINAL DISTRIBUTION
DEC 12 1958
MADE
OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 15 1958

DATE	INITIALS	CODE
12/15	C	220
"		110
12/16		700

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4826 (Uranium) Contract Idm-[illegible] New Idria Mining and Chemical Company, (Pach[illegible] et al. claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of October, 1958

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.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

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. Payment is recommended for 75 percent of the amount reported on Form MF-104 for October, 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report----------November 11, 1958
Date Received in Field Office----------November 17, 1958
Date Received in Region Office----------November 21, 1958
Reason for delay: Held pending receipt of corrected forms from Operator.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures
JDC:hmk

cc: Chmn. Op. Comm. (2)
MF-104 file, Reg. III
Robertson, OME/GJ
Harshman)
Hasler) w/copy of Engr's Report.
OME/DFC) Chron

DEPARTMENT OF INTERIOR
NOV 21 1958
REC
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

November 20, 1958

Memorandum

To: Executive Officer, OME Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4826 (Uranium), Contract EAc-E 1181, New Idria Mining and Chemical Company (Hubbard Homestead, Pack Rat, et al., claims), Mesa County, Colorado. Progress report for October 1958.

Work on Stage II of the subject project continued throughout the month of October. An inspection was made on November 4, 1958, by H. F. Robertson accompanied by George Hamlett, the operator's geologist.

The operator's claim (received at Grand Junction on November 17, 1958) covers the cost incurred in the completion of a total of 3,702 feet of noncore drilling and 739 feet of core drilling in 11 Stage II holes as follows:

Actual Cost Items		
Noncore drilling		
0-300 feet	2,817 feet at $2.00/ft.	$ 5,634.00
300-600 feet	885 feet at $2.10/ft.	1,858.50
Core drilling		
0-400 feet	498 feet at $4.40/ft.	2,191.20
400-600 feet	230 feet at $4.90/ft.	1,127.00
600-800 feet	11 feet at $6.00/ft.	66.00
Standby time	11 hours at $12.00/hr.	132.00
Bulldozing time	24-1/2 hours at $12.00/hr.	294.00
Miscellaneous items		
Chemical analyses	25 samples at $5.00/spl.	125.00
Fixed Unit Cost Items		
Incidental allowance	4,441 feet at $0.21/ft.	932.61
Total amount claimed, October 1958		$ 12,360.31

The claims for drilling and bulldozing are supported by invoices from the respective subcontractors. Chemical assay certificates and invoices were included to verify the claim for the 25 chemical analyses.

The holes completed during October 1958 are located as shown on the map accompanying the operator's claim. The drilling was performed in conformance with contract specifications as to core size, cored interval, and penetration of the underlying red mudstone. Of the 11 holes completed during the month, JB-54, JB-66, and JB-69 were classed as "ore holes"; JB-58 was strongly mineralized; JB-42, JB-56, JB-57, and JB-60 were weakly mineralized; and JB-55, JB-59, and JB-67 were barren (table 1).

As of the date of this report, 4 of the 29 authorized second stage holes are not completed. The operator has indicated that it may request approval of one or two additional second stage hole locations. If so, a request for a time extension would be submitted in conjunction with the proposal. All remaining holes will be located on the western portion of the Hubbard Homestead and will average about 600 feet in depth.

The operator submitted in quintuplicate a signed narrative report with map, NF-104, NF-104A, geologic logs, and radiometric probing results. One copy each of assay certificates (4) and invoices for drilling, bulldozing, and chemical analyses accompanied the claim. The work was performed and claims made in conformance with contract specifications. The monthly and cumulative totals on the NF-104 forms are correct.

The inspecting engineer recommends payment of $9,270.23, representing 75 percent of the total amount ($12,360.31) claimed for October 1958 operations.

H. F. Robertson

H. F. Robertson
Mining Engineer

Table 1.--Summary of drilling results - October 1958.
DMRA 4806 Contract Km-R 1181

Hole No.	Core	Remnore	Total	Mineralization: Radiometric Interval	Radiometric WO_3	Chemical Interval	Chemical WO_3	Chemical SnO_2
JR-42	57	330	387	Barren		351.2-351.6	0.06	0.60
						360.6-360.8	0.03	0.08
JR-54	90	172	262	206.0-207.0	0.06	205.1-207.6	0.18	0.78
				207.0-208.0	0.22			
				208.0-209.0	0.55	207.6-209.5	0.01	0.10
				209.0-210.0	0.22			
				210.0-211.0	0.02			
JR-55	60	165	225	198.0-199.0	0.07	198.8-199.1	0.02	0.16
				199.0-200.0	0.10			
				200.0-201.0	0.04			
JR-56	60	190	250	Barren		222.3-223.8	0.01	0.21
						228.6-228.9	0.04	0.08
JR-57	86	190	276	231.0-232.0	0.05	225.7-227.9	0.02	0.37
				232.0-233.0	0.19			
				233.0-234.0	0.20	231.6-233.0	0.05	0.07
				234.0-235.0	0.11			
				235.0-236.0	0.02			
JR-58	79	365	444	371.0-372.0	0.10	372.5-372.5	0.02	0.03
				372.0-377.0	0.05	372.5-373.5	0.11	0.12
				377.0-378.0	0.07	373.5-375.5	0.02	0.46
				378.0-380.0	0.10	375.5-377.5	0.01	0.09
				380.0-383.0	0.04	377.5-379.5	0.04	0.63
JR-59	56	360	416	Barren		Barren		
JR-60	75	330	405	Barren		356.2-357.0	0.01	0.08
						357.0-357.7	0.04	0.30
						357.7-359.5	0.03	0.15
JR-66	55	510	565	528.0-529.0	0.04	529.6-531.5	0.38	2.07
				529.0-530.0	0.16			
				530.0-533.0	0.07	531.5-533.4	0.05	0.96
				533.0-535.0	0.03			
				535.0-536.0	0.10	533.4-536.4	0.05	0.11
				536.0-537.0	0.13			
				537.0-538.0	0.03	536.4-538.2	0.31	0.44
JR-67	53	550	603	Barren		582.6-582.9	0.01	0.04
JR-69	68	540	608	570.0-571.0	0.08	547.5-547.7	0.13	0.09
				571.0-572.0	0.13			
				572.0-572.5	0.54	569.2-570.6	0.21	3.72
				572.5-573.0	0.27			
				573.0-574.0	0.03	581.8-585.8	0.01	0.11
Totals	739	3,702	4,441					

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED DEC 15 1958 O.M.C.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 195 8 Docket No. DMEA 4926 Contract No. Idm E-1181
Operator's Name New Idria Mininning and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado
Contract Amount, $ 102,620.00 Government Participation: 75 % Amount, $ 76,965.00

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 Contracts:						
Drilling None Core	5,634.00	27,790.00	33,424.00			
" "	1,858.50	8,427.30	10,285.80			
"	2,191.20	9,939.60	12,130.80			
"	1,127.00	6,164.20	7,291.20			
"	66.00	810.00	876.00			
(2)						
Standby Time	132.00	624.00	756.00			
Bulldozing	294.00	1,445.00	1,739.00			
Incidental Allow.	932.61	4,527.60	5,460.21			
(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	125.00	515.00	640.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	12,360.31	60,242.70	72,603.01	12,360.31	60,242.70	72,603.01
				D 180.00	D 180.00	

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

Date Nov. 11/58 *Payee New Idria Mining and Chemical Company, Agent

Per [signature] Title Assistant Secretary

*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.

D 180.00 Remarked

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: 60423.70 72783.01

$9270.23

Signature [signature]
(Authorized Certifying Officer)

Date 12/10/58 Vou. No. DMEA 9 59-71

(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-E1181 in accordance with the terms of the contract.

Signature H. F. Robertson Title Mining Engr. Date 12/5/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [illegible] Title Executive Officer Date DEC 9 1958

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-204A
(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 1958 Docket No. DMEA 4826 Contract No. Idm E-1181

Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium

Address Post Office Box 311, Grand Junction, Colorado

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								
Raising								
Shafts Drilling Core	Foot			6,446.00	1,465	4.40	1,515	4.40
Winzes " "	"			6,041.70	1,255	4.90	1,280	4.90
Drilling: Core None "	"			810.00	135	6.00	205	6.00
" Churn " "	"			21,510.00	10,755	2.00	11,175	2.00
" Auger " "	"			8,155.30	3,875	2.10	4,145	2.10
Stripping Bulldozing	Hour			1,140.00	95	12.00	80	12.00
Trenching Standby Time	"			480.00	40	12.00	40	12.00
Test Pits Analysis	Each			415.00	83	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot			3,666.81	17,461	.21	18,320	.21
TOTAL DISTRIBUTED COSTS				48,642.81				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS				48,642.81				

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.

REMARKS: N.I.R.

Date Nov. 11, 1958 Operator New Idria Mining & Chemical Co. Agent

Per [signature] Title Assistant Secretary

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)

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-104A
(April 1958)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED NOV 15 1958 O.M.E.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1958 Docket No. DMEA 4826 Contract No. Idm 8-1181

Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium

Address Post Office Box 511, Grand Junction, Colorado

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
Drifting				STAGE II				
Crosscutting								
[redacted]								
[redacted] Drill.Non-Core	Foot	5,654.00	2,817	11,914.00	5,957	2.00	11,175	2.00
[redacted] " " "	"	1,858.50	885	2,152.50	1,025	2.10	4,145	2.10
Drilling: [redacted] "	"	2,191.20	498	5,684.80	1,292	4.40	1,515	4.40
" [redacted] "	"	1,127.00	230	1,249.50	255	4.90	1,280	4.90
" [redacted] "	"	66.00	11	66.00	11	6.00	205	6.00
[redacted] Standby Time	Hour	132.00	11	276.00	23	12.00	40	12.00
[redacted] Bulldozing	"	294.00	24½	779.00	65½	11.89	80	12.00
[redacted] Analysis	Each	125.00	25	225.00	45	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot	930.61	4,441	1,795.40	8,540	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		12,560.31		24,140.20				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		12,560.31		24,140.20				

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 November 11/58 Operator New Idria Mining and Chemical Company, Agent

By [signature] Title Assistant Treasurer

REMARKS: H.J.R.

→ 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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

November 7, 1958

Mr. E. N. Harshman
Acting Executive Officer
OME Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for October, 1958

Dear Mr. Harshman:

Drilling on Stage II of the above numbered contract was continued during the month of October, 1958, and eleven holes were completed. (Six holes remain to be drilled to complete the contract.) The eleven holes were completed with a total of 4,441 feet of drilling of which 3,702 feet was non-core drilling and 739 feet was core drilling.

Of the eleven holes eight were drilled on the lower bench and three were collared on the Dakota Formation on the Hubbard Homestead. The six remaining holes are all to be collared on the Dakota on the Hubbard Homestead.

The results of the drilling was favorable with the following classification of the drill holes: Holes JS-54, JS-66 and JS-69 were ore holes, JS-58 was strongly mineralized, JS-42, JS-56, JS-57 and JS-60 were weakly mineralized and JS-55, JS-59 and JS-67 were barren.

The ore holes give an indication of an ore body under the deep portion of the Hubbard Homestead that was not previously indicated by any information available.

Drilling for the month was normal for the area and water was encountered in the holes with the exception of a few near the rim. However, an extensive flow was not found as had been encountered in some of the previous holes.

Twenty four and one-half hours of dozer work was done during the month to complete the Stage II drill locations.

Continued - Letter to Mr. E. N. Harshman re monthly report on drilling for October, 1958, Docket DMEA-4826 (Uranium), Contract No. Idm-E1181, Hubbard Homestead, Pack Rat, et al., Claims, Mesa County, Colorado.

The following table gives the pertinent data on the eleven holes drilled during the month of October, 1958.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-42	10-1	10-3	330	57	387	0.4	0.06	0.60	Favorable
						0.2	0.03	0.08	
JS-54	10-7	10-7	172	90	262	2.5	0.18	0.78	Favorable
						1.9	0.01	0.10	
JS-55	10-6	10-7	165	60	225	0.3	0.02	0.16	Favorable
JS-56	10-8	10-8	190	60	250	1.5	0.01	0.21	Favorable
						0.3	0.04	0.08	
JS-57	10-9	10-10	190	86	276	2.2	0.02	0.37	Favorable
						1.4	0.05	0.07	
JS-58	10-12	10-13	365	79	444	1.0	0.02	0.03	Favorable
						1.0	0.11	0.12	
						2.0	0.02	0.48	
						2.0	0.01	0.29	
						2.0	0.04	0.63	
JS-59	10-11	10-12	360	56	416		Barren		Favorable
JS-60	10-20	10-23	330	75	405	0.8	0.01	0.08	Favorable
						0.7	0.04	0.30	
						1.8	0.03	0.15	
JS-66	10-23	10-24	510	55	565	1.9	0.30	2.07	Favorable
						1.9	0.05	0.96	
						2.8	0.05	0.11	
						2.0	0.31	0.44	
JS-67	10-30	10-31	550	53	603	0.3	0.01	0.04	Favorable
JS-69	10-28	10-30	540	68	608	0.2	0.13	0.09	Favorable
						1.4	0.21	3.72	
						4.0	0.01	0.11	
Totals			3702	739	4441				

Very truly yours,

NEW IDRIA MINING & CHEMICAL COMPANY

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket DMEA 4826
Contract No. Idm-E1181
Hubbard, Pack Rat, et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS-42	46.6		0.6	5.5	6.1	M	7	7	3	17	Favorable
JS-54	84.5		3.6	2.9	6.5	A	7	7	4	18	Favorable
JS-55	49.9			3.1	3.1	S	7	6	2	15	Favorable
JS-56	50.6			2.8	2.8	M	7	6	3	16	Favorable
JS-57	75.3		3.8	0.8	4.6	S	7	7	2	16	Favorable
JS-58	68.8	3.2	4.8	0.2	8.2	A	7	7	4	18	Favorable
JS-59	42.6			2.9	2.9	S	7	6	2	15	Favorable
JS-60	66.2		2.9	6.2	9.1	A	7	7	4	18	Favorable
JS-66	50.8		1.0		1.0	S	7	4	2	13	Favorable
JS-67	35.7	2.0	2.0	3.7	7.7	S	6	7	2	15	Favorable
JS-69	57.0	0.5	6.6		7.1	S	7	7	2	16	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

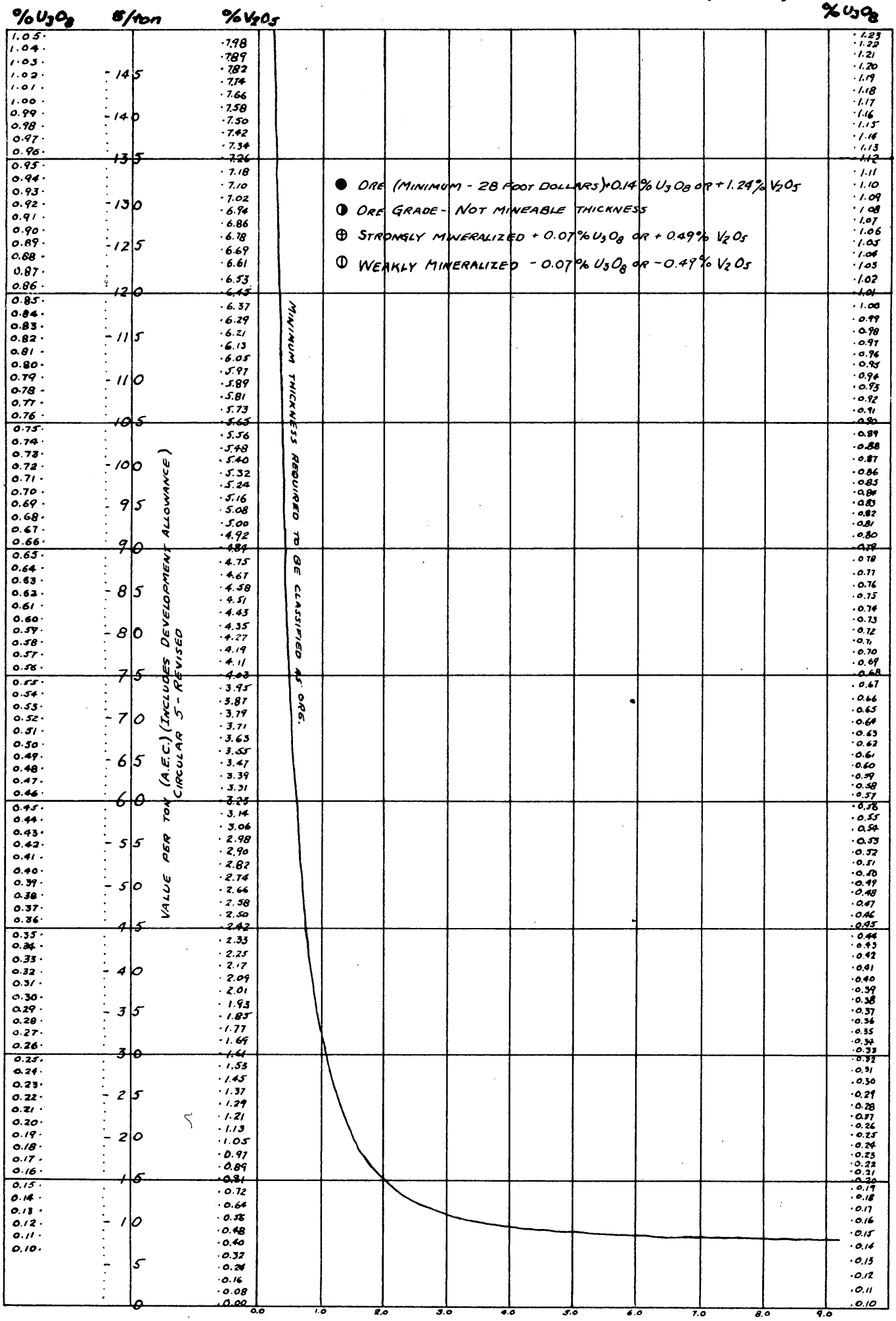
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL CO.
URANIUM DIVISION

8-20-57

FROM A.W.G.

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NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead,
Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4832~~ 4826
Contract Idm E-~~1072~~ 1181
Beaver Mesa ~~[illegible]~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JK JS 42
Total depth 387.0
Collar elev. 7157.3T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Oct. 1, 1958
Date completed Oct. 3, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Favorable	330.0-276.6	46.6	Wh/Gy	Under OBSS 5.5 Gn	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	DESCRIPTION REMARKS	Sample
0.0	330.0						Plug	
330.0	351.2	21.2	SS	Wh/LGy	F-M	S	A Alt. Vol.; S Gn. MS fms. & incls.; Massive	
351.2	351.6	0.4	MS	Gn		M	Sandy	104
351.6	359.1	7.5	SS	LGy	F-M	S	A Alt. Vol.; S Gn. MS incls. Massive	
359.1	360.6	1.5	SS	LGy	F-M	N	A Alt. Vol.; M Gn. MS fms.; X-bedded	
360.6	360.8	0.2	MS	Gn		A	Sandy; Cbn. fms.; S U fms.	105
360.8	372.5	11.7	SS	LGy/Wh	F-M	S	A Alt. Vol.; S Gn. MS fms. & incls.; Partly lam.; Mass.	
372.5	376.6	4.1	SS	LGy	F	N	S Alt. Vol.; M Gn. MS fms.; Lam.	
376.6	382.1	5.5	MS/ST	Gn		N	S itbd. Gy. Qtzc. SS	
382.1	387.0	4.9	MS	R/Gn		N	Mot.; A itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
104	351.2	351.6	0.4	0.06	0.60	
105	360.6	360.8	0.2	0.03	0.08	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~1194~~ 4826
Contract Idm E-~~1024~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 54
Total depth: 262.0
Collar elev. 7014.5T

COORDINATES
North
East

Claim: Pack Rat No. 1
Date started: Oct. 7, 1958
Date completed: Oct. 7, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	172.0-256.5	84.5	Wh/Br/Gy	Under OBSS 2.9 Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	172.0						Plug	
172.0	183.1	11.1	SS	Wh	F	N	A Alt. Vol.; S int. Gn. MS; Mass.	
183.1	198.0	14.9	SS	LBr	M-F	N	A Alt. Vol.; M Lim. spks.; S Gn. MS fms.; Lam.	
198.0	201.3	3.3	SS	LBr	M-F	N	A Alt. Vol.; A Gn. MS fms.; Lam.	
201.3	205.1	3.8	SS	Wh/LBr	F	N	A Alt. Vol.; M Gn. MS fms.; Lam.	
205.1	207.6	2.5	SS	Br/Bk	F	A	0.1 Gn. MS at top; 205.2-206.5 L pink SS w/S U spks. & carnotite in jts at base; 206.5-207.6 SS Bk/Br; F; M U spks.	107
207.6	209.5	1.9	SS	Wh	F	M	A Alt. Vol.; A Gn. MS incls.; S bright R MS incls. (Se?)	108
209.5	217.0	7.5	SS	Wh/LBr	F-M	S	A Alt. Vol.; Cbn. fks. @ 210.5 & 210.7; S Gn. MS incls.	
217.0	222.7	5.7	SS	LBr	M-F	N	A Alt. Vol.; M Lim. spks.; Mass.	
222.7	228.1	5.4	SS	LGy	VF-F	N	Lam.; X-bedded; Contorted	
228.1	231.7	3.6	MS/ST	Gn		N		
231.7	236.3	4.6	SS	LGy	VF-F	S	Lam.; X-bedded; Contorted	
236.3	244.2	7.9	SS	Wh/LGy	F-M	S	M Alt. Vol.; A itbd. LGy. VF Lam. or contorted SS	
244.2	256.5	12.3	SS	LBr/Wh	M-F	N	A Alt. Vol.; S Gn. MS fms.; Mass.	
256.5	259.4	2.9	ST/MS	Gn		N	Itbd. Bk. MS at bottom	
259.4	262.0	2.6	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
107	205.1	207.6	2.5	0.18	0.78	
108	207.6	209.5	1.9	0.01	0.10	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 55
Total depth: 225.0
Collar elev. 7000.0T

COORDINATES
North
East

Claim: Pack Rat No. 1
Date started: Oct. 6, 1958
Date completed: Oct. 7, 1958

Summary of log: Favorable; OBSS: 169.6-219.5; Thick: 49.9; SS Color: Wh/Br; MS: Under OBSS; Cbn: 3.0 Gn S

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	165.0						Plug	
165.0	169.6	4.6	MS	R		N	Sandy at bottom	
169.6	181.0	11.4	SS	Wh	F-M	N	A Alt. Vol.; Lim. in vert. jts.; Massive	
181.0	188.5	7.5	SS	Wh	M-F	N	A Alt. Vol.; S Gn. MS fms.; Partly lam.	
188.5	196.0	7.5	SS	Wh/LBr	M-F	N	A Alt. Vol.; M Lim. spks.; Mass.	
196.0	198.8	2.8	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS fms.; Lam.	
198.8	199.1	0.3	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS fms. & incls.; M bright R MS incls. (Se)	106
199.1	207.9	8.8	SS	Wh/LBr	F-M	N	M Alt. Vol.; S Lim. spks.; Lim. in vert. joints.; Friable; Bk. MS incls. at 207.4; Mass.	
207.9	211.6	3.7	SS	LGy	VF-F	N	Massive	
211.6	219.5	7.9	SS	LBr/Wh	M-F	S	A Alt. Vol.; S Lim. spks.; 0.1 Gn. MS w/cbn. fks. (Pet Res.?) at 219.4	
219.5	222.5	3.0	MS/ST	Gn		N		
222.5	225.0	2.5	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
106	198.8	199.1	0.3	0.02	0.16	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS55

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~MRX~~ 4826
Contract Idm E-~~107X~~ 1181
Beaver Mesa ~~[illegible]~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 56
Total depth 250.0
Collar elev. 7030.0T

COORDINATES
North
East

Claim Pack Rat No. 1
Date started Oct. 8, 1958
Date completed Oct. 8, 1958

Summary of log	OBSS	Thick	SS Color	MS Under OBSS	Cbn
Favorable	191.9-242.5	50.6	Wh/Br/Gy	2.8 Gn	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0							Plug	
190.0	191.9	1.9	MS	R/Gn		N	Mot.	
191.9	195.0	3.1	SS	Gn	F-M	N	A int. Gn. MS	
195.0	208.0	13.0	SS	Wh	F.	N	M Alt. Vol.; S itbd. VF SS; Mass.	
208.0	219.0	11.0	SS	Wh	M-F	S	A Alt. Vol.; M Gn. MS fms.; Lam. X-bedded; Lim. in vert. joints	
219.0	222.3	3.3	SS	Wh	M-F	N	A Alt. Vol.; Massive	
222.3	223.8	1.5	SS	Gy	F-M	S	S Alt. Vol.; M Gn. MS fms.; X-bedded	109
223.8	228.6	4.8	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS incls.	
228.6	228.9	0.3	SS	LGy	F	A	Fossil wood w/m pyrite	110
228.9	242.5	13.6	SS	Wh/LBr	F-M	S	A Alt. Vol.; M Lim. spks.; M Gn. MS fms. & incls.; Lim. in vert. jts.; Qtzc. at base	
242.5	245.3	2.8	MS	Gn		N		
245.3	250.0	4.7	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
109	222.3	223.8	1.5	0.01	0.21	
110	228.6	228.9	0.3	0.04	0.08	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA 4826
Contract Idm E-1181
Beaver Mesa

Type of Drill: Rotary

Drill-hole No. JS 57
Total depth: 276.0
Collar elev. 7028.0T

COORDINATES
North
East

Claim: Pack Rat No. 1
Date started: Oct. 9, 1958
Date completed: Oct. 10, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	196.9-272.2	75.3	Wh/Br/Gy	Under OBSS 0.8 Gn	S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	190.0						Plug	
190.0	196.9	6.9	MS	R		N	S itbd. Pp. SS	
169.9	198.5	1.6	SS	Gn	F	N		
198.5	210.0	11.5	SS	Wh	F-M	N	A Alt. Vol.; Mass.	
210.0	225.7	15.7	SS	Wh	M-F	S	A Alt. Vol.; M Gn. MS fms.; Lam. Lim. in vert. joints	
225.7	227.9	2.2	SS	LGy	F-M	S	A Alt. Vol.; Lam.	111
227.9	231.6	3.7	SS	Wh	F	N	M Alt. Vol.; S Gn. MS fms.; Lam.	
231.6	232.0	1.4	SS	Wh	F	N	A Alt. Vol.; A Gn. MS fms. & incls.; M bright R MS incls. (Se?)	112
233.0	241.0	8.0	SS	Wh	F	N	M Alt. Vol.; Mass.	
241.0	249.1	8.1	SS	Wh/LBr	M-F	N	A Alt. Vol.; M Lim. spks.; Mass.	
249.1	252.9	3.8	MS/ST	Gn		N	A itbd. LGy. Qtzc. SS	
252.9	255.9	3.0	SS	LGn	VF-F	N	Lam.; X-bedded; Contorted	
255.9	272.2	16.3	SS	LGy	F	S	S Alt. Vol.; Mass.; M itbd. VF contorted SS	
272.2	273.0	0.8	MS	Gn		N		
273.0	276.0	3.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
111	225.7	227.9	2.2	0.02	0.37	
112	231.6	233.0	1.4	0.05	0.07	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

New Idria Mining & Chemical Company

DRILL HOLE LOG

Docket DMEA ~~444~~ 4826
Contract Idm E-~~107~~ 1181
Beaver Mesa ~~Intermediate Mine Claims~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 58
Total depth 444.0
Collar elev. 7205.0T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Oct. 12, 1958
Date completed Oct. 13, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn
Favorable; 371.5-440.3; 68.8; Gy/Wh; Under OBSS 0.2 Gn; A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	365.0						Plug	
365.0	368.3	3.3	MS	R/Gn		N	Mot.; S itbd. Gy. Qtzc. SS	
368.3	371.5	3.2	MS	Gn		N	Sandy; A itbd. Ls.	
371.5	372.5	1.0	SS	Gn	F	?	Silty; Pet. Res.?	113
372.5	373.5	1.0	SS	DGy	F	S	Cbn. pieces; Pet. Res.?; Semi-Qtzc.	114
373.5	375.5	2.0	SS	Oily Br	M	N	A Alt. Vol.; Mass.; Pet. Res.?	115
375.5	377.5	2.0	SS	Gy-Br	M-C	?	A Alt. Vol.; Mass.; Pet. Res.?	116
377.5	379.5	2.0	SS	Gy	M-C	S	A Alt. Vol.; S Gn. MS fms.; 0.1 Bk. st. at top	117
379.5	398.5	19.0	SS	LGy/Wh	F-M	N	A Alt. Vol.; A Gn. MS fms.; Lam. X-bedded	
398.5	403.0	4.5	MS	Gn		N		
403.0	431.6	28.6	SS	LGy/Wh	F-M	A	A Alt. Vol.; A int. Gn. MS & Gn. MS fms. & incls.; A itbd. Wh. SS & Gn. MS 409.0-410.3; A Cbn. fks. & fms. 417.9-418.6	
431.6	431.9	0.3	MS	Gn		N		
431.9	433.8	1.9	SS	Wh	VF-F	A	M Alt. Vol.; X-bedded	
433.8	440.3	6.5	SS	LGy	F-M	A	A Alt. Vol.; M Gn. MS fms. & incls.; Cbn. fks. & fms. 435.6-437.6	
440.3	440.5	0.2	ST	Gn		N		
440.5	440.7	0.2	MS	R		N		
440.7	444.0	3.3	SS	R	VF-F	N	Qtzc.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
113	371.5	372.5	1.0	0.02	0.03	
114	372.5	373.5	1.0	0.11	0.12	
115	373.5	375.5	2.0	0.02	0.48	
116	375.5	377.5	2.0	0.01	0.29	
117	377.5	379.5	2.0	0.04	0.63	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXXX~~ 4826
Contract Idm E-~~XXXX~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 59
Total depth: 416.0
Collar elev.: 7210.0T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Oct. 11, 1958
Date completed: Oct. 12, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	360.0-402.6	42.6	Wh/Gy	Under OBSS 2.9 Gn	S

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	360.0						Plug	
360.0	381.0	21.0	SS	Wh/LGy	F-M	S	A Alt. Vol.; M int. Gn. MS; M Gn. MS fms. & incls.	
381.0	382.6	1.6	SS	Wh	F-M	S	A Alt. Vol.; A Gn. MS incls.	
382.6	402.6	20.0	SS	Wh/LGy	F-M	N	A Alt. Vol.; M Gn. MS fms. & incls.; Massive	
402.6	405.5	2.9	MS	Gn		N		
405.5	416.0	10.5	MS	R/Gn		N	Mot.; S itbd. Gy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JK~~ JS59

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~102~~ 1181
Beaver Mesa ~~XXXXXXXXXXXX~~

Drill-hole No. ~~XX~~ JS 60
Total depth: 405.0
Collar elev. 7178.2T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Oct. 20, 1958
Date completed: Oct. 23, 1958

Summary of log: Favorable; OBSS: 330.0-396.2; Thick: 66.2; SS Color: Wh/Gy; MS: Under OBSS 6.2 Gn; Cbn: A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	330.0						Plug	
330.0	345.8	15.8	SS	Wh	F	N	A Alt. Vol.; S int. Gn. MS; Mass.	
345.8	356.2	10.4	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS fms.; Lam.; X-bedded	
356.2	357.0	0.8	SS	LGy	F-M	N	A Alt. Vol.; M Gn. MS fms.; Lam.	118
357.0	357.7	0.7	SS	Gy	F-M	N	A Alt. Vol.; M Gn. MS fms.; S U spks.	119
357.7	359.5	1.8	SS	LGy	F-M	S	A Alt. Vol.; S Gn. MS fms.; Lam.	120
359.5	379.6	20.1	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS fms.; Partly X-bedded; Semi-qtzc. at bot.	
379.6	382.5	2.9	MS/ST	Gn		M	Partly contorted; Cbn. fms. at base	
382.5	387.0	4.5	SS	Gy	VF-F	A	S Alt. Vol.; Silty; Contorted at top; Cbn. at bottom	
387.0	396.2	9.2	SS	LGy	F	A	Partly Lam.; Contorted and Cbnaceous at bottom	
396.2	402.4	6.2	MS/ST	Gn		N	M itbd. Gy. Qtzc. SS; Partly contorted	
402.4	405.0	2.6	SS	LR/Gy	VF	N	Qtzc.; S itbd. R MS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
118	356.2	357.0	0.8	0.01	0.08	
119	357.0	357.7	0.7	0.04	0.30	
120	357.7	359.5	1.8	0.03	0.15	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~XX~~ JS60

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA 4826
Contract Idm E-1181
Beaver Mesa Johnson Mac Group

Drill-hole No. JK JS 66
Total depth: 565.0
Collar elev. 7367.0T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Oct. 23, 1958
Date completed: Oct. 24, 1958

Summary of log	OBSS	Thick	SS Color	MS Under OBSS	Cbn
Favorable	510.0-560.8	50.8+	Wh/Gy	R	S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	510.0						Plug	
510.0	521.5	11.5	SS	Wh	F-VF	N	M Alt. Vol.; A int. Gn. MS	
521.5	521.8	0.3	MS	Gn		N		
521.8	529.6	7.8	SS	Wh/LGy	F-M	N	A Alt. Vol.; Calcite filled jts.	
529.6	531.5	1.9	SS	Gy	F	S	S Alt. Vol.; M U fms.; Coaly; Partly contorted	121
531.5	533.4	1.9	SS	Gn/Gy	M	N	A Alt. Vol.; Lam.; Friable	122
533.4	536.2	2.8	SS	Gy	F-M	N	A Alt. Vol.; A Gn. MS fms.; Lam. X-bedded; Semi-Qtzc.	123
536.2	538.2	2.0	SS	DGy	M-F	M	A Alt. Vol.; A Gn. & Bk. MS fms.; M U spks.; Friable; MS fm. at bottom	124
538.2	546.0	7.8	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS fms.; Mass.	
546.0	546.7	0.7	MS	Gn		N		
546.7	560.8	14.1	SS	Wh/LGy	F	N	A Alt. Vol.; Massive; Bottom 1.5' Qtzc.	
560.8	565.0	4.2	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
121	529.6	531.5	1.9	0.30	2.07	
122	531.5	533.4	1.9	0.05	0.96	
123	533.4	536.2	2.8	0.05	0.11	
124	536.2	538.2	2.0	0.31	0.44	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4424~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Lobonite Mine Group~~

Type of Drill.....

