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

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OCT - 8 1956

Administrative Audit Difference Statement

Pacific Drilling Mines Company
[illegible] North [illegible] Avenue,
Los Angeles 5, California

FINAL DISTRIBUTION
MADE OCT 5 1956

Date: October 5, 1956
Payee's
Reference: August 1956

DME A-3928

Gentlemen:

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

Amount Claimed	$	10,122.00
Difference	$	20.00
Amount Approved	$	10,102.00

The reason for the difference was due to:

Explain:

Ordered 200 ft core-drilling in hole [illegible]. Recover 21 holes in 20; indicated 202 ft. drilled.

(1) 2 ft. core drilling @ 10.00 per ft.	20.00
(2) Incidental allowance for 3 ft of drilling @ .33 per ft.	.33
Total Amount to be disallowed.	20.00

Remarks: (20.00) pending performance of additional work under Stage II, and for Stage III.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.

RECEIVED OCT - 3 1956

224 New Customhouse
Denver 2, Colorado

October 3, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3928 (Uranium) Contract Idm-E926, Pacific Uranium Mines Company (Red, Ajax and Wills claims) Emery County, Utah - Operator's Monthly Progress Report for the month of August, 1956

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.

It is deemed 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 on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

All currently approved work has been completed, therefore withhold an amount of $500.00 pending the performance of additional work under Stage II and/or Stage III, if requested by the Operator and approved by the Government.

The Operator has reported the cost of 295 feet of drilling in Hole M-4. However, the lithologic log for Hole M-4 indicates a total depth of only 292 feet. The cost of 3 feet of core drilling is to be disallowed as indicated below, subject to possible reinstatement if substantiated by a corrected lithologic log for the hole and an explanatory statement from the Operator.

Disallow

a) the cost of three feet of core drilling in Hole M-4 at $3.50 per foot - - - - - - - - - - - $10.50

b) incidental allowance for three feet of drilling at $0.125 per foot - - - - - - - - - - - - 0.38

Total amount to be disallowed $10.88

Reconciliation with Amount Reported by the Operator on Form MF-104 for August, 1956

Amount reported -	$10,422.82
Amount to be disallowed - - - - - - - - - - - - - - - - - - -	10.88
Total accepted cost for August, 1956 - - - - - - - - - - -	$10,411.94
Government participation at 75 percent - - - - - - - -	$ 7,808.96
Amount to be withheld - - - - - - - - - - - - - - - - - - -	500.00
Balance due the Operator	$ 7,308.96

Remarks

Date of Report - - - - - - - - - - - - September 10, 1956
Date Received in Field Office - - - September 14, 1956
Date Received in Region Office - - September 19, 1956
Reason for delay - Held in Regional Office pending return of signed narrative report from Operator.

W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy
cc: MF-104 File E926
Sec. Op. Comm. (2)
Shaw (2)
Harshman)
Townsend) w/copy engr's report
Chron.

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OCT 5 1956

DMEA
DEPARTMENT OF THE INTERIOR

SEP 19 1956

REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
September 18, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3928 (Uranium) Contract Idm-2926, Pacific Uranium Mines Company, (Red, Ajax and Wills claims) Emery County, Utah -- Progress report for August 1956

Drilling progress was inspected on August 31, 1956.

Drilling, which had been suspended for July, was resumed on August 1, and Stage II drilling was completed on August 30. All holes were drilled as shown, with the exception of holes M3 and M7, which had to be shifted a few feet because of boulders. The following holes were completed during August 1956:

Hole	Footage non-core	Footage core	Footage Total	% Core Recovery	Uranium Mineralization
M-1	281	70	351	74	4 Anomalies - slight
M-2	373	48	421	92	3 Anomalies - slight
M-3	165	89	254	79	223.8'-225.8' - 0.45% U_3O_8
M-4	225	70	295	87	188.3'-188.8' - 0.01% "
M-5	270	74	344	96	Barren
M-6	347	78	425	60	2 Anomalies - slight
M-7	170	69	239	64	3 Anomalies - slight
M-8	207	78	285	83	2 Anomalies - slight
M-9	255	78	333	88	320'-321.1' - 0.07% U_3O_8
M-10	320	80	400	78	392' and 397' - slight "
M-11	170	85	255	91	169', 199' and 212' - slight"
M-12	195	75	270	81	220' and 264' - slight anomalies
M-13	192	75	267	98	(215'-216' - 1.48% U_3O_8
M-14	192	70	262	91	(225.5'-225.8' - 0.44% U_3O_8
					(248.9'-249.3' - 0.03% "
					(249.3'-250.3' - 0.50% "
M-15	155	98	253	91	243.7' - slight anomaly
15	3517	1137	4654	84	All cores 'BX' or larger

8 samples were run for uranium and vanadium.

Allowed costs are as follows:

Non-core drilling, 3517 feet at $1.50 a foot	$5275.50
Core drilling, 1137 feet at $3.50 a foot	3979.50
Incidental allowance 4654 feet at $0.125 a foot	581.75
Bulldozing, Stage I, 20 hrs. at $11.00/hr	220.00
*Bulldozing, ripper, travel time, 32.607 hrs at $10.00/hr	326.07
Chemical Assays, 8 at $5.00 each	40.00
Total	$10422.82

* The statement for Stage II bulldozing is somewhat irregular but is not out of line and was paid for by the operator.

Payment of 75 percent of the above amount or $7,817.12 is recommended.

Carl Belser

Carl Belser
Mining Engineer

CB/mw
cc: 6
Idm-R926
Chron

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 OCT - 3 1956

Month of August, 1956 Docket No. DMEA 3928 Contract No. Ian-2926
Operator's Name Pacific Uranium Mines Company Minerals Uranium
Address 292 South La Cienega Blvd, Beverly Hills, Calif.
Contract Amount, $ 73,306.00 Government Participation: 75 % Amount, $ 54,980.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Nemecore	5,275.50	11,007.00	16,282.50			
Bulldozing	3,979.50	7,773.50	11,753.00			
Crosscutting						
Drifting						
Bulldozing	546.07		546.07			
(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	40.00	75.00	115.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Incidental allowance (4654 x 0.125)	582.75	1,194.87	1,776.62			
(8) Contingencies (specify):						
TOTALS	10,422.82	20,050.37	30,473.19	10,411.94	20,050.37	30,462.31

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

Date Sept 10, 1956 Payee Hughlett W Evans

Per _____ Title Vice-president

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:

$ 7308.96

Signature _____
(Authorized Certifying Officer)

Date 10/4/56 Vou. No. DMA 57-43

(See other side)

Note: Withheld 500.00

(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. Edx-E926 in accordance with the terms of the contract.