Drill-hole No. ~~JK~~ JS 67
Total depth 603.0
Collar elev. 7410.2T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Oct. 30, 1958
Date completed Oct 31, 1958

Summary of log: Favorable; OBSS 556.6-592.3; Thick 35.7; SS Color LGy/Wh; MS Under OBSS 3.7 Gn; Cbn S

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	550.0						Plug	
550.0	552.0	2.0	MS	R/Gn		N	Mot.	
552.0	556.6	4.6	MS/ST	Gn		N	Sandy at bottom	
556.6	562.4	5.8	SS	LGy	F	N	A Alt. Vol.; Semi-Qtzc.; Mass.; S itbd. Gn. MS	
562.4	563.8	1.4	MS/ST	Gn		N	Sandy	
563.3	582.6	18.8	SS	LGy/Wh	F-M	S	A Alt. Vol.; A Gn. MS fms.; Lam.; X-bedded	
582.6	582.9	0.3	MS	DGn/Bk		?		128
582.9	588.3	5.4	SS	LGy/Wh	F-M	N	A Alt. Vol.; Massive	
588.3	588.6	0.3	MS	Gn		N		
588.6	592.3	3.7	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS incls.; Massive	
592.3	596.0	3.7	MS	Gn		N	S itbd. LGy. Qtzc. SS	
596.0	603.0	7.0	MS	R/Gn		N	Mot.; S itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
128	582.6	582.9	0.3	0.01	0.04	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JK~~ JS67

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XIM~~ 4826
Contract Idm E-~~1976x~~ 1181
Beaver Mesa ~~Johnson Mines Group~~

Type of Drill Rotary

Drill-hole No. ~~XX~~ JS 69
Total depth 608.0
Collar elev. 7404.0T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Oct. 28, 1958
Date completed Oct. 30, 1958

Summary of log: Favorable; OBSS: 547.5-604.5; Thick: 57.0; SS Color: Wh/Gy; MS Under OBSS: R; Cbn: S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	540.0						Plug	
540.0	547.0	7.0	MS	R/Gn		N	Mot.; S itbd. LGy. Qtzc. SS; S Pp. SS	
547.0	547.5	0.5	MS	Gn		N		
547.5	547.7	0.2	SS	Gn	VF	N	Pp. Mn. or Se. (?); Qtzc.	125
547.7	548.8	1.1	SS	LGy	VF	N	Qtzc.	
548.8	550.4	1.6	SS	LGn	VF-F	N	S Alt. Vol.; Mass.	
550.4	555.0	4.6	MS/ST	Gn		N	A itbd. LGy. VF Qtzc. SS	
555.0	569.2	14.2	SS	Wh	F-M	S	A Alt. Vol.; M Gn. MS fms.; Partly lam.	
569.2	570.6	1.4	SS	Bk	M-F	?	A Alt. Vol.; U Sm. near top; Friable; Greenish; Lam.	126
570.6	581.8	11.2	SS	Wh	F-M	S	A Alt. Vol.; A Gn. MS incls.; Speckled	
581.8	585.8	4.0	SS	Gy	F-M	N	A Alt. Vol.; Partly Lam.; Bk. MS seam at top	127
585.8	587.8	2.0	MS	Gn		N		
587.8	594.6	6.8	SS	LGy/Wh	F	N	M Alt. Vol.; A int. Gn. MS; Mass.	
594.6	602.0	7.4	SS	LGy	F	N	M Alt. Vol.; Lam.	
602.0	604.5	2.5	SS	LGy	VF	N	Qtzc.	
604.5	605.1	0.6	MS	R/Gn		N	Mot.; 60% Gn.	
605.1	608.0	2.9	MS	Gn/Bk		N	S itbd. Ls.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
125	547.5	547.7	0.2	0.13	0.09	
126	569.2	570.6	1.4	0.21	3.72	
127	581.8	585.8	4.0	0.01	0.11	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 42

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4194~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed October 3, 1958 Probed By JW

Plug Depth 330.0' Core Interval 57.0'

Total Depth 387.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 387.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	330.0	5	0.01	0.00
330.0	387.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 42

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 54

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4824~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed October 7, 1958 Probed By JW

Plug Depth 172.0' Core Interval 90.0'

Total Depth 262.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 262.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
0.0	172.0	5	0.02	0.00
172.0	205.0	5	0.02	0.00
205.0	206.0	5	0.06	0.02
206.0	207.0	5	0.18	0.06
207.0	208.0	4	0.24	0.22
208.0	209.0	4	0.60	0.55
209.0	210.0	5	0.66	0.22
210.0	211.0	5	0.06	0.02
211.0	262.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JK~~ JS 54

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 55

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4824~~ 4826

CONTRACT Idm E-~~1074~~ 1181

Date Probed October 6, 1958 Probed By JT

Plug Depth 165.0' Core Interval 60.0'

Total Depth 225.0'

Type of Probe Unit Used Babbel Counter "870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 225.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	165.0	5	0.02	0.00
165.0	196.0	5	0.02	0.00
196.0	197.0	5	0.04	0.01
197.0	198.0	5	0.08	0.03
198.0	199.0	5	0.20	0.07
199.0	200.0	5	0.30	0.10
200.0	201.0	5	0.12	0.04
201.0	202.0	5	0.06	0.02
202.0	225.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 55

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 56

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4492~~ 4826

CONTRACT Idm E-1~~074~~ 1181

Date Probed October 8, 1958 Probed By JW

Plug Depth 190.0' Core Interval 60.0'

Total Depth 250.0'

Type of Probe Unit Used Dabbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 250.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
0.0	190.0	5	0.02	0.00
190.0	250.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 56

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 57

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4821~~ 4826

CONTRACT Idm E-~~1074~~ 1181

Date Probed October 10, 1958 Probed By JW

Plug Depth 190.0' Core Interval 86.0'

Total Depth 276.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 276.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	190.0'	5	0.02	0.00
190.0	227.0	5	0.02	0.00
227.0	228.0	5	0.04	0.01
228.0	231.0	5	0.08	0.02
231.0	233.0	5	0.14	0.05
233.0	234.0	5	0.58	0.19
234.0	235.0	5	0.60	0.20
235.0	236.0	5	0.34	0.11
236.0	237.0	5	0.06	0.02
237.0	276.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 57

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JX JS 58

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~1194~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed October 13, 1958 Probed By JW

Plug Depth 365.0' Core Interval 79.0'

Total Depth 444.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 444.0'

DEPTH FROM '	TO	SCALE	READING	GRADE ESTIMATE
0.0	365.0	5	0.02	0.00
365.0	370.0	5	0.02	0.00
370.0	371.0	5	0.02	0.00
371.0	372.0	5	0.30	0.10
372.0	377.0	5	0.14	0.05
377.0	378.0	5	0.20	0.07
378.0	380.0	5	0.30	0.10
380.0	383.0	5	0.12	0.04
383.0	389.0	5	0.08	0.03
389.0	390.0	5	0.16	0.05
390.0	428.0	5	0.02	0.00
428.0	430.0	5	0.06	0.02
430.0	436.0	5	0.02	0.00
436.0	439.0	5	0.05	0.02
439.0	444.0	5	0.02	0.00

RESULTS Some leach (?) almost on contact with SS and bottom MS/ST.

HOLE NO. JX JS 58

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 59

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4824~~ 4826
CONTRACT Idm E-~~1824~~ 1181

Date Probed October 11, 1958 Probed By JW

Plug Depth 360.0' Core Interval 56.0'

Total Depth 416.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 416.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	360.0	5	0.02	0.00
360.0	416.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 59

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 60

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4004~~ 4826

CONTRACT Idm E-~~1071~~ 1181

Date Probed October 22, 1958 Probed By JW

Plug Depth 330.0' Core Interval 75.0'

Total Depth 405.0'

Type of Probe Unit Used Babbel Counter #870 with 583' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 405.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	330.0	5	0.02	0.00
330.0	405.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 60

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 66

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA 4~~192~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed October 24, 1958 Probed By JW

Plug Depth 510.0' Core Interval 55.0'

Total Depth 565.0'

Type of Probe Unit Used Babbel Counter #870 with 583' reel and probe. Std. 55/4 scale.

Probed—From 0.0' To 565.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	527.0	5	0.01	0.00
527.0	528.0	5	0.06	0.02
528.0	529.0	5	0.12	0.04
529.0	530.0	5	0.50	0.16
530.0	533.0	5	0.20	0.07
533.0	535.0	5	0.08	0.03
535.0	536.0	5	0.30	0.10
536.0	537.0	5	0.40	0.13
537.0	538.0	5	0.08	0.03
538.0	565.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JK~~ JS 66

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JX JS 67

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA 4826

CONTRACT Idm E-1181

Date Probed October 31, 1958 Probed By JT

Plug Depth 550.0' Core Interval 53.0'

Total Depth 603.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 45/4 scale.

Probed—From 0.0' To 603.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	550.0	5	0.01	0.00
550.0	603.0	5	0.01	0.00

RESULTS Barren

HOLE NO. JX JS 67

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 69

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXXX~~ 4826

CONTRACT Idm E-~~1074~~ 1181

Date Probed October 30, 1958 Probed By JW

Plug Depth 540.0' Core Interval 68.0'

Total Depth 608.0'

Type of Probe Unit Used Babbel Counter #870 with 583' reel and probe, Std. 55/4 scale.

Probed—From 0.0' To 583.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	540.0	5	0.02	0.00
540.0	570.0	5	0.02	0.00
570.0	571.0	5	0.07	0.02
571.0	572.0	5	0.40	0.13
572.0	572.5	4	0.60	0.54
572.5	573.0	5	0.80	0.27
573.0	574.0	5	0.10	0.03
574.0	583.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JK~~ JS 69

OFFICIAL FILE COPY

FINAL DISTRIBUTION MADE OCT 27 1958

124 New Customhouse
Denver 2, Colorado
October 23, 1958

10/29	C	220
"	Kg	110
10/30	Chilg	700

Memorandum

To: T. A. Christensen

From: Acting Executive Officer, DME Field Team, Region III

Subject: Docket No. DMEA 4826 (Uranium) Contract IDa-EA181, New Idria Mining and Chemical Company, (Hubbard Homestead, Peak Nat, etal. claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of September, 1958

Enclosed are the original and four copies each of Forms NF-104 and NF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

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. Payment is recommended for 75 percent of the amount reported on Form NF-104 for September, 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

The Operator has submitted separate Forms NF-104 and NF-104A, for each stage of work. The total amount reported for the period is as follows:

Reconciliation With Amount Reported by the Operator on Form WF-104 for September, 1958

Amount reported, Stage I	$ 3,129.90
Amount reported, Stage II	8,050.90
Total acceptable cost for September, 1958	$11,180.80
Government participation at 75 percent	$ 8,385.61

Remarks:

Date of Report	October 14, 1958
Date Received in Field Office	October 20, 1958
Date Received in Region Office	October 22, 1958

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures

EHH:hmh

cc: Chkn. Op. Comm. (2)
Robertson, GMK/GJ
WF-104 file, Reg.III
Harshman)
Hasler) w/copy of Engr's Report
GMK/NPC)
Cheron

OME
DEPARTMENT OF THE INTERIOR
OCT 22 1958
REC
DENVER, COLOR.

P. O. Box 360
Grand Junction, Colorado

October 21, 1958

Memorandum

To: Acting Executive Officer, OME Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4826 (Uranium), Contract No. IAm-X 1181, New Idria Mining and Chemical Company (Robert Hunsteck, Frank Rat, et al., claims), Mesa County, Colorado. Progress report for September 1958

The project remained on active status during the month with work continuing on Stage I and Stage II drilling. An inspection was made on October 8, 1958, by H. F. Robertson and J. V. Hanler, accompanied by George Hamlett, the operator's geologist.

The operator's claim (received at Grand Junction on October 20, 1958) covers the costs incurred in the completion of a total of 3,360 feet of aquamore drilling and 730 feet of core drilling in 2 Stage I holes and 9 Stage II holes as follows:

Stage I

Actual Cost Items

Independent Contracts		
Rotarcore drilling		
0-300 feet,	600 feet at $2.00/ft.	$ 1,200.00
300-600 feet,	470 feet at $2.10/ft.	987.00
Core drilling		
400-600 feet,	121 feet at $4.90/ft.	592.90
600-800 feet,	9 feet at $5.00/ft.	45.00
Standby time,	2 hours at $12.00/hr.	24.00
Miscellaneous items		
Chemical analyses,	4 samples at $5.00/spl.	20.00
Fixed Unit Cost Items		
Incidental allowance,	1,200 feet at $0.21/ft.	252.00
Total Stage I costs in September 1958		$ 3,120.90

Stage II

Actual Cost Items

Independent Contracts		
Rotary drilling		
0-300 feet,	2,340 feet at $2.00/ft.	$ 4,680.00
300-400 feet,	30 feet at $2.10/ft.	63.00
Core drilling		
0-400 feet,	640 feet at $4.30/ft.	2,752.00
Standby time,	9 hours at $12.00/hr.	108.00
Miscellaneous items		
Chemical analyses,	13 samples at $5.00/spl.	65.00

Fixed Unit Cost Items

Residential allowance,	2,890 feet at $0.21/ft.	606.90
	Total Stage II costs in September 1958	$ 8,070.90
	Total amount claimed, September 1958	$11,120.80

The claim for the cost of drilling during the month is supported by an invoice from Robert J. Delgado, drilling contractor. Chemical assay certificates and invoices were included to verify the claim for the 13 chemical analyses.

The holes completed during September 1958 are located as shown on the map accompanying the operator's claim. A check of the core indicates that the drilling was done in conformance with contract specifications as to core size, sample interval, and penetration of the underlying rock unitons. Of the 11 holes completed during the month, JB-11 penetrated a significant amount of ore-grade material; JB-43 and JB-48 (both on Y48, contact); JB-47, JB-50, and JB-53 were strongly mineralized; JB-46 and JB-49 were weakly mineralized; and JB-15, JB-51, and JB-52 were barren (table 1).

The first stage of the subject project is now completed. As of the date of this report, 9 of the 32 authorized second stage holes remain to be drilled and are all located on the western portion of the Bateman Homestead requiring deeper drilling to explore the target horizon.

The operator submitted in quintuplicate a signed narrative report with map, NF-104 (Stage I), NF-104 (Stage II), NF-104A (Stage I), NF-104A (Stage II), geologic logs, and radiometric probing results. One copy each of assay certificates (4) and invoices for drilling and chemical analysis accompanied the claim. The work was performed and claims made in conformance with contract specifications. The monthly and cumulative totals are correct on the NF-104 forms for the present stage. The first stage totals do not reflect the $80.00 disallowed for exceeding the building time allowed for Stage I.

The inspecting engineer recommends payment of the September claim as follows:

Stage I - 75 percent of $ 3,129.90	$ 2,347.43
Stage II- 75 percent of $8,050.90	6,038.18
total payment	$ 8,385.61

H. F. Robertson

H. F. Robertson
Mining Engineer

Table 1.--Summary of drilling results - September 1958.

INDA Mine Contract IDa-8 1181

Hole No.	Core	Remnant	Total	Mineralization: Molybdenite Interval	Molybdenite % MoS_2	Molybdenite Interval	Molybdenite % MoS_2	Molybdenite % WO_3
DD-11	54	555	609	580.0-582.0	0.02	580.8-580.8	0.00	0.02
				582.0-583.0	0.03	580.8-581.4	8.86	15.47
				583.0-585.0	0.03	581.4-582.1	0.03	0.02
DD-15	76	315	391	Barren		561.5-562.0	0.00	0.01
DD-43	57	330	387	Barren		353.3-354.1	0.02	1.52
DD-46	67	300	367	Barren		338.7-339.4	0.02	0.18
DD-47	60	290	350	304.0-305.0	0.02	304.5-304.7	0.30	0.38
				305.0-305.5	0.13			
				305.5-306.0	0.31			
				306.0-306.5	0.18			
				306.5-307.0	0.06			
DD-48	54	260	314	Trace		292.5-292.9	0.02	1.27
DD-49	49	285	334	Barren		308.6-308.7	0.07	0.07
						319.8-320.8	0.01	0.03
DD-50	60	300	360	306.5-307.0	0.02	304.3-304.4	0.37	0.10
				307.0-307.5	0.15	307.0-308.0	0.09	0.66
				307.5-308.0	0.21	308.0-330.2	0.07	0.18
				308.0-308.5	0.07			
DD-51	98	235	333	Barren		--	--	--
DD-52	79	195	274	Barren		--	--	--
DD-53	96	175	271	801.0-802.0	0.02	802.8-803.0	0.03	0.35
				802.0-803.0	0.03	803.0-803.3	0.30	9.01
				803.0-804.0	0.02	817.8-817.9	0.03	0.38
						817.9-819.5	0.11	0.02
Totals	730	3,340	4,090					

Form DMF-104 (Rev. April 1952)

RECEIVED OCT 29 1958 DMEA

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, 1958 Docket No. DMEA 4826 Contract No. Idm E-1181

Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium

Address Post Office Box 311, Grand Junction, Colorado

Contract Amount, $ 102,620.00 Government Participation: 75% Amount, $ 76,969.00

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 Contractors:		STAGE I.				
Drilling Non-core	1,200.00	20,310.00	21,510.00			
[redacted] " "	987.00	7,146.50	8,133.50			
[redacted] "		6,446.00	6,446.00			
[redacted] "	592.90	5,448.80	6,041.70			
" "	54.00	756.00	810.00			
[redacted]						
[redacted] Bulldozing		1,140.00	1,140.00			
[redacted] Standby Time	24.00	456.00	480.00			
Incide[redacted] Allow.	252.00	3,414.81	3,666.81			
(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	20.00	395.00	415.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage II Insight Farmard						
TOTALS	3,139.90	45,512.91	48,642.81	1,180.80	49,241.90	60,422.70
				D 180.00	D 180.00	
						60,242.70

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

Date Oct. 14/58 *Payee New Idria Mining & Chemical Co. Agent

Per Wesley Shadduck Title Assistant Treasurer

*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.

D Currently disallowed

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: 49,061.90 $385.59 60,242.70

Signature (Authorized Certifying Officer)

Date 10/24/58 Voucher No. DMEA 59-55

(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. Idn-E118.1 in accordance with the terms of the contract.

Signature H. F. Robertson $2,347.43 Title Mining Engr. Date 10/21/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Acting Executive Officer Date OCT 23 1958

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 September 1958 Docket No. DMEA 4826 Contract No. Idm 5-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address P.O. Box 311, Grand Junction, Colorado

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
Drifting				STAGE I				
Crosscutting								
Raising								
Drilling Core	Foot			6,446.00	1,465	4.40	1,515	4.40
Winzes " "	"	592.90	121	6,041.70	1,253	4.90	1,280	4.90
Drilling: " "	"	54.00	9	810.00	135	6.00	205	6.00
Ben "	"	1,200.00	600	21,510.00	10,755	2.00	11,175	2.00
" " "	"	907.00	470	6,133.30	3,073	2.10	4,145	2.10
Bulldozing	Hour			1,140.00	95	12.00	80	12.00
Standby Time	"	24.00	2	480.00	40	12.00	40	12.00
Analysis	Each	20.00	4	415.00	83	5.00	100	5.00
Roads and Trails								
Incidental Allowance	Foot	352.00	1,200	3,666.81	17,461	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		3,129.90		48,642.81				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,129.90		48,642.81				

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.

REMARKS: H.F.R.

Date Oct. 14/58 Operator New Idria Mining & Chemical Co. Agent

Per [signature] Title Assistant Treasurer

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)

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

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, 1950 Docket No. DMEA 4926 Contract No. Idm E-1101
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 511, Grand Junction, Colorado
Contract Amount, $ 102,000.00 Government Participation: 75 % Amount, $ 76,005.00

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 Contracts:			STAGE II			
Drilling Non-Core	4,680.00	1,800.00	6,380.00			
[redacted] " "	63.00	231.00	294.00			
[redacted] Core	2,728.00	765.60	3,493.60			
[redacted] "		122.50	122.50			
[redacted]						
[redacted] Standby Time	108.00	36.00	144.00			
[redacted] Bulldozing		485.00	485.00			
Incidental [redacted] Allow	606.90	253.89	860.79			
(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	65.00	35.00	100.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	8,050.90	3,728.99	11,779.89			

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

Date Sept. 14/50 *Payee New Idria Mining & Chemical Co. Agent

Per Wesley Shadduck Title Assistant Treasurer

*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:

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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-E1181 in accordance with the terms of the contract.

Signature H. F. Roberson #6038.18 Title Mining Engr. Date 10/21/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Acting Executive Officer Date OCT 23 1958

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.

F-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 September 1950 Docket No. DMEA 4026 Contract No. Ida 2-1101
Operator's Name New Idria Mining and Chemical Company Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado

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
Drifting				[illegible] II				
Crosscutting								
[illegible]								
[illegible] Drilling NonCore	Foot	4,480.00	2,240	6,280.00	3,140	2.00	11,179	2.00
[illegible] " NonCore	"	63.00	30	294.00	140	2.10	4,145	2.10
Drilling: [illegible] Core	"	2,728.00	620	3,493.60	794	4.40	1,515	4.40
[illegible] "	"			122.50	25	4.90	1,280	4.90
[illegible] "	"						209	6.00
[illegible] Standby Time	Hour	108.00	9	144.00	12	12.00	40	12.00
[illegible] Bulldozing	"			456.00	41	11.83	80	12.00
[illegible] Analysis	Each	65.00	13	100.00	20	5.00	100	5.00
[illegible]								
Incidental Allowance	Foot	606.90	2,890	860.79	4,099	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		8,050.90		11,779.99				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		8,050.90		11,779.99				

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: N.J.R.

Date Oct. 16/50 Operator New Idria Mining & Chemical Co.
Agent

Per Wesley Shadduck Title Assistant Treasurer

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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

October 9, 1958

Mr. E. N. Harshman
Acting Executive Officer
OME Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for September, 1958

Dear Mr. Harshman:

Drilling on Stage I and Stage II of the above numbered contract was continued during the month of September, 1958, and Stage I drilling was completed. Eleven holes were completed (completing Stage I and completing 12 holes of Stage II) with a total of 4,090 feet of drilling of which 3,340 feet was non-core drilling and 750 feet was core drilling.

Prior to September, 1958, 17 holes had been approved for Stage II drilling by your office and, with the completion of Stage I during the month, a proposal for additional Stage II drilling was submitted and an additional 12 Stage II holes were approved during the month for a total Stage II drilling of 29 holes.

The two Stage I holes were drilled on the Hubbard Homestead collaring on the Dakota Formation and the Stage II holes were drilled on the lower bench.

Hole JS-11 (Stage I) was an ore hole, holes JS-47, JS-50 and JS-53 were half ore holes, holes JS-43 and JS-48 were strongly mineralized, holes JS-46 and JS-49 were weakly mineralized and holes JS-15 (Stage I), JS-51 and JS-52 were barren holes.

Drilling for the month was normal for the area and water was encountered in the holes with the exception of a few of the Stage II holes near the rim which were dry holes.

No dozer work was done during the month, however, preparation of the sites for the additional 12 Stage II holes will be commenced the first part of October.

Continued - Letter to Mr. E. N. Harshman re monthly report on drilling for September, 1958, Docket DMEA-4826 (Uranium), Contract No. Idm-E1181, Hubbard Homestead, Pack Rat, et al., Claims, Mesa County, Colorado.

The following table gives the pertinent data on the eleven holes drilled during the month of September, 1958.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-11	9-4	9-9	555	54	609	0.6	0.00	0.02	Favorable
						0.6	8.88	15.27	
						0.7	0.03	0.62	
JS-15	9-2	9-4	515	76	591	0.4	None	0.01	Favorable
JS-43	9-30	9-30	330	57	387	0.8	0.02	1.52	Favorable
JS-46	9-29	9-29	300	67	367	0.7	0.02	0.48	Favorable
JS-47	9-18	9-19	290	60	350	0.2	0.30	0.32	Favorable
JS-48	9-16	9-17	260	54	314	0.4	0.02	1.27	Favorable
JS-49	9-22	9-24	285	49	334	0.1	0.07	0.07	Favorable
						1.6	0.01	0.03	
JS-50	9-24	9-26	300	60	360	0.1	0.97	0.10	Favorable
						1.0	0.09	0.66	
						2.2	0.07	0.28	
JS-51	9-9	9-10	135	98	233		Barren		Favorable
JS-52	9-10	9-11	195	79	274		Barren		Favorable
JS-53	9-12	9-15	175	96	271	0.8	0.03	0.35	Favorable
						0.3	0.30	9.61	
						0.7	0.03	0.38	
						1.6	0.11	0.62	
Totals			3340	750	4090				

Very truly yours,

NEW IDRIA MINING & CHEMICAL COMPANY

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket DMEA 4826
Contract No. Idm-E1181
Hubbard, Pack Rat, et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS-11	30.0	3.7		5.6	9.3	A	4	7	4	15	Favorable
JS-15	65.2		3.0	0.7	3.7	M	7	6	3	16	Favorable
JS-43	43.3			5.0	5.0	S	7	7	2	16	Favorable
JS-46	45.9	0.8	0.3	4.0	5.1	S	7	7	2	16	Favorable
JS-47	47.8	2.2		2.6	4.8	M	7	7	3	17	Favorable
JS-48	45.6		0.4	4.2	4.6	M	7	7	3	17	Favorable
JS-49	42.9			2.6	2.6	A	7	6	4	17	Favorable
JS-50	46.4			1.2	1.2	S	7	5	2	14	Favorable
JS-51	81.5	1.8	1.0	0.2	3.0	S	7	6	2	15	Favorable
JS-52	75.3		0.4	2.5	2.9	A	7	6	4	17	Favorable
JS-53	81.5	0.7	4.6	1.9	7.2	A	7	7	4	18	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

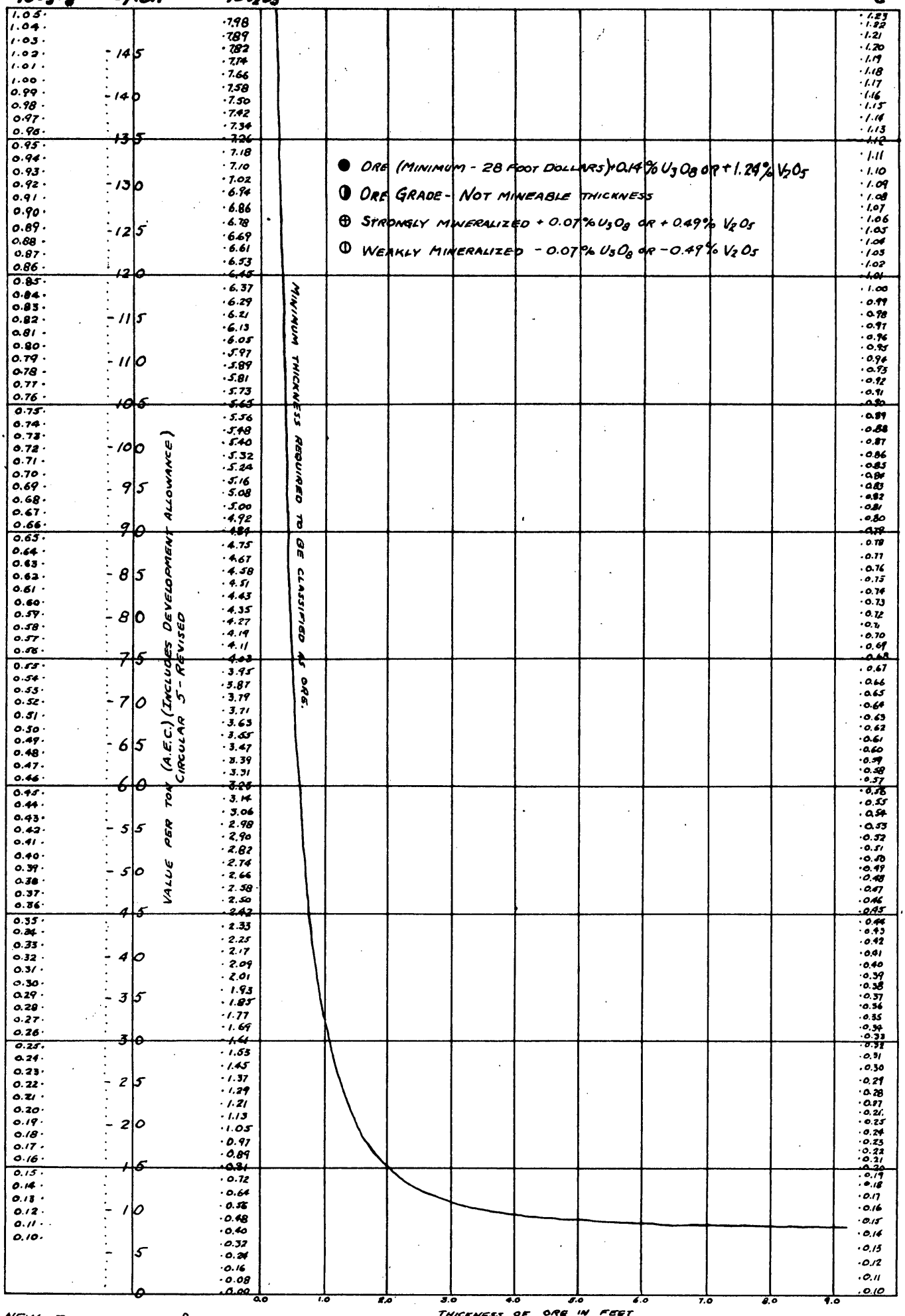
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL CO.
URANIUM DIVISION

8-20-57

FROM A.W.G.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead,
Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 11
Total depth: 609.0
Collar elev.: 7416.7T

COORDINATES
North:
East:

Claim: Hubbard Homestead
Date started: Sept. 4, 1958
Date completed: Sept. 9, 1958

Summary of log: Favorable; OBSS: 570.1-600.1; Thick: 30.0; SS Color: Wh/Gy; MS: Under OBSS 5.6 Gn; Cbn: A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	555.0						Plug	
555.0	566.4	11.4	MS	R/Gn		N	Mot.; S itbd. Wh. Qtzc. SS	
566.4	570.1	3.7	MS	Gn		N		
570.1	576.2	6.1	SS	Wh	F-M	N	A Alt. Vol.; M int. Gn. MS; S Gn. MS incls.; Jointed at base; Massive	
576.2	578.3	2.1					Lost	
578.3	580.2	1.9	SS	Wh	F-M	S	A Alt. Vol.; S int. Gn. MS; Mass.	
580.2	580.8	0.6	SS	LGy	F-M	N	A Alt. Vol.; S int. Gn. MS; Mass.	88
580.8	581.4	0.6	Coal ?	Bk	Amorph	?	S Pyrite & Clausthalite incls.; S F SS Blebs.; Conchoidal Frac.; Metallic luster; Coal-like appearance	89
581.4	582.1	0.7	SS	LGy	F-M	S	A Alt. Vol.; Mass.	90
582.1	585.4	3.3	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS incls.; Massive	
585.4	588.3	2.9	SS	Wh/LGy	F-M	A	A Alt. Vol.; S Gn. MS Fms.; Lam.; X-bedded	
588.3	595.5	7.2	SS	Wh/LGy	M-F	N	A Alt. Vol.; A Gn. MS incls.; Massive	
595.5	600.1	4.6	SS	Wh/LGy	F-M	S	A Alt. Vol.; S int. Gn. MS; Semi Qtzc.; Massive	
600.1	605.7	5.6	MS	Gn		N	A itbd. Wh. Qtzc. SS	
605.7	609.0	3.3	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
88	580.2	580.8	0.6	0.00	0.02	
89	580.8	581.4	0.6	8.88	15.27	
90	581.4	582.1	0.7	0.03	0.62	

Abbreviations

Wh—White
Br—brown
R—red
Gy—gray
Bl—blue
Gn—green
Yw—yellow
Bk—black
Pp—purple
Cbn—carbon
OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded
CG—conglomerate
SS—sandstone
MS—mudstone
ST—siltstone
F—fine
M—medium
C—coarse
N—none
S—sparse
A—abundant
CH—chert
Lim—limonite
Qtz—quartzite
Fk—flakes
Sm—seams
P—pebbles
L—light
D—dark
Ls—limestone
Mot—mottled

Hole No. ~~JK~~ JS11

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~[illegible]~~ 4826
Contract Idm E-~~[illegible]~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 15
Total depth 591.0
Collar elev. 7375.5T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Sept. 2, 1958
Date completed Sept. 4, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Favorable	515.0-580.2	65.2	Wh/Gy/Gn	Under OBSS 0.7 Gn	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	515.0						Plug	
515.0	520.2	5.2	SS	Wh/LGn	F-M	N	A Alt. Vol.; M int. Gn. MS	
520.2	526.0	5.8	SS	Wh/LGy	F	N	M Alt. Vol.; S int. Gn. MS	
526.0	554.5	28.5	SS	Wh/LGy	F-M	M	A Alt. Vol.; Cbn. fks. & fms.; S Gn. MS fms. & incls.; Lam.; Vert. jointing	
554.5	557.5	3.0	MS/ST	Gn		N		
557.5	560.0	2.5	SS	LGy	VF-F	N	Qtzc.; Partly Lam.	
560.0	561.6	1.6	SS	LGy/Gn	VF-F	N		
561.6	562.0	0.4	MS	Bk		?		87
562.0	564.4	2.4	SS	LGy	VF-F	N	A int. Gn. MS	
564.4	565.0	0.6	SS	Wh	M	N		
565.0	565.6	0.6	SS	LGn	VF-F	N	Lam.; Contorted	
565.6	578.4	12.8	SS	Wh/LGy	F-M	S	A Alt. Vol.; S int. Gn. MS; M Gn. MS fms.; Lam.; X-bedded	
578.4	580.2	1.8	SS	Wh	M	N	A Alt. Vol.; A Gn. MS incls.; S Ls. & Bentonite incls.; C Gns.	
580.2	580.9	0.7	MS	Gn		N		
580.9	591.0	10.1	MS/ST	R		N	S itbd. Gy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
87	561.6	562.0	0.4	None	0.01	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS15

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXX~~ 4826
Contract Idm E-1~~824~~ 1181
Beaver Mesa ~~Johnson Mine Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ XX JS 43
Total depth 387.0
Collar elev. 7164.1T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Sept. 30, 1958
Date completed Sept. 30, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	330.0-373.3	43.3 +	Wh/Gy	Under OBSS 5.0 Gn	S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	330.0						Plug	
330.0	344.4	14.4	SS	Wh/LGy	F-M	N	A Alt. Vol.; A int. Gn. MS & Gn. MS fms.; Partly Lam.; Massive	
344.4	353.3	8.9	SS	LGy	F-M	S	A Alt. Vol.; A Gn. MS fms.; Lam. X-bedded	
353.3	354.1	0.8	SS	Gy/Gn	F-M	N	A Alt. Vol.; Lam.; Bk. MS seam at bottom	103
354.1	373.3	19.2	SS	LGy/Wh	F-M	S	A Alt. Vol.; A Gn. MS fms. & incls.; Lam.; X-bedded	
373.3	378.3	5.0	MS/ST	Gn		N		
378.3	387.0	8.7	MS	R		N	A itbd. Gy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
103	353.3	354.1	0.8	0.02	1.52	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JK~~ JS43

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA 4~~490~~ 4826
Contract Idm E-1~~173~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 46
Total depth 367.0
Collar elev. 7153.2T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Sept. 29, 1958
Date completed Sept. 29, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Favorable	309.7-355.6	45.9	Wh/Gy	Under OBSS 4.0 Gn.	S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	300.0						Plug	
300.0	308.9	8.9	SS	R	F	N	M itbd. R MS	
308.9	309.7	0.8	MS	Gn		M	Sandy; Pet. Res.?	
309.7	326.9	17.2	SS	Wh	F-M	N	A Alt. Vol.; M int. Gn. MS;	
							Massive	
326.9	327.2	0.3	ST	Gn		N		
327.2	338.7	11.5	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS fms. & incls.	
							Partly x-bedded	
338.7	339.4	0.7	SS	Gy	F-M	N	A Alt. Vol.; Massive.; Friable	102
339.4	344.0	4.6	SS	Wh/LGy	F-M	N	A Alt. Vol. ; Lam.	
344.0	355.6	11.6	SS	Wh/LGy	F-M	S	A Alt. Vol.; S int. Gn. MS;	
							Massive	
355.6	359.6	4.0	MS	Gn		N		
359.6	367.0	7.4	MS	R		N	A itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
102	338.7	339.4	0.7	0.02	0.48	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JK~~ JS46

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4XX~~ 4826
Contract Idm E-~~10XX~~ 1181
Beaver Mesa ~~Johnson Mac Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 47
Total depth 350.0
Collar elev. 7184.9T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Sept. 18, 1958
Date completed Sept. 19, 1958