Signature Carl Nelson (7,817.12) Title Mining Engineer Date 9/17/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature W. M. Lowry Title Executive Officer Date OCT 3 1956

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

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1956 Docket No. DMEA 3928 Contract No. Idm-5926
Operator's Name Pacific Uranium Mines Company Minerals uranium
Address 292 South La Cienega Blvd, Beverly Hills, Calif

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
Drilling-non core				11,007.00	7338	1.50	7200	* 1.50
Crosscutting -core				6,773.50	2221	3.50	2480	3.50
Raising Bulldozing		220.00	20	220.00	20	11.00	20	11.00
Shafts Incidental Allowed				1,194.87	9559	0.125	9680	0.125
Winzes Assays				75.00	15	5.00	30	5.00
Drilling: Core Drilling-Noncore		5,275.50	3517	5,275.50	3517	1.50	13000	1.50
Churn -core		3,979.50	1137	3,979.50	1137	3.50	2000	3.50
Auger Bulldozing		326.07	33	326.07	33	10.00	80	**11.00
Stripping Incidental Allowed		581.75	4654	581.75	4654	0.125	15000	0.125
Trenching Assays		40.00	8	40.00	8	5.00	45	5.00
Test Pits Drilling-noncore							10800	1.50
Roads and Trails -core							1200	3.50
Bulldozing							61	11.00
Incidental assays							12000	0.125
TOTAL DISTRIBUTED COSTS		10,422.82		30,473.19			39	TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		10,422.82		30,473.19				73,306.00

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 10, 1956 Operator Hugh W Evans

Per Title Vice-president

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: Note: Amendment No 2 to contract dated 25 June 1956.
*Letter dated 22 June 1956 requested excess funds in core drilling to used to offset over-expenditure of funds in non-core drilling.
** 7½ hrs trucking charge @ 9.50 /hr, 25½ hrs bulldozer @ $10.00/hr

(For Government use only)

Earl Baker

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

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AUGUST NARRATIVE REPORT

DMEA 3928 CONTRACT IDM-E926

INTRODUCTION:

Stage II drilling was begun August 1, 1956, and completed August 29, 1956. This report covers the work done in August under DMEA Docket No. 3928, Contract IDM-E926. No work was done under this contract during the month of July, 1956. Included with this narrative report are DMEA Forms MF-104 and 104 A, Monthly Exploration Drilling Summary, Assay Result Sheets, Radiometric Logs, Drill Hole Progress Map, Drill Hole Cross Sections, signed bills pertinent to the contract, and the Drillers' Daily Logs.

STAGE II SUMMARY

Stage II was started and completed in August, 1956. In twenty-five working days 15 holes were drilled, of which two were classified as ore holes, two as mineralized and eleven as favorable.

The total Stage II expenditures amounted to $11,449.36, of this $10,202.82 was authorized by the contract and $1246.54 was on Pacific's own account. The authorized expenditures were distributed as follows: drilling, non-core $5275.50; core, $3,979.50; bulldozing, $546.07; assaying, $40.00; incidental, $581.75. The expenditures on Pacific's own account were as follows: standby time, $312.50; bulldozing, $25.00; incidental, $909.04. The average weekly expense for the month of August was $2860.00.

Stage III plans as yet are not complete, therefore they will be covered under a separate report which the operator should submit the latter half of September. Sufficient favorability was encountered in Stages I and II, according to the operator, to warrant a full-scale Stage III drilling program.

DRILLING

A total of 3517 feet of non-core, and 1137 feet of core, or a combined total of 4654 feet of hole were drilled in August.

The monthly average core recovery was 84%. The recovery on drill holes D-6 and D-7 was especially low, 60% and 64% respectively. Alternating mudstone and sandstone seams and some fracturing seemed to be the cause for this low recovery.

A considerable amount of standby time was charged against the operator during August--25 hours. Eleven hours were the result of waiting for USGS and AEC logging units to probe holes before the casing was pulled. Fourteen hours were the result of the lack of a bulldozer. Three drill roads which had been prepared at the start of Stage II proved to be inaccessible due to sand or steep grades. A dozer had been arranged for in advance, but a cloudburst trapped the dozer truck in a dry wash and two days passed before other arrangements for transportation could be made. One drill was kept on standby during part of this period. But all drills were laid off on August 18 and 19 during the time of road preparation. A bulldozer repaired the grades and sites on August 18th.

The operator plans on having considerably less standby time in Stage III because the contractor will attempt to drill without using casing.

BULLDOZING

Twenty-seven bulldozer hours at $10 per hour were spent in the preparation of drill roads and grades. The total cost for bulldozer work was $351.07. Included in this cost is $71.07 for transportation and $10 for the use of a ripper.

Two and one-half bulldozer hours were spent in the preparation of offset grades around D-19. This expense which amounted to $25 was not authorized by the contract.

RADIOMETRIC PROBING

All holes drilled during August were probed by the USGS, AEC and Pacific. The radiometric logs included with this report only show the radiometric information gained from either ore or mineralized holes. The probing information on all barren holes is shown at the bottom of Drill Hole Log.

A probe and 240 feet of cable were lost in drill hole M-13. Two days were spent in an unsuccessful attempt to recover this equipment.

RECLASSIFICATION OF DRILL HOLES

To be consistent in the classification of drill holes within the Wareham Claim group, it is necessary to reclassify G-33 and G-20. These holes were drilled in the Spring of 1955 and classified as "mineralized" and "ore" respectively. It has been the operator's policy to classify holes as "ore" when they show one foot or more of 0.20% or better uranium mineralization.

G-33 shows on its AEC radiometric log 1.6 feet of 0.60% U_3O_8, and therefore has been reclassified as an ore hole. The original chemical assay on this hole was low, but since the chemical and radiometric assays check on D-19, (40 feet northwest) it is now assumed the original chemical assays on G-33 were off. This was suspected at the time the hole was drilled but was not proved.

The chemical assay on G-20 shows 2.3 feet of 0.13% U_3O_8. This hole has been reclassified as mineralized.