Summary of log: Favorable; OBSS: 293.0- 340.8; Thick: 47.8; SS Color: Wh/Br; MS: Under OBSS 2.6 Gn; Cbn: M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	290.0						Plug	
290.0	290.8	0.8	MS	R/Gn		N	Mot.; Calc.	
290.8	293.0	2.2	MS	Gn		N		
293.0	294.7	1.7	SS	Gn	F-M	N	A int. Gn. MS	
294.7	307.5	12.8	SS	Wh/LBr	F-M	N	M Alt. Vol.; M Lim. spks.; Mass.	
307.5	317.9	10.4	SS	Wh/LBr	M	N	A Alt. Vol.; S Gn. MS incls.;	
							Massive	
317.9	324.5	6.6	SS	Wh/LBr	F-M	S	A Alt. Vol.; S Gn. MS fms.; Lam.	
324.5	324.7	0.2	SS	Bk	F	A	Fossil wood; coaly	96
324.7	328.7	4.0	SS	Wh	F-M	N	50% itbd. Gn. MS	
328.7	340.8	12.1	SS	LBr	M	N	A Alt. Vol.; A Lim. spks.; S Gn.	
							MS fms. & incls.; Massive	
340.8	343.4	2.6	MS	Gn		N		
343.4	350.0	6.6	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
96	324.5	324.7	0.2	0.30	0.32	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS47

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~[illegible]~~ 4826
Contract Idm E-~~[illegible]~~ 1181
Beaver Mesa ~~[illegible]~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 48
Total depth 314.0
Collar elev. 7097.5T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Sept. 16, 1958
Date completed Sept. 17, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn
Favorable; 260.0-305.6; 45.6 +; Br/Wh; Under OBSS 4.2 Gn; M

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	260.0						Plug	
260.0	271.3	10.3	SS	LBr	F-M	N	M Alt. Vol.; A Lim. spks.; A int. Gn. MS at top	
271.3	285.3	14.0	SS	LBr	M	S	A Alt. Vol.; S Gn. MS fms. & incls.; A Lim. spks.	
285.3	292.0	6.7	SS	LBr	F-M	S	A Alt. Vol.; S Gn. MS fms.	
292.0	292.5	0.5	SS	LGy	M	N	A Alt. Vol.	
292.5	292.9	0.4	MS	Gn		N	Sandy	95
292.9	293.5	0.6	SS	Wh	M-C	M	A Alt. Vol.; M Gn. MS incls.; Semi-Qtzc.	
293.5	305.6	12.1	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS fms. & incls. Massive	
305.6	309.8	4.2	MS	Gn		N		
309.8	314.0	4.2	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
95	292.5	292.9	0.4	0.02	1.27	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS48

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~XXX~~ 1181
Beaver Mesa ~~Johnnie Max Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 49
Total depth 334.0
Collar elev. 7123.3T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Sept. 22, 1958
Date completed Sept. 24, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Favorable	285.6-328.5	42.9	Wh/Br/Gy	Under OBSS 2.6 Gn	A

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	285.0						Plug	
285.0	285.6	0.6	MS	R/Gn		N	Itbd.	
285.6	301.7	16.1	SS	Wh/LBr	F-M	N	A Alt. Vol.; M Lim. spks.; S Gn. MS incls.	
301.7	302.6	0.9	SS	Wh	M	N	A Alt. Vol.; A Gn. MS fms.	
302.6	302.7	0.1	MS	DGn		N	Sandy	100
302.7	314.0	11.3	SS	Wh	M-F	S	A Alt. Vol.; A Gn. MS fms. & incls.; Lam.; X-bedded	
314.0	319.2	5.2	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS incls.; Massive	
319.2	320.8	1.6	SS	Gy	F-M	A	A Alt. Vol.; A Gn.-Bk. MS incls. at top; Fossil wood	101
320.8	328.5	7.7	SS	Wh/LGy	F-M	S	A Alt. Vol.; S Gn. MS fms.; Partly x-bedded; Friable	
328.5	331.1	2.6	MS	Gn		N		
331.1	334.0	2.9	MS	R		N		

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
100	302.6	302.7	0.1	0.07	0.07	
101	319.2	320.8	1.6	0.01	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~494~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnny Mac Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 50
Total depth 360.0
Collar elev. 7141.0T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Sept. 24, 1958
Date completed Sept. 26, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn
Favorable; 308.0-354.4; 46.4; Br/Wh/Gy; Under OBSS 1.2 Gn; S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	300.0						Plug	
300.0	302.3	2.3	MS	R		N		
302.3	308.0	5.7	SS	Gn	F	N	A int. Gn. MS	
308.0	324.3	16.3	SS	LBr	F-M	S	A Alt. Vol.; M Lim. spks.; S Gn. MS incls.	
324.3	324.4	0.1	SS	DGy	F-M	?	A Alt. Vol.; A pyrite	97
324.4	327.0	2.6	SS	Wh/LGy	F	N	A Alt. Vol.; M Gn. MS fms.; Lam. Semi-Qtzc. at base	
327.0	328.0	1.0	SS	DGy/Bk	F	?	M Alt. Vol.; Partly speckled	98
328.0	330.2	2.2	SS	Gy/LGy	F	N	M Alt. Vol.; S U spks.	99
330.2	345.7	15.5	SS	Wh/LGy	F-M	S	A Alt. Vol.; A Gn. MS incls. 334.0-335.5; M Gn. MS fms.; Partly Lam.	
345.7	354.4	8.7	SS	Wh/LGy	VF-F	S	A Alt. Vol.; A int. Gn. MS; Lam. X-bedded; Lower portion Semi-Qtzc.	
354.4	355.6	1.2	MS	Gn		N		
355.6	360.0	4.4	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
97	324.3	324.4	0.1	0.97	0.10	
98	327.0	328.0	1.0	0.09	0.66	
99	328.0	330.2	2.2	0.07	0.28	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~4414~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~[illegible]~~

Drill-hole No. ~~JR~~ XX JS 51
Total depth: 233.0
Collar elev: 6978.5T

COORDINATES
North
East

Claim: Pack Rat No. 1
Date started: Sept. 9, 1958
Date completed: Sept. 10, 1958

Summary of log: Favorable; OBSS: 149.3-230.8; Thick: 81.5; SS Color: Br/Wh; MS: Under OBSS 0.2 Gn; Cbn: S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	135.0						Plug	
135.0	147.5	12.5	MS	R/Gn		N	Mot.	
147.5	149.3	1.8	MS	Gn		N		
149.3	157.0	7.7	SS	Wh	F	N	M Alt. Vol.; S int. Gn. MS; Mass.	
157.0	166.0	9.0	SS	LBr	F-M	S	M Alt. Vol.; M Lim. spks.	
166.0	176.2	10.2	SS	LBr	M	N	A Alt. Vol.; A Lim. spks.; S Gn.	
							MS incls.; Massive	
176.2	187.4	11.2	SS	Wh/LBr	F-M	N	A Alt. Vol.; S Lim. spks.; M Gn.	
							MS incls.; Massive	
187.4	195.0	7.6	SS	LBr	F	S	M Alt. Vol.; M Lim. spks.; S Gn.	
							MS incls.; Massive	
195.0	212.5	17.5	SS	Wh/LBr	F-M	N	A Alt. Vol.; S Lim. spks.; S Gn.	
							MS incls.; Massive	
212.5	217.0	4.5	SS	Wh/LBr	F-M	N	A Alt. Vol.; S Lim spks.; S Gn.	
							MS fms.; Lam.; X-bedded; A Gn.	
							MS incls. at base	
217.0	218.0	1.0	MS	Gn		N		
218.0	229.6	11.6	SS	Br	M	S	A Alt. Vol.; A Lim. spks.; S Gn.	
							MS incls.; Massive; Friable	
229.6	230.8	1.2	SS	Wh	F-M	N	M Alt. Vol.; S Gn. MS incls.;	
							Massive; Semi-Qtzc.	
230.8	231.0	0.2	MS	Gn		N		
231.0	233.0	2.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
		Barren				

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ XX JS51

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~494~~ 4826
Contract Idm E-~~107X~~ 1181
Beaver Mesa ~~[illegible]~~

Type of Drill Rotary

Drill-hole No. ~~JX~~ JS 52
Total depth 274.0
Collar elev. 7036.5T

COORDINATES
North
East

Claim Pack Rat No. 1
Date started Sept. 10, 1958
Date completed Sept. 11, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	195.0-270.3	75.3	Br/Wh	Under OBSS 2.5 Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	195.0						Plug	
195.0	216.5	21.5	SS	LBr/Wh	F-M	S	A Alt. Vol.; S Gn. MS incls.; M Lim. spks.; Mass.	
216.5	221.1	4.6	SS	LBr	F-M	S	A Alt. Vol.; M Lim. spks.; M Gn. MS fms.; Incls.; Lam.	
221.1	221.3	0.2	MS	Gn		N		
221.3	221.4	0.1	SS	LBr	F-M	N	A Alt. Vol.; M Lim. spks.	
221.4	224.6	3.2	SS	LBr	F	N	M Alt. Vol.; S Lim. spks.; S Gn. MS; Lam.	
224.6	227.6	3.0	SS	LBr	F-M	N	M Alt. Vol.; M Gn. MS fms.; Incls.	
227.6	234.6	7.0	SS	LBr	F	N	M Alt. Vol.; S Gn. MS fms.; Partly lam.; Mass.	
234.6	234.8	0.2	MS	Gn		N	Sandy	
234.8	239.0	4.2	SS	Wh	VF-F	S	S Alt. Vol.; M Gn. MS fms.; Lam. and contorted	
239.0	245.0	6.0	SS	Wh	F	N	M Alt. Vol.; S Gn. MS incls.; Mass.	
245.0	251.6	6.6	SS	Wh	F-VF	A	M Alt. Vol.; A Gn. MS ints. & fms.; S itbd. LGy. M SS; Lam.; Contorted	
251.6	258.4	6.8	SS	Wh/LGy	F-M	S	A Alt. Vol.; M Gn. MS fms.; Lam.	
258.4	270.3	11.9	SS	Wh/LBr	F-M	N	A Alt. Vol.; S Lim. spks.; Mass.; Semi-qtzc. bottom	
270.3	272.8	2.5	MS	Gn		N	A itbd. Wh. Qtzc.	
272.8	274.0	1.2	MS	R		N		

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
		Barren				

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JX~~ JS52

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4404~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 53
Total depth 271.0
Collar elev. 7019.0T

COORDINATES
North
East

Claim Pack Rat No 1
Date started Sept. 12, 1958
Date completed Sept. 15, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn
Favorable; 181.9-263.4; 81.5; Wh/Gy/Br; Under OBSS 1.9 Gn; A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	175.0						Plug	
175.0	181.2	6.2	MS	R/Gn		N	Mot.; S itbd. Wh. Qtzc. SS; S Mn. S Ls. at top	
181.2	181.9	0.7	MS	Gn		N		
181.9	183.0	1.1	SS	Gn	F	N	A int. Gn. MS	
183.0	193.3	10.3	SS	Wh	M-F	N	A Alt. Vol.; S Lim. spks.	
193.3	193.9	0.6	MS/ST	Gn		N		
193.9	201.5	7.6	SS	Wh	F-M	N	A Alt. Vol.; 0.2 Gn. MS @ 198.6; Massive	
201.5	202.2	0.7	SS	LBr	F	A	A Alt. Vol.; Cbn. fms. & fks.; Lam.; X-bedded	
202.2	203.0	0.8	SS	LBr	F	A	S Alt. Vol.; Cbn. Fks. & fms.; Lam.; X-bed.; S U (carnotite) in vert. joints	91
203.0	203.3	0.3	SS	Bk	F	?	Silty	92
203.3	204.1	0.8	SS	Wh	F	A	A Alt. Vol.; Lam.	
204.1	217.2	13.1	SS	Wh	F-M	N	A Alt. Vol.; M Lim. spks.; Mass.	
217.2	217.9	0.7	SS	Gy	F-M	S	A Alt. Vol.; A Gn. MS fms.; Lam.	93
217.9	219.5	1.6	SS	Gy	F-M	S	A Alt. Vol.; S Gn. MS fms.; Semi friable & intermittant qtzc.; Speckled; Bk. U partly oxidized	94
219.5	226.6	7.1	SS	Wh/LGy	M-F	N	A Alt. Vol.; S Gn. MS incls.; Mass.	
226.6	233.4	6.8	SS	Wh/LBr	F-M	S	M Alt. Vol.; M Lim. spks.; S Gn. MS incls.; Massive	
233.4	237.4	4.0	MS/ST	Gn		S	Sandy; Partly contorted	
237.4	241.0	3.6	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS fms.; Lam. X-bed.; Semi Qtzc.	
241.0	245.2	4.2	SS	LGy	VF-F	M	A int. Gn. MS; X-bed.; Contorted	
245.2	259.5	14.3	SS	LGy/Wh	F-M	S	A Alt. Vol.; M Gn. MS fms.; Part. Lam.; S itbd. VF Contorted SS	
259.5	263.4	3.9	SS	LBr	F-M	N	A Alt. Vol.; S Gn. MS fms. Wh base	
263.4	265.3	1.9	MS/ST	Gn		N	A itbd. LGy. Qtzc. SS	
265.3	271.0	5.7	MS	R/Gn		N	Mot.; itbd.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
91	202.2	203.0	0.8	0.03	0.35	
92	203.0	203.3	0.3	0.30	9.61	
93	217.2	217.9	0.7	0.03	0.38	
94	217.9	219.5	1.6	0.11	0.62	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~XX~~ JS 11

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed Sept. 12, 1958 Probed By JW

Plug Depth 555.0' Core Interval 54.0'

Total Depth 609.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 609.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	555.0	5	0.02	0.00
555.0	580.0	5	0.02	0.00
580.0	581.0	5	0.06	0.02
581.0	583.0	5	0.10	0.03
583.0	585.0	5	0.08	0.03
585.0	587.0	5	0.04	0.01
587.0	609.0	5	0.02	0.00

RESULTS

HOLE NO. ~~XX~~ JS 11

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 15

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed Sept. 5, 1958 Probed By GH

Plug Depth 515.0' Core Interval 76.0'

Total Depth 591.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 585.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	515.0	5	0.02	0.00
515.0	585.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JK~~ JS 15

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 43

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXXX~~ 4826

CONTRACT Idm E-~~XXXX~~ 1181

Date Probed Sept. 30, 1958 Probed By JW

Plug Depth 330.0' Core Interval 57.0'

Total Depth 387.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 387.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	330.0	5	0.02	0.00
330.0	387.0	5	0.02	0.00

RESULTS

Barren

HOLE NO. ~~JR~~ JS 43

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JR JS 46

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA XXX 4826
CONTRACT Idm E-XXX 1181

Date Probed Sept. 30, 1958 Probed By JW

Plug Depth 300.0' Core Interval 67.0'

Total Depth 367.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 367.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	300.0	5	0.02	0.00
300.0	367.0	5	0.02	0.00

RESULTS

Barren

HOLE NO. JR JS 46

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 47

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4XX~~ 4826

CONTRACT Idm E-~~1074~~ 1181

Date Probed Sept. 19, 1958 Probed By JW

Plug Depth 290.0' Core Interval 60.0'

Total Depth 350.0'

Type of Probe Unit Used Babbel Counter 870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 350.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
0.0	324.0	5	0.02	0.00
324.0	325.0	5	0.06	0.02
325.0	325.5	5	0.40	0.13
325.5	325.6	5	0.80	0.27
325.6	325.7	4	0.34	0.33
325.7	325.8	4	0.36	0.35
325.8	326.0	5	0.90	0.28
326.0	326.5	5	0.60	0.18
326.5	327.0	5	0.20	0.06
327.0	328.5	5	0.12	0.03
328.5	350.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 47

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 48

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4XX~~ 4826

CONTRACT Idm E-1~~974~~ 1181

Date Probed Sept. 18, 1958 Probed By JW

Plug Depth 260.0' Core Interval 54.0'

Total Depth 314.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 314.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	293.0	5	0.01	0.00
293.0	294.0	5	0.03	0.01
294.0	314.0	5	0.01	0.00

RESULTS

HOLE NO. ~~JR~~ JS 48

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 49

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed Sept. 25, 1958 Probed By JW

Plug Depth 285.0' Core Interval 49.0'

Total Depth 334.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 334.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0'	285.0	5	0.02	0.00
285.0	334.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 49

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 50

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed Sept. 26, 1958 Probed By JW

Plug Depth 300.0' Core Interval 60.0'

Total Depth 360.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 360.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	300.0	5	0.02	0.00
300.0	324.4	5	0.02	0.00
324.4	324.5	5	0.88	0.25
324.5	326.0	5	0.02	0.00
326.0	326.5	5	0.03	0.00
326.5	327.0	5	0.08	0.02
327.0	327.5	5	0.45	0.15
327.5	328.0	5	0.64	0.21
328.0	328.5	5	0.20	0.07
328.5	329.0	5	0.04	0.01
329.0	360.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 50

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 51

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~NO74~~ 1181

Date Probed Sept. 12, 1958 Probed By JW

Plug Depth 135.0' Core Interval 98.0'

Total Depth 233.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 233.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	135.0	5	0.02	0.00
135.0	233.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JX~~ JS 51

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 52

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXX~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed Sept. 13, 1958 Probed By JW

Plug Depth 195.0' Core Interval 79.0'

Total Depth 274.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 274.0'

DEPTH FROM'	TO '	SCALE	READING	GRADE ESTIMATE
0.0	195.0	5	0.01	0.00
195.0	274.0	5	0.01	0.00

RESULTS

Barren

HOLE NO. ~~JR~~ JS 52

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 53

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4004~~ 4826
CONTRACT Idm E-~~1004~~ 1181

Date Probed Sept. 16, 1958 Probed By JW

Plug Depth 175.0' Core Interval 96.0'

Total Depth 271.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 271.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	200.0	5	0.02	0.00
200.0	201.0	5	0.04	0.01
201.0	202.0	5	0.06	0.02
202.0	203.0	5	0.10	0.03
203.0	204.0	5	0.06	0.02
204.0	206.0	5	0.04	0.01
206.0	271.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 53

FINAL DISTRIBUTION

MADE OCT 14 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 16 1958

DATE		CODE
10/16	C	220
"		110
		700

724 New Customhouse
Denver 2, Colorado
October 10, 1958

Memorandum

To: T. A. Christensen

From: Acting Executive Officer, [illegible] Field Team, Region III

Subject: Docket No. [illegible] (Uranium) Contract [illegible], New Idria Mining and Chemical Company, (Edward Hunstead, Pack Ent, et al., claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of August, 1958

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.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

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. Payment is recommended for 75 percent of the amount reported on Form MF-104 for August, 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

The Operator has submitted separate Forms MF-104 and MF-104A, for each stage of work. The total amount reported for the period is as follows:

Reconciliation With Amount Reported by the Operator on Form MF-104 for August, 1958

Amount reported, Stage I----------$8318.75
Amount reported, Stage II---------- 3728.99
Total acceptable cost for August, 1958----------$12,047.74

Government participation at 75 percent----------$ 9,035.81

Remarks:

Date of Report----------September 14, 1958
Date Received in Field Office------September 29, 1958
Date Received in Region Office-----October 1, 1958

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures

JDC:hmh

cc: Chmn. Op. Comm. (2)
Robertson
MF-104 file, Reg. III
Harshman)
Hasler) w/copy of Engr's Report
CMR/RFC)
Chron

OME
DEPARTMENT OF THE I[illegible]IOR
OCT 1 - 1958
REGION
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

September 30, 1958

Memorandum

To: Acting Executive Officer, GSE Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4886 (Wyoming), Contract No. 14m-E 1181, New Idria Mining and Chemical Company (Hubbard Homestead, Buck Bar, et al. claims), Mesa County, Colorado. Progress report for August 1958

Work continued on Stage I and part of Stage II of the subject contract during the month of August 1958.

The operator's claim (received at Grand Junction on September 29, 1958) covers the costs incurred in the completion of a total of 3,510 feet of measure drilling and 694 feet of core drilling in 5 Stage I holes and 3 Stage II holes as follows:

Stage I

Actual Cost Items

Independent Contracts		
Measure drilling		
0-300 feet,	1,500 feet at $2.00/ft.	$ 3,000.00
300-600 feet,	1,000 feet at $2.10/ft.	2,100.00
Core drilling		
0-400 feet,	5 feet at $4.40/ft.	22.00
400-600 feet,	458 feet at $4.90/ft.	2,244.20
600-800 feet,	36 feet at $5.00/ft.	180.00
Standby time	5 hours at $12.00/hr.	60.00
Miscellaneous items		
Chemical analyses,	13 samples at $5.00/spl.	65.00

Fixed Unit Cost Items

Incidental allowance,	2,995 feet at $0.21/ft.	628.95
Total Stage I costs in August 1958		$ 8,320.75

Stage II

Actual Cost Items

Independent Contracts		
Rotary drilling		
0-300 feet,	900 feet at $2.00/ft.	$ 1,800.00
300-600 feet,	110 feet at $2.10/ft.	231.00
Core drilling		
0-400 feet,	174 feet at $4.40/ft.	765.60
400-600 feet,	25 feet at $4.90/ft.	122.50
Standby time,	3 hours at $12.00/hr.	36.00
Bulldozing,	34 hours at $12.00/hr.	408.00
Bulldozing,	7 hours at $11.00/hr.	77.00
Miscellaneous items		
Chemical analyses,	7 samples at $5.00/spl.	35.00

Fixed Unit Cost Items

Incidental allowance, 1,209 feet at $0.21/ft.	253.89
Total Stage II costs in August 1958	$ 3,728.99
Total amount claimed, August 1958	$ 12,047.74

The claim for drilling costs is supported by an invoice from Robert J. Colquitt, Drilling Contractor, and agrees with the footages logged and probed by the operator. The claims for bulldozing are supported by invoices from the respective contractors. Chemical assay certificates and invoices were included to support the claim for the 20 chemical analyses.

The holes completed during August 1958 are located as shown on the map accompanying the operator's claim. A check of the core indicates that the drilling was done in conformance with contract specifications as to core size, cored interval, and penetration of the underlying red sandstone with the exception of hole No. JB-8. All previous information had indicated that the site of JB-8 was on the north, upthrown side of the major fault traversing the area and coring of the hole was commenced accordingly. Information obtained from the hole indicated, however, that the fault passed north of JB-8, thus putting the hole on the downthrown side and resulted in about 90 feet of excess core drilling. It is strongly recommended that no disallowance for excess core drilling be made in this case since it was an unavoidable error on the part of the operator. The information pertaining to the change of fault trend was not known until hole JB-8 was completed and evaluated.

Of the 8 holes completed during the month, JB-8, JB-44, and JB-45 penetrated significant amounts of ore-grade material; JB-1, JB-3, and JB-41 were classed as mineralized holes; and JB-2 and JB-9 were barren (table 1).

All of the Stage I work and 10 of the 29 authorized Stage II holes had been completed as of the date of this report. Drill sites are being prepared for the 12 additional holes (included in the above 29 holes) verbally authorized on September 26, 1958.

The operator submitted in quintuplicate a signed narrative report with map, NF-104 (Stage I), NF-104 (Stage II), NF-104A (Stage I), NF-104A (Stage II), geologic logs, and radiometric probing results. One copy each of every certification (4) and invoices for drilling, bulldozing, and chemical analyses accompanied the August 1958 claim. The work was performed--with the exception noted above--and claims made in conformance with contract specifications.

The monthly and cumulative totals on the NF-104 forms for Stage II are correct. The claiming forms for Stage I still do not reflect the previously disallowed bulldozer time.

The inspecting engineer recommends payment of the August claim as follows:

Stage I	-	75 percent of $8,318.75	=	$6,239.06
Stage II	-	75 percent of $3,728.99	=	2,796.74
		Total payment	=	$9,035.80

H. F. Robertson

H. F. Robertson
Mining Engineer

Table 1.--Summary of drilling results - August 1958
DMRA 4326 Contract Idm-8 1181

Hole No.	Core	Rescore	Total	Mineralization: Radiometric Interval	Radiometric U_3O_8	Mineralization: Chemical Interval	Chemical U_3O_8	Chemical WO_3
JB-1	76	510	576	544.0-545.0	0.16	545.5-547.2	0.00	0.06
				545.0-546.0	0.84	547.2-550.0	0.13	1.05
				546.0-547.0	0.82	550.0-552.0	0.02	0.02
				547.0-548.0	0.05	559.3-559.5	0.04	1.06
JB-2	88	525	613	Barren		601.8-602.1	0.00	0.03
JB-3	90	535	625	Barren		560.4-560.7	0.02	1.32
						569.4-570.3	0.00	0.04
						570.3-570.6	0.00	0.02
JB-8	181	395	576	519.0-520.0	0.06	518.4-519.4	0.03	0.39
				520.0-521.0	0.18	519.4-520.7	1.75	0.13
				521.0-522.0	0.52	520.7-523.3	0.01	0.03
						523.3-526.0	0.04	0.43
JB-9	60	535	595	544.0-545.0	0.16	584.7-585.6	0.01	0.05
				545.0-546.0	0.84			
				546.0-547.0	0.22			
JB-41	65	355	420	380.0-381.0	0.02	380.0-380.7	0.03	0.37
				381.0-382.0	0.07	380.7-381.7	0.12	0.25
				382.0-383.0	0.06			
JB-44	70	335	405	368.0-369.0	0.16	371.4-373.2	0.22	0.26
				369.0-370.0	0.27			
				370.0-371.0	0.48	373.2-379.0	0.53	1.06
				371.0-372.0	0.76			
				372.0-373.0	0.64	379.0-383.0	0.46	0.74
				373.0-374.0	0.59			
				374.0-375.0	0.46			
				375.0-376.0	0.53			
				376.0-377.0	0.99			
				377.0-378.0	0.66			
				378.0-379.0	0.20			
JB-45	64	320	384	351.0-352.0	0.10	354.8-360.0	1.14	7.09
				352.0-353.0	1.00			
				353.0-354.0	1.40	360.0-361.2	0.52	0.08
				354.0-355.0	0.48			
				355.0-356.0	0.37			
				356.0-357.0	1.16			
				357.0-358.0	1.08			
				358.0-359.0	0.52			
				359.0-360.0	0.13			

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

Budget Bureau No. 42-R1036.5

RECEIVED OCT 16 1958 O.M.E.

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

Month of August, 1958 Docket No. DMEA 482 Contract No. Idm E-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado
Contract Amount, $ 102,620.00 Government Participation: 75% Amount, $ 76,965.00

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 [redacted] Contracts:		STAGE I				
Drilling [redacted] Non-Core	3,000.00	17,310.00	20,310.00			
[redacted] Non-Core	2,100.00	5,046.30	7,146.30			
[redacted] Core	22.00	6,424.00	6,446.00			
[redacted] Core	2,214.80	3,234.00	5,448.80			
Core	228.00	528.00	756.00			
(2) [redacted]:						
[redacted] Bulldozing		1,140.00	1,140.00			
[redacted] Standby Time	60.00	396.00	456.00			
Incident[redacted] Allow.	628.95	2,785.86	3,414.81			
(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	65.00	330.00	395.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	8,318.75	37,194.16	45,512.91	12,047.74	37,194.16	45,512.91
				4	180.00	180.00
					37,014.16	45,332.91
					$ 9035.81	

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 14/58 *Payee New Idria Mining and Chemical Company, Agent

Per Wesley Shadduck Title Assistant Treasurer

*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:

Signature RRQ
(Authorized Certifying Officer)

Date 10/13/58 Vou. No. DMEA-59-50
(See other side)

4 Previous disallowance

(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-E1181 in accordance with the terms of the contract.

Signature H. T. Robertson #6239.06 Title Mining Engr. Date 9/29/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [illegible] Title acting Executive Officer Date OCT 10 1958

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-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 16 1958

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

Month of August, 1958 Docket No. DMEA 4626 Contract No. Idm E-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado
Contract Amount, $ 102,620.00 Government Participation: 75 % Amount, $ 76,965.00

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 Contracts:		STAGE II				
Drilling Non-Core	1,800.00		1,800.00			
Non-Core	231.00		231.00			
Core	765.60		765.60			
Core	122.50		122.50			
(2)						
Standby Time	36.00		36.00			
Bulldozing	485.00		485.00			
Incident Allow.	253.89		253.89			
(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	35.00		35.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3,728.99		3,728.99			

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

Date Sept. 14/58 *Payee New Idria Mining & Chemical Co., Agent

Per [signature] Title Assistant Treasurer

*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:

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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. Tdm-E1181 in accordance with the terms of the contract.

Signature H. T. Robertson $2,796.74 Title Mining Engr. Date 9/29/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Checked for Engineering Feasibility

Signature ..... Title ..... Date .....

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

RECEIVED OCT 16 1958

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1958 Docket No. DMEA 4826 Contract No. Idm E-1181
Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium
Address Post Office Box 311, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting				STAGE I				
Crosscutting								
Raising								
Drilling Core	Foot	22.00	5	6,446.00	1,465	4.40	1,515	4.40
Core	Foot	2,214.80	452	5,448.80	1,112	4.90	1,280	4.90
Drilling: Core	Foot	228.00	38	756.00	126	6.00	205	6.00
Non-Core	Foot	3,000.00	1,500	20,310.00	10,155	2.00	11,175	2.00
Non-Core	Foot	2,100.00	1,000	7,146.30	3,403	2.10	4,145	2.10
Bulldozing	Hour			1,140.00	95	12.00	80	12.00
Standby Time	Hour	60.00	5	456.00	38	12.00	40	12.00
Analysis	Each	65.00	13	395.00	79	5.00	100	5.00
Incidental Allowance	Foot	628.95	2,995	3,414.81	16,261	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		8,318.75		45,512.91				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		8,318.75		45,512.91				

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.

Date Sept. 14/58 Operator New Idria Mining and Chemical Company, Agent

Per Wesley Sherbrooke Title Assistant Treasurer

REMARKS: H.J.R.

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)

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-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED SEP 16 1958

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 8 Docket No. DMEA 4826 Contract No. Idm E-1181

Operator's Name New Idria Mining and Chemical Company, Agent Minerals Uranium

Address Post Office Box 311, Grand Junction, Colorado

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 II				
Drifting								
Crosscutting								
~~Raising~~								
~~Shafts~~ Drilling NonCore	Ft.	1,800.00	900	1,800.00	900	2.00	11,175	2.00
~~Winzes~~ " " "	Ft.	231.00	110	231.00	110	2.10	4,145	2.10
Drilling: ~~Core~~ Core	Ft.	765.60	174	765.60	174	4.40	1,515	4.40
~~Churn~~ Core	Ft.	122.50	25	122.50	25	4.90	1,280	4.90
~~Auger~~ Core	Ft.						205	6.00
~~Stripping~~ Standby Time	Hour	36.00	3	36.00	3	12.00	40	12.00
~~Trenching~~ Bulldozing	Hour	485.00	41	485.00	41	11.83	80	12.00
~~Test Pits~~ Analysis	Each	35.00	7	35.00	7	5.00	100	5.00
~~Borings and Trips~~								
Incidental Allow.	Foot	253.89	1,209	253.89	1,209	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		3,728.99		3,728.99				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~3,728.99~~		~~3,728.99~~				

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 Sept.14/58 Operator New Idria Mining and Chemical Company, Agent

Per Wesley Shadduck Title Assistant Treasurer

REMARKS: H.F.R.

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(Instructions on reverse)

(For Government use only)

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GPO 872894

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

September 7, 1958

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for August, 1958

Dear Mr. Harshman:

The first stage of drilling on the above numbered contract was continued during the month of August, 1958, and a total of five first stage holes were completed (A total of 38 holes have been completed on the first stage of 40 holes to the end of August, 1958). In addition three holes of the approved 17 holes in the "Proposed First Portion Second Stage Drilling" were also completed. These eight holes totaled 4,204 feet of drilling of which 3,510 feet was non-core drilling and 694 feet was core drilling.

The three second stage holes were drilled to facilitate exploration and the first stage will be completed before drilling additional second stage holes.

The first stage holes drilled were on the Hubbard Homestead collaring on the Dakota Formation and the second stage holes were located on the lower bench.

Holes JS-8, JS-44 (2nd stage) and JS-45 (2nd stage) were ore holes, JS-1, JS-3 and JS-41 (2nd stage) were strongly mineralized and JS-2 and JS-9 were barren.

Holes JS-1, JS-8 and JS-15 were believed to lie north and on the up side of the fault line that was believed to extend through the north portion of the Hubbard Homestead, however, it was found that all holes lie on the down side and are in their proper place in the sand section. Therefore it is assumed that the fault line turns, as indicated on the map, and passes north of all the JS series holes. JS-8, the first hole drilled north of the indicated fault line, was overcored by approximately 90 feet which was the assumed displacement of the sand at that point, however, with this information in hand it was possible to properly core the remaining holes.

Considerable water was encountered in the deep holes and some very hard sections were found in the Dakota Formation.

NEW IDRIA MINING & CHEMICAL COMPANY
URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

Continued - Letter to Mr. E. N. Harshman re monthly report on drilling for August, 1958, Docket No. DMEA-4826 (Uranium), Contract No. Idm-E1181, Hubbard Homestead, Pack Rat, et al., Claims, Mesa County, Colorado.

During the month dozer work was done to prepare the 17 locations as approved on the first portion of the second stage drilling. The permanent traverse has been brought up to date with the holes drilled.