Hugh W. Evans
Vice President
Pacific Uranium Mines Company
HUGH W. EVANS
207 Fifth Avenue
Salt Lake City, Utah

Pacific Uranium Mines Company
MONTHLY EXPLORATION DRILLING SUMMARY

Location: Green River, Utah Month: August, 1956 Engineer in Charge: H. W. Evans

STATISTICAL

Hole No.	Contractor	Date Started	Date Completed	Coordinates North	Coordinates East	Collar Elev.	Depth	Footage Plug	Footage Core	% Core Rec.	Standby Time	Cost Plug	Cost Core	Cost Other	Cost Total
M-1	Scott & Poc	8/3	8/9	501386	495808	4407	351	281	70	74		421.50	245.00		666.50
M-2	Scott	8/6	8/14	501303	496199	4449	421	373	48	92		559.50	168.00		727.50
M-3	Scott & Poc	8/9	8/21	501167	494977	4400	254	165	89	79		247.50	311.50		559.00
M-4	Scott & Poc	8/1	8/7	501148	495324	4399	295	225	70	87	3/4 hr.	337.50	245.00	9.38	591.88
M-5	Scott & Poc	8/1	8/4	501064	495715	4401	344	270	74	96	1½ hr.	405.00	259.00	18.75	682.75
M-6	Scott	8/20	8/23	500975	496120	4442	425	347	78	60		520.50	273.00		793.50
M-7	Scott & Poc	8/9	8/15	500852	494807	4396	239	170	69	64	1½ hr.	255.00	241.50	18.75	515.25
M-8	Scott & Poc	8/2	8/11	500768	495198	4399	285	207	78	83		310.50	273.00		583.50
M-9	Scott & Poc	8/2	8/9	500684	495590	4402	333	255	78	88	2 hr.	382.50	273.00	25.00	655.50
M-10	Poc	8/21	8/29	500601	495980	4434	400	320	80	78		480.00	280.00		760.00
M-11	Scott & Poc	8/10	8/22	500500	494694	4408	255	170	85	91	1½ hr.	255.00	297.50	18.75	571.25
M-12	Scott & Poc	8/7	8/11	500381	495061	4400	270	195	75	81	3/4 hr.	292.50	262.50	9.37	564.37
M-13	Scott	8/10	8/11	500093	494557	4423	267	192	75	98		288.00	262.50		550.50
M-14	Scott & Poc	8/12	8/17	500017	494951	4393	262	192	70	91	3 hr.	288.00	245.00	37.50	570.50
M-15	Scott	8/12	8/16	499619	494812	4390	253	155	98	91	(14 hr.*)	232.50	343.00	175.00	750.50
Total	15 holes	26 working days					4654	3517	1137	84		$5275.50	$3979.50	$312.50	$9567.50**

*Delay due to inability of Engineer in charge to procure a bulldozer.

GEOLOGICAL

Hole No.	Contact Depths JM66 JMSW			Ore Bearing Sandstone From	To	Thickness	Classification Ore	Min'	Fav	Unf	Assay Chemical Interval	Mineral	%	Radiometric Interval	%	Remarks
M-1	303			303	345	42			X							
M-2	380			382	416	34			X							
M-3	191			191	246	55		X			223.8-4.8	U308	0.09	224.8-5.8	0.04	First hole lost
M-4	231			231	273	42			X							V205-0.38 & 0.18
M-5	294			294	339	45			X							
M-6	383			383	423	40			X							
M-7	185			190	223	33			X							
M-8	234			234	280	46			X							
M-9	286			286	327	41		X			320.0-1.1	U308	0.07			V205-0.02
M-10	372			372	399	27			X							
M-11	190			190	223	33			X							
M-12	228			228	266	38			X							
M-13	194			194	267	71	X				215.0-6.0	U308	1.48	225.5-5.8	0.44	3.6 V205 in M-13-1
M-14	222			222	255	33	X				248.8-9.3	U308	0.03	249.3-50.3	0.50	V205-0.06 trace
M-15	162(?)			212	249	37			X							
Totals and Averages						41	2	2	11	0						

**Total does not include bulldozing or incidental costs

RECEIVED
OCT - 8 1956

PACIFIC URANIUM MINES COMPANY
Green River, Utah-DMEA

RADIOMETRIC LOGS

Hole No.	Date Probed	Max Depth Probed	Depth	% U_3O_8	Classification
M-3	8/21/56	251	224.5	0.02	Min
			225.0	0.00	
			225.4 peak	0.21	
			225.5	0.06	
			226.0	0.12	
			226.5	0.20	
			227.0	0.08	
M-9	8/9/56	332.5	45.5	anomaly	Min
			48.1		
			320.1	0.10	
			320.5 peak	0.60	
			320.6	0.58	
			321.1	0.19	
			321.6	0.04	
			322.1	0.02	
			322.6	0.01	
			323.1	0.03	
			323.1	0.03	
			323.6	0.05	
			324.1	0.05	
			324.6	0.01	
M-13	8/11/56	263.5	216.0	0.04	Ore
			216.5	0.16	
			217.0	0.98	
			217.5	1.58	
			218.0	0.36	
			218.5	0.36	
			269.0	anomaly	
M-14	8/17/56	260	223.5	anomaly	
			248.0	0.04	
			248.5	0.16	
			249.0	0.75	
			249.2 peak	0.98	
			249.5	0.62	
			250.0	0.11	
			250.5	0.04	

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy H-22 - NX core

Contractor Scott & Pocahontas

Drill-hole No. M-1
Total depth 351
Collar elev. 4407
Area Green River, Utah
Coordinates North N 501,386
East E 495,808

Claim Rad 2
Date started 8/3/56
Date completed 8/9/56 @ 5:00 pm
Logged by H.W. Evans
Tie --
Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore _____ OBSS 303-45 Thick 42' SS color Gy Cbn S
Unf. _____ Min. _____ Barren

MS color under OBSS Gy,Ga

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	281					281	Plug
281	303	M S//St	GaRdGy	VF	N	22	Mottled color @ top. MS//St
303	345	SS	Gy-GyGa	F to Cgl	S	42	S Gy Ga MS gls, S alt feldspar near top, S chert pbls. Upper portion of SS has Br tinge. High core loss in lower portion. Grain size varies fr F to Cgl in sms. Cbn in sms & flakes
345	351	ST//MS	GyGa-Rd	VF	N	6	