The following table gives the pertinent data on the eight holes drilled during the month of August, 1958.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-1	8-28	8-30	510	76	586	1.7	None	0.06	Favorable
						2.8	0.13	1.05	
						2.0	0.02	0.22	
						0.2	0.04	1.06	
JS-2	8-11	8-13	525	88	613	0.3	None	0.03	Favorable
JS-3	7-30	8-1	535	90	625	0.3	0.02	1.32	Favorable
						0.9	None	0.04	
						0.3	None	0.02	
JS-8	8-14	8-21	395	181	576	1.0	0.03	0.39	Favorable
						1.3	1.75	0.15	
						2.6	0.01	0.03	
						2.7	0.04	0.43	
JS-9	8-5	8-8	535	60	595	0.9	0.01	0.05	Favorable
JS-41	8-21	8-22	355	65	420	0.7	0.03	0.57	Favorable
						1.0	0.12	0.25	
JS-44	8-25	8-26	335	70	405	3.8	0.22	0.26	Favorable
						3.8	0.53	1.06	
						4.0	0.46	0.74	
JS-45	8-27	8-27	320	64	384	5.2	1.14	7.09	Favorable
						1.2	0.52	0.08	
Totals			3510	694	4204				

Very truly yours,

NEW IDRIA MINING & CHEMICAL COMPANY

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket DMA 4826
Contract No. Idm-21181
Hubbard, Rock Hat, et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS 1	60.2	5.8		4.5	10.3	A	7	7	4	18	Favorable
JS 2	72.5		0.3	1.0	1.3	S	7	5	2	14	Favorable
JS 3	72.4		1.6	2.7	4.3	A	7	7	4	18	Favorable
JS 8	75.6	1.3	0.3	2.0	3.6	M	7	6	3	16	Favorable
JS 9	45.6			2.9	2.9	A	7	6	4	17	Favorable
JS 41	45.2	0.7		6.1	6.8	A	7	7	4	18	Favorable
JS 44	55.6		1.0	5.4	6.4	S	7	7	2	16	Favorable
JS 45	48.6	2.8	0.2	7.5	10.5	A	7	7	4	18	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

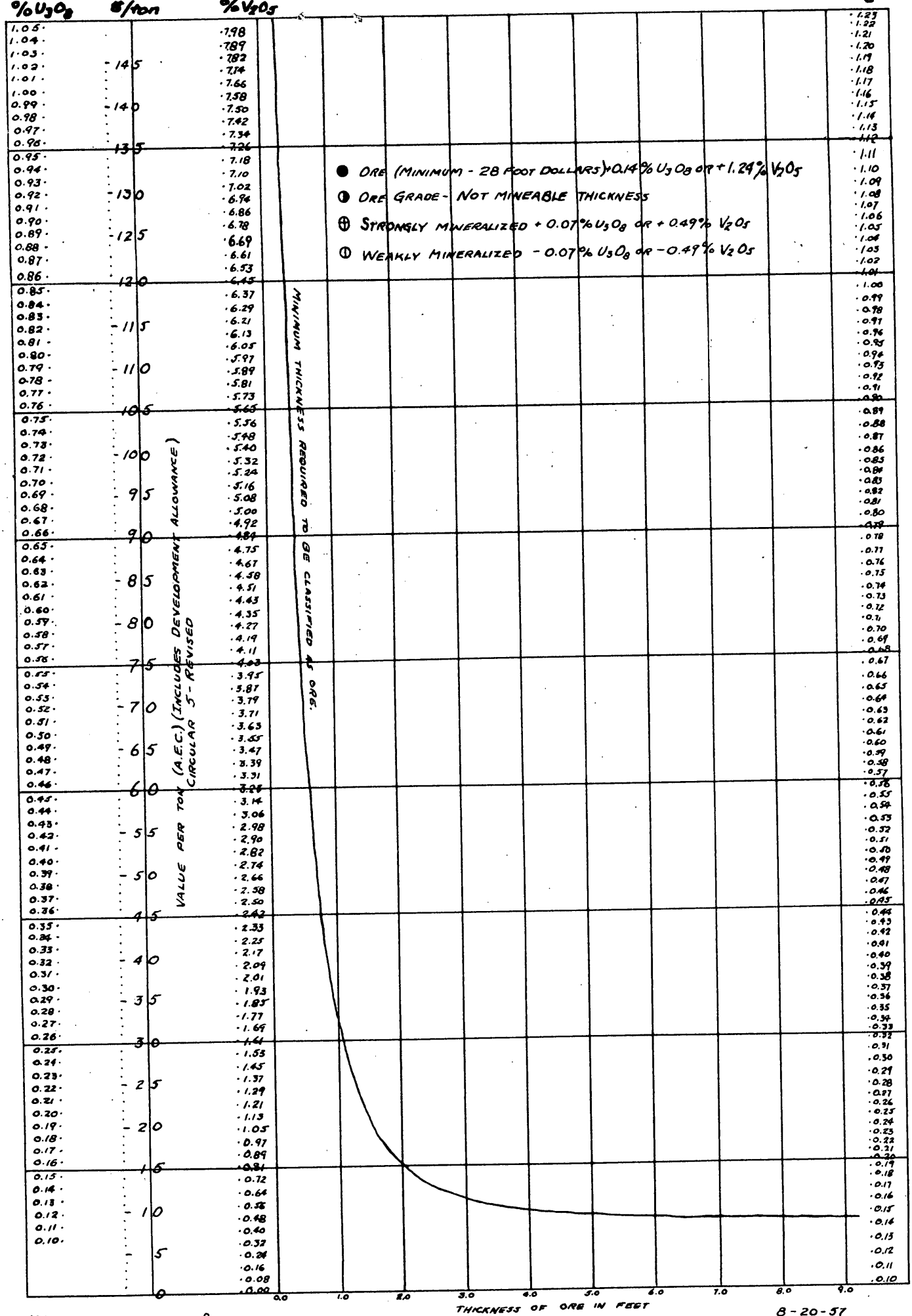
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL CO.
URANIUM DIVISION

8-20-57

FROM A.W.G.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead,
Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4493~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~
Claim Hubbard Homestead
Date started Aug. 28, 1958
Date completed Aug. 30, 1958

Type of Drill Rotary

COORDINATES
North
East

Drill-hole No. ~~JR~~ JS 1
Total depth 586.0
Collar elev. 7379.2T

Summary of log; OBSS; Thick; SS Color; MS; Cbn

	OBSS	Thick	SS Color	MS	Cbn
Favorable	515.8-576.0	60.2	Wh/Gy	Under OBSS 4.5 Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	510.0						Plug	
510.0	515.8	5.8	MS/ST	Gn		N	A itbd. LGy. Qtzc. SS; Calcite filled joints.	
515.8	518.0	2.2	SS	Gn	F	N	A int. Gn. MS	
518.0	535.5	17.5	SS	LGn/Wh	F-M	S	A Alt. Vol.; S int. Gn. MS; A joints; Massive	
535.5	545.5	10.0	SS	Wh	F-M	A	A Alt. Vol.; A Gn. MS fms.; Trashy zone 535.5-537.8; Lam.	
545.5	547.2	1.7	SS	Gy	F-M	N	A Alt. Vol.; M Gn. MS fms.; Lam. S U spks.; Friable	83
547.2	550.0	2.8	SS	DGn/DGy	F-M	N	M Alt. Vol.; A Bk. fms.; Lam.; High angle frac. at 550.0 showing vert. displacement; Friable	84
550.0	552.0	2.0	SS	Gy	F-M	N	A Alt. Vol.; Friable; Block jts. and vert. displace. at top.	85
552.0	559.3	7.3	SS	LGy	F-M	N	A Alt. Vol.; S Gn. MS incls.; Friable; Massive	
559.3	559.5	0.2	MS	DGn/Bk		?	Sandy	86
559.5	561.0	1.5	SS	LGy	F-M	N	A Alt. Vol.; S Gn. MS fms. & Incls.	
561.0	572.5	11.5	SS	Wh/LGy	F	S	M Alt. Vol.; M Gn. MS Fms.; Lam. Intermittant high angle fracs. with displ.; Slickensides @ 572.5	
572.5	576.0	3.5	SS	LGy	F-M	A	M Alt. Vol.; A Gn. MS fms.; X-bedded; Contorted; Vert. displ.; Fossil wood	
576.0	580.5	4.5	MS/ST	Gn		N	Fractured. 30% lost	
580.5	586.0	5.5	MS	R		N	A itbd. jointed LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
83	545.5	547.2	1.7	None	0.06	
84	547.2	550.0	2.8	0.13	1.05	
85	550.0	552.0	2.0	0.02	0.22	
86	559.3	559.5	0.2	0.04	1.06	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~XXX~~ 1181
Beaver Mesa ~~Johnson Mine Group~~

Drill-hole No. ~~XX~~ JS 2
Total depth: 613.0
Collar elev. 7397.9T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Aug. 11, 1958
Date completed: Aug. 13, 1958

Summary of log: Favorable; OBSS: 529.3-601.8; Thick: 72.5; SS Color: Wh/LGy; MS: Under OBSS 1.0Gn; Cbn: S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	525.0						Plug	
525.0	529.3	4.3	MS	R/Gn		N	S itbd. Pp. Qtzc. SS	
529.3	535.0	5.7	SS	LGn	F	N	A int. Gn. MS; Massive	
535.0	545.0	10.0	SS	Wh	M-F	N	A Alt. Vol.; S Gn. MS incls.	
545.0	564.0	19.0	SS	Wh	M-F	S	A Alt. Vol.; M Gn. MS Fms. & incls.; Lam.; Partly X-bedded; Cbn. Fks. 557.5-558.0	
564.0	575.0	11.0	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms. & incls.	
575.0	579.8	4.8	SS	Wh/LGy	M	S	A Alt. Vol.; M Gn. MS Fms.; Lam.; Qtzc. at base	
579.8	584.0	4.2	SS	Gn	VF	N	Silty	
584.0	584.3	0.3	MS	Gn		N		
584.3	585.0	0.7	SS	Gn	VF	N		
585.0	601.8	16.8	SS	LGy	F-M	S	A Alt. Vol.; A Gn. MS Fms. & incls.; X-bedded	
601.8	602.1	0.3	MS	Bk		?		71
602.1	603.1	1.0	MS/ST	Gn		N		
603.1	613.0	9.9	MS	R/Gn		N	Mot.; A itbd. LR Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
71	601.8	602.1	0.3	None	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~XX~~ JS2

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~[illegible]~~ 4826
Contract Idm E-~~[illegible]~~ 1181
Beaver Mesa ~~[illegible]~~

Type of Drill: Rotary

Drill-hole No. ~~[illegible]~~ JS 3
Total depth: 625.0
Collar elev.: 7407.3T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: July 30, 1958
Date completed: Aug. 1, 1958

Summary of log: Favorable; OBSS: 535.0-607.4; Thick: 72.4; SS Color: Wh; MS: Under OBSS 2.7 Gn; Cbn: A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	535.0						Plug	
535.0	538.0	3.0	SS	Gn	F	N	A int. Gn. MS	
538.0	558.0	20.0	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS Fms.; Mas.	
558.0	560.4	2.4	SS	Wh	M	M	A Alt. Vol.; S Gn. MS Fms. & incls.	
560.4	560.7	0.3	SS	Gn/Br	F	?	A itbd. Bk. MS	67
560.7	567.4	6.7	SS	Wh/LGy	F	N	A Alt. Vol.; Semi-Qtzc.; Massive	
567.4	568.8	1.4	MS/ST	DGn		?		
568.8	569.4	0.6	SS	Gy-Gn	VF-F	N	0.2 Gn. MS 569.0-569.2	
569.4	570.3	0.9	MS/ST	Bk		?		68
570.3	570.6	0.3	SS	Gy	F	A	Lam.	69
570.6	571.5	0.9	SS	Wh	F	A	S Alt. Vol.; Cbn. Fks. & Fms.; Lam.	
571.5	575.5	4.0	SS	Wh	F-M	N	M Alt. Vol.; Massive	
575.5	582.9	7.4	SS	Wh	M-C	S	A Alt. Vol.; M Gn. MS Fms.; Lam.; Partly X-bedded	
582.9	597.5	14.6	SS	Wh	F	S	M Alt. Vol.; S Gn. MS Fms.; Massive	
597.5	607.4	9.9	SS	Wh	F-M	A	A Alt. Vol.; M Gn. MS Fms.; Cbn. Fks. & Fms.; Lam.; Qtzc. at bottom	
607.4	610.1	2.7	MS	Gn		N	Calc.; M itbd. Gy. Qtzc. SS	
610.1	622.0	11.9	MS	R/Gn		N	Mot.; A itbd. Gy. Qtzc. SS	
622.0	625.0	3.0	MS	Gn/R		N	70% Gn.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
67	560.4	560.7	0.3	0.02	1.32	
68	569.4	570.3	0.9	None	0.04	
69	570.3	570.6	0.3	None	0.02	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~[illegible]~~ JS3

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA 4826
Contract Idm E-1181
Beaver Mesa

Drill-hole No. JS 8
Total depth: 576.0
Collar elev: 7357.1T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: Aug. 14, 1958
Date completed: Aug. 21, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	488.4-564.0	75.6	Wh/Gy	Under OBSS 2.0Gn	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	395.0						Plug	
395.0	415.0	20.0	MS	Gn		N	A itbd. Ls.	
415.0	466.0	51.0	MS	R/Gn		N	Mot.; M itbd. Gy. Qtzc. SS	
466.0	472.0	6.0	SS	R	VF-F	N		
472.0	487.1	15.1	MS	R/Gn		N	Mot.	
487.1	488.4	1.3	ST	Gn		N	A iybd. LGy. Qtzc. SS.	
488.4	491.2	2.8	SS	Gn	F	N	A int. Gn. MS.	
491.2	510.0	18.8	SS	Wh	F-M	S	A Alt. Vol.; M int. Gn. MS.; Cbn. fks.	
510.0	518.4	8.4	SS	Wh	F	N	A Alt. Vol.; M Gn. MS fms.; X-bedded.	
518.4	519.4	1.0	SS	Gy	F-M	N	A Alt. Vol.; Lam.	72
519.4	520.7	1.3	SS	DGy/Br	M	M	Fossil wood; A Alt. Vol.; A U fms.	73
520.7	523.3	2.6	SS	Gy	M-F	N	A Alt. Vol.; X-bedded	74
523.3	526.0	2.7	SS	LGy	F	N	M Alt. Vol.; Massive; Friable	75
526.0	536.1	10.1	SS	Wh	F-M	S	A Alt. Vol.; A Gn. MS incls.; Massive	
536.1	546.7	10.6	SS	Wh/LGn	VF-F	M	S Alt. Vol.; 0.1 Gn. MS 539.4-539.5, 543.1-543.2; Lam.; X- bed.	
546.7	546.8	0.1	MS	Gn		N		
546.8	564.0	17.2	SS	Wh	M	M	A Alt. Vol.; M Gn. MS Fms. & ints.; Partly X-bedded; Lam.	
564.0	566.0	2.0	MS	Gn		N		
566.0	576.0	10.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
72	518.4	519.4	1.0	0.03	0.39	
73	519.4	520.7	1.3	1.75	0.15	
74	520.7	523.3	2.6	0.01	0.03	
75	523.3	526.0	2.7	0.04	0.43	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. JS8

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill Rotary

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Jackie Mae Group~~

Drill-hole No. ~~JK~~ JS 9
Total depth 595.0
Collar elev. 7403.7T

COORDINATES
North
East

Claim Hubbard Homestead
Date started Aug. 5, 1958
Date completed Aug. 8, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	540.5-586.1	45.6	Wh	Under OBSS 2.9 Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	535.0						Plug	
535.0	540.5	5.5	MS	R/Gn		N	Mot.; Sandy	
540.5	545.5	5.0	SS	Gn	F	N	A int. Gn. MS; Massive	
545.5	548.0	2.5	SS	Wh	F	N	M Alt. Vol.; Massive	
548.0	561.4	13.4	SS	Wh	M-F	S	A Alt. Vol.; M Gn. MS Fms. & incls.; Lam.; X-bedded	
561.4	584.7	23.3	SS	Wh	F-M	S	A Alt. Vol.; M Gn. MS Fms. & incls.; Lam.; X-bedded	
584.7	585.6	0.9	SS	Gy	F	A	Cbn. Fms.; Lam.; 0.2 Bk. St. at top	70
585.6	586.1	0.5	SS	Wh	F	N	Qtzc.	
586.1	589.0	2.9	MS	Gn		N		
589.0	595.0	6.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
70	584.7	585.6	0.9	0.01	0.05	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~444~~ 4826
Contract Idm E-~~107~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Drill-hole No. ~~JK~~ JX JS 41
Total depth: 420.0
Collar elev: 7200.0T

COORDINATES
North
East

Claim: Pack Rat No. 2
Date started: Aug. 21, 1958
Date completed: Aug. 22, 1958

Summary of log: Favorable; OBSS: 359.2-404.4; Thick: 45.2; SS Color: Wh/Gy/Gn; MS: Under OBSS 6.1 Gn; Cbn: A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	355.0						Plug	
355.0	358.5	3.5	MS	R		N	A itbd. LGy. Qtzc. SS	
358.5	359.2	0.7	MS	Gn		N		
359.2	359.6	0.4	SS	Gy	F-M	N		
359.6	360.8	1.2	SS	Wh	VF-F	N		
360.8	373.3	12.5	SS	Wh/LGn	F-M	M	A Alt. Vol.; M int. Gn. MS; M Gn. MS fms.; Lam.; Cbn. fks. & fms. at 373.2.	
373.3	380.0	6.7	SS	Wh	M-F	N	A Alt. Vol.; S Gn. MS fms.; Massive	
380.0	380.7	0.7	SS	Gn/Gy	F-M	S	M Alt. Vol.; X-bedded	76
380.7	381.7	1.0	SS	Gy	F	S	A Alt. Vol.; M U spots	77
381.7	394.6	12.9	SS	Wh	F-M	A	A Alt. Vol.; Cbn. fks. & fms. 383.2-384.0; A Gn. MS fms. & incls.; Lam. & X-bedded	
394.6	404.4	9.8	SS	Wh/LGy	M-F	S	A Alt. Vol.; S Gn. MS incls.	
404.4	410.5	6.1	MS	Gn		N	M itbd. LGy Qtzc. SS	
410.5	420.0	9.5	MS	R/Gn		N	Mot.; A itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
76	380.0	380.7	0.7	0.03	0.57	
77	380.7	381.7	1.0	0.12	0.25	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~4404~~ 4826
Contract Idm E-~~1024~~ 1181
Beaver Mesa ~~Johnson Mine Group~~

Drill-hole No. ~~JR~~ XX JS 44
Total depth: 405.0
Collar elev. 7184.9T

COORDINATES
North
East

Claim: Pack Rat No. 2
Date started: Aug. 25, 1958
Date completed: Aug. 26, 1958

Summary of log: Favorable; OBSS: 335.0-390.6; Thick: 55.6; SS Color: Wh/Gy/Bk; MS: Under OBSS 5.4 Gn; Cbn: S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	335.0						Plug	
335.0	337.2	2.2	SS	Wh	VF-F	N	Qtzc.	
337.2	341.0	3.8	SS	Gn	F-M	N	A Alt. Vol.; A int. Gn. MS	
341.0	359.5	18.5	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS incls.; Massive	
359.5	371.4	11.9	SS	Wh	F-M	S	A Alt. Vol.; M Gn. MS fms. & incls.; Lam.	
371.4	375.2	3.8	SS	LGy	F-M	N	M Alt. Vol.; Lam.; X-bedded; A Gn. MS fms. & incls.; Gn. MS 374.2-375.2; S U spots.	78
375.2	379.0	3.8	SS	Bk	F-M	?	A Alt. Vol.; Bk. & Gy. spotted; A U spots; Semi-Qtzc.	79
379.0	383.0	4.0	SS	Gy/Bk	F-M	?	A Alt. Vol.; Bk. & Gy. spotted; A U spots; S pyrite	80
383.0	390.6	7.6	SS	LGy/Wh	F	S	M Alt. Vol.; S Gn. MS incls.; Calcite filled joint at bottom.	
390.6	396.0	5.4	MS/ST	Gn		N	A itbd. LGy. Qtzc. SS; S itbd. Ls	
396.0	405.0	9.0	MS	R/Gn		N	Mot.; A itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
78	371.4	375.2	3.8	0.22	0.26	
79	375.2	379.0	3.8	0.53	1.06	
80	379.0	383.0	4.0	0.46	0.74	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS44

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4XXX~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 45
Total depth 384.0
Collar elev. 7170.6T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started Aug. 27, 1958
Date completed Aug. 27, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	325.3-373.9	48.6	Wh/Gy/Bk	Under OBSS 7.5 Gn	A

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	320.0						Plug	
320.0	322.5	2.5	MS	R/Gn		N	Mot.	
322.5	325.3	2.8	MS	Gn		N	A itbd. LGy. Qtzc. SS	
325.3	327.0	1.7	SS	Gn	F	N	A int. Gn. MS	
327.0	334.5	7.5	SS	Wh	F	N	M Alt. Vol.; S int. Gn. MS; Mas.	
334.5	344.7	10.2	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS fms. Mass.	
344.7	354.8	10.1	SS	Wh/LGy	F-M	N	A Alt. Vol.; M Gn. MS fms.; Lam.	
354.8	360.0	5.2	SS	Bk/Gy	F	?	354.8-355.8 Bk. VF SS W/A U fms-Clauthalite fm. at top; 355.8-356.8 Gy. F SS-horse; 356.8-357.9 SS. Bk. VF SS W/M U fms.; 357.9-360.0 Gy. F SS W/M U spots. Semi-Qtzc.	81
360.0	361.2	1.2	SS	Gy	F	A	A itbd. Bk. MS; Fossil wood; 0.2 Gn. MS W/bright R MS fms. (Se?)	82
361.2	373.9	12.7	SS	Wh/LGy	F-M	A	A Alt. Vol.; S Gn. MS incls.; Trashy zone 365.0-367.0; Massive	
373.9	381.4	7.5	MS	Gn		N		
381.4	384.0	2.6	MS	R		N		

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
81	354.8	360.0	5.2	1.14	7.09	
82	360.0	361.2	1.2	0.52	0.08	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 1

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed August 30, 1958 Probed By JW

Plug Depth 510.0' Core Interval 76.0'

Total Depth 586.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 586.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
0.0	542.0	5	0.02	0.00
542.0	543.0	5	0.04	0.01
543.0	544.0	5	0.22	0.07
544.0	545.0	5	0.48	0.16
545.0	546.0	5	0.72	0.24
546.0	547.0	5	0.68	0.22
547.0	548.0	5	0.16	0.05
548.0	549.0	5	0.06	0.02
549.0	550.0	5	0.04	0.01
550.0	556.0	5	0.02	0.00
556.0	557.0	5	0.04	0.01
557.0	558.0	5	0.18	0.06
558.0	586.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 1

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 2

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4494~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed August 13, 1958 Probed By JW

Plug Depth 525.0' Core Interval 88.0'

Total Depth 613.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 613.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	525.0	5	0.01	0.00
525.0	613.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 2

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 3

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXX~~ 4826
CONTRACT Idm É-~~XXX~~ 1181

Date Probed August 1, 1958 Probed By JW

Plug Depth 535.0' Core Interval 90.0'

Total Depth 625.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 625.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	535.0	5	0.03	0.00
535.0	625.0	5	0.03	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 3

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~MK~~ JS 8

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4XXX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed August 20, 1958 Probed By JW

Plug Depth 395.0' Core Interval 181.0'

Total Depth 576.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 576.0'

DEPTH FROM'	TO '	SCALE	READING	GRADE ESTIMATE
0.0	517.0	5	0.02	0.00
517.0	518.0	5	0.02	0.00
518.0	519.0	5	0.09	0.03
519.0	520.0	5	0.18	0.06
520.0	521.0	4	0.20	0.18
521.0	522.0	4	0.54	0.52
522.0	523.0	5	0.20	0.06
523.0	527.0	5	0.04	0.01
527.0	528.0	5	0.06	0.02
528.0	529.0	5	0.06	0.02
529.0	530.0	5	0.04	0.01
530.0	576.0	5	0.02	0.00

RESULTS

HOLE NO. ~~MK~~ JS 8

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JX JS 9

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA XXX 4826
CONTRACT Idm E-XXX 1181

Date Probed August 11, 1958 Probed By JW

Plug Depth 535.0' Core Interval 60.0'

Total Depth 595.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 595.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	535.0	5	0.02	0.00
535.0	586.0	5	0.02	0.00
586.0	587.0	5	0.12	0.04
587.0	595.0	5	0.02	0.00

RESULTS

HOLE NO. XX JS 9

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 41

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXX~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed August 22, 1958 Probed By JW

Plug Depth 355.0' Core Interval 65.0'

Total Depth 420.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 420.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	379.0	5	0.02	0.00
379.0	380.0	5	0.02	0.00
380.0	381.0	5	0.05	0.02
381.0	382.0	5	0.20	0.07
382.0	383.0	5	0.18	0.06
383.0	384.0	5	0.08	0.03
384.0	420.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 41

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~XR~~ JS 44

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4XX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed August 26, 1958 Probed By JW

Plug Depth 335.0' Core Interval 70.0'

Total Depth 405.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 405.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	367.0	5	0.02	0.00
367.0	368.0	5	0.18	0.06
368.0	369.0	5	0.52	0.16
369.0	370.0	4	0.30	0.27
370.0	371.0	4	0.50	0.48
371.0	372.0	4	0.76	0.76
372.0	373.0	4	0.64	0.64
373.0	374.0	4	0.60	0.59
374.0	375.0	4	0.48	0.46
375.0	376.0	4	0.54	0.53
376.0	377.0	4	0.90	0.99
377.0	378.0	4	0.66	0.66
378.0	379.0	5	0.60	0.20
379.0	380.0	5	0.16	0.05
380.0	405.0	5	0.02	0.00

RESULTS It will be noted that the probe is showing count above the sampled ore zone and the reprobing of the hole continued to give identical results. It is believed this is caused by a roll of the top of the ore so the ~~probe was picking up count before entering the cored~~ section. The core itself indicated this supposition.

HOLE NO. ~~XX~~ JS 44

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 45

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed August 27, 1958 Probed By JW

Plug Depth 320.0' Core Interval 64.0'

Total Depth 384.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 384.0'

DEPTH FROM'	TO '	SCALE	READING	GRADE ESTIMATE
0.0	351.0	5	0.02	0.00
351.0	352.0	5	0.30	0.10
352.0	353.0	3	0.50	1.00
353.0	354.0	3	0.70	1.40
354.0	355.0	4	0.50	0.48
355.0	356.0	4	0.40	0.37
356.0	357.0	3	0.58	1.16
357.0	358.0	4	0.94	1.00
358.0	359.0	4	0.54	0.52
359.0	360.0	5	0.40	0.13
360.0	384.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 45

RECEIVED SEP 8 1958		
DATE	INITIALS	CODE
9-8	C	220
"	[illegible]	110
"	[illegible]	700
Abbreviation		

FINAL DISTRIBUTION

MADE SEP 4 1958

[illegible] New Customhouse
Denver 2, Colorado
September 3, 1958

For: [illegible]

From: Alternate Acting Executive Officer, DMEA Field Team, Region XIX

Subject: Project No. DMEA 4[illegible] (Uranium) Contract No. [illegible] New Diana Mining and Chemical Company (Robert Lunsford, Frank Ball, et al. claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of July 1958

Enclosed are the original and four copies each of Forms MP-16A and MP-16B, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract and partly on fixed unit costs. The drilling rates are on a low or lower than the rates contained in the lowest and best bid submitted with the application. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

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. Payment is recommended for 75 percent of the amount reported on Form MP-16A for July 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of report ---------- August 13, 1958
Date received in Field Office ---------- August 18, 1958
Date received in Regional Office ---------- August 21, 1958

Original signed by
J. W. TOWNSEND
J. W. Townsend

JWT:vh
cc: Chem. Op. Comp. 2
DMEA/WS
MP-16A File, Reg. XIX
Surveyor
Auditor } w/cy of Engineer's Rpt.
DMEA/GS
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
AUG 21 1958
REGION III
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

August 20, 1958

Memorandum

To: Alternate Acting Executive Officer, DMEA Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4826 (Uranium), Contract Idm-E 1181, New Idria Mining and Chemical Company (Hubbard, Homestead; Peak Rat, et al., claims) Mesa County, Colorado. Progress report for July 1958.

Work continued on Stage I of the subject project throughout the month of July 1958. A monthly inspection was made on August 12, 1958, by H. F. Robertson, accompanied by J. W. Hesler, USGS, and George Hamlett, the operator's geologist.

The operator's claim (received at Grand Junction on August 18, 1958) covers the costs incurred in the completion of 4,900 feet of non-core drilling and 63½ feet of core drilling in 10 first stage drill holes as follows:

Actual Cost Items

Independent Contracts		
Non-core drilling		
0-300 feet,	2,950 feet at $ 2.00/ft.	$ 5,900.00
300-600 feet,	1,950 feet at $ 2.10/ft.	4,095.00
Core drilling		
0-400 feet,	108 feet at $ 4.40/ft.	475.20
400-600 feet,	438 feet at $ 4.90/ft.	2,146.20
600-800 feet,	88 feet at $ 6.00/ft.	528.00
Standby time,	10 hours at $12.00/hr.	120.00
Miscellaneous Items		
Chemical analyses,	13 samples at $ 5.00/spl.	65.00
Fixed Unit Cost Items		
Incidental allowance,	5,53½ feet at $0.21/ft.	1,162.14
	Total amount claimed for July 1958	$14,491.54

The drill footage claim is supported by an invoice from Robert J. Colquitt, Drilling Contractor, and agrees with the footage reported on the geologic logs. Chemical assay certificates and invoices were included to verify the claim for the 13 chemical analyses.

The holes completed during July 1956 are located as shown on the map accompanying the operator's claim. A physical check of the core indicates that the drilling was done in conformance with contract specifications as to core size, cored interval, and penetration of the underlying red mahogany.

None of the 10 holes completed during the month penetrated ore-grade material, however, four of the holes (JE-3, JE-6, JE-7, and JE-12) contained thin (less than 1 foot) layers of mineralized rock chemically assaying from 0.06 - 0.11 percent U_3O_8 and from 0.09 - 0.44 percent V_2O_5. The 4 mineralized holes are all located on the Mahogany Extension. The remaining 6 holes completed during July were essentially barren.

Practically all of the first stage work has been completed as of the date of this report. Verbal approval has been given by the Government for commencing Stage II drilling and the operator has prepared drill sites for the authorized holes such that no delay will occur between stages.

The operator submitted in quintuplicate a signed narrative report with progress map, MF-104, MF-104A, geologic logs, and radiometric packing results. One copy each of assay certificates (3) and invoices for drilling and chemical analyses accompanied the July 1956 claim. The work was performed and claims made in conformance with contract specifications.

The monthly and cumulative totals on the MF-104 forms are correct and would be within contract maximums if the previously disallowed 15 hours of bulldozing time were deducted from the "Costs to date" and "Units to date" columns.

Payment of $10,868.66, representing 75 percent of the total costs claimed ($14,[illegible].34) is recommended by the inspecting engineer.

H. F. Robertson

H. F. Robertson
Mining Engineer

Table 1.--Summary of drilling results - July 1956.
New Idria Mining & Chemical Company
DMMA 4306 Contract Ida-I 1181

Hole No.	Drilling Footage			Mineralization				
				Radiometric		Chemical		
	Core	Non-core	Total	Interval	eU_3O_8	Interval	UO_3O_8	UV_2O_5
JB-4	74	530	604	Barren		-	-	-
JB-5	70	525	595	561.0-562.0	0.02	571.2-572.0	0.09	0.03
				562.0-562.5	0.05			
				562.5-563.0	0.02			
JB-6	90	525	615	541.0-542.0	0.03	542.8-543.6	0.01	0.02
						543.6-543.9	0.09	0.13
						591.6-592.0	Tr.	0.03
JB-7	60	335	395	561.0-562.0	0.1	563.9-564.5	0.11	0.06
				562.0-562.5	0.05	564.5-565.3	0.03	0.14
				562.5-563.0	0.02			
JB-10	68	530	598	Barren		-	-	-
JB-12	56	565	621	430.0-431.0	0.02	589.5-590.8	0.01	0.07
				431.0-432.0	0.03	590.8-591.5	0.08	0.09
				432.0-433.0	0.15	591.5-592.7	0.04	0.07
				433.0-434.0	0.08			
				434.0-435.0	0.03			
				435.0-436.0	0.02			
JB-13	48	565	613	Barren		598.5-598.8	0.01	0.21
						600.5-600.8	0.02	0.04
						600.8-601.6	0.01	0.03
JB-14	60	575	635	Barren		612.6-612.7	Tr.	0.03
JB-25	50	290	340	Barren		-	-	-
JB-40	58	260	318	Barren		-	-	-
Totals	634	4,900	5,534					

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

Budget Bureau No. 42-R1036.5

RECEIVED SEPT 8 1958

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

Month of JULY, 1958 Docket No. DMEA 4026 Contract No. IDM E-1181
Operator's Name NEW IBERIA MINING AND CHEMICAL COMPANY, AGENT Minerals URANIUM
Address POST OFFICE BOX 311, GRAND JUNCTION, COLORADO
Contract Amount, $102,620.00 Government Participation 75 % Amount, $76,965.00

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 Contractors:		STAGE I				
Drilling NON-CORE	5,900.00	11,410.00	17,310.00			
" "	4,095.00	951.30	5,046.30			
CORE	475.20	5,948.80	6,424.00			
"	2,146.20	1,087.80	3,234.00			
"	528.00		528.00			
(2) Other Contractors:						
BULLDOZING		1,140.00	1,140.00			
STANDBY TIME	120.00	276.00	396.00			
INCIDENTALS ALLOW.	1,162.14	1,623.72	2,785.86			
(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	65.00	265.00	330.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	14,491.54	22,702.62	37,194.16	14,491.54	22,702.62	37,194.16
					180.00	180.00

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

Date AUG. 13/58 *Payee NEW IBERIA MINING AND CHEMICAL COMPANY, AGENT

Per Wesley Shadduck Title ASSISTANT TREASURER

*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: 22,522.62 37,014.16

$10868.66

Signature
(Authorized Certifying Officer)

Date 9/4/58 Vou. No. DMA 59-33

(See other side)

Previously disallowed

(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-E1181 in accordance with the terms of the contract.

Signature H. F. Robertson $10,868.66 Title Mining Engr. Date 8/20/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Amc Checked for Engineering Allowability

Signature [illegible] Title Alternate Acting Executive Officer Date SEP 3 1958

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 1958 Docket No. DMEA 4826 Contract No. IDN E-1181

Operator's Name NEW IBERIA MINING AND CHEMICAL COMPANY, AGENT Minerals URANIUM

Address POST OFFICE BOX 311, GRAND JUNCTION, COLORADO

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								
Raising								
KNOX DRILLING: CORE	FOOT	475.20	108	6,424.00	1,460	4.40	1515	4.40
KNOX "	"	2,146.20	436	3,234.00	660	4.90	1280	4.90
Drilling: KNOX "	"	528.00	88	528.00	88	6.00	205	6.00
KNOX NON-CORE	"	5,900.00	2950	17,310.00	8,655	2.00	11,175	2.00
KNOX " "	"	4,095.00	1950	5,046.30	2,403	2.10	4,145	2.10
KNOX BULLDOZING	HOUR			1,140.00	95	12.00	80	12.00
KNOX STANDBY TIME	"	120.00	10	396.00	33	12.00	40	12.00
KNOX ANALYSIS	EACH	65.00	13	330.00	66	5.00	100	5.00
Roads and Trails								
INCIDENTAL ALLOWANCE	FOOT	1,162.14	5534	2,785.86	13,266	.21	18,320	.21
TOTAL DISTRIBUTED COSTS		14,491.54		37,194.16				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		14,491.54		37,194.16				

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: N.F.R.

Date AUGUST 13, 1958 Operator NEW IBERIA MINING AND CHEMICAL COMPANY, AGENT

Per Wesley Shaddock Title ASSISTANT TREASURER

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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

August 7, 1958

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for July, 1958

Dear Mr. Harshman:

The first stage of drilling on the above numbered contract was continued during the month of July, 1958, and a total of 10 holes were completed (A total of 33 holes have been completed on the first stage of 40 holes to the end of July, 1958). 5,534 feet of drilling was done of which 4,900 feet was non-core and 634 feet core drilling.

Two of the ten holes were on the lower bench and the remaining eight were deep holes on the Hubbard Homestead collaring on the Dakota formation.

No ore holes were encountered during the month, however, four holes, JS-5, JS-6, JS-7 and JS-12, were strongly mineralized and these holes are located to the center and southwest section of the Hubbard Homestead.

Considerable water was found in all the deep holes and rose to within 160 feet to 200 feet of the surface.

Very hard sections were found in the Dakota formation in holes JS-5 and JS-14 and bit consumption was excessive.

Drilling was normal for the area with the exception of hole JS-12 which did cave to quite an extent.

No dozer work was done during the month and the permanent traverse was commenced to tie the holes in with the existing mine maps and to prepare the first portion of the application for second stage drilling which was submitted to you the latter part of July.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - Box 311, Grand Junction, Colorado

Continued - Letter to Mr. E. N. Harshman re monthly report on drilling for July, 1958, Docket No. DMEA-4826 (Uranium), Contract No. Idm-E1181, Hubbard Homestead, Pack Rat, et al., Claims, Mesa County, Colorado.

The following table gives the pertinent data on the 10 holes drilled during the month of July, 1958.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-4	7-23	7-24	530	74	604		Barren		Favorable
JS-5	7-24	7-29	525	70	595	0.8	0.09	0.03	Favorable
JS-6	7-22	7-23	525	90	615	0.8	0.01	0.02	Favorable
						0.3	0.09	0.13	
						0.4	Tr	0.03	
JS-7	7-19	7-22	535	60	595	0.6	0.11	0.26	Favorable
						0.8	0.03	0.03	
JS-10	7-16	7-19	530	68	598		Barren		Favorable
JS-12	7-7	7-9	565	56	621	1.3	0.01	0.07	Favorable
						0.7	0.08	0.09	
						1.2	0.04	0.07	
JS-13	7-11	7-16	565	48	613	0.3	0.01	0.21	Favorable
						0.3	0.02	0.04	
						0.8	0.01	0.03	
JS-14	7-9	7-11	575	60	635	0.1	Tr	0.03	Favorable
JS-26	7-1	7-3	290	50	340		Barren		Favorable
JS-40	7-1	7-1	260	58	318		Barren		Favorable
Totals			4900	634	5534				

Very truly yours,

NEW IDRIA MINING & CHEMICAL COMPANY

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket DMEA 4826
Contract No. Idm-E1181
Hubbard, Pack Rat, et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS 4	66.8		2.3	3.5	5.8	M	7	7	3	17	Favorable
JS 5	46.8	1.8	0.4	4.2	6.4	M	7	7	3	17	Favorable
JS 6	72.1	3.2	1.0	3.5	7.7	M	7	7	3	17	Favorable
JS 7	44.9		1.4	0.5	1.9	M	7	5	3	15	Favorable
JS 10	46.9	4.5		1.6	6.1	A	7	7	4	18	Favorable
JS 12	41.7			3.2	3.2	N	7	6		13	Favorable
JS 13	43.3			2.0	2.0	A	7	5	4	16	Favorable
JS 14	38.8	4.3	0.2	3.5	8.0	M	6	7	3	16	Favorable
JS 26	37.7	1.3	0.5		1.8	S	6	5	2	13	Favorable
JS 40	48.7		0.5		0.5	S	7	2	2	11	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

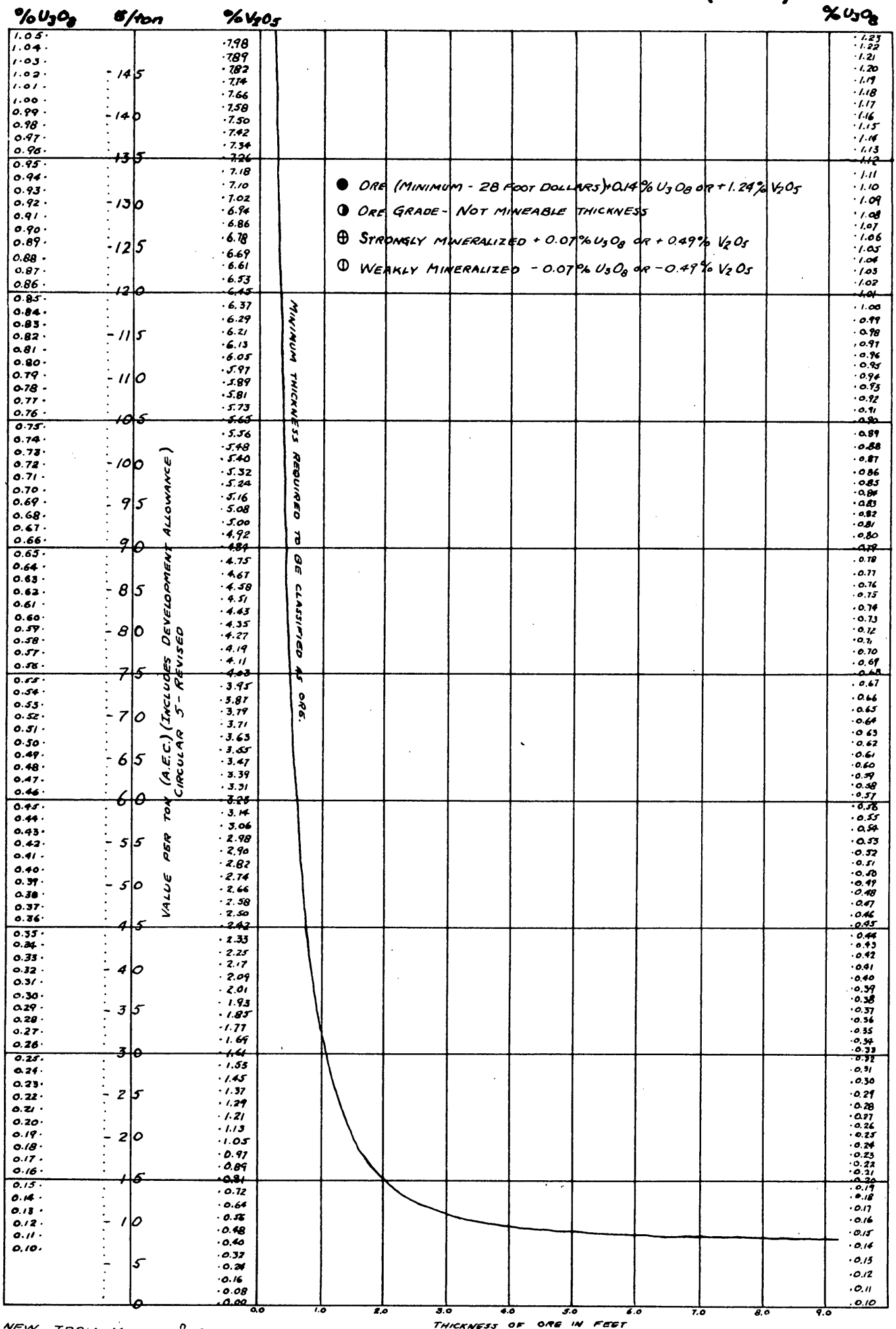
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead, Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~XXX~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 4
Total depth 604.0
Collar elev. 7410.6T

COORDINATES
North
East

Claim Hubbard Homestead
Date started July 23, 1958
Date completed July 24, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	530.0-596.8	66.8	Wh/Gn	Under OBSS 3.5 Gn	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	530.0						Plug	
530.0	532.4	2.4	SS	Gn	F	N	A int. Gn. MS	
532.4	554.4	22.0	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS	
554.4	556.7	2.3	MS	Gn		N		
556.7	574.5	17.8	SS	Wh	M-F	S	A Alt. Vol.; S Gn. MS Fms. and incls.; Massive	
574.5	596.8	22.3	SS	Wh/LGy	F-M	M	A Alt. Vol.; M Gn. MS Fms. and incls.; Lam.; X-bedded; Cbn. Fms. 585.5-587.9; Qtzc. at base	
596.8	600.3	3.5	MS/ST	Gn		N	M itbd. VF Qtzc. SS	
600.3	604.0	3.7	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1024~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ XX JS 5
Total depth: 595.0
Collar elev. 7398.1T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: July 24, 1958
Date completed: July 29, 1958

Summary of log: Favorable; OBSS: 535.0-581.8; Thick: 46.8; SS Color: Wh/Gn; MS: Under OBSS 4.2 Gn; Cbn: M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	525.0						Plug	
525.0	533.2	8.2	MS	R/Gn		N	Mot.; A itbd. LGy. Qtzc. SS	
533.2	535.0	1.8	MS/ST	Gn		N		
535.0	537.3	2.3	SS	Gn	F	N	A int. Gn. MS	
537.3	546.9	9.6	SS	Wh	F-M	N	A Alt. Vol.; M int. Gn. MS; Mass.	
546.9	547.3	0.4	MS	Gn		N		
547.3	571.2	23.9	SS	Wh	M	S	A Alt. Vol.; M int. Gn. MS; Mass.	
571.2	572.0	0.8	SS	Gy	F-M	M	S U Fms.; Lam.	66
572.0	581.8	9.8	SS	Wh	M	M	A Alt. Vol.; M Gn. MS Fms.; Lam.; Cbn. Fks. at 574.4	
581.8	586.0	4.2	MS/ST	Gn		N	A itbd. LGy. Qtzc. SS	
586.0	595.0	9.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
66	571.2	572.0	0.8	0.09	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ XX JS5

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4054~~ 4826
Contract Idm E-~~1072~~ 1181
Beaver Mesa ~~Johnnie Max Group~~

Type of Drill: Rotary

Drill-hole No. ~~XR~~ JS 6
Total depth: 615.0
Collar elev.: 7409.0T

COORDINATES
North:
East:

Claim: Hubbard Homestead
Date started: July 22, 1958
Date completed: July 23, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	535.7-607.8	72.1	Wh/Gy/Gn	Under OBSS 3.5 Gn	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	525.0						Plug	
525.0	532.5	7.5	MS	R/Gn		N	Mot.	
532.5	535.7	3.2	MS	Gn		N	A itbd. Wh. Qtzc. SS	
535.7	542.8	7.1	SS	Wh	F-M	S	A Alt. Vol.; S Cbn. Fks.; S Gn. MS Fms.; Massive	
542.8	543.6	0.8	SS	Gy	F-M	N	A Alt. Vol.; Bk. MS incls. at base	61
543.6	543.9	0.3	MS	Bk		?	Sandy at top; M bright red MS (Se?)	62
543.9	545.0	1.1	SS	Wh	F	N	A Alt. Vol.; Semi Qtzc.	
545.0	545.8	0.8	MS	Gn		N		
545.8	568.7	22.9	SS	Wh/LGy	F-M	S	A Alt. Vol.; A int. Gn. MS at top; S Gn. MS Fms.; Massive	
568.7	586.7	18.0	SS	LGn/Wh	F-MF	M	A Alt. Vol.; A int. Gn. MS & Gn. MS Fms.; Lam.; A Gn MS incls.	
586.7	586.9	0.2	ST	Gn		N		
586.9	591.6	4.7	SS	LGn/Wh	F-MF	S	A Alt. Vol.; A int. Gn. MS	
591.6	592.0	0.4	SS	DGy	F-MF	N		63
592.0	601.2	9.2	SS	LGn/Wh	F-MF	N	A Alt. Vol.; A int. Gn. MS	
601.2	602.1	0.9	SS	LGy	VF-F	M		
602.1	605.0	2.9	SS	Wh	M	N	A Alt. Vol.	
605.0	607.8	2.8	SS	LGy	F	N	A Alt. Vol.; Semi-Qtzc.	
607.8	611.3	3.5	MS/ST	Gn		N	A itbd. LGy Qtzc. SS	
611.3	615.0	3.7	MS/ST	R/Gn		N	Mot.; M itbd. Gy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
61	542.8	543.6	0.8	0.01	0.02	
62	543.6	543.9	0.3	0.09	0.13	
63	591.6	592.0	0.4	Tr	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~XR~~ JS6

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~444~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ XX JS 7
Total depth 595.0
Collar elev. 7419.8T

COORDINATES
North
East

Claim Hubbard Homestead
Date started July 19, 1958
Date completed July 22, 1958

Summary of log: Favorable; OBSS 541.0-585.9; Thick 44.9; SS Color Wh/Gy; MS Under OBSS 0.5 Gn; Cbn M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	535.0						Plug	
535.0	541.0	6.0	MS	R/Gn		N	Mot.; M itbd. R Qtzc. SS	
541.0	543.4	2.4	SS	LGn	F	N	A int. Gn. MS	
543.4	543.5	0.1	MS	Gn		N		
543.5	544.7	1.2	SS	Gn	F	N	A int. Gn. MS	
544.7	545.0	0.3	ST	Gn		N	Calc.	
545.0	563.9	18.9	SS	Wh	F-M	S	A Alt. Vol.; Semi-Friable; S int. Gn. MS; Massive	
563.9	564.5	0.6	SS	Bk	VF-F	?	Partly contorted; Lam.	64
564.5	565.3	0.8	SS	Gy	VF-F	M	Fossil wood; Lam.	65
565.3	568.4	3.1	SS	LGy	M	M	Fossil wood at top; A Alt. Vol.; Semi-friable; Massive	
568.4	568.6	0.2	MS	Gn		N		
568.6	570.0	1.4	SS	LGy	F	N	Qtzc.	
570.0	570.4	0.4	MS	Gn		N		
570.4	570.9	0.5	SS	LGy	F	N		
570.9	571.3	0.4	ST	DGn		?		
571.3	580.7	9.4	SS	Wh	F	N	M Alt. Vol.; Semi-Qtzc.; Mass.	
580.7	585.9	5.2	SS	Wh	M-F	N	A Alt. Vol.; Massive	
585.9	586.4	0.5	MS	Gn		N		
586.4	595.0	8.6	MS	R/Gn		N	Mot.; A itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
64	563.9	564.5	0.6	0.11	0.26	
65	564.5	565.3	0.8	0.03	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ XX JS7

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4047~~ 4826
Contract Idm E-~~1071~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 10
Total depth 598.0
Collar elev. 7409.9T

COORDINATES
North
East

Claim Hubbard Homestead
Date started July 16, 1958
Date completed July 19, 1958

Summary of log: Favorable; OBSS 539.6-586.5; Thick 46.9; SS Color Wh; MS Under OBSS 1.6 Gn; Cbn A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	530.0						Plug	
530.0	535.1	5.1	MS	R/Gn		N	Mot.; A itbd. Gy. Qtzc. SS	
535.1	539.6	4.5	MS/ST	Gn		N	Sandy; A itbd. Gy/Wh. Qtzc. SS	
539.6	540.9	1.3	SS	Gn	VF-F	N	A itbd. Gn. MS	
540.9	559.3	18.4	SS	Wh	F-M	N	A Alt. Vol.; S int. Gn. MS; Semi Qtzc. at top; Massive	
559.3	559.6	0.3	SS	Wh	F	N		
559.6	586.5	26.9	SS	Wh	M-F	A	A Alt. Vol.; A Cbn. Fks. & Fms. from 563.6-564.9; Fossil wood & Cbn. Fks. at 569.3; S Gn. MS Fms. M Cbn. Fks. & Fms. from 570.0 to 578.0	
586.5	588.1	1.6	MS/ST	Gn		N	M itbd. contorted Qtzc. VF SS	
588.1	598.0	9.9	MS/ST	R/Gn		N	Mot.; Itbd. Gy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JK~~ JS10

New Idria Mining & Chemical Company

DRILL HOLE LOG

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~XXX~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~XX~~ JS 12
Total depth: 621.0
Collar elev. 7428.1T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: July 7, 1958
Date completed: July 9, 1958

Summary of log: Favorable; OBSS: 568.0-609.7; Thick: 41.7; SS Color: Wh/Gy; MS Under OBSS: 3.2Gn; Cbn: N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	565.0						Plug	
565.0	568.0	3.0	MS	R/Gn		N	Mot.; A itbd. LR & Wh. Qtzc. SS	
568.0	570.5	2.5	SS	Gn	F	N	A itst. Gn. MS	
570.5	589.5	19.0	SS	Wh/LGy	F-M	N	A Alt. Vol.; M int. Gn. MS; S Gn MS fms.; Massive	
589.5	590.8	1.3	SS	LGy	F-M	N	A Alt. Vol.; S Gn. MS Fms. at top; X-bedded	54
590.8	591.5	0.7	SS	Gy	F-M	N	M U spots	55
591.5	592.7	1.2	SS	Gy	F-M	N	Spotted; Lam.	56
592.7	609.7	17.0	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS Fms. & incls.; Massive; Semi-Qtzc. at base	
609.7	612.9	3.2	MS	Gn		N	A itbd. Wh. Qtzc. SS; S itbd. LS	
612.9	621.0	8.1	MS	R/Gn		N	Mot.; M itbd. LR Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
54	589.5	590.8	1.3	0.01	0.07	
55	590.8	591.5	0.7	0.08	0.09	
56	591.5	592.7	1.2	0.04	0.07	

Abbreviations

Wh—White
Br—brown
R—red
Gy—gray
Bl—blue
Gn—green
Yw—yellow
Bk—black
Pp—purple
Cbn—carbon
OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

CG—conglomerate
SS—sandstone
MS—mudstone
ST—siltstone
F—fine
M—medium
C—coarse
N—none
S—sparse
A—abundant

CH—chert
Lim—limonite
Qtz—quartzite
Fk—flakes
Sm—seams
P—pebbles
L—light
D—dark
Ls—limestone
Mot—mottled

Hole No. ~~XX~~ JS12

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXX~~ 4826
Contract Idm E-~~XXX~~ 1181
Beaver Mesa ~~Johnson Mine Group~~

Type of Drill Rotary

Drill-hole No. ~~XX~~ JS 13
Total depth 613.0
Collar elev. 7434.4T

COORDINATES
North
East

Claim Hubbard Homestead
Date started July 11, 1958
Date completed July 16, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	565.0-608.3	43.3+	Wh/Gy	Under OBSS 2.0 Gn	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	565.0						Plug	
565.0	582.0	17.0	SS	Wh	F-M	N	A Alt. Vol.; A int. Gn. MS at top; S Gn. MS incls.; Friable at base; Massive	
582.0	588.5	6.5	SS	LGy	M-F	M	A Alt. Vol.; A Gn. MS Fms. & incls.; X-bedded; Cbn Fks. in Gn. MS Fms.	
588.5	588.8	0.3	SS	Gy	M-F	A	A Alt. Vol.; A Gn. & Bk. MS Fms.	57
588.8	590.4	1.6	SS	LGy	M-F	N	A Alt. Vol.; M Gn. MS Fms.; X-bedded	
590.4	593.7	3.3	SS	LGy/Wh	F	N	A Alt. Vol.	
593.7	595.9	2.2	SS	Wh/LGn	F-VF	N	M int. Gn. MS	
595.9	600.5	4.6	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS Fms.	
600.5	600.8	0.3	ST	Bk		?	Sandy & Lam. at base	58
600.8	601.6	0.8	SS	Gy	F	A	A Cbn. Fms.; 0.1 Bk. St. at bottom	59
601.6	608.3	6.7	SS	Wh	F-M	M	A Alt. Vol.; S Gn. & Bk. MS incls.; Cbn. pieces at 602.4	
608.3	610.3	2.0	MS	Gn		N		
610.3	613.0	2.7	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
57	588.5	588.8	0.3	0.01	0.21	
58	600.5	600.8	0.3	0.02	0.04	
59	600.8	601.6	0.8	0.01	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~XX~~ JS13

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~DMX~~ 4826
Contract Idm E-~~DMX~~ 1181
Beaver Mesa ~~Johnson Mac Group~~

Type of Drill: Rotary

Drill-hole No. ~~XR~~ JS 14
Total depth: 635.0
Collar elev. 7441.8T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: July 9, 1958
Date completed: July 11, 1958

Summary of log: Favorable; OBSS: 585.2-624.0; Thick: 38.8; SS Color: Wh/Gy; MS: Under OBSS 3.5 Gn; Cbn: M

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	575.0						Plug	
575.0	580.9	5.9	MS	R/Gn		N	Mot.; S itbd. LGy. Qtzc. SS	
580.9	585.2	4.3	MS/ST	Gn		N	M itbd. LGy. Qtzc. SS; Sandy at base	
585.2	610.5	25.3	SS	Wh	F-M	N	A Alt. Vol.; S int. Gn. MS; Gn. at top; Partly friable; Massive; S Gn. MS Fms. at base	
610.5	610.7	0.2	MS	Gn		N	Sandy	
610.7	612.6	1.9	SS	Wh	F	S	A Alt. Vol.; S Gn. MS incls.; Partly x-bedded; Cbn. Fms. at base	
612.6	612.7	0.1	SS	Wh	F	M	S U Fms.; M int. Bk. St.	60
612.7	624.0	11.3	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS Fms.; Partly x-bedded; Massive	
624.0	627.5	3.5	MS	Gn		N	A itbd. LS	
627.5	635.0	7.5	MS	R/Gn		N	Mot.; Sandy and contorted at top	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
60	612.6	612.7	0.1	Trace	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXX~~ 4826
Contract Idm E~~XXXX~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ XX JS 26
Total depth 340.0
Collar elev. 7158.7T

COORDINATES
North
East

Claim Johnnie Mae No. 3
Date started July 1, 1958
Date completed July 3, 1958

Summary of log	OBSS	Thick	SS Color	MS	Under OBSS	Cbn
Favorable	293.6-331.3	37.7	Wh	R		S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	290.0						Plug	
290.0	292.3	2.3	MS	R		N		
292.3	293.6	1.3	MS	Bk/Gn		?	Pet. Res.?	
293.6	295.9	2.3	SS	Gn	F	N		
295.9	307.7	11.8	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms.	
307.7	314.0	6.3	SS	Wh	F	N	A Alt. Vol.	
314.0	314.3	0.3	MS	Gn		N	Sandy	
314.3	320.2	5.9	SS	Wh	F-M	N	A Alt. Vol.; LBr. at base	
320.2	320.6	0.4	SS	Gn	VF	S	Fossil wood at base	
320.6	326.8	6.2	SS	Wh	M	N	A Alt. Vol.; Br. at top; S Gn. MS incls.	
326.8	327.0	0.2	MS	Gn		N		
327.0	329.3	2.3	SS	Wh	M	N	A Alt. Vol.	
329.3	331.3	2.0	SS	LGn/Wh	VF-F	S	A itbd. Wh. F Semi-Qtzc. SS; A Gn. MS Fms. & ints.; Cbn. Fks. at 330.8	
331.3	340.0	8.7	MS	R/Gn		N	Mot.; S itbd. Gy. & Pp. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ XX JS26

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4194~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 40
Total depth 318.0
Collar elev. 7114.9T

COORDINATES
North
East

Claim Johnnie Mae No. 3
Date started July 1, 1958
Date completed July 1, 1958

Summary of log: Favorable; OBSS: 262.5-311.2; Thick: 48.7; SS Color: Wh; MS Under OBSS: R; Cbn: S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	260.0						Plug	
260.0	262.5	2.5	MS	R		N	A itbd. LGy. & Pp. Qtzc. SS; Sandy	
262.5	272.5	10.0	SS	Wh	F	N	A Alt. Vol.; LGn. at top; VF at base	
272.5	286.3	13.8	SS	Wh	M-F	S	A Alt. Vol.; S Gn. MS Fms.; Cbn. Fks. at 282.7	
286.3	286.5	0.2	MS	Gn		N		
286.5	287.1	0.6	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS Fms.	
287.1	287.2	0.1	MS	Gn		N		
287.2	306.3	19.1	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms.; Massive	
306.3	306.5	0.2	MS	Bk/Gn		?		
306.5	311.2	4.7	SS	Wh	F	N	A Alt. Vol.; M Gn. MS Fms.; Partly x-bedded & Lam.; Qtzc. at base	
311.2	318.0	6.8	MS	R		N	M itbd. LR & Pp. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JK~~ JS40

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 4

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~400X~~ 4826

CONTRACT Idm E~~XXXX~~ 1181

Date Probed July 21, 1958 Probed By JW

Plug Depth 530.0' Core Interval 74.0'

Total Depth 604.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 604.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	530.0	5	0.01	0.00
530.0	604.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 4

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 5

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed July 29, 1958 Probed By JW

Plug Depth 525.0' Core Interval 70.0'

Total Depth 595.0'

Type of Probe Unit Used Babbel #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 595.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	525.0	5	0.02	0.00
525.0	533.5	5	0.02	0.00
533.5	534.0	5	0.08	0.02
534.0	534.5	5	0.12	0.03
534.5	570.0	5	0.02	0.00
570.0	570.5	5	0.12	0.03
570.5	571.0	5	0.30	0.08
571.0	572.5	5	0.39	0.10
572.5	573.0	5	0.15	0.04
573.0	595.0	5	0.02	0.00

RESULTS Some count shown in the MS above the OBSS.

HOLE NO. ~~JR~~ JS 5

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 6

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4494~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed August 1, 1958 Probed By JW

Plug Depth 525.0' Core Interval 90.0'

Total Depth 615.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 615.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	525.0	5	0.01	0.00
525.0	541.0	5	0.01	0.00
541.0	542.0	5	0.12	0.03
542.0	615.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 6

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 7

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4004~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed August 5, 1958 Probed By JW

Plug Depth 535.0' Core Interval 60.0'

Total Depth 595.0'

Type of Probe Unit Used Babbel Counter #879 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.00' To 595.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	535.0	5	0.00	0.00
535.0	561.0	5	0.01	0.00
561.0	562.0	5	0.04	0.01
562.0	562.5	5	0.20	0.05
562.5	563.0	5	0.09	0.02
563.0	595.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 7

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 10

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4004~~ 4826

CONTRACT Idm E-~~1004~~ 1181

Date Probed August 1, 1958 Probed By JW

Plug Depth 530.0' Core Interval 68.0'

Total Depth 598.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 598.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	530.0	5	0.01	0.00
530.0	598.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 10

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~NX~~ JS 12

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4XXX~~ 4826
CONTRACT Idm E-~~X074~~ 1181

Date Probed August 1, 1958 Probed By JW

Plug Depth 565.0' Core Interval 56.0'

Total Depth 621.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 621.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	430.0	5	0.01	0.00
430.0	431.0	5	0.06	0.02
431.0	432.0	5	0.10	0.03
432.0	433.0	5	0.60	0.15
433.0	434.0	5	0.30	0.08
434.0	435.0	5	0.10	0.03
435.0	436.0	5	0.06	0.02
436.0	565.0	5	0.01	0.00
565.0	621.0	5	0.01	0.00

RESULTS Some radioactivity was found in the Brushy Basin member and the driller reported a sandy section at this interval. No count could be found at the sample interval.

HOLE NO. ~~NX~~ JS 12

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 13

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4304~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed August 1, 1958 Probed By JW

Plug Depth 565.0' Core Interval 48.0'

Total Depth 613.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 613.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	565.0	5	0.01	0.00
565.0	613.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JX~~ Js 13

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 14

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXXX~~ 4826

CONTRACT Idm E-~~XXXX~~ 1181

Date Probed August 5, 1958 Probed By JW

Plug Depth 575.0' Core Interval 60.0'

Total Depth 635.0'

Type of Probe Unit Used Babbel Counter #870 with 1000' reel and probe. Std. 50/4 scale.

Probed—From 0.0' To 635.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	575.0	5	0.01	0.00
575.0	635.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 14

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 26

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4XXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed July 5, 1958 Probed By JW

Plug Depth 290.0' Core Interval 50.0'

Total Depth 340.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 340.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
0.0	290.0	5	0.02	0.00
290.0	340.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 26

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 40

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXX~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed July 2, 1958 Probed By JW

Plug Depth 260.0' Core Interval 58.0'

Total Depth 318.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 0.0' To 318.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
0.0	260.0	5	0.01	0.00
260.0	318.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 40

DATE	INITIALS	CODE
8/20	[illegible]	285.
"	[illegible]	110
8/21	[illegible]	700

FINAL DISTRIBUTION MADE AUG 18 1958

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

[redacted]

Date: [redacted]
Payee's Reference: [redacted]

DMEA-48v6

[redacted]

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

Amount Claimed $ [redacted]

Difference $ [redacted]

Amount Approved $ [redacted]

The reason for the difference was due to:

[redacted]

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

Very sincerely yours,

[redacted]
Audit Section

[redacted]

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

224 New Customhouse
Denver 2, Colorado

August 13, 1958

Memorandum

To: T. A. Christensen

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4826 (Uranium) Contract Idm-R1181, New Idria Mining and Chemical Company, Agent (Hubbard Homestead, Pack Rat, et al. claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of June 1958

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.

The work is being performed partly under independent subcontract and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

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. Payment is recommended for 75 percent of the amount reported on Form MF-104 for June 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except as follows:

The Operator's total of reported hours for Stage I bulldozing has exceeded the maximum by 15 hours; therefore, the reported costs for the excess bulldozing are disallowed as follows:

<u>Disallow</u>

15 hours of bulldozing at $12.00 per hour --------- $180.00

Reconciliation with Amount Reported by the Operator on Form MF-104 for June 1958

Amount reported on Form MF-104 for June 1958 ----------	$15,843.78
Amount to be disallowed ----------	180.00
Acceptable cost for June 1958 ----------	$15,663.78
Government participation at 75 percent ----------	$11,747.84

REMARKS:

Date of Report ---------- July 16, 1958
Date Received in Field Office---------- July 21, 1958
Date Received in Region Office ---------- August 11, 1958

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

MEM:jy

cc: Chm. Op. Comm. (2)
IBMA,BFC
MF-104 File, Reg. III
Harshman)
Hasler) w/copy of Engr's report
IBMA,G.Jct.)
Cooper)
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
AUG 11 1958
REGION III
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

August 8, 1958

Memorandum

To: Alternate Acting Executive Officer, DMEA Field Team, Region III

From: H. F. Robertson

Subject: Docket No. DMEA 4826 (Uranium) Contract Idm-X 1181, Star Mica Mining & Chemical Company, Agent (Hubbard, Homestead, Rock Hat, et al claims) Mesa County, Colorado. Progress report for June 1958.

Work continued on the first stage of the program during the month of June. A progress inspection was made on July 10, 1958, by H. F. Robertson, accompanied by George Hazlett, the operator's geologist supervisor.

The operator's claim (received at Grand Junction on July 21, 1958) covers the costs incurred in the completion of 4,366 feet of non-core drilling and 1,082 feet of core drilling in 16 Stage I drill holes as follows:

Actual Cost Items

Independent Contracts		
Non-core drilling		
0-300 feet,	3,935 feet at $2.00/ft.	$ 7,870.00
300-600 feet,	431 feet at $2.10/ft.	905.10
Core drilling		
0-400 feet,	848 feet at $4.40/ft.	3,696.00
400-600 feet,	222 feet at $4.50/ft.	1,000.50
Standby time,	16 hours at $12.00/hr.	192.00
Bulldozing,	69 hours at $12.00/hr.	828.00
Miscellaneous items		
Chemical analyses,	85 samples at $5.00 ea.	185.00
Fixed Unit Cost Items		
Incidental allowance,	5,428 feet at $0.21/ft.	1,139.88
Total claimed for June 1958		$ 15,843.78

The claimed amounts in each category are supported by copies of the respective invoices. The drilling footage claimed is in agreement with the invoiced footage and with the footages reported on the geologic logs.

The locations of the completed holes were checked in the field and are as shown on the map accompanying the operator's claim. The work was done in conformance with contract specifications as to core size, cored interval, and penetration of the underlying red mudstone.

None of the 16 holes completed during June could be classed as "core holes"; two holes, JS-17 and JS-27, were mineralized; and two holes, JS-23 and JS-36, contained traces of uranium mineralization. The operator is currently completing authorized Stage I holes and has requested the Government's approval of 23 Stage II holes.

The operator submitted in quintuplicate a signed narrative report with progress map, NF-104, NF-104A, geologic logs, and radiometric probing results. One copy each of assay certificates (4) and invoices for drilling, bulldozing, and chemical analyses accompanied the claim for June 1955.

The monthly and cumulative totals on the NF-104 forms are correct and within contract maximums with the exception of the bulldozer work. A total of 95 hours bulldozing time has been claimed, whereas the maximum amount authorized under Stage I is only 80 hours. A disallowance of 15 hours at $ 12.00 per hour is recommended by the inspecting engineer. Reinstatement of the amount disallowed may be possible providing the maximum bulldozing time authorized under Stage II is not required.

Payment of $11,747.84, representing 75 percent of the claimed amount, $15,643.78 less $180.00 (excessive bulldozing charge), is recommended by the inspecting engineer.

H. F. Robertson

H. F. Robertson
Mining Engineer

Table I.--Summary of drilling results - June 1958
New Idria Mining & Chemical Company
DMMA Pocket [illegible] Contract IMa-8 1181

Hole No.	Drilling Footage: Core	Drilling Footage: Non-core	Drilling Footage: Total	Mineralization: Mercury: Interval	Mercury: % Hg	Mercury: Interval	Mercury: % U3O8	Mercury: % V2O5
28-16	79	369	439	Barren		407.3-407.4	Tr.	0.04
28-17	77	360	437	358.5-359.0	Tr.	360.0-360.6	0.09	0.08
				359.0-359.5	0.01	360.6-362.0	0.03	0.06
				359.5-360.0	0.08	362.0-363.0	0.06	0.27
						373.1-373.6	0.03	0.35
						384.5-385.8	Tr.	0.03
						397.7-398.0	0.04	0.03
28-18	65	364	429	Barren		410.8-411.1	None	0.02
						411.1-412.3	None	0.01
28-19	66	356	422	Barren		—	—	—
28-20	60	380	440	Barren		—	—	—
28-21	79	395	474	Barren		431.3-431.6	Tr.	0.03
28-22	56	317	373	Barren		343.3-344.1	0.01	0.06
						344.1-345.0	Tr.	0.02
						349.1-349.8	Tr.	0.01
						358.5-360.6	0.01	0.02
28-23	88	160	248	Barren		—	—	—
28-25	75	230	305	Barren		285.6-286.0	0.04	0.05
						286.0-287.5	None	0.01
						287.5-289.2	Tr.	0.02
						289.2-292.0	None	0.02
						292.0-292.6	0.01	0.03
						316.8-320.4	None	0.03
28-27	60	250	310	Barren		256.8-256.5	0.07	0.05
						256.5-258.7	0.01	0.02
28-28	60	215	275	Barren		253.3-253.4	None	0.05
28-29	45	250	295	Barren		—	—	—
28-36	60	155	215	Barren		196.8-197.7	0.03	0.12
28-37	70	250	320	Barren		—	—	—
28-38	70	150	220	Barren		—	—	—
28-39	70	155	225	Barren		211.3-211.4	Tr.	0.06
Totals	1,062	4,366	5,428					

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 JUNE, 195 8 Docket No. DMEA 4826 Contract No. IDM L-1181

Operator's Name NEW INDIA MINING AND CHEMICAL COMPANY, AGENT Minerals URANIUM

Address POST OFFICE BOX 311, GRAND JUNCTION, COLORADO

Contract Amount, $ 102,620.00 Government Participation: 75% Amount, $ 76,965.00

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 Contractors:		STAGE 1				
Drilling NON CORE	7,870.00	3,540.00	11,410.00			
Bulldozing NON CORE	905.10	46.20	951.30			
Crosscutting CORE	3,696.00	2,252.80	5,948.80			
Drifting CORE	1,007.80		1,007.80			
BULLDOZING	828.00	312.00	1,140.00			
(2) Labor and Supervision:						
Labor ASSN STANDBY TIME	192.00	84.00	276.00			
Supervision INDIRECT VAL. ALLOW.	1,139.88	483.84	1,623.72			
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	125.00	140.00	265.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	15,843.78	6,858.84	22,702.62	15,633.78	6,858.84	22,522.62

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

Date JULY 16/58 *Payee NEW INDIA MINING AND CHEMICAL COMPANY, AGENT

Per Wesley Shaikunk Title ASSISTANT TREASURER

*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:

$ 11,747.84

Signature RRO
(Authorized Certifying Officer)

Date 8-15-58 Vou. No. DMA-59-19

(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-E1181 in accordance with the terms of the contract.

Signature N. J. Robertson $11,747.84 Title Mining Engr. Date 8/8/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Alternate acting

Signature [illegible] Title Executive Officer Date AUG 13 1958

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 JUN 1958 Docket No. DMEA 826 Contract No. Im L-1181
Operator's Name NEW IONIA MINING AND CHEMICAL COMPANY, AGENT Minerals URANIUM
Address POST OFFICE BOX 311, GRAND JUNCTION, COLORADO

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
MINING			STAGE 1					
CONCENTRATING								
MILLING								
SAMPLING								
WORK DRILLING: CORE	FOOT	3,696.00	840	5,948.80	1,352	4.40	1,515	4.40
MINING: Core	"	1,097.80	222	1,097.80	222	4.90	1,280	4.90
ROTATION CORE	"	7,070.00	3535	11,410.00	5,705	2.00	11,175	2.00
ROTATION CORE	"	905.10	431	951.30	453	2.10	4,145	2.10
SAMPLE BULLDOZING	HOUR	828.00	69	1,140.00	95	12.00	80	12.00
MINERALOGY STANDBY TIME	"	192.00	16	276.00	23	12.00	40	12.00
MINERAL ANALYSIS	EACH	125.00	25	265.00	53	5.00	100	5.00
Roads and Trails								
INCIDENTAL ALLOWANCE	FOOT	1,139.88	5428	1,623.72	7,732	.21	18,380	.21
TOTAL DISTRIBUTED COSTS		15,843.78		22,702.62				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		15,843.78		22,702.62				

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 JULY 16, 1958 Operator NEW IONIA MINING AND CHEMICAL COMPANY, AGENT

Per [signature] Title ASSISTANT TREASURER

REMARKS: H. G. R.

→ 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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

July 12, 1958

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for June, 1958

Dear Mr. Harshman:

The first stage of drilling on the above numbered contract was continued during the month of June, 1958, and a total of 16 holes were completed (A total of 23 holes completed on first stage of 40 holes to end of June, 1958). 5,428 feet of drilling was done and 4,366 feet was non-core and 1,062 feet was core drilling.

The drilling did not produce the results hoped for, however, all holes were favorable and there were four mineralized holes. JS-17 and JS-27 were strongly mineralized and JS-25 and JS-36 were weakly mineralized.

Water was encountered in all holes with the exception of JS-36 and JS-38 which were dry. Trouble was encountered in only one hole, JS-21, which caved and the original hole was lost with 40 feet of casing. The hole was off-set a few feet and completed.