Total footage cored 70.0
Core pulled 52.0
Per cent core recovery 74 %

Lime content abundant in MS and at top and bottom of SS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
188.5	1.0			an							
326.6	1.1			an							
333.5	1.0			an							
342.5	1.0			an							

Counter used Babbal 610 on 8/9/56 to 350' Drill-hole No. M-1

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - NX core

Contractor Scott

Drill-hole No. M-2

Total depth 421

Collar elev. 4449

Area Green River, Utah

Coordinates North 501,303

East 496,199

Claim Red 2

Date started 8/6/56

Date completed 8/14/56 @ 9:00 am

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore OBSS 382 Thick 34' SS color Gy Gn -Gy Cbn S

Unf. Min. 416

MS color under OBSS Gy Gn

Barren

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	345					345	Plug
345	354	CG	Wh-Gy	Ggl	N	9	Very dense with f gr SS matrix
354	382					28	Plug
382	392	SS	Gy-Gn	F	S	10	S alt feldspar Cbn flakes
							in thn sms
392	405	CG	Gy	Ggl	N	13	S SS sms & gy ms gls
							C gr SS matrix
405	416	SS	Gy	F-M	N	11	Sms of F & M gr xtals
							S thin MS sms S alt
							feldspar. SS grades into St
416	421	St-Ms	Gy Gn	VF	N	5	

Total footage cored 48.0

Core pulled 43.4

Per cent core recovery 92 %

Lime content generally low throughout SS.

Sample		Probe			Core Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical %	%	%	
298				un							
414				an							
419				an							

Counter used Tabbel 610 on 8/14/56 to 421 Drill-hole No. M-2

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy HD 22 - BX Core

Contractor Scott & Pocahontas

RECEIVED

OCT - 3 1956

Drill-hole No. M-3

Total depth 254

Collar elev. 4400

Area Green River, Utah

Coordinates North 501,167

East 494,977

Claim Red 1

Date started 8/9/56

Date completed 8/21/56 @ 11:00 am

Logged by H. W. Evans

Tie ---

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore ____ OBSS 191 Thick 55' SS color Gy-Wh Cbn S

Unf. ____ Min. X 246

MS color under OBSS Gy Gn

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	161					161	Plug (Actual on 1st hole 165)
161	167	SS//MS	Gy Rd Br	VF	N	6	
167	191	MS//St	Rd-Gy Gn	VF	N	24	
191	246	SS	Gy Wh Gn	VF-C-VF	S	55	A pbls & cgl sms in SS fr 204-224. A gy to dr gy MS sms & gls fr 220-232. A cbn flakes in sms fr 225-232. S cu mineralization in cbn sm 231. SS appears laminated in lower portion due to thn gy MS sms. S alt feldspar in upper portion of SS samples taken 223.8-4.8 & 224.8-5.8.
246	251	MS//St	Gy Gn	VF	N	S 5	
251	253	SS	Lt Gy	VF	N	2	Almost ST
253	254	MS	RD Gy	UF	N	1	Mottled

*Lost first hole after plugging 165' & coring 43'. Plugged second hole 203' cored it 51'. Second hole was 4' lower than first. There was 1' of actual core overlap.

Total footage cored 94 *

Core pulled 74

Per cent core recovery 79 %

Lime content abundant thru MS & upper & lower portions of SS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core X Cuttings Cir.	Set	Read U%	Chemical U %	Chemical V%	Chemical %	Remarks
224.8	1.0						↓ 0.10	0.09	0.38		M-3-1
225.8	1.0						- 0.10	0.04	0.18		M-3-2

Counter used Babbel 610 on 8/21/56 to 250 Drill-hole No. M-3

See Radiometric Log for details

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22HD-BX core

Contractor Scott & Pocahontas

Drill-hole No. M-4

Total depth 295

Collar elev. 4399

Area Green River, Utah

Coordinates North 501,143

East 495,324

Claim Red 2

Date started 8-1-56

Date completed 8-7-56 @ 10:00 A.M.

Logged by H. W. Evans

Tie

Core checked for Rad. HWE Hole probed AEC, USGS

Summary

Mav. X Ore OBSS 231-273 Thick 42 SS color Gy Cbn S in SMS

Unf. Min.

Barren

MS color under OBSS Gn

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	225					225	Plug
225	231	MS	Gy Gn	VF	N	6	
231	238	SS	GyWhGn	M	N	7	Bright colored chert pbls & a GnGy MS gls & SMS
238	248	CG	GyGn	CGL	S	10	S large Cbn flakes in SMS M to CGR SS SMS in CG. also S Gn MS gls & SMS
248	273	SS	Gy	M-VC	S	25	A glt feldspor. Thn DrGy MS SM @ 254. S cbn flks @ 259. Vert fracture coated with $CaCO_3$ @ 269
273	285	MS//ST	GnRdGn	VF	N	12	Mottled RdGn towards base
285	292	SS	GyRd	VF	N	7	A SMS of MS & ST. Vert fracture coated with $CaCO_3$ xtals @ 288; appears to be mineralized @ 289. 0.5' sample No. M-4-1 cut- 288.3-288.8

Total footage cored 70.0

Core pulled 60.8

Per cent core recovery 87 %

Lime content Generally low thru Middle of OBSS but high on both top & bottom

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core & Cuttings Cir.	Set	Read	Chemical U %	V %	%	Remarks
288.8	0.5'			none				0.01			M-4-1
274.8	1.2			an							

Counter used Babbel 610 as 5/7/56 to 276

Drill-hole No. M-4

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22 HD-BX core

Contractor Scott & Pocahontas

RECEIVED

OCT - 3 1956

Drill-hole No. M-5

Total depth 344

Collar elev. 4410

Area Green River, Utah

Coordinates North 501,064

East 495,715

Claim Red #2

Date started 8-1-56

Date completed 8-4-56 @ 11:30 A.M.

Logged by H. W. Evans

Tie

Core checked for Rad. HWE Hole probed AEC&USGS

Summary

Fav. X Ore OBSS 294-339 Thick 45 SS color GyWh Cbn S

Unf. Min. Barren

MS color under OBSS GnRd

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	270					270	Plug
270	278	SS	WhGy	F-M	N	8	Dense Wh SS with S alt feldspar
278	294	MS	GyGn	VF	N	16	S sandstone & S mottled Rd color
294	300	SS	GyWh	F-C	N	6	Grades rapidly fr F to C SS
300	321	CG	GyWh	CGL	N	21	C to M Gr SS in CG. A chert pbls. A Gy MS gls towards base
321	339	SS	DkLT Gy	M-F	S	18	A alt feldspar & S Dk Gy MS gls & SMS. Cbn in Dk Gy MS SMS
339	344	MS	GnRd	VF	N	5	

Total footage cored 74.0

Core pulled 71.2

Per cent core recovery 96 %

Lime content Generally low thru out OBSS but abundant immediately and below MS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
											no anomaly

Counter used Babbel 610 on 8/4/56 to 344 Drill-hole No. M-5

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - NX Core

Contractor Scott

Drill-hole No. M-6

Total depth 425

Collar elev. 4442

Area Green River, Utah

Coordinates North 500,975

East 496,120

Claim Red 2

Date started 8/20/56

Date completed 8/23/56 @ 2:00 pm

Logged by H.W. Evans

Tie

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore Barren OBSS 383 - 423 Thick 40' SS color GnGy-Gy Cbn S

Unf. Min.

MS color under OBSS Gy

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	330					330	Plug
330	332	CG	Gy Wh	Cgl	N	2	
332	333	MS	Gy Gn	VF	N	1	
333	350					17	Plug
350	354	SS	Wh	VF	N	4	
354	360	CG	Gy Wh	Cgl	N	6	S gn [illegible] oms
360	365	ST	Gy Wh	VF	N	5	Dense
365	383	MS	Gy Gn	VF	N	18	
383	389	SS	Gn Gy	Cgl-VF	N	6	SS g[illegible]des rapidly fr Cgl to V[illegible] A chert pbls
389	390	MS	Gn	VF	N	1	
390	408	SS	Gy Wh	F	N	1[illegible]	Poo[illegible]y rounded xtals. S alt[illegible]eldspar. Sugary ty[illegible] SS in lower portion
408	414	CG	Gy Gn	Cgl	S	6	S [illegible]ar SS oms. A gy to[illegible]dr dy MS gls & oms. C[illegible] at base in Gy MS//SS Sm.
414	423	SS	Gy	VF	S	9	C[illegible] A fr 421-423
423	425	MS	Gy Rd	VF	N	2	[illegible]ttled

Total footage cored 78.0

Core pulled 47.1

Per cent core recovery 78 %

Lime content Mostly abundant but a little lower thru SS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cir.	Core Set	Core Read	Cuttings Chemical %	Cuttings Chemical %	Cuttings Chemical %	Remarks
415				an							
417				an							

Counter used ~~Rabbal 630 on 8/23/56 to 425~~

Drill-hole No. M-6

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy HR22 - BX Core

Contractor Scott & Pocahontas

Drill-hole No. M-7

Total depth 239

Collar elev. 4396

Area Green River, Utah

Coordinates North 500,852

East 494,807

Claim Red 1

Date started 8/9/56

Date completed 8/15/56 @ 1:00 pm

Logged by H.W. Evans

Tie --

Core checked for Rad. ____ Hole probed ____

Summary

Fav. X Ore ____ OBSS 190-223 Thick 33' + (?) SS color Gy Cbn S

Unf. ____ Min. ____

Barren

MS color under OBSS Gn Gy

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	145					145	Plug
145	152	SS//St	Wh-Rd Wh	F-VF	N	7	SS grades into St//MS
152	165	MS	Gy Gn	VF	N	13	
165	190					25	Plug
190	223	SS	Gy-Wh Gy	M-F	S	33	CG//SS fr 195-210
							S alt feldspar. S Gy to
							dr gy MS gls & sms
							210.5 -11.5 Cbn & weakly
							mineralized.
223	229	ST	Gn Gy	VF	N	6	
229	234	SS	Gn Gy	VF	Sp	5	SS w/ A thn MS sms appears
							laminated. Con in thn flakes
234	238	SS//St	Gy	VF	N	4	
238	239	St	Rd	VF	N	1	

Total footage cored 69.0

Core pulled 44.1

Per cent core recovery 64 %

Lime content Generally low thru OBSS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
207.7	1.2			an							
212.8	1.3			an							
221.0	1.1			an							

Counter used Cathbel 610 on 8/15/56 to 224 Drill-hole No. M-7

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22 HD - BX Core

Contractor Scott & Pocahontas

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Drill-hole No. M-8
Total depth 285
Collar elev. 4399
Area Green River, Utah
Coordinates North 500,768
East 495,198

Claim Red 4
Date started 8/2/56
Date completed 8/11/56 @ 5:00 pm
Logged by M.W. Evans
Tie ---
Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore _____ OBSS 234-280 Thick 46' SS color Gy Cbn S
Unf. _____ Min. _____
Barren

MS color under OBSS Gy-Rd

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	207					207	Plug
207	215	SS	Wh	F	N	8	Dense. Thn C gr SS sm @ base
215	234	MS//St	Gy Gn	VF	N	19	
234	246	SS	Gy	VF-C	N	12	Dense @ top grading into Cgl @
							base. S MS in SS. Many
							collored chert pbls.
246	256	CG	Gy	Cgl	S	10	Gy gn MS gls @ top. Cbn. in sms
256	280	SS	Gy	C-VF	S	24	S cgl in upper portion. or gy
							to gy MS gls & sms @ 265 & base.
							A cbn in very thn sms near base.
280	285	MS	Gy Rd	VF	N	5	Mottled

Total footage cored 78.0
Core pulled 68.0
Per cent core recovery 83 %

Lime content Low thru OBSS to 15' fr bottom where it becomes abundant

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
265	1.2			[illegible]							
275.9	1.9			[illegible]							

Counter [illegible]