Surveying and dozer work to complete all 40 of the first stage locations was finished during the month.

The following table gives the pertinent data on the 16 holes drilled during the month of June, 1958.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U3O8	V2O5	Classification
JS-16	6-18	6-20	369	70	439	0.1	Tr	0.04	Favorable
JS-17	6-11	6-12	360	77	437	0.6	0.09	0.02	Favorable
						1.4	0.03	0.06	
						1.0	0.06	0.27	
						0.5	0.03	0.55	
						2.3	Tr	0.03	
						0.3	0.04	0.03	

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - Box 311, Grand Junction, Colorado

Continued - Letter to Mr. E. N. Harshman re monthly report on drilling for June, 1958, Docket No. DMEA-4826 (Uranium), Contract No. Idm-E1181, Hubbard Homestead, Pack Rat, et al., Claims, Mesa County, Colorado.

Hole	Date Started	Date Completed	Non-Core	Core	Total	Mineralization Thick	U308	V205	Classification
JS-18	6-10	6-11	364	65	429		Barren		Favorable
JS-19	6-6	6-7	356	66	422		Barren		Favorable
JS-20	6-8	6-9	380	60	440		Barren		Favorable
JS-21	6-5	6-22	385	70	455	0.3	Tr	0.03	Favorable
JS-22	6-22	6-23	317	56	373	0.8	0.01	0.04	Favorable
						0.9	Tr	0.02	
						0.7	Tr	0.01	
						0.1	0.01	0.02	
JS-23	6-17	6-18	160	88	248		Barren		Favorable
JS-25	6-13	6-13	250	75	325	0.4	0.04	0.05	Favorable
						1.5	None	0.01	
						1.7	Tr	0.02	
						2.8	None	0.02	
						0.6	0.01	0.03	
						3.6	None	0.03	
JS-27	6-4	6-5	250	60	310	0.3	0.07	0.05	Favorable
						2.2	0.01	0.02	
JS-28	6-26	6-26	215	60	275		Barren		Favorable
JS-29	6-26	6-27	250	45	295		Barren		Favorable
JS-36	6-24	6-24	155	60	215	0.9	0.03	0.12	Favorable
JS-37	6-30	6-30	250	70	320		Barren		Favorable
JS-38	6-24	6-25	150	70	220		Barren		Favorable
JS-39	6-25	6-26	155	70	225	0.1	Tr	0.06	Favorable
	Totals		4366	1062	5428				

Very truly yours,

NEW IDRIA MINING & CHEMICAL CO.

Dean Nicholson

Dean Nicholson

NEW IDRIA MINING & CHEMICAL COMPANY

CLASSIFICATION OF DRILL HOLES

BEAVER MESA AREA

Docket DMEA 4826
Contract No. Idm-E1181
Hubbard, Pack Rat, et al.
Mesa County, Colorado

Hole No.	Thickness OBSS	Green MS & ST in Contact With OBSS				Carbon	POINTS			No. Rating	Classification
		Above	Within	Base	Total		Thickness	Gn Ms	Cbn		
JS 16	64.2		4.8	0.8	5.6	M	7	7	3	17	Favorable
JS 17	67.5		5.5		5.5	A	7	7	4	18	Favorable
JS 18	52.6	1.8	0.5	2.0	4.3	A	7	7	4	18	Favorable
JS 19	52.9	2.7		2.8	5.5	N	7	7		14	Favorable
JS 20	43.1		0.2	7.2	7.4	M	7	7	3	17	Favorable
JS 21	52.2	3.4	2.1	5.0	10.5	S	7	7	2	16	Favorable
JS 22	45.6		0.6	1.1	1.7	A	7	½	4	11½	Favorable
JS 23	81.8		0.2	2.1	2.3	A	7	5	4	16	Favorable
JS 25	66.0		4.8	1.8	6.6	A	7	7	4	18	Favorable
JS 27	58.4		14.1	0.6	14.7	A	7	7	7	21	Favorable
JS 28	47.1		0.5		0.5	S	7	2	2	11	Favorable
JS 29	41.4					A	7		4	11	Favorable
JS 36	46.9		0.6	4.8	5.4	M	7	7	3	17	Favorable
JS 37	46.6					M	7		3	10	Favorable
JS 38	47.0			0.7	0.7	N	7	3		10	Favorable
JS 39	48.2		0.4	1.8	2.2	M	7	5	3	15	Favorable

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

SCHEDULE FOR RATING OF DRILL HOLES

Beaver Mesa Area
(From pattern schedule by Julian Simpson)

I Thickness of OBSS (Ore bearing sandstone)

Feet Thick	Points
0-10	0
11-15	1
16-20	2
21-25	3
26-30	4
31-35	5
36-40	6
41-or more	7

II Amount of Altered Mudstone in Contact with OBSS

Feet Thick	Points
0.0 - 0.1	0
0.2 - 0.3	1
0.4 - 0.5	2
0.6 - 0.7	3
0.8 - 1.0	4
1.1 - 2.5	5
2.6 - 3.9	6
4.0 or more	7

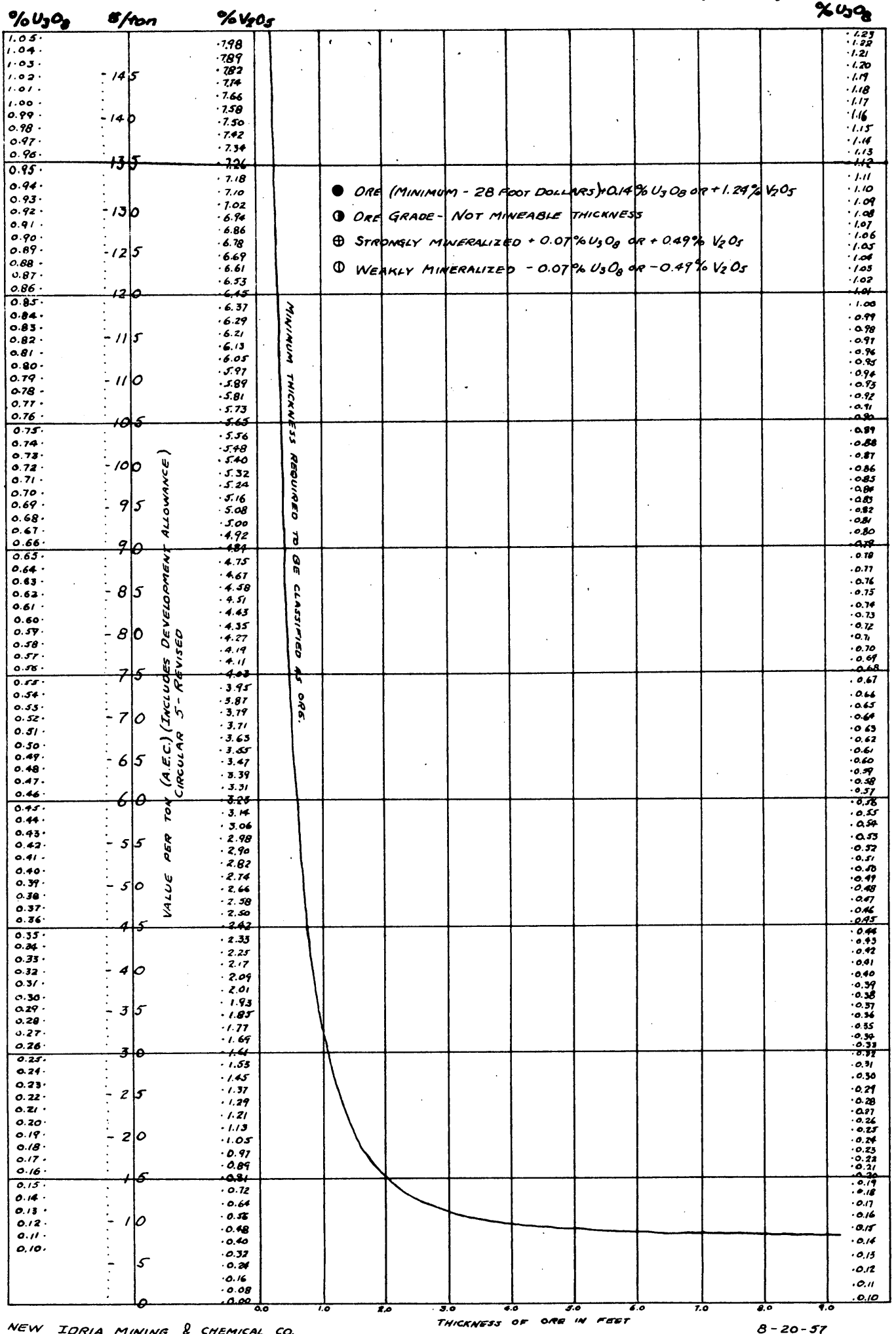
III Amount of Carbon

Description	Rating
None	0
Sparse	2
Moderate	3
Abundant	4

Interpretation of Ratings - Add the points in the three (3) items above and compare sum with the following classification.

0 - 5 Unfavorable
6 - 9 Semi-favorable
10 or more Favorable

GRAPH FOR VALUE PER TON OF ORE (A.E.C.)



NEW IDRIA MINING & CHEMICAL CO.
URANIUM DIVISION

8-20-57

FROM A.W.G.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311
Grand Junction, Colorado

August 20, 1957

EXPLANATION AND EXAMPLES FOR USING:

"GRAPH FOR VALUE PER TON OF ORE (A.E.C.)"

1. To determine the value per ton of ore: Place a straight edge on the U308 grade in the left hand % U308 column and place the other end of the straight edge on the V205 grade in the %V205 column, then read the value per ton where the straight edge crosses the left hand $/ton column.

   Example: 0.30% U308 and 2.50% = $41.00/ton (Incl. Dev. Allow.)

2. to determine whether a drill hole can be classified as an ore hole: Place one end of the straight edge on the U308 grade in the right hand % U308 column and the other end of the straight edge on the V205 grade in the %V205 column and note where the straight edge crosses the right hand $/ton column. Place the straight edge horizontal so that one end is on the value in the $/ton column and mark the point where the straight edge intersects the line marked "Minimum thickness required to be classified as ore", then by dropping vertically the thickness required may be determined.

   Example: Using 0.18% U308 and 1.37% V205, a thickness of 1.6 feet is needed.

   A minimum of 28 foot dollars is required to make an ore hole.

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division - P.O. Box 311, Grand Junction, Colorado

Docket DMEA 4826 - Contract No. Idm-E1181 - Hubbard Homestead,
Pack Rat, Et Al.

D R I L L H O L E L O G S - C O L O R C O D E

-- Yellow - SS - While, Light Gray, Brown, Gray, Green

-- Brown - MS - Red, Red & Green Mot.

-- Orange - SS - Red, Light Red

-- Green - MS - Green, Blue, Black or Gray

-- Red - Mineralized or Sampled Interval

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4892~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 16
Total depth: 439.0
Collar elev: 7320.8T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: June 18, 1958
Date completed: June 20, 1958

Summary of log: Favorable; OBSS: 352.0-433.2; Thick: 64.2+; SS Color: Wh; MS: Under OBSS 0.8; Cbn: N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	369.0						Plug	
369.0	407.3	38.3	SS	Wh	F-M	S	A Alt. Vol.; S int. Gn. MS; S Gn. MS incls.	
407.3	407.4	0.1	MS	Bk		?		52
407.4	410.1	2.7	MS	Gn		N		
410.1	415.4	5.3	MS	R/Gn		N	Mot.	
415.4	417.5	2.1	MS/ST	Gn		N		
417.5	418.4	0.9	SS	Wh	F	N	A Alt. Vol.	
418.4	419.0	0.6	SS	LGn	VF-F	N	A Bk. MS Fms.	
419.0	433.2	14.2	SS	Wh	F-M	N	A Alt. Vol.; Cbn. Flks. 419.4-419.7	
433.2	434.0	0.8	MS	Gn		N		
434.0	439.0	5.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
52	407.3	407.4	0.1	Trace	0.04	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS16

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4394~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 17
Total depth: 437.0
Collar elev: 7204.7T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: June 11, 1958
Date completed: June 12, 1958

Summary of log: Favorable; OBSS: 360.0-427.5; Thick: 67.5 plus; SS Color: ; MS: Under OBSS R; Cbn: A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	360.0						Plug	
360.0	360.6	0.6	SS	Bk	F	?		39
360.6	362.0	1.4	SS	LGy	F	N		40
362.0	363.0	1.0	SS	Gy	F	N	X-bedded; S U spks.	41
363.0	373.1	10.1	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms.	
373.1	373.6	0.5	SS	Gy	F-M	N	M Gn. MS incls.; A Alt. Vol.	42
373.6	384.5	10.9	SS	Wh	F-M	M	A Alt. Vol.; S int. Gn. MS; Cbn.	
							fks. at 379.5	
384.5	386.8	2.3	MS	Bk/Gn		?	Bk. & Gn. MS from 384.5-385.3;	43
							Wh. F SS from 385.3-386.2; Bk.	
							ST (Sandy) from 386.2-386.8	
386.8	397.7	10.9	SS	Wh/LGy	F	A	A Alt. Vol.; A Cbn. fks. & sms.;	
							A Gn. MS incls. at base	
397.7	398.0	0.3	SS	Gy	F	A	Cbn. Fms.	44
398.0	403.6	5.6	SS	Wh/LGy	F	A	A Alt. Vol.; A Cbn. Fms. & fks.	
403.6	410.8	7.2	SS	Wh	F	S	A Alt. Vol.; A Gn. MS incls.	
410.8	415.5	4.7	MS	Gn		N		
415.5	423.5	8.0	SS	Wh	F-VF	N	X-bedded	
423.5	427.5	4.0	SS	Wh	F	N	A Alt. Vol.	
427.5	437.0	9.5	MS	R/Gn		N	Mot.; A itbd. LGy and LR Qtzc.	
							SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
39	360.0	360.6	0.6	0.09	0.02	
40	360.6	362.0	1.4	0.03	0.06	
41	362.0	363.0	1.0	0.06	0.27	
42	373.1	373.6	0.5	0.03	0.55	
43	384.5	386.8	2.3	Tr	0.03	
44	397.7	398.0	0.3	0.04	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~1394~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 18
Total depth 429.0
Collar elev. 7216.0T

COORDINATES
North
East

Claim Hubbard Homestead
Date started June 10, 1958
Date completed June 11, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	372.4-425.0	52.6	Wh/Gy	Under OBSS 2.0	A

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	364.0						Plug	
364.0	370.6	6.6	MS	R/Gn		N	Mot.; A itbd. LR Qtzc. SS	
370.6	372.4	1.8	MS/ST	Gn		N	A itbd. LGy Qtzc. SS	
372.4	374.5	2.1	SS	Gn	F	N	A itbd. Gn MS	
374.5	386.8	12.3	SS	Wh/LGy	F-M	N	A Alt. Vol.; Mod. Int. Gn. MS	
386.8	392.9	6.1	SS	Wh	M	N	A Alt. Vol.; S Gn. MS incls.	
392.9	393.1	0.2	MS	Gn		N		
393.1	400.3	7.2	SS	Wh	M	N	A Alt. Vol.; S Gn. MS Fms.	
400.3	400.6	0.3	MS	Gn		N		
400.6	410.2	9.6	SS	Wh/LGy	F	N	A Alt. Vol.; S Gn. MS Fms.	
410.2	411.1	0.9	SS	Gy	F	A	Trashy Zone	31
411.1	412.3	1.2	SS	Gy	F	A	Trashy Zone	32
412.3	425.0	12.7	SS	LGy	F	A	A Alt. Vol.; S Gn. MS Fms.;	
							Trashy Zone from 422.0 to 422.7;	
							Qtzc. at base	
425.0	427.0	2.0	MS	Gn		N		
427.0	429.0	2.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
31	410.2	411.1	0.9	None	0.02	
32	411.1	412.3	1.2	None	0.01	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mine Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 19
Total depth 422.0
Collar elev. 7208.7T

COORDINATES
North
East

Claim Hubbard Homestead
Date started June 6, 1958
Date completed June 7, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	365.1-418.0	52.9	Wh/LGy	Under OBSS 2.8	N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	356.0						Plug	
356.0	362.4	6.4	MS/ST	R/Gn		N	Mot.; LR Qtzc. SS at base	
362.4	365.1	2.7	MS	Gn		N		
365.1	368.2	3.1	SS	Gn	F	N	A int. Gn. MS	
368.2	406.2	38.0	SS	LGy/Wh	F-M	N	A Alt. Vol.; Mod. Int. Gn. MS; S Gn. MS Fms. & Incls.	
406.2	418.0	11.8	SS	Wh	F	N	A Alt. Vol.; S Gn. MS Fms.	
418.0	420.8	2.8	MS	Gn		N		
420.8	422.0	1.2	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS19

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~1494~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mine Group~~

Drill-hole No. ~~JR~~ JS 20
Total depth: 440.0
Collar elev. 7230.6T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: June 8, 1958
Date completed: June 9, 1958

Summary of log: Favorable; OBSS: 380.0-423.1; Thick: 43.1; SS Color: Wh; MS: Under OBSS 7.2; Cbn: N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	380.0						Plug	
380.0	382.9	1.9	SS	Gn	F	N		
382.9	386.0	3.1	SS	LGy	F	N		
386.0	386.2	0.2	MS	Gn		N		
386.2	401.5	15.3	SS	Wh	F-M	S	A Alt. Vol.; Mod. int. Gn. MS; S Gn. MS Fms. & incls.; Cbn Fms. at 399.7	
401.5	403.4	1.9	SS	Wh	M-C	N	A Alt. Vol.	
403.4	423.1	19.7	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms. and incls.; Cbn. Fms. from 406.4 to 406.8 and 422.5-423.1	
423.1	430.3	7.2	MS/ST	Gn		N	A Intbd. LGy Qtzc. SS	
430.3	440.0	9.7	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS20

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill: Rotary

Docket DMEA ~~1494~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Drill-hole No. JR JS 21
Total depth: 455.0
Collar elev. 7237.0T

COORDINATES
North
East

Claim: Hubbard Homestead
Date started: June 5, 1958
Date completed: June 22, 1958

Summary of log: Favorable; OBSS: 392.8-445.0; Thick: 62.2; SS Color: Wh; MS: Under OBSS 5.0; Cbn: S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	385.0						Plug	
385.0	389.4	4.4	MS	R/Gn		N	Mot.; A itbd. LR Qtzc. SS	
389.4	392.8	3.4	MS	Gn		N	A itbd. Wh. Qtzc. SS	
392.8	395.6	2.8	SS	Gn	F	N	A int. Gn. MS	
395.6	396.2	0.6	MS	Gn		N	Calc.	
396.2	421.6	25.4	SS	Wh	F-M	S	A Alt. Vol.; S int. Gn. MS; S Gn. MS incls.; Cbn. fks. at 411.8; Lam. & massive; A Gn. MS sms. at base	
421.6	425.0	3.4	SS	Wh	F	N	A Alt. Vol.	
425.0	431.3	6.3	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS Fms. and incls.	
431.3	431.6	0.3	MS	Bk/Gn		?		51
431.6	432.4	0.8	SS	Wh	F	N		
432.4	433.6	1.2	MS/ST	Gn		N		
433.6	445.0	11.4	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS Fms.	
445.0	450.0	5.0	MS/ST	Gn		N	A itbd. Wh. Qtzc. SS	
450.0	455.0	5.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
51	431.3	431.6	0.3	Tr	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. JR JS21

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 22
Total depth 372.0
Collar elev. 7165.0T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started June 22, 1958
Date completed June 23, 1958

Summary of log; OBSS; Thick; SS Color; MS; Under OBSS; Cbn

Summary of log	OBSS	Thick	SS Color	MS	Under OBSS	Cbn
Favorable	317.0-362.6	45.6	Wh/Gy	1.1		A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	317.0						Plug	
317.0	319.0	2.0	SS	Wh	F	N		
319.0	319.9	0.9	SS	LGn	VF	N	A int. Gn. MS	
319.9	320.4	0.5	MS	Gn		N		
320.4	343.3	22.9	SS	Wh/LGy	F-M	A	A Alt. Vol.; S Gn. MS incls.;	
							C.1 Cbn. Fks. at 325.5; Trashy	
							zone 326.8-327.4; M Lim. spks.	
343.3	344.1	0.8	SS	Gy	F	S	A Alt. Vol.; A Bk. MS Fms.	46
344.1	345.0	0.9	SS	Gy	F	N	A Alt. Vol.	47
345.0	349.1	4.1	SS	LGy/Wh	F-M	A	A Alt. Vol.; Cbn. Fks. & Fms.	
349.1	349.8	0.7	SS	Gy	F	A	Trashy Zone	48
349.8	360.5	10.7	SS	Wh/LGy	F	N	A Alt. Vol.; S Gn. MS Fms.	
360.5	360.6	0.1	MS	Bk/Gn		?		49
360.6	362.6	2.0	SS	Wh	F	N	A Alt. Vol.; Semi-Qtzc.	
362.6	363.7	1.1	MS	Gn		N		
363.7	373.0	9.3	MS	R/Gn		N	Mot.; S itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
46	343.3	344.1	0.8	0.01	0.04	
47	344.1	345.0	0.9	Tr	0.02	
48	349.1	349.8	0.7	Tr	0.01	
49	360.5	360.6	0.1	0.01	0.02	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4434~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 23
Total depth 248.0
Collar elev. 7002.8T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started June 17, 1958
Date completed June 18, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	160.0-241.8	81.8	Wh/Gy/Br	Under OBSS 2.1	A

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	160.0						Plug	
160.0	177.4	17.4	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS Fms. and incls.	
177.4	187.2	9.8	SS	Wh	F	N	A Alt. Vol.; S Gn. MS Fms.; Lam.	
187.2	209.3	22.1	SS	Wh/LBr	F-M	A	A Alt. Vol.; M Lim. spks.; Lam.; A Cbn. Fms. 208.0-209.0	
209.3	209.5	0.2	MS	Gn		N		
209.5	217.9	8.4	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS incls.	
217.9	222.8	4.9	SS	Br	M-F	N	A Lim. spks.	
222.8	241.8	19.0	SS	Wh/LGy	F	M	A Alt. Vol.; A Gn. MS Fms.; Cbn. Fms.; Lam.; Semi-Qtzc. at base	
241.8	243.9	2.1	MS	Gn		N		
243.9	248.0	4.1	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS23

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JK~~ JS 25
Total depth 325.0
Collar elev 7100.2T

COORDINATES
North
East

Claim Pack Rat No. 2
Date started June 13, 1958
Date completed June 13, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Favorable	256.0-322.0	66.0	Wh/Br/Gy	Under OBSS 1.8	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	250.0						Plug	
250.0	255.8	5.8	MS	R/Gy		N	Mot.	
255.8	260.7	4.9	SS	Wh/LR	F	N	A Alt. Vol.; Partly contorted;	
							Semi-Qtzc.; S Gn. MS incls.;	
							Vert. jointing	
260.7	264.4	3.7	SS	Gn	F	N	A int. Gn. MS; VF at base	
264.4	264.7	0.3	MS	Gn		N		
264.7	265.4	0.7	SS	LGn	VF	N		
265.4	265.5	0.1	MS	Gn		N		
265.5	270.6	5.1	SS	Wh/LBr	F-M	N	A Alt. Vol.; M Lim. spks.	
270.6	273.5	2.9	SS	Wh	M-C	N	A Alt. Vol.; S Gn. MS incls.	
273.5	282.0	8.5	SS	Wh/LBr	F-M	S	A Alt. Vol.; S Cbn. Fms. at top	
282.0	285.6	3.6	SS	Wh/LBr	M-C	N	A Alt. Vol.; A Lim. spks.	
285.6	286.0	0.4	SS	Wh	F	N	A itbd. Gn. MS	33
286.0	287.5	1.5	SS	LBr/Wh	F	N	A Lim. spks.	34
287.5	289.2	1.7	SS	LGy	F	A	Trashy Zone	35
289.2	292.0	2.8	SS	Wh	F-M	S	Cbn. Fms. at base	36
292.0	292.6	0.6	SS	Br	F	A	Trashy; Friable	37
292.6	294.0	1.4	SS	LBr	F	M	Cbn. Fms. at 293.6-294.0	
294.0	306.6	12.6	SS	LGy	F-M	N	A Alt. Vol.; S Gn. MS Fms.; Lim.	
							filled joints	
306.6	311.0	4.4	MS/ST	Gn		N		
311.0	316.8	5.8	SS	Wh	F	A	Trashy; Semi-Qtzc.; Calcite fil-	
							led joints; Partly contorted	
							and lam.	
316.8	320.4	3.6	ST	Bk		?	Contorted; Pet. Res. (?)	38
320.4	321.6	1.2	SS	Wh	F	A	Trashy at top; Partly contorted;	
							Semi-Qtzc.;	
321.6	323.4	1.8	MS	DGn		?		
323.4	325.0	1.6	MS	R/Gn		N	Mot.; S itbd. Gy Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
33	285.6	285.0	0.4	0.04	0.05	
34	286.0	287.5	1.5	None	0.01	
35	287.5	289.2	1.7	Tr	0.02	
36	289.2	292.0	2.8	None	0.02	
37	292.0	292.6	0.6	0.01	0.03	
38	316.8	320.4	3.6	None	0.03	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~1994~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 27
Total depth: 310.0
Collar elev. 7084.67

COORDINATES
North
East

Claim: Pack Rat No. 2
Date started: June 4, 1958
Date completed: June 5, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	250.0-308.4	58.4+	Wh/Lgy	Under OBSS 0.6	A

DEPTH From	DEPTH To	DESCRIPTION Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	250.0						Plug	
250.0	256.2	6.2	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms.; X-bedded	
256.2	256.5	0.3	SS	Wh	F-M	A	A Alt. Vol.; Trashy; A Gn. MS Fms.; S U Fms.	29
256.5	258.7	2.2	SS	LGy	F	A	A Alt. Vol.; Trashy; S U Fms.	30
258.7	263.3	4.6	SS	Wh/Lgy	F	N	A Alt. Vol.; A Gn. MS incls. at base	
263.3	274.5	11.2	SS	Wh	F-M	N	A Alt. Vol.; A Lim. spks.; S Gn. MS incls.	
274.5	274.7	0.2	MS	Gn		N		
274.7	280.8	6.1	SS	Wh	F	N	A Alt. Vol.; A Lim. spks.; S Gn. MS incls.	
280.8	281.3	0.5	MS	Gn		N		
281.3	286.4	5.1	SS	Wh	VF-F	N	Lam.; Partly contorted	
286.4	299.8	13.4	MS/ST	Gn		N	A itbd. LGy. Qtzc.; 0.2 B MS at 294.4	
299.8	308.4	8.6	SS	Wh	M-F	N	A Alt. Vol.; S Gn. MS incls.	
308.4	309.0	0.6	MS	Gn		N		
309.0	310.0	1.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
29	256.2	256.5	0.3	0.07	0.05	
30	256.5	258.7	2.2	0.01	0.02	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4194~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 28
Total depth: 275.0
Collar elev: 7083.0T

COORDINATES
North
East

Claim: Johnnie Mae No. 3
Date started: June 26, 1958
Date completed: June 26, 1958

Summary of log: Favorable; OBSS: 224.4-271.5; Thick: 47.1; SS Color: Wh/LGy; MS: Under OBSS; Cbn: R; S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	215.0						Plug	
215.0	224.4	9.4	MS	R/Gy		N	Mot.; A itbd. R F SS; Sandy at base	
224.4	225.0	0.6	SS	LGn	F	N	A int. Gn. MS	
225.0	245.3	20.3	SS	Wh	F-M	N	A Alt. Vol.; S int. Gn. MS	
245.3	245.4	0.1	MS	Bk/Gn		?	Sandy	53
245.4	245.8	0.4	SS	Wh	F-M	N	A Alt. Vol.	
245.8	246.6	0.8	SS	Wh	F	S	M Alt. Vol.; M Gn. MS Fms. w/cbn. Shs.	
246.6	252.7	6.1	SS	Wh/LGy	F-M	N	A Alt. Vol.; A Gn. MS Fms. and ints.; Lam.	
252.7	264.9	12.2	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms. & incls.	
264.9	265.3	0.4	MS	Gn		N		
265.3	271.5	6.2	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS Fms.; Lam.	
271.5	275.0	3.5	MS	R/Gy		N	Mot.; S Ls. incls.; S itbd. Gy. Qtzc. ST	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
53	245.3	245.4	0.1	None	0.05	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JK~~ JS28

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4404~~ 4326
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JK~~ JS 29
Total depth: 295.0
Collar elev.: 7120.0T

COORDINATES
North
East

Claim: Johnnie Mae No. 3
Date started: June 26, 1958
Date completed: June 27, 1958

Summary of log: Favorable; OBSS: 250.0-291.4; Thick: 41.4; SS Color: Wh; MS: Under OBSS R; Cbn: A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	250.0						Plug	
250.0	265.0	15.0	SS	Wh	F-M	N	A Alt. Vol.; S itbd. Gn. MS	
265.0	269.5	4.5	SS	Wh	F	N	A Alt. Vol.; S Gn. MS incls.	
269.5	282.3	12.8	SS	Wh	F-M	N	A Alt. Vol.; S Gn. MS Fms.; Cbn. Fms. 279.4-279.7	
282.3	285.2	2.9	SS	Wh	F-M	A	A Alt. Vol.; A Gn. MS Fms.; R/Pp cast over entire interval (Se?)	
285.2	285.7	0.5	SS	Wh	F-M	N	A Alt. Vol.; A Gn. MS incls.	
285.7	291.4	5.7	SS	Wh	F	N	M Alt. Vol.; S Gn. MS Fms.; Partly x-bedded at base	
291.4	295.0	3.6	MS	R/Gn		N	Mot.; S itbd. Pp ST	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JK~~ JS29

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4014~~ 4826
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill Rotary

Drill-hole No. ~~JR~~ JS 36
Total depth 215.0
Collar elev 7017.6T

COORDINATES
North
East

Claim Johnnie Mae No. 3
Date started June 24, 1958
Date completed June 24, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

	OBSS	Thick	SS Color	MS Under OBSS	Cbn
Favorable	160.9-207.8	46.9	Wh/LGy	4.8	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	155.0						Plug	
155.0	160.9	5.9	MS	R/Gn		N	Mot.; S itbd. LGy. Qtzc. SS	
160.9	161.6	0.7	SS	Gn	F	N		
161.6	183.6	22.0	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS Fms.; Cbn fks. at 177.6	
183.6	185.0	1.4	SS	Wh	F-M	N	A Alt. Vol.; A itbd. Gn. MS	
185.0	195.0	10.0	SS	Wh/LGy	F-M	N	A Alt. Vol.; N Gn. MS fms.; Lam.	
195.0	196.8	1.8	SS	LGy	F	S	M Alt. Vol.; A Gn. MS Fms.; Cbn. fks.; Lam.	
196.8	197.7	0.9	MS	Gn		N	0.2 Gy. F SS at top.; Gn. MS with bright R MS (Se); C SS at base	50
197.7	201.1	3.4	SS	Wh/LGy	M-F	M	A Alt. Vol.; Cbn. fks. at top; A Gn. MS incls.	
201.1	207.8	6.7	SS	Wh	F	S	A Alt. Vol.; S Gn. MS incls.; Fossil wood at 206.2; S Ls. incls. at base	
207.8	208.0	0.2	Ls	Gy		N	Large Ch. P at base	
208.0	212.8	4.8	MS	Gn		N	Partly calc.	
212.8	215.0	2.2	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
50	196.8	197.7	0.9	0.03	0.12	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS36

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4494~~ 4826
Contract Idm E-~~1874~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 37
Total depth: 320.0
Collar elev. 7119.4T

COORDINATES
North
East

Claim: Johnnie Mae No. 3
Date started: June 30, 1958
Date completed: June 30, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	266.6-313.2	46.6	Wh/LGy	Under OBSS R	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	250.0						Plug	
250.0	266.6	16.6	MS	R/Gy/Gn		N	Mot.; S itbd. Gy & Pp. Qtzc. SS; Sandy at base	
266.6	281.0	14.4	SS	Wh/LGy	F-M	N	A Alt. Vol.; A int. Gn. MS at top; Br/Bk ints. at 275.0, 276.0 & 278.0 (Pot. Res. ?)	
281.0	284.8	3.8	SS	Wh	F-M	S	A Alt. Vol.; A Gn. MS Fms. and incls.; Cbn. fks. in MS Fms.; Partly x-bedded and contorted	
284.8	313.2	28.4	SS	Wh	F-M	M	A Alt. Vol.; S Gn. MS Fms. & incls.; Calcite filled joint at top; Cbn. Fks. & Fms. 297.8-298.6; Massive; Qtzc. & A Gn. MS incls. at base	
313.2	320.0	6.8	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JR~~ JS37

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~4551~~ 4326
Contract Idm E-~~1074~~ 1181
Beaver Mesa ~~Johnnie Mae Group~~

Type of Drill: Rotary

Drill-hole No. ~~XX~~ JR JS 38
Total depth: 220.0
Collar elev: 7020.3T

COORDINATES
North
East

Claim: Johnnie Mae No. 3
Date started: June 24, 1958
Date completed: June 25, 1958

Summary of log: Favorable; OBSS: 170.0-217.0; Thick: 47.0; SS Color: Wh; MS: Under OBSS 0.7; Cbn: N

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	150.0						Plug	
150.0	170.0	20.0	MS	R/Gn		N	Mot.; S itbd. Gy. & Pp. Qtzc. SS	
170.0	210.0	40.0	SS	Wh	F-M	N	A Alt. Vol.; A int. Gn. MS at top; S Gn. MS Fms. & incls; Semi-friable and massive	
210.0	214.7	4.7	SS	Wh	M-C	N	A Alt. Vol; A Gn. LS Fms. and incls.	
214.7	216.7	2.0	SS	Wh	F-M	N	A Alt. Vol.; Lam.	
216.7	217.4	0.7	MS	Gn		N		
217.4	220.0	2.6	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
	Barren					

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS38

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA 4826
Contract Idm E-1181
Beaver Mesa Johnnie Mae Group

Type of Drill: Rotary

Drill-hole No. JR JS 39
Total depth: 225.0
Collar elev. 7020.4T

COORDINATES
North
East

Claim: Johnnie Mae No. 3
Date started: June 23, 1958
Date completed: June 26, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	165.8-214.0	48.2	Wh/LGy	Under OBSS 1.8	M

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	155.0						Plug	
155.0	165.8	10.8	MS	R/Gn			Mot.; S itbd. Pp. SS	
165.8	166.8	1.0	SS	Gn/Pp	F	M	A int. Gn. MS & Mn (?)	
166.8	169.0	2.2	SS	Gn	F	N		
169.0	176.8	7.8	SS	Wh/LGy	F	N	A Alt. Vol.	
176.8	178.7	1.9	SS	LGn/Wh	VF-F	N	A int. Gn. MS	
178.7	182.2	3.5	SS	Wh	F	N	A Alt. Vol.; S Gn. MS incls.	
182.2	182.3	0.1	MS	Gn		N		
182.3	190.6	8.3	SS	Wh/LGy	F-M	N	A Alt. Vol.; S Gn. MS Fms.; Calcite filled jts.; Semi-friable	
190.6	191.0	0.4	MS/SS	Gn/Wh	F	N	V friable; Bentonite (?).	
191.0	198.6	7.6	SS	Wh	F-M	M	A Alt. Vol.; M Gn. MS Fms.; Cbn. fks. 193.7-193.3; Lam.; Partly x-bedded	
198.6	201.6	3.0	SS	Wh	F-VF	N	M Alt. Vol.; Partly x-bedded; S Gn. MS incls.	
201.6	210.8	9.2	SS	Wh	F-M	N	A Alt. Vol.; M Gn. MS incls.	
210.8	211.0	0.2	MS/ST	Gn		N		
211.0	211.3	0.3	SS	LGy	F	N		
211.3	211.4	0.1	MS	DGn/Bk		?		45
211.4	214.0	2.6	SS	LGy	F	N	A Alt. Vol.; Calcite filled jt.	
214.0	215.8	1.8	MS	Gn		N		
215.8	225.0	9.2	MS	R/Gn		N	Mot.; S itbd. LGy. Qtzc. SS	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
45	211.3	211.4	0.1	Tr	0.06	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JR JS 16

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA 4826
CONTRACT Idm E-1181

Date Probed June 20, 1958 Probed By JW

Plug Depth 369.0' Core Interval 70.0'

Total Depth 439.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 350.0' To 439.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
350.0'	439.0'	5	0.03	0.00

RESULTS Barren

HOLE NO. JR JS 16

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 17

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~[illegible]~~ 4826
CONTRACT Idm E-~~[illegible]~~ 1181

Date Probed June 13, 1958 Probed By JW

Plug Depth 360.0' Core Interval 77.0'

Total Depth 437.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 350.0' To 437.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
350.0	358.0	5	0.02	0.00
358.0	358.5	5	0.02	0.00
358.5	359.0	5	0.08	Tr
359.0	359.5	5	0.12	0.01
359.5	360.0	5	0.15	0.02
360.0	360.5	5	0.04	0.00
360.5	437.0	5	0.02	0.00

RESULTS

HOLE NO. ~~JR~~ JS 17

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 18

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~[illegible]~~ 4826
CONTRACT Idm E~~[illegible]~~ 1181

Date Probed June 11, 1958 Probed By JW

Plug Depth 364.0' Core Interval 65.0'

Total Depth 429.0'

Type of Probe Unit Used Babbel # 870 with 500' reel and Probe. Std. 78/4 scale.