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22 HD-BX core

Contractor Scott & Pocahontas

Drill-hole No. M-9

Total depth 333

Collar elev. 4402

Area Green River, Utah

Coordinates North 500,684

East 495,590

Claim Ajax Fraction #21

Date started 8-2-56

Date completed 8-9-56 @ 12:00 noon

Logged by H. W. Evans

Tie

Core checked for Rad. HWE Hole probed USGS, AEC,

Summary 267-8 slight anomaly 320.0-0.4 POC 0.10%U3O8

Fav. X Ore OBSS 286-327 Thick 41' SS color GyWh Cbn S as flks in SMS

Unf. Min. X

MS color under OBSS Gy,

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	255					255	Plug
255	260	CG	WhGy	Cgl	N	5	Dense & massive
260	279	SS	DKGy-GyGn	VF-VC		19	A dk gy to gy gn Ms gls & SMS S chert pbls & alt feldspar towards base. Possible mineralization - 267-268
279	286	MS//ST	GyGn	VF	N	7	
286	320	SS	GyWh	F//M	S	34	F alt with M gr SS both becoming coarser with depth. S CGL SMS from 307 to base. Also Gy Gn MS gls & SMS in lower portion Cbn flakes in SMS with MS & in SS
320	324	ST	DKGy	VF	S(?)	4	All appears slightly mineralized. Sample M-9-1-320.0-321.1
324	327	SS	Gy	F	S(?)	3	Very dense
327	333	MS//ST	Gy-DKGy	VF	N	6	

Total footage cored 78.0

Core pulled 68.8

Per cent core recovery 88 %

Lime content Varys considerably from low to high with little to no pattern

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core X Cutting Cir.	Set	Read	Chemical U %	V %	%	Remarks
321.1	1.1		Approx 0.30					0.07	0.02		M-9-1

Counter used Babbel 610 on 8/9/56 to 332.5 Drill-hole No. M-9

See the geologic log for details

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Joy 22 M D - BX Core

Contractor Pocahontas

Drill-hole No. M-10

Total depth 400

Collar elev. 4434

Area Green River, Utah

Coordinates North 500,601

East 495,980

Claim Ajax 21

Date started 8/21/56

Date completed 8/29/56 @ 11:00 am

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore OBSS 372-99 Thick 27 SS color Wh Cbn S to A

Unf. Min.

Barren

MS color under OBSS Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	313					313	Plug
313	315	SS	Wh Gy	M	N	2	
315	317	CG	Gy Wh	Cgl	N	2	A gn MS gls & sms. Matrix dense SS
317	324					7	Plug
324	344	ST	Gn Gy	VF	N	20	Dense w/ S gn to pp-gr MS gls & sms. Grades into SS.
344	351	SS	Gy Wh	F-Cgl	N	7	Cgl fr 345-48. Dense. Lower portion banded.
351	355	ST	Gy	VF	N	4	
355	358	SS	Gy Gn	VF	N	3	Appears laminated due to MS sms.
358	372	MS	Gn	VF	N	14	
372	399	SS	Wh	F-VC	N	27	S Cbn in sms @ 375 & 390-9. A alt feldspar. A pbls thru out. MS gls @ base. Very thin mineralized sms @ 392.8 approx 0.06% & 397 anomaly only.
399	400	MS	Gn	VF	N	1	

Total footage cored 80.0

Core pulled 62.4

Per cent core recovery 78 %

Lime content abundant except fr 365 to 372 & 374 to 397 where it is low.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
392.8				0.06%							
397				an							

Counter used Babbel 610 on 8/30/56 to 292

Drill-hole No. M-10

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22 HO -BX Core

Contractor Scott & Pocahontas

Drill-hole No. M-11

Total depth 255

Collar elev. 4408

Area Green River, Utah

Coordinates North 500,500
East 494,694

Claim Rod 1

Date started 8/10/56

Date completed 8/22/56 @ 9:30 am

Logged by E. W. Evans

Tie ---

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore _____ OBSS 190-223 Thick 33 SS color Gy Wh-Wh Cbn S

Unf. _____ Min. _____ _____ _____ _____

Barren

MS color under OBSS Gy Gn ,

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	170					170	Plug *
170	171	SS	Gy Wh	M	N	1	Dense W/A chert pbls
171	180	St//Ms	Gy Gn	VF	N	9	Grades fr SS into ST
180	185	SS	Gy Wh	F	N	5	St @ base
185	190	MS	Gy Gn	VF	N	5	Contains a few Rd chert pbls
190	223	SS	Gy Wh-Wh	F-VC	S	33	Gn muddy SS on 191-2. S cgl & chert pbls to 210 in sms. S alt feldspar. Cbn in sms @ 214 & 221-3. A dr gy MS gls & sms 210-4 & 220-3.
223	230	MS	Gy Gn	VF	N	7	Rd MS near base
230	233	SS	Gy Wh	F-VF	Sp	3	Cbn in very small spks
233	235	MS	Gy Gn	VF	N	2	
235	255	SS	Gy	F	Sp	20	Cbn sp @ base only. S grgn MS sms & gls
							* Scott records show plugged to 168'

Total footage cored 85.0

Core pulled 77.1

Per cent core recovery 91 %

Lime content generally low thru OBSS but otherwise abundant

Sample		Probe			Core Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical %	%	%	
169	2.0			an							
199	4.0			an							
212				an							

Counter used: Nuclear 110 on 8/22/56 to 254

Drill-hole No. M-11

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22HD - RX Core

Contractor Scott & Pocahontas

Drill-hole No. M-12

Total depth 270

Collar elev. 4400

Area Green River, Utah

Coordinates North 500,381

East 495,061

Claim Red 4

Date started 8/7/56

Date completed 8/11/56

Logged by H.W. Evans

Tie ---

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore _____ OBSS 228-266 Thick 38 SS color Gy Cbn A&M

Unf. _____ Min. _____ Barren

MS color under OBSS Gy Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
							Description
0	195					195	Plug
195	203	CG	Wh	Cal	N	8	Dense W/a SS sms
203	215	SS	Wh	VF	A	12	Cbn A Fr 7 21-
215	217	CG	Gy	Cal	N	2	Dr gy chert pbls
217	228	MS	Dr Gy Gn	VF	N	11	S Rd MS & S ST
228	266	SS	Gy	*	M&A	38	* Grain size varied considerably in sms fr 1 to 8 thick. Sizes vary fr VF to Cgl. S alt feldspar cbn 233-7, 248 & 262-5 inflakes & sms. A gy to Dr Gy MS gls & sms @ base
266	270	MS/ST	Gy Gn	VF	N	4	

Total footage cored 75.0

Core pulled 60.4

Per cent core recovery 81 %

Lime content with exception of middle MS split is low

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
220				an							
264				an							

Continued ... 266 to 269 Drill-hole No. M-12

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - NX Core

Contractor Scott

RECEIVED

OCT - 8 1956

Drill-hole No. M-13

Total depth 267 *

Collar elev. 4423

Area Green River, Utah

Coordinates North 500,093

East 494,557

Claim Red 5

Date started 8/10/56

Date completed 8/11/56

Logged by H.W. Evans

Tie ---

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore X OBSS 194-267 Thick 71' SS color Gy Cbn S

Unf. Min.

MS color under OBSS ---

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	192					192	Plug
192	194	St//MS	Gy Gn	VF	N	2	
194	197	SS	Gy	F	N	3	S alt feldspar
197	224	CG	Gy wh	Cgl	N	27	M to C SS matrix & S SS sms in upper portion. Sppears banded due concentration on gy chert pbls.
224	267	SS	Gy	MF	S	43	Mineralized 215-216 & 225.5-225.8. Or bk cbn trash in thn sms 231-2. A dr gy MS gls 242-245. S gy gn MS gls in low portion.
							* Hole stopped at 267 because this was 3' below est depth and ore mineralization was encountered in the zone cored.

Total footage cored 75.0

Core pulled 73.5

Per cent core recovery 98 %

Lime content Grade from low at the top to abundant at the base

Sample		Probe			Core X Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical U %	V %	%	
216.0	1.0							1.48	3.60		M-13-1
225.8	0.3							0.44	0.00		M-13-2

Counter used [illegible] Drill-hole No. M-13

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy 22 HD - BX Core

Contractor Scott & Pocahontas

RECEIVED

OCT - 3 1956

Drill-hole No. M-14

Total depth 262

Collar elev. 4393

Area Green River, Utah

Coordinates North 500,017

East 494,951

Claim Red 4

Date started 8/12/56

Date completed 8/17/56 @ 1:00 pm

Logged by H. W. Evans

Tie ---

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore X OBSS 222-255 Thick 33' SS color Gy Wh Cbn S-A

Unf. Min.

MS color under OBSS Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	192					192	Plug
192	208	SS	Gy Wh	F-Cgl	S	16	Vertcast @ 194 Cbn flakes in the sms. Porous
208	222	St//MS	Gn	VF	N	14	Very Gn color. S small pbls in MS. MS grades into ST & then SS.
222	235	CG	Gy Wh-Gy	M -Cgl	N	13	Predominately CG with S SS sms, A gy MS gls to sms make up matrix @ base
235	255	SS	Wh-Gy	VF-- F	S-A	20	Long vert tract @ 238-9. Cbn in thn sms. Mineralized 248.8-9.3 & 249.3-50.3.
255	262	MS	Gn Rd	VF	N	7	Mottled color @ base

Total footage cored 70.0

Core pulled 63.5

Per cent core recovery 91 %

Lime content Low thru sandstones

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core X Cuttings Cir.	Set	Read	Chemical U %	V %	%	Remarks
249.3	0.5							0.03	0.06		M-14-1
250.3	1.0							0.50	Tr		M-14-2

Counter used Babbel 610 on 8/17/56 to 250.0 Drill-hole No. M-14

See Radiometric [illegible]

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - NX Core

Contractor Scott

Drill-hole No. M-15

Total depth 253

Collar elev. 4990

Area Green River, Utah

Coordinates North 499,619

East 494,812

Claim Red 4

Date started 8/12/56

Date completed 8/16/56 @ 9:00 am

Logged by H. W. Evans

Tie ---

Core checked for Rad. X Hole probed USGS & AEC

Summary

Fav. X Ore _____ OBSS 162-203 Thick 41' SS color Gy wh Cbn S

Unf. _____ Min. _____ 212-348 36' Gy S

MS color under OBSS Gy Gn, Gy-Rd

Barren

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	155					155	Plug
155	157	CG	Wh	Cgl	N	2	Dense
157	162	MS-St	Rd - Gy	Sm VF	N	5	
162	168	CG	Gy Wh	Cgl	N	6	A small petrified bone or
							piece of wood which showed
							calcopyrite xtals & iron staining
							was included in the core @ 162.5'
168	203	SS	Gy Wh-Gn	F-VF	S	35	Cgl @ 174-6 & 197-9 S alt feld-
							spar. Cbn sm containing pyrite
							@ 183
203	212	St-MS	Gy Gn	VF	N	9	
212	248	SS	Gy	VF-C	S	36	Nonporous & poorly rounded
							xtals @ top. Cbn @ 231 & 241
							in thn sms. A dr gy MS sms f
							242 to 248. S Cgl @ 237-9
248	253	St-MS	Gy-Rd	VF	N	5	