Probed—From 350.0' To 429.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
350.0	429.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 18

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JX~~ JS 19

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed June 6, 1958 Probed By JW

Plug Depth 356.0' Core Interval 66.0'

Total Depth 422.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 350.0' To 422.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
350.0'	422.0	5	0.01	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 19

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 20

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed June 9, 1958 Probed By JW

Plug Depth 380.0' Core Interval 60.0'

Total Depth 440.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 370.0' To 440.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
370.0	440.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JX~~ JS 20

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JR JS 21

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA 4826

CONTRACT Idm E-1181

Date Probed June 22, 1958 Probed By JW

Plug Depth 385.0' Core Interval 70.0'

Total Depth 455.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 75/4 scale.

Probed—From 370.0' To 455.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
370.0	455.0	5	0.02	0.00

RESULTS Barren

HOLE NO. JR JS 21

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 22

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4000~~ 4826
CONTRACT Idm E-~~1000~~ 1181

Date Probed June 23, 1958 Probed By JW

Plug Depth 317.0' Core Interval 56.0'

Total Depth 373.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 300.0' To 373.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
300.0'	373.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 22

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 23

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4494~~ 4826

CONTRACT Idm E~~1074~~ 1181

Date Probed June 17, 1958 Probed By JW

Plug Depth 160.0' Core Interval 88.0'

Total Depth 248.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 150.0' To 248.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
150.0	248.0	5	0.03	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 23

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JR JS 25

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA XXX4 4826
CONTRACT Idm E-XXX4 1161

Date Probed June 14, 1958 Probed By JW

Plug Depth 250.0' Core Interval 75.0'

Total Depth 325.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 240.0' To 325.0'

DEPTH FROM'	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
240.0	325.0	5	0.02	0.00

RESULTS Barren

HOLE NO. JR JS 25

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JR JS 27

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA 4826
CONTRACT Idm E-1181

Date Probed June 4, 1958 Probed By JW

Plug Depth 250.0' Core Interval 60.0'

Total Depth 310.0'

Type of Probe Unit Used Babbel Counter #270 with 500' reel and probe. Std. 78/4 scale.

Probed—From 240.0' To 310.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
240.0	310.0	5	0.02	0.00

RESULTS Barren

HOLE NO. JR JS 27

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 28

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~1074~~ 1181

Date Probed June 26, 1958 Probed By JW

Plug Depth 215.0' Core Interval 60.0'

Total Depth 275.0'

Type of Probe Unit Used Babbel #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 200.0' To 275.0'

DEPTH FROM '	DEPTH TO '	SCALE	READING	GRADE ESTIMATE
200.0	275.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 28

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. JR JS 29

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA 4826
CONTRACT Idm E- 1181

Date Probed June 27, 1958 Probed By JW

Plug Depth 250.0' Core Interval 45.0'

Total Depth 295.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 230.0' To 295.0'

DEPTH FROM'	DEPTH TO'	SCALE	READING	GRADE ESTIMATE
230.0	295.0	5	0.03	0.00

RESULTS Barren

HOLE NO. JR JS 29

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JK~~ JS 36

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~4826~~ 4826
CONTRACT Idm E-~~1014~~ 1161

Date Probed June 24, 1958 Probed By JW

Plug Depth 155.0' Core Interval 60.0'

Total Depth 215.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 150.0' To 215.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
150.0	215.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JK~~ JS 36

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 37

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXX~~ 4826
CONTRACT Idm E-~~1074~~ ~~XXX~~ 1181

Date Probed June 30, 1958 Probed By JW

Plug Depth 250.0' Core Interval 70.0'

Total Depth 320.0'

Type of Probe Unit Used Babbel #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 240.0' To 320.0'

DEPTH FROM '	TO'	SCALE	READING	GRADE ESTIMATE
240.0	320.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 37

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 38

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXX~~ 4826
CONTRACT Idm E-~~XXX~~ 1181

Date Probed June 25, 1958 Probed By JW

Plug Depth 150.0' Core Interval 70.0'

Total Depth 220.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 140.0' To 220.0'

DEPTH FROM'	TO '	SCALE	READING	GRADE ESTIMATE
140.0'	220.0'	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 38

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 39

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4RX~~ 4826

CONTRACT Idm E-~~1RX~~ 1181

Date Probed June 26, 1958 Probed By JW

Plug Depth 155.0' Core Interval 70.0'

Total Depth 225.0'

Type of Probe Unit Used Babbel Counter #670 with 500' reel and probe. Std. 78/4 scale.

Probed—From 150.0' To 225.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
150.0	225.0	5	0.02	0.00

RESULTS Barren

HOLE NO. ~~JR~~ JS 39

FINAL DISTRIBUTION

MADE JUL 18 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 23 1958

DATE	INITIALS	CODE
7/23	C	220
"	Kp	110
"	MC	700

224 New Customhouse
Denver 2, Colorado
July 16, 1958

Memorandum

To: T. A. Christensen

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4065 (Uranium) Contract IAm-4181, New Idria Mining and Chemical Company, Agent, (Hubbard Homestead, Pack Rat et al. claims) Mesa County, Colorado - Operator's Monthly Progress Report for the month of May, 1958

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.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

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. Payment is recommended for 75 percent of the amount reported on Form MF-104 for May 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:
Date of Report----------June 16, 1958
Date Received in Field Office----------June 18, 1958
Date Received in Region Office----------July 8, 1958

JWC:hmh
Enclosures
cc: Chem. Op. Comm. (2)
DMEA/WC
MF-104 file, Reg. III
Newman
Eccles
Mapp/Hart.
Cooper
Champ
} w/copy of Engr's report

Original signed by
J. W. TOWNSEND

J. W. Townsend

DMEA
DEPARTMENT OF THE INTERIOR
JUL 8 - 1958
REGION III
DENVER, COLORADO

P. O. Box 360
Grand Junction, Colorado

July 7, 1958

Memorandum

To: Alternate Acting Executive Officer, DMEA Field Team, Region III

From: H. F. Robertson

Subject: DMEA 4026 (Uranium), Contract Ida-E 1181,
New Birin Mining & Chemical Company, Agent (Hubbard, Homestead, Puck Pat, et al. claims), Mesa County, Colorado.
Progress report for May 1958

Work commenced on the subject contract on May 12, 1958, with surveying and drillsite preparation. Drilling started on May 22, 1958. A progress inspection was made on June 3, 1958, by H. F. Robertson.

The operator's claim (received at Grand Junction on June 18, 1958) covers the costs incurred in the completion of 1,792 feet of non-core drilling and 512 feet of core drilling in seven first stage holes as follows:

Actual Cost Items:

Independent Contracts		
Non-core drilling		
0-300 feet,	1,770 feet at $2.00/ft.	$ 3,540.00
300-600 feet,	22 feet at $2.10/ft.	46.20
Core drilling		
0-400 feet,	512 feet at $4.40/ft.	2,252.80
Standby time	7 hours at $12.00/hr.	84.00
Bulldozing	26 hours at $12.00/hr.	312.00
Miscellaneous items		
Chemical analyses	28 spls. at $5.00 ea.	140.00

Fixed Unit Cost Items:

Incidental allowance	2,304 feet at $0.21/ft.	483.84
Total claimed for May 1958		$ 6,858.84

The claims are supported by copies of invoices for chemical assaying, bulldozing, and drilling. The drilling footage claimed is in agreement with the invoice and with the footages reported on the operator's geologic logs.

The locations of the completed holes were checked in the field and are as shown on the map accompanying the operator's claim. All holes sites are in accordance with those authorized under Stage I of the subject contract. Inspection of the drill core verified the size, HX, and the penetration into the underlying red sandstone, 1 foot to 9.5 feet. DMEA geologic personnel agree that the cored intervals are within reasonable limits for testing the upper ore-bearing sandstone of the Salt Wash member of the Morrison formation. The probing data of the operator are reported for the cored intervals only. Since this adequately covers the ore-bearing horizon in each hole, it is recommended that the probe data be accepted as conforming to contract specifications. The operator's radiometric logs are in reasonable agreement with results obtained with the DMEA gamma-ray logging unit.

Of the seven holes completed during May 1958, three holes (JS-28, JS-30, and JS-31) penetrated ore-grade material, two holes (JS-32 and JS-35) were mineralized, and two holes (JS-33 and JS-34) were barren of uranium mineralization.

The operator submitted in quintuplicate a signed narrative report with map, MP-104, MP-104a, and geologic and radiometric logs. One copy each of the money certificate and invoices for drilling, bulldozer work, and chemical analyses accompanied the claim for May 1958.

The monthly and cumulative totals on the MP-104 forms are correct and the work done in conformance with contract specifications and within contract machines.

The inspecting engineer recommends that the costs incurred in May 1958 be allowed as claimed by the operator. Payment of $5,144.13, representing 75 percent of the claimed amount, $6,858.84, is recommended.

H. F. Robertson

H. F. Robertson
Mining Engineer

Table I.—Summary of drilling results - May 1958
New Idris Mining and Chemical Company
IMMA 4826 Contract IMa-E 1181

	Drilling footage			Mineralization: Radiometric		Mineralization: Chemical		
Hole No.	Core	Non-core	Total	Interval	% eU_3O_8	Interval	% U_3O_8	% V_2O_5
JB-24	81	175	256	195.5-196.0	0.06	188.1-188.3	0.01	0.36
				196.0-196.5	0.40	188.3-190.7	0.02	0.15
				196.5-197.0	0.76	190.7-191.0	0.13	4.77
				197.0-197.5	0.80	195.3-196.9	Trace	0.27
				197.5-198.0	0.52	196.9-198.8	0.93	1.82
				198.0-198.5	0.13	198.8-201.0	0.03	0.10
				198.5-199.0	0.04	201.0-205.4	0.04	0.23
						205.4-208.3	0.02	0.11
						208.3-210.2	0.02	0.03
						218.3-219.0	Trace	0.02
JB-30	74	315	389	356.5-357.0	0.10	339.0-340.7	0.02	0.29
				357.0-357.5	0.23	340.7-341.3	0.05	0.47
				357.5-358.0	0.38	341.3-341.7	0.07	0.10
				358.0-358.5	1.00	355.4-357.0	0.10	0.26
				358.5-359.0	1.24	357.0-359.0	0.90	4.59
				359.0-359.5	0.60	359.0-361.0	0.06	0.74
				359.5-360.0	1.08	361.0-362.5	0.01	0.05
				360.0-360.5	0.36			
				360.5-361.0	0.16			
				361.0-361.5	0.05			
JB-31	75	280	355	319.0-319.5	0.10	320.0-320.5	0.01	0.45
				319.5-320.0	0.21	320.5-321.3	1.45	14.36
				320.0-320.5	0.60	321.3-321.6	0.19	0.14
				320.5-321.0	1.12			
				321.0-321.5	0.34			
				321.5-322.0	0.10			
JB-32	74	185	259	217.0-217.5	0.06	217.4-217.8	0.03	0.80
				217.5-218.0	0.14	217.8-219.2	0.02	0.04
				218.0-218.5	0.16	219.2-220.5	0.06	0.05
				218.5-219.0	0.06	220.5-221.6	0.03	0.04
JB-33	70	302	372	Barren		342.2-343.3	0.05	0.55
JB-34	63	230	293	Barren		246.8-247.2	None	None
JB-35	75	305	380	349.0-349.5	0.08	348.9-349.6	0.09	1.11
				349.5-350.0	0.09	349.6-350.1	Trace	None
				350.0-350.5	0.06			
Totals	512	1,792	2,304					

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

RECEIVED JUL 23 1958 D.M.E.A.

Month of MAY, 1958 Docket No. DMEA 4026 Contract No. 10M C-1181
Operator's Name NEW IONIA MINING AND CHEMICAL COMPANY, AGENT Minerals URANIUM
Address POST OFFICE BOX 311, GRAND JUNCTION, COLORADO
Contract Amount, $ 102,620.00 Government Participation: 75 % Amount, $ 76,965.00

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:		STAGE 1				
Drilling NON-CORE	3,510.00		3,510.00			
~~Bulldozing~~ NON-CORE	46.20		46.20			
~~Crosscutting~~ CORE	2,252.80		2,252.80			
~~Drifting~~ COLLOZIUM	312.00		312.00			
STANDBY TIME	84.00		84.00			
INCIDENTAL ALLOWANCE	403.84		403.84			
(2) Labor and Supervision:						
Labor						
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	140.00		140.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	6,858.84		6,858.84	6,858.84		6,858.84

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

Date JUNE 16/58 *Payee NEW IONIA MINING & CHEMICAL CO., AGENT

Per Arthur W. Young Title SEC'Y-TREASURER

*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:

$ 5144.13

Signature
(Authorized Certifying Officer)

Date 7/18/58 Voucher No. DMEA 59-5

(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. Tin-E1181 in accordance with the terms of the contract.

Signature H. J. Robertson #5,144.13 Title Mining Engr. Date 7/7/58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [illegible] Title alternate acting Executive Officer Date JUL 16 1958

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

RECEIVED JUL 23 1958 DMEA

Month of MAY 1958 Docket No. DMEA 4826 Contract No. Ism C-1181
Operator's Name NEW IDRIA MINING AND CHEMICAL COMPANY, AGENT Minerals URANIUM
Address POST OFFICE BOX 311, GRAND JUNCTION, COLORADO

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
[redacted]			STAGE					
[redacted]								
[redacted]								
Shafts								
Winzes								
Drilling: Core	Foot	2,252.80	512	2,252.80	512	4.40	1,515	4.40
[redacted]-Core	"	3,540.00	1,770	3,540.00	1770	2.00	11,175	2.00
[redacted]-Core	"	46.20	22	46.20	22	2.10	4,145	2.10
[redacted]	Hour	312.00	26	312.00	26	12.00	80	12.00
[redacted] Time	"	84.00	7	84.00	7	12.00	40	12.00
[redacted]	Each	140.00	28	140.00	28	5.00	100	5.00
Roads and Trails								
[redacted]	Foot	483.84	2304	483.84	2304	.21	10,320	.21
Total Distributed Costs		6,858.84		6,858.84				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
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.

Remarks: 45R.

Date JUNE 16, 1958 Operator NEW IDRIA MINING & CHEMICAL CO., AGENT

Per Arthur W. Goring Title SEC'Y-TREASURER

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)

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

NEW IDRIA MINING & CHEMICAL COMPANY

URANIUM DIVISION - BOX 311, GRAND JUNCTION, COLORADO

June 10, 1958

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Docket No. DMEA-4826 (Uranium)
Contract No. Idm-E1181
Hubbard Homestead, Pack Rat, et al., Claims
Mesa County, Colorado
Report for May, 1958

Dear Mr. Harshman:

Work commenced on the above contract on May 12, 1958, with surveying and preparation for the drilling program. The bulldozer work to prepare the drill sites was done by Everett J. Edgar, Contractor, 1661 Dolores, Grand Junction, Colorado, with a D-7 "Cat" and working on May 21st, 22nd, 23rd and 28th he prepared ten (10) drill locations during the month.

Drilling on the project by Robert J. Colquitt, Drilling Contractor, 2460 Hall Avenue, Grand Junction, Colorado, started on May 22, 1958, and a total of seven (7) holes were completed during the month with a total footage of 2,304 feet of which 1,792 feet were non-core drilling and 512 feet were core drilling.

The drilling is being done with a Portadrill using air and a large NX core is being cut.

The following holes were completed during the month: JS-24, JS-30, JS-31, JS-32, JS-33, JS-34 and JS-35. In general the results were good and some excellent ore streaks were found.

Weather conditions were excellent and no trouble was encountered in the drilling. Water was encountered in all the holes, however, no severely fractured

areas were found to complicate the drilling.

We are enclosing drill logs, radioactivity logs and a map showing the location of the drill holes.

Very truly yours,

NEW IDRIA MINING & CHEMICAL COMPANY

Dean Nicholson

Dean Nicholson

Encls.

cc: Mr. Arthur W. Goring, Sec'y-Treas.
New Idria Mining & Chemical Co.

DRILL HOLE LOG

New Idria Mining & Chemical Company

Type of Drill Rotary

Docket DMEA [redacted] 2526
Contract Idm E-[redacted] 1181
Beaver Mesa Johnnie Mae Group

Drill-hole No. [redacted] JS 24
Total depth 256.0
Collar elev. 7013.27

COORDINATES
North
East

Claim Pack Nat No. 1
Date started May 30, 1958
Date completed May 31, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	175.0-252.3	77.2	Wh/Br	Under OBSS 2.2	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	175.0						Plug	
175.0	180.1	5.1	SS	Wh/LBr	F	N	Mod. alt. vol.; Semi-qtzc.	
180.1	180.3	0.2	MS	Gn		N		
180.3	187.5	7.2	SS	LGy	VF-F	N	Semi-qtzc.; Silty; Partly contorted.	
187.5	188.1	0.6	SS	LGy	F	N	Qtzc.	
188.1	188.3	0.2	ST	Bk		?		19
188.3	190.7	2.4	SS	Gy	F	N	S itbd. Bk. MS Sm.; Cbn. fus.; Semi-qtzc.	20
190.7	191.0	0.3	MS/ST	Bk		?		21
191.0	192.0	1.0	SS	LGy	F	N	Lim. filled joint.	
192.0	195.3	3.3	SS	Wh	F	N	A alt. vol.; A Lim. spks.	
195.3	196.9	1.6	SS	LGy	F	A	Trashy at top.	22
196.9	198.8	1.9	SS	Gy/Bk	F	A	A itbd. Bk & Gn. MS at base; S B & MS (Se?); Mod. N fus.	23
198.8	201.0	2.2	SS	Gy	F	N	A Gn. MS incls. from 198.8 to 199.0; S U spks & Pp. cast from 199.0 to 201.0.	24
201.0	205.4	4.4	SS	Gy	F	N	Lim. & carnotite in joint; 0.4 Gn. MS w/ Se (?) at base.	25
205.4	208.3	2.9	SS	LGy	F	N	A alt. vol.; Qtzc. at base.	26
208.3	210.2	1.9	SS	LBr	F	A	Trashy	27
210.2	210.5	0.3	SS	LGy	F	N	Qtzc.	
210.5	213.6	3.1	SS	LGn	VF-F	N	Lim. filled joint.	
213.6	216.6	3.0	SS	Wh	F-VF	N		
216.6	219.0	2.4	SS	Wh	F	N	Alt. vol.	
219.0	220.3	0.3	MS/ST	Gn		N	S itbd. Dy. qtzc. SS.	
220.3	220.0	0.7	ST	Bk/Gn		A		28
220.0	235.0	6.0	SS	Wh/LBr	F	N	A alt. vol.; A Lim. spks.	
235.0	244.2	9.2	SS	Wh	F	N	A alt. vol.; A Lim. spks.	
244.2	249.1	4.9	SS	LGy	F	N	A alt. vol.; A Gn. MS incls.; Semi-qtzc.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
19	188.1	188.3	0.2	0.01	0.36	
20	188.3	190.7	2.4	0.03	0.15	
21	190.7	191.0	0.3	0.13	4.77	
22	195.3	196.9	1.6	Tr	0.27	
23	196.9	198.8	1.9	0.23	1.82	
24	198.8	201.0	2.2	0.03	0.10	
25	201.0	205.4	4.4	0.04	0.23	
26	205.4	208.3	2.9	0.02	0.11	
27	208.3	210.2	1.9	0.02	0.03	
28	228.3	229.0	0.7	Tr	0.02	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~2494~~ 4826
Contract Idm E-~~1974~~ 1181
Beaver Mesa ~~Johnnie Mac Group~~

Type of Drill.....

Drill-hole No. ~~JX~~ JS 24
Total depth.....
Collar elev.....

COORDINATES
North.....
East.....

Claim.....
Date started.....
Date completed.....

Summary of log.....; OBSS.....; Thick.....; SS Color.....; MS.....; Cbn.....
.....; .....; .....; .....; Under OBSS.....; .....
.....; .....; .....; .....; .....; .....

DEPTH		DESCRIPTION						Sample
From	To	Thick	Rock	Color	Grain	Carbon	REMARKS	
249.1	249.5	0.4	MS	Gn		N		
249.5	252.8	2.3	SS	LBr	F	N	Qtzc.	
252.8	255.0	2.2	MS	Gn		N		
255.0	256.0	1.0	MS	R/Gn		N	Mot.; A itbd. Gy. qtzc. SS.	

SAMPLE				Chemical Assay (%)		
Number	From	To	Thick	U_3O_8	V_2O_5	$CaCO_3$

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. ~~JX~~ JS24

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA [redacted] 6326
Contract Idm E-[redacted] 1131
Beaver Mesa [redacted]

Type of Drill: Rotary

Drill-hole No. [redacted] JS 30
Total depth: 382.0
Collar elev. 7166.3T

COORDINATES
North
East

Claim: Pack Pat No. 2
Date started: May 22, 1958
Date completed: May 22, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

	OBSS	Thick	SS Color	MS	Cbn
Favorable	330.0-370.5	40.0	Wh/Gy	Under OBSS 0.2	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	315.0						Plug	
315.0	336.7	21.7	MS	R/Gn		N	Mot.; S itbd. Gy. Qtzc. SS	
336.7	339.0	2.3	MS	Gn		N		
339.0	340.7	1.7	SS	DGn/Bk	F	?	Pet. Res. (?).	5
340.7	341.3	0.6	SS	Bk	F	?	Pet. Res. (?).	6
341.3	341.7	0.4	SS	Gy	F	N		7
341.7	355.4	13.7	SS	Wh	F-M	S	A Alt. Vol.; M Gn. MS fms. & incl.	
355.4	357.0	1.6	SS	Gy	F	N	A Gn. & Bk. MS sms.; S U Spks	
							at top.	8
357.0	359.0	2.0	SS	Gy/Bk	F	A	A itbd. Gn. & Bk. MS; Contorted	9
359.0	361.0	2.0	SS	Gy	F	N	X-bedded; M U spots & fms.	10
361.0	362.5	1.5	SS	LGy	F	A	Glm. fms.; A Alt. Vol.	11
362.5	379.5	17.0	SS	LGy	F-M	S	A Alt. Vol.; Mod Gn. MS fms. &	
							incls.; X-bedded.	
379.5	385.7	6.2	MS/ST	Gn		N	A itbd. Gy. qtzc. SS.	
385.7	389.0	3.3	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
5	339.0	340.7	1.7	0.02	0.29	
6	340.7	341.3	0.6	0.05	0.47	
7	341.3	341.7	0.4	0.07	0.10	
8	355.4	357.0	1.6	0.10	0.26	
9	357.0	359.0	2.0	0.90	4.59	
10	359.0	361.0	2.0	0.06	0.74	
11	361.0	362.5	1.5	0.01	0.05	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. [redacted] JS30

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA [illegible] 4826
Contract Idm E[illegible] 1101
Beaver Mesa [illegible]

Type of Drill: Rotary

Drill-hole No. JR JS 31
Total depth: 355.0
Collar elev. 7119.2T

COORDINATES
North
East

Claim: Pack Rat No. 2
Date started: May 2[illegible], 1958
Date completed: May 27, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	290.4-342.1	51.7	Wh	Under OBSS 3.5	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	280.0						Plug	
280.0	289.3	9.3	MS	R/Gn		N	Mot.; Intbd. Ls.	
289.3	290.4	1.1	MS/ST	Gn		N		
290.4	292.4	2.0	SS	Gn	F	N	A Alt. Vol.; A int. Gn. MS.	
292.4	310.0	17.6	SS	Wh/LBr	F-M	N	A Alt. Vol.; S Gn. MS incls.;	
							A lim. spks.	
310.0	320.0	10.0	SS	Wh	M-C	S	A Alt. Vol.; S Gn MS incls.;	
							Cbn. fks. & Slt.	
320.0	320.5	0.5	SS	Gy	M	N	Semi-qtzc at base.	2
320.5	321.3	0.8	SS	Bk	F-M	A	A M fms.; A Gn. SS incls.;	3
							Partly contorted at base.;	
							Silty.	
321.3	321.6	0.3	SS	Gy	F	S	S U spks at top.	4
321.6	326.6	5.0	SS	Wh	F-M	S	A Alt. Vol.; M Gn. MS fms. and	
							incls.; Cbn. fks.	
326.6	328.6	2.0	SS	Wh/LGy	F	A	Cbn fks. and fms.; Trashy; L Gn.	
							MS fms.; Partly x-bedded.	
328.6	333.2	4.6	SS	Wh	F-M	S	A Alt. Vol.; S Gn. MS fms.	
333.2	342.1	8.9	SS	Wh	F	N	A Alt. Vol.; S Gn. MS incls.;	
							Silty at top; S calcite filled	
							joints.	
342.1	345.6	3.5	MS/ST	Gn		N	A itbd. Gy. qtzc. SS	
345.6	355.0	9.4	MS	R/Gn		N	Mot.; A itbd. Gy. qtzc. SS.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
2	320.0	320.5	0.5	0.01	0.45	
3	320.5	321.3	0.8	1.45	14.36	
4	321.3	321.6	0.3	0.19	0.14	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled
OBSS—ore bearing sandstone		
Int—interstitial		
Itbd—interbedded		

Hole No. JR JS31

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA 4826
Contract Idm E-1181
Beaver Mesa ~~Johnson Mesa Group~~

Type of Drill: Rotary

Drill-hole No. JR JS 32
Total depth: 259.0
Collar elev. 7018.2T

COORDINATES
North
East

Claim: Pack Ext. No. 1
Date started: May 20, 1958
Date completed: May 30, 1958

Summary of log	OBSS	Thick	SS Color	MS	Cbn
Favorable	185.0-251.5	66.5	Wh/Br/Gy	Under OBSS 0.3	S

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	185.0						Plug	
185.0	203.8	18.8	SS	Wh/LBr	F	N	N Alt. Vol.; A Lim. spks.; Lim.	
							in joints.	
203.8	203.9	0.1	MS	Gn		N		
203.9	217.2	13.3	SS	Wh/LBr	M-F	N	A Alt. Vol.; S Gn. MS incls.	
217.2	217.4	0.2	MS	Gn		N	Sandy	
217.4	217.8	0.4	MS	DGn		N	S bright R MS incls. (Se?).	15
217.8	219.2	1.4	SS	Gy	F	N	Semi-qtzcic.; A Lim. spks.;	
							Lim. filled joints.	16
219.2	220.5	1.3	SS	Gy	F	S	0.1 Sn. MS w/ bright R MS (Se?)	
				Pp cast			at 219.5.; S U spks.	17
220.5	221.6	1.1	SS	LGy	F	S	S U spks.; Pp Sm @ 221.3 (Se?)	18
221.6	228.3	6.7	SS	LGy	F	N	A Alt. Vol.; A Lim. spks.; S	
							Gn. MS incls.	
228.3	231.5	3.2	SS	Wh	VF-F	N	A Gn. MS ints.	
231.5	237.0	5.5	SS	Wh/LGy	F	N	A Lim. spks.; Qtzic.	
237.0	237.8	0.8	MS	Gn		N		
237.8	251.5	13.7	SS	Gn/Wh	VF	S	x-bedded.; contorted; A intbd.	
							qtzc SS.	
251.5	251.8	0.3	MS	Gn		N		
251.8	259.0	7.2	MS	D/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
15	217.4	217.8	0.4	0.03	0.80	
16	217.8	219.2	1.4	0.02	0.04	
17	219.2	220.5	1.3	0.06	0.05	
18	220.5	221.6	1.1	0.03	0.04	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. JR JS32

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA ~~XXXX~~ 4826
Contract Idm E-~~XXX~~ 1181
Beaver Mesa ~~XXXXXXXXXXXXXX~~

Type of Drill: Rotary

Drill-hole No. ~~JR~~ JS 33
Total depth: 372.0
Collar elev: 7156.0T

COORDINATES
North
East

Claim: Pack Rat No. 2
Date started: May 25, 1958
Date completed: May 26, 1958

Summary of log; OBSS; Thick; SS Color; MS; Cbn

	OBSS	Thick	SS Color	MS	Cbn
Favorable	319.9-366.0	46.1	Wh/Gy	Under OBSS 4.0	A

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	302.0						Plug	
302.0	306.5	4.5	MS	R/Gn		N	Mot.	
306.5	306.9	0.4	SS	LGn	VF-F	N		
306.9	311.6	4.7	SS	Gy/LR	VF-F	N	Qtzc.; S R MS incls.	
311.6	318.7	7.1	MS/ST	R/Gn		N	Mot.; S intbd. Gy. qtzc. SS; S intbd. Pp. SS (Mn?).	
318.7	319.9	1.2	MS/ST	Gn		N	Sandy	
319.9	322.9	3.0	SS	Wh/LGn	F-VF	N	Mod. Gn. MS incls.; Mod. Alt. Vol.; calcite.	
322.9	324.0	1.1	MS/SS	Gn		N	Intbd.	
324.0	339.3	15.3	SS	Wh/LGy	M-F	S	A Alt. Vol.; S Gn. MS Fms. and Cbn. Fks.; C at base.	
339.3	339.7	0.4	MS	DGn		N		
339.7	342.2	2.5	SS	Wh	M-C	N	A Alt. Vol.; S Gn. MS Fms.; Partly x-bedded.	
342.2	342.3	0.1	MS/ST	DGn		A	Cbn trash; S U Fms.; ST DGy.	1
342.3	343.0	0.7	SS	LGn/Wh	F	N	M int. Gn. MS.	
343.0	359.0	16.0	SS	Wh	F	N	A Alt. Vol.; M Gn. MS Fms. and incls.; Cbn. Fks.	
359.0	362.6	3.6	SS	Wh	F-M	S	A Alt. Vol.; S Gn MS Fms.	
362.6	362.8	0.2	MS	Gn		A	Trashy	
362.8	366.0	3.2	SS	Wh	F	N	A Alt. Vol.; Cbn. Fks. at 365.0.	
366.0	370.0	4.0	MS/ST	Gn		N	A intbd. VF Wh. SS	
370.0	372.0	2.0	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
1	342.2	342.3	0.1	0.05	0.55	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. ~~JR~~ JS33

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA [redacted] 4826
Contract Idm E-[redacted] 1181
Beaver Mesa [redacted]

Type of Drill: Rotary

Drill-hole No. [redacted] JS 34
Total depth: 293.0
Collar elev. 7083.9T

COORDINATES
North
East

Claim: Pack Pat No. 2
Date started: May 29, 1958
Date completed: May 29, 1958

Summary of log: Favorable; OBSS: 234.0-284.7; Thick: 50.7; SS Color: Wh/Gn; MS: Under OBSS 3.0; Cbn: s

DEPTH From	DEPTH To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	230.0						Plug	
230.0	234.0	4.0	MS	R/Gn		N	Mot.; A intbd LR Qtzc SS	
234.0	237.7	3.7	SS	LGn	F	N	A Alt Vol.	
237.7	237.8	0.1	MS	Gn		N		
237.8	246.8	9.0	SS	Wh	F	N	A Alt Vol.; Gn at top.	
246.8	247.2	0.4	SS	Bk	F	?		12
247.2	261.7	14.5	SS	Wh	F-M	S	A Alt. Vol.; Mod. Gn. MS Fms	
							and incls.	
261.7	277.4	15.7	SS	Wh	F	S	A Alt. Vol.; M Gn. MS Fms.	
277.4	284.7	7.3	SS	Wh	F-M	S	A Alt. Vol.; M Gn MS Fms and	
							incls.	
284.7	287.7	3.0	MS/ST	Gn		N		
287.7	293.0	5.3	MS	R/Gn		N	Mot.	

SAMPLE Number	From	To	Thick	Chemical Assay (%) U_3O_8	V_2O_5	$CaCO_3$
12	246.8	247.2	0.4	None	None	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. [redacted] JS34

DRILL HOLE LOG

New Idria Mining & Chemical Company

Docket DMEA [redacted] 4326
Contract Idm E-[redacted] 1181
Beaver Mesa [redacted]

Type of Drill: Rotary

Drill-hole No. XX JS 35
Total depth: 380.0
Collar elev. 7160.4T

COORDINATES
North:
East:

Claim: Pack Rat No. 2
Date started: May 22, 1958
Date completed: May 25, 1958

Summary of log	OBSS	Thick	SS Color	MS Under OBSS	Cbn
Favorable	317.0-369.3	52.3	Wh/Gy	6.1	N

DEPTH		DESCRIPTION						
From	To	Thick	Rock	Color	Grain	Carbon	REMARKS	Sample
0.0	305.0						Plug	
305.0	317.0	12.0	MS	R/Gn		N	Mot.; A intbd. Gy. Qtzc. SS	
317.0	322.7	5.7	SS	Gn	F	N	A Int. Gn. MS.	
322.7	348.9	26.2	SS	Wh	F-M	N	A Alt. Vol.; Gn. at top.; A Gn.	
							MS Fms. and incls.	
348.9	349.6	0.7	SS	Gy	F	N	X-bedded; S U Fms.	13
349.6	350.1	0.5	SS	LGy	F	N	A Alt. Vol.	14
350.1	367.6	17.5	SS	Wh	F-M	N	A Alt. Vol.; Cbn . Fks.; Mod. Gn.	
							MS Fms. and incls.	
367.6	369.3	1.7	SS	Wh	F-VF	S	A Alt. Vol.; A Gn. MS Fms.	
369.3	375.4	6.1	MS/ST	Gn		N	S intbd. Gy Qtzc. SS.	
375.4	380.0	4.6	MS	R/Gn		N	Mot.	

SAMPLE				Chemical Assay (%)		
Number	From	To	Thick	U_3O_8	V_2O_5	$CaCO_3$
13	348.9	349.6	0.7	0.09	1.11	
14	349.6	350.1	0.5	Tr	None	

Abbreviations

Wh—White	CG—conglomerate	CH—chert
Br—brown	SS—sandstone	Lim—limonite
R—red	MS—mudstone	Qtz—quartzite
Gy—gray	ST—siltstone	Fk—flakes
Bl—blue	F—fine	Sm—seams
Gn—green	M—medium	P—pebbles
Yw—yellow	C—coarse	L—light
Bk—black	N—none	D—dark
Pp—purple	S—sparse	Ls—limestone
Cbn—carbon	A—abundant	Mot—mottled

OBSS—ore bearing sandstone
Int—interstitial
Itbd—interbedded

Hole No. XX JS35

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~XR~~ JS 24

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed May 31, 1958 Probed By JW

Plug Depth 175.0' Core Interval 81.0'

Total Depth 256.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 175.0' To 256.0'

DEPTH FROM '	TO '	SCALE	READING	GRADE ESTIMATE
189.5	190.0	5	10	0.02
190.0	190.5	5	18	0.03
190.5	191.0	5	14	0.03
191.0	191.5	5	08	0.01
191.5	192.0	5	04	Tr
194.5	195.0	5	08	0.01
195.0	195.5	5	14	0.03
195.5	196.0	5	30	0.06
196.0	196.5	3	20	0.40
196.5	197.0	3	38	0.76
197.0	197.5	3	40	0.80
197.5	198.0	4	58	0.52
198.0	198.5	4	14	0.13
198.5	199.0	4	04	0.04
199.0	199.5	4	08	0.07
199.5	200.0	4	06	0.06

RESULTS

HOLE NO. ~~XR~~ JS 24

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 30

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXXX~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed May 29, 1958 Probed By JJ

Plug Depth 315.0' Core Interval 74.0'

Total Depth 389.0'

Type of Probe Unit Used Babbel Counter "870 with 500' reel and probe. Sti. 73/4 scale.

Probed—From 315.0' To 389.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
356.5	357.0	4	12	0.10
357.0	357.5	4	26	0.23
357.5	358.0	4	42	0.38
358.0	358.5	3	50	1.00
358.5	359.0	3	62	1.24
359.0	359.5	3	30	0.60
359.5	360.0	3	54	1.08
360.0	360.5	3	18	0.36
360.5	361.0	4	18	0.16
361.0	361.5	4	06	0.05
361.5	362.0	4	04	0.03
362.0	362.5	4	02	0.01

RESULTS

HOLE NO. ~~JR~~ JS 30

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 31

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~XXX~~ 4826

CONTRACT Idm E-~~XXX~~ 1181

Date Probed May 27, 1958 Probed By JW

Plug Depth 280.0' Core Interval 75.0'

Total Depth 355.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 280.0' To 355.0'

DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
318.0	318.5	4	04	0.03
318.5	319.0	4	06	0.05
319.0	319.5	4	12	0.10
319.5	320.0	4	24	0.21
320.0	320.5	3	30	0.60
320.5	321.0	3	56	1.12
321.0	321.5	4	38	0.34
321.5	322.0	4	12	0.10
322.0	322.5	4	04	0.03
322.5	323.0	4	04	0.03

RESULTS

HOLE NO. ~~JR~~ JS 31

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 32

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed May 30, 1958 Probed By JV

Plug Depth 185.0' Core Interval 74.0'

Total Depth 259.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 185.0' To 259.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
215.5	216.0	4	04	0.03
216.0	216.5	4	10	0.08
216.5	217.0	4	12	0.09
217.0	217.5	4	08	0.06
217.5	218.0	4	16	0.14
218.0	218.5	4	18	0.16
218.5	219.0	4	08	0.06
219.0	219.5	4	04	0.03

RESULTS

HOLE NO. ~~JR~~ JS 32

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~XR~~ JS 33

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXXX~~ 4326
CONTRACT Idm E-~~XXX~~ 1181

Date Probed May 21, 1958 Probed By JW

Plug Depth 302.0' Core Interval 70.0'

Total Depth 372.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 78/4 scale.

Probed—From 302.0' To 372.0'

DEPTH FROM	TO	SCALE	READING	GRADE ESTIMATE
	No reading			

RESULTS

HOLE NO. ~~XR~~ JS 33

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 34

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT
DOCKET NO. DMEA ~~XXX~~ 4826
CONTRACT Idm E-~~XXXX~~ 1181

Date Probed May 29, 1958 Probed By JW

Plug Depth 230.0' Core Interval 63.0'

Total Depth 293.0'

Type of Probe Unit Used Babbel Counter #870 with 500' reel and probe. Std. 75/4 scale.

Probed—From 230.0' To 293.0'

DEPTH FROM	DEPTH TO	SCALE	READING	GRADE ESTIMATE
	No reading			

RESULTS

HOLE NO. ~~JR~~ JS 34

DRILL HOLE RADIOACTIVITY LOG

Drill Hole No. ~~JR~~ JS 35

NEW IDRIA MINING & CHEMICAL COMPANY
Uranium Division

DMEA EXPLORATION PROJECT

DOCKET NO. DMEA ~~4494X~~ 4836

CONTRACT Idm E-~~1074X~~ 1181

Date Probed May 25, 1958 Probed By JM

Plug Depth 305.0' Core Interval 75.0'

Total Depth 380.0'

Type of Probe Unit Used Babbel Counter #670 with 500' reel and probe. Std. 72/4 scale.

Probed—From 305.0' To 380.0'

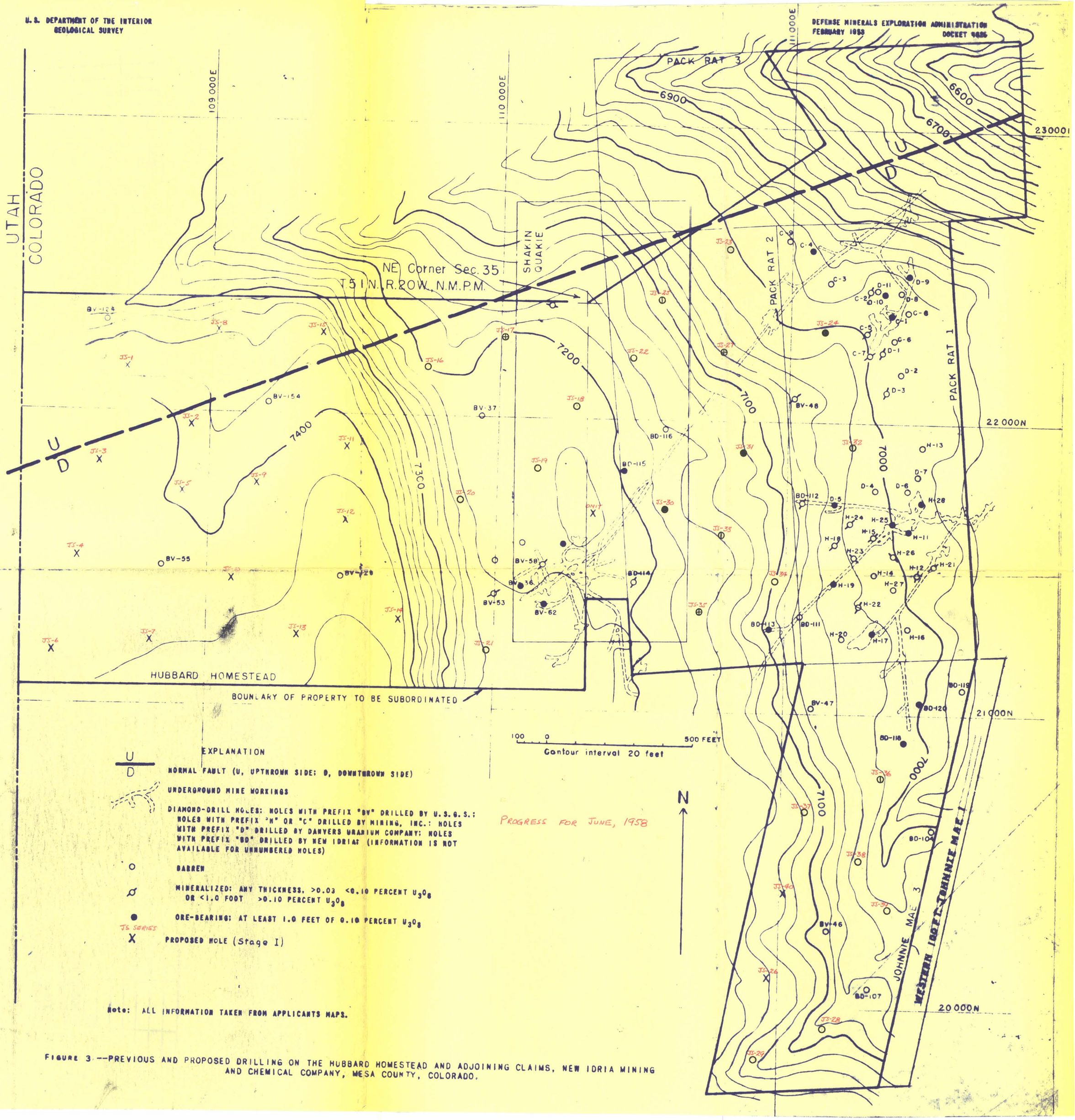
DEPTH FROM'	TO'	SCALE	READING	GRADE ESTIMATE
340.0	342.5	4	10	0.08
342.5	350.0	4	12	0.09
350.0	350.5	4	06	0.05

RESULTS

HOLE NO. ~~JR~~ JS 35

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1958
DOCKET 9686

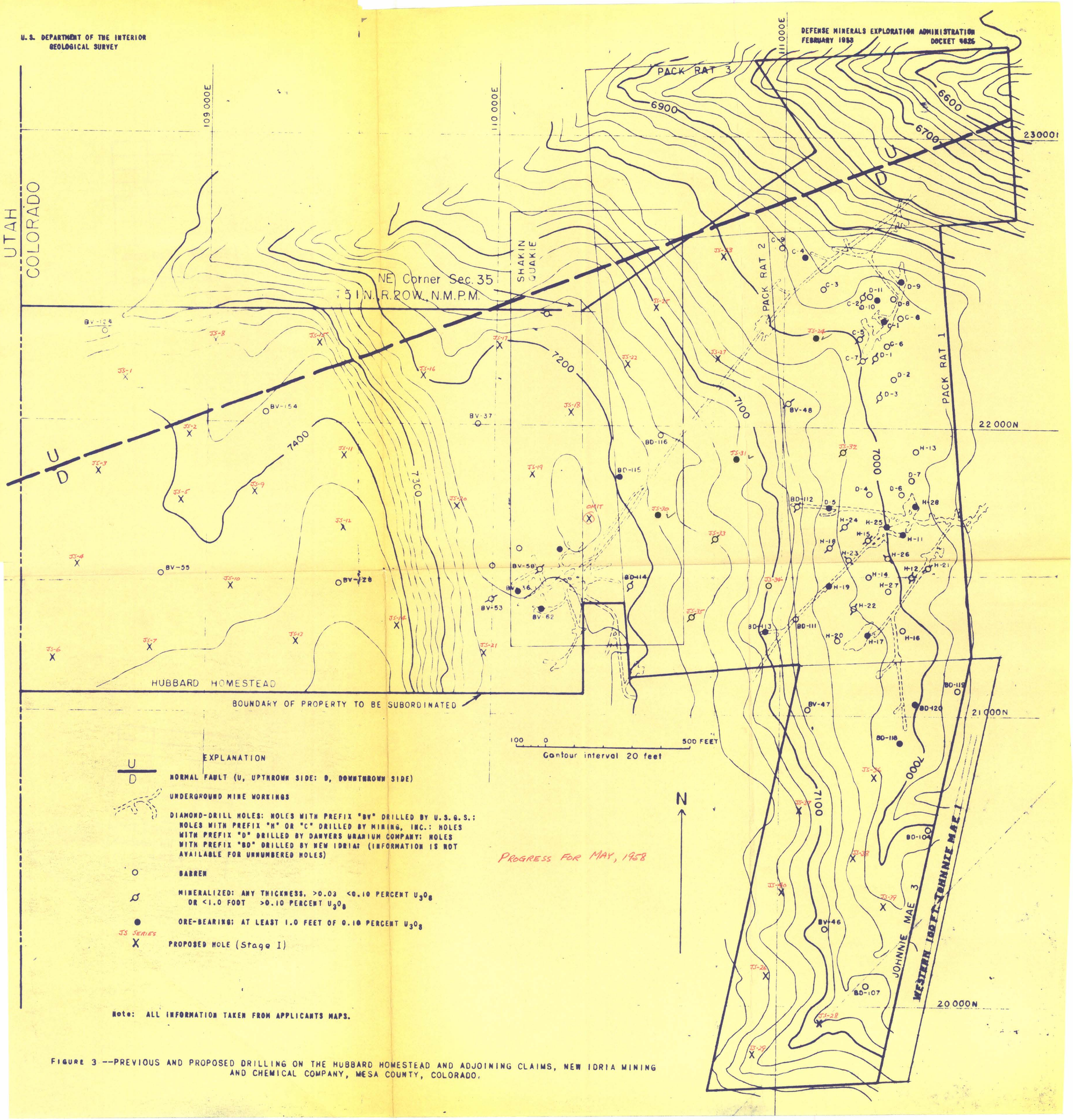


Note: ALL INFORMATION TAKEN FROM APPLICANTS MAPS.

FIGURE 3.--PREVIOUS AND PROPOSED DRILLING ON THE HUBBARD HOMESTEAD AND ADJOINING CLAIMS, NEW IDRIA MINING AND CHEMICAL COMPANY, MESA COUNTY, COLORADO.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1953
DOCKET 4625



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U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1959
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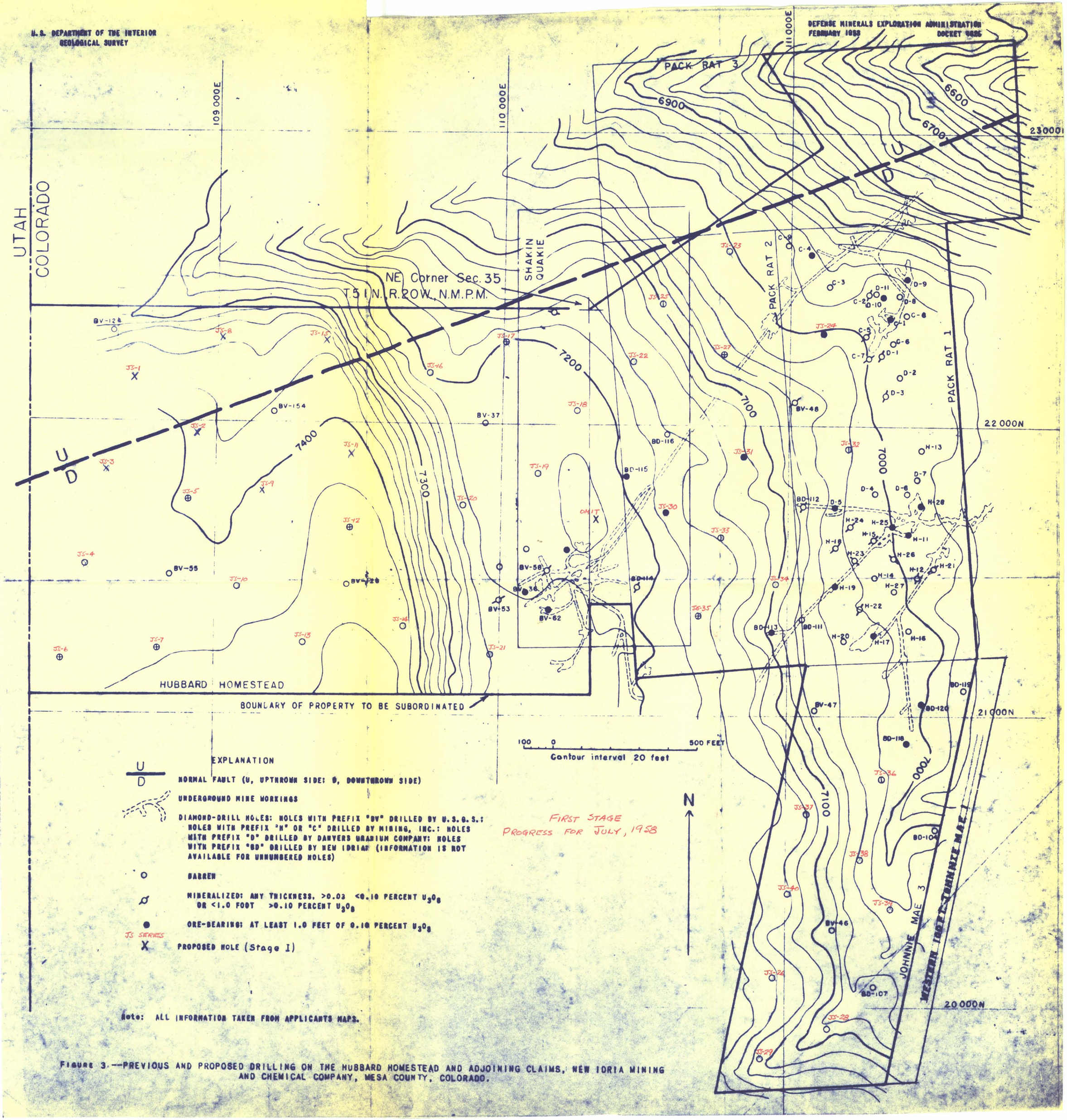

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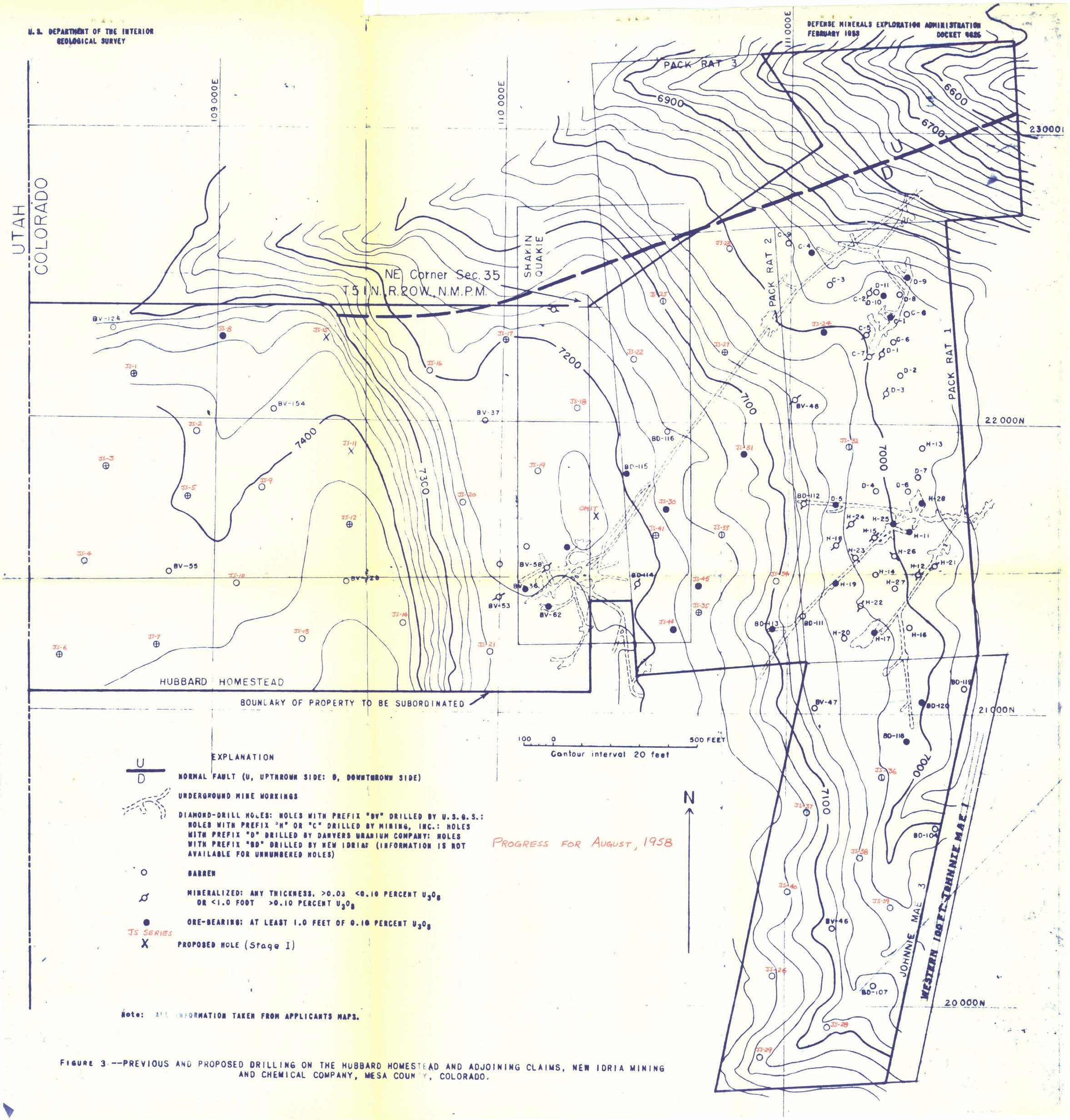
U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1958
DOCKET 9626



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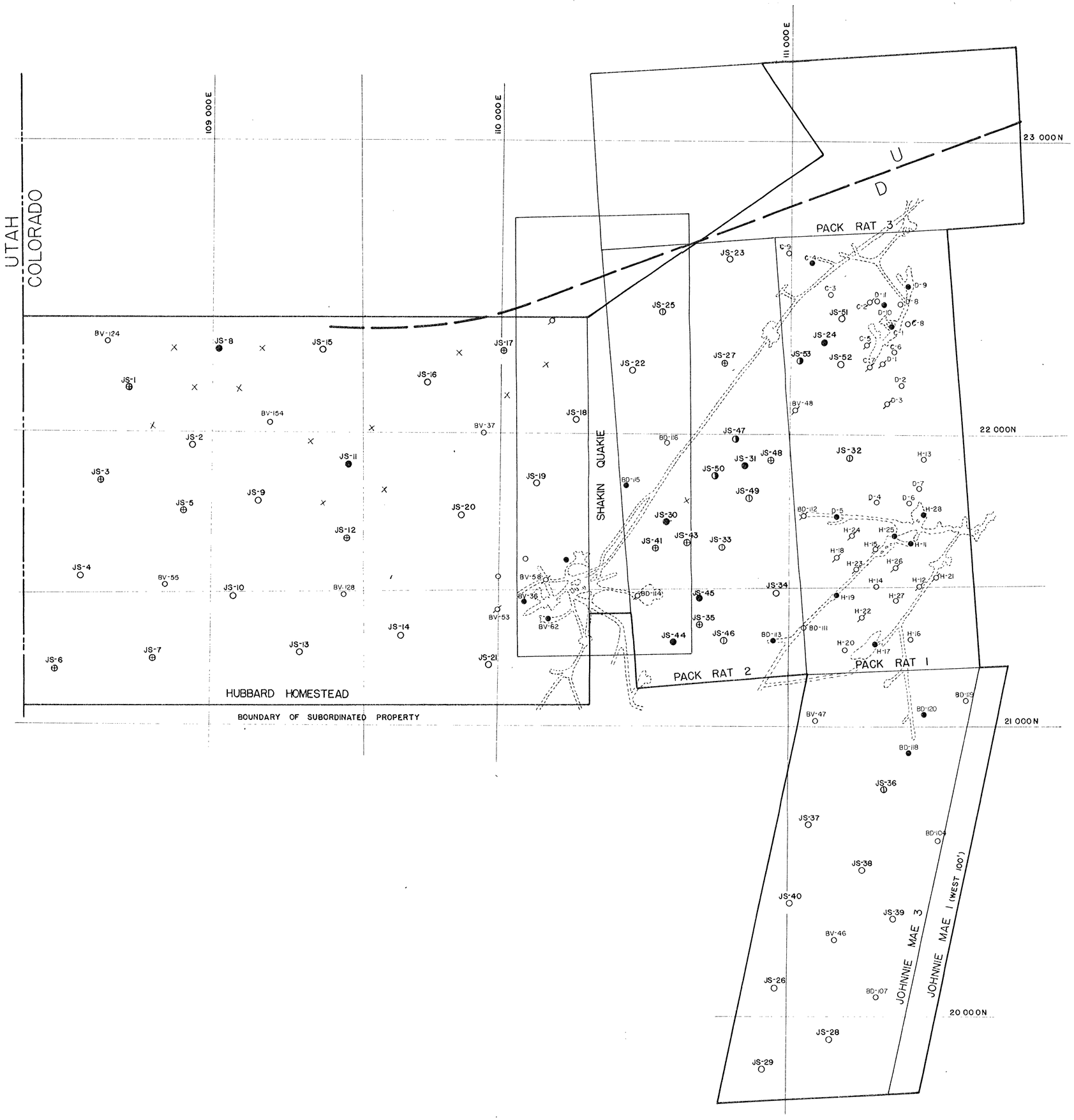


LEGEND

- FAULT
- UNDERGROUND WORKINGS
- ○ BARREN HOLES
- PREVIOUSLY DRILLED MINERALIZED HOLES
- JS SERIES WEAKLY MINERALIZED HOLES
- JS SERIES STRONGLY MINERALIZED HOLES
- HALF ORE HOLES; ORE GRADE, NOT MINEABLE THICKNESS
- ● ORE HOLES
- × APPROVED SECOND STAGE HOLES

NOTE:

FIRST STAGE HOLES: JS-1 TO JS-40, INCL.
SECOND STAGE HOLES: JS-41 TO JS-69, INCL.

PROGRESS FOR SEPTEMBER, 1958

URANIUM DIVISION
NEW IDRIA MINING & CHEMICAL COMPANY

P.O. BOX 311, GRAND JUNCTION, COLORADO

DMEA DOCKET NO. 4826 (URANIUM)
CONTRACT NO. IDM-E1181
HUBBARD HOMESTEAD, PACK RAT, ET AL., CLAIMS
MESA COUNTY, COLORADO

SCALE: 1" = 200'
BY: D.N.

LEGEND

- FAULT
- UNDERGROUND WORKINGS
- BARREN HOLES
- PREVIOUSLY DRILLED MINERALIZED HOLES
- JS SERIES WEAKLY MINERALIZED HOLES
- JS SERIES STRONGLY MINERALIZED HOLES
- HALF ORE HOLES, ORE GRADE, NOT MINEABLE THICKNESS
- ORE HOLES
- APPROVED SECOND STAGE HOLES

NOTE:

FIRST STAGE HOLES: JS-1 TO JS-40, INCL.
SECOND STAGE HOLES: JS-41 TO JS-69, INCL.

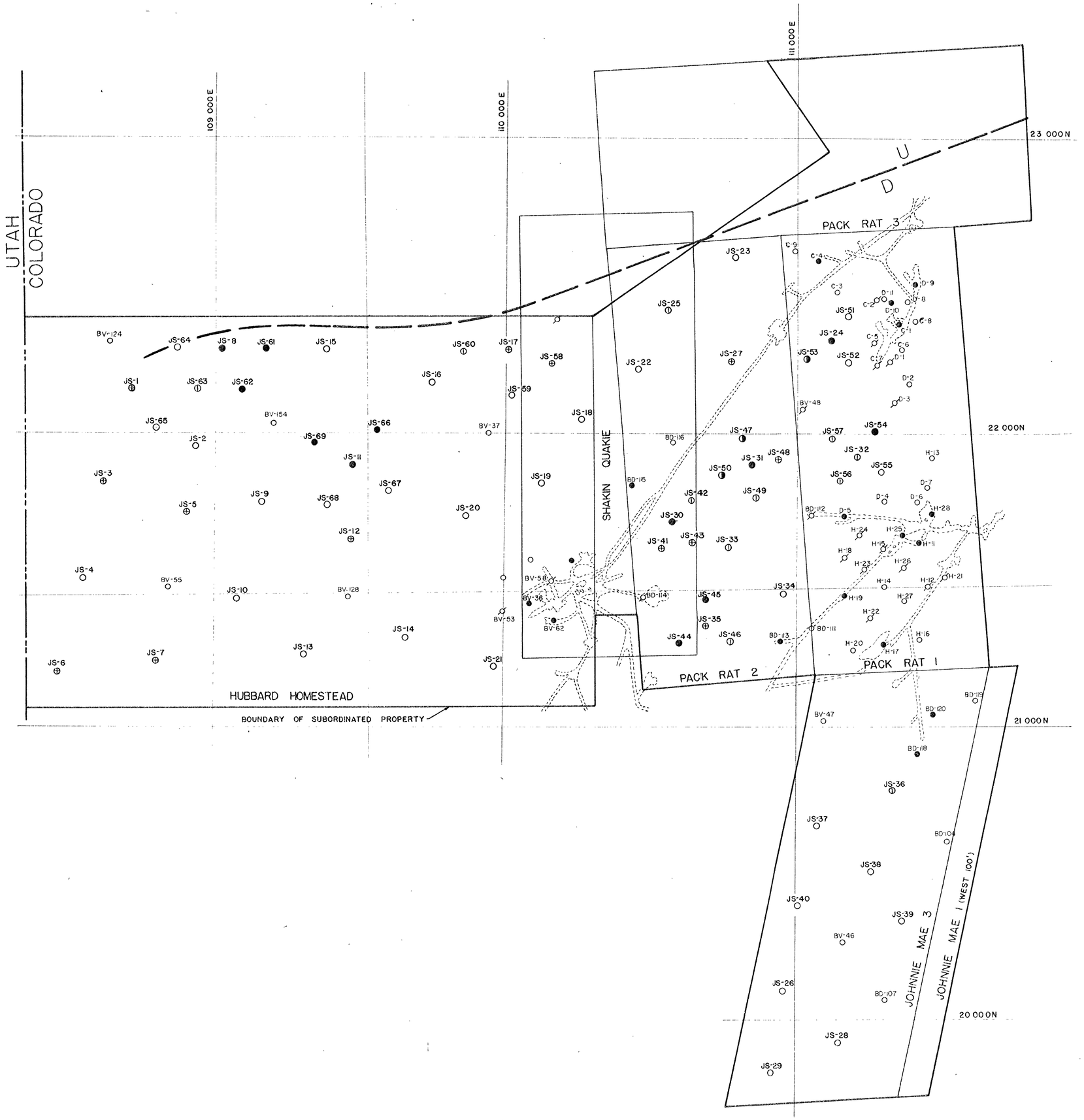
PROGRESS FOR OCTOBER, 1958

URANIUM DIVISION
NEW IDRIA MINING & CHEMICAL COMPANY

P.O. BOX 311, GRAND JUNCTION, COLORADO

DMEA DOCKET NO. 4826 (URANIUM)
CONTRACT NO. IDM-E1181
HUBBARD HOMESTEAD, PACK RAT, ET AL., CLAIMS
MESA COUNTY, COLORADO

SCALE: 1" = 200'
BY: D.N.



LEGEND

- FAULT
- UNDERGROUND WORKINGS
- ○ BARREN HOLES
- PREVIOUSLY DRILLED MINERALIZED HOLES
- JS SERIES WEAKLY MINERALIZED HOLES
- JS SERIES STRONGLY MINERALIZED HOLES
- HALF ORE HOLES; ORE GRADE, NOT MINEABLE THICKNESS
- ORE HOLES

NOTE:

FIRST STAGE HOLES: JS-1 TO JS-40, INCL.

SECOND STAGE HOLES: JS-41 TO JS-69, INCL.

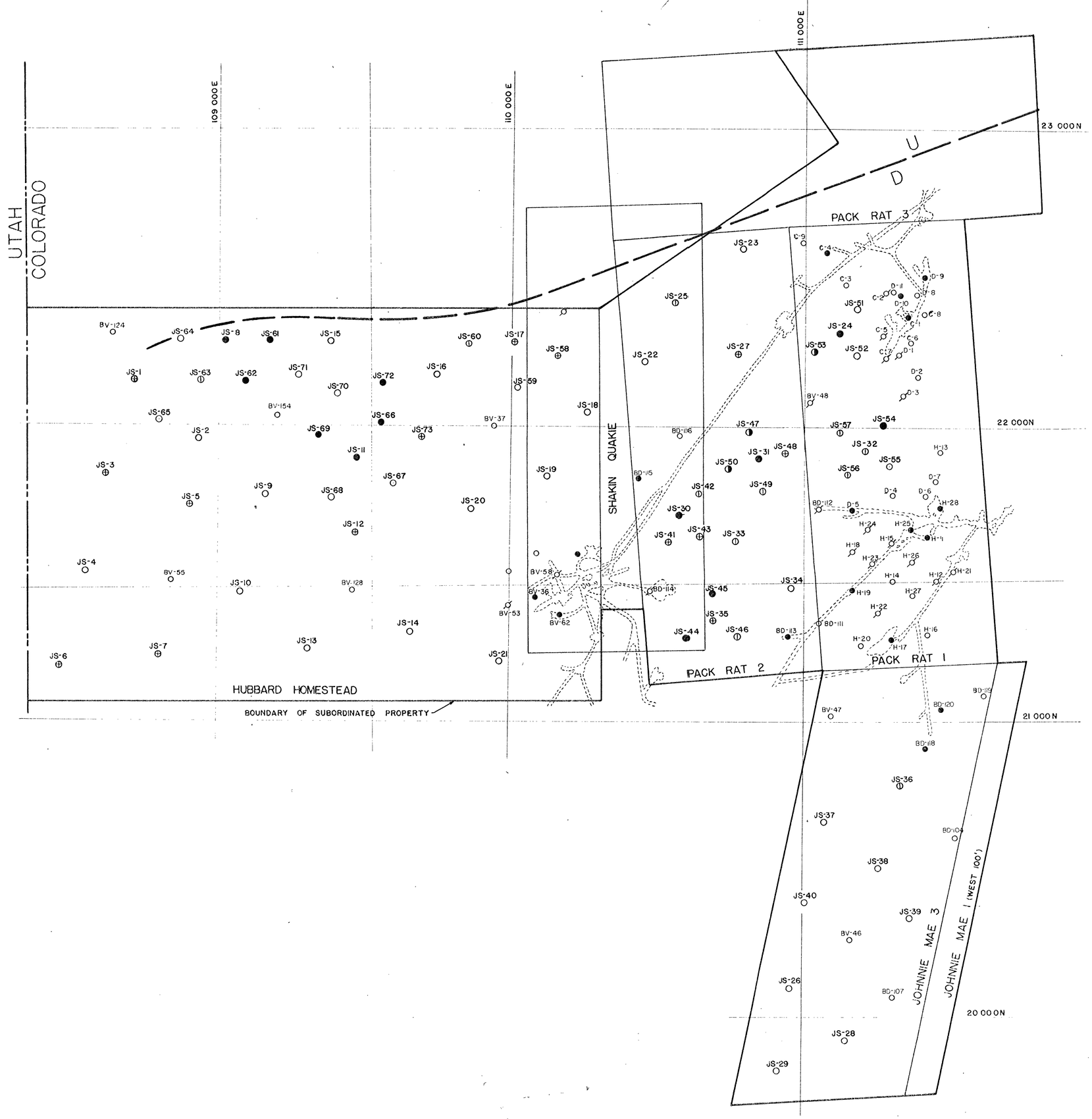
PROGRESS FOR NOVEMBER, 1958

URANIUM DIVISION
NEW IDRIA MINING & CHEMICAL COMPANY

P.O. BOX 311, GRAND JUNCTION, COLORADO

DMEA DOCKET NO. 4826 (URANIUM)
CONTRACT NO. IDM-E1181
HUBBARD HOMESTEAD, PACK RAT, ET AL., CLAIMS
MESA COUNTY, COLORADO

SCALE: 1" = 200'
BY: D.N.



LEGEND

- FAULT
- UNDERGROUND WORKINGS
- BARREN HOLES
- PREVIOUSLY DRILLED MINERALIZED HOLES
- JS SERIES WEAKLY MINERALIZED HOLES
- JS SERIES STRONGLY MINERALIZED HOLES
- HALF ORE HOLES; ORE GRADE, NOT MINEABLE THICKNESS
- ORE HOLES

NOTE:

FIRST STAGE HOLES: JS-1 TO JS-40, INCL.

SECOND STAGE HOLES: JS-41 TO JS-73, INCL.

PROGRESS FOR JANUARY, 1959

URANIUM DIVISION
NEW IDRIA MINING & CHEMICAL COMPANY

P.O. BOX 311, GRAND JUNCTION, COLORADO

DMEA DOCKET NO. 4826 (URANIUM)
CONTRACT NO. IDM-E1181
HUBBARD HOMESTEAD, PACK RAT, ET AL., CLAIMS
MESA COUNTY, COLORADO

SCALE: 1" = 200'
BY: D.N.