Total footage cored 98.0

Core pulled 88.7

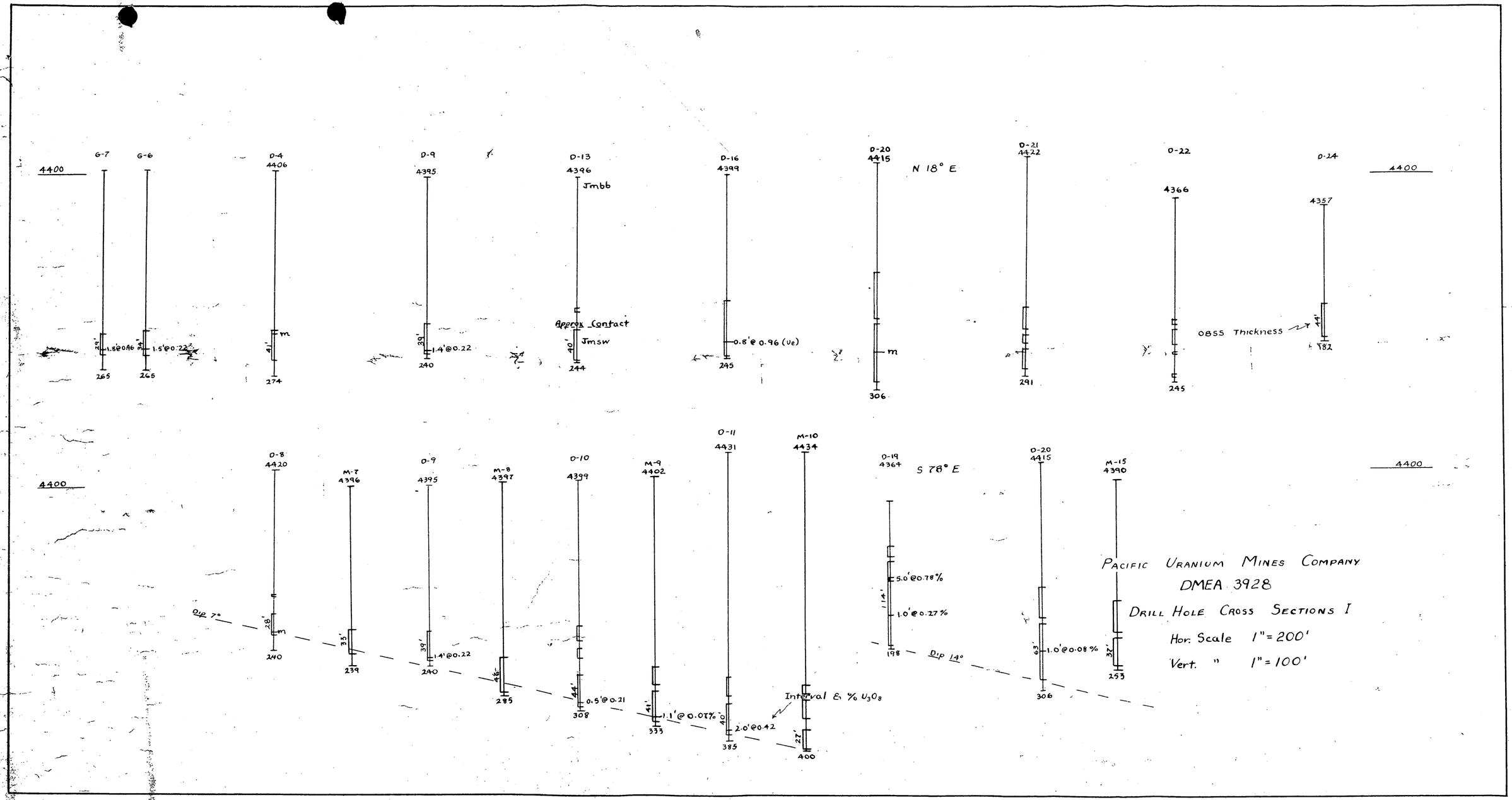
Per cent core recovery 91 %

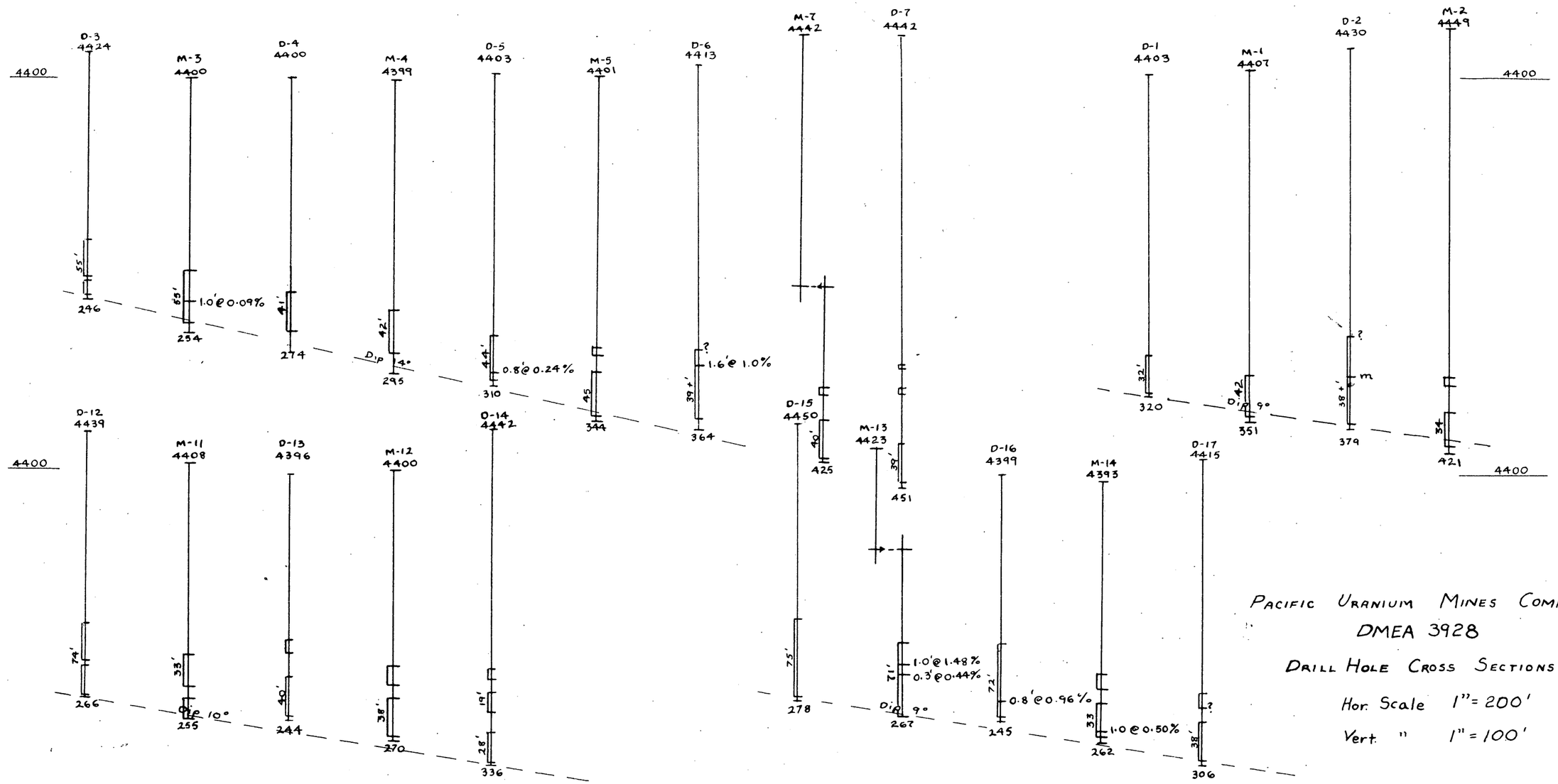
Lime content Generally low thru SS and high in & near MS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
243.7	0.8			an							

Counter used [illegible]

Drill-hole No. M-15


4400
G-7
G-6
D-4
4406
D-9
4395
D-13
4396
Jmbb
D-16
4399
D-20
4415
N 18° E
D-21
4422
D-22
4366
D-24
4357
4400
29'
1.5'@0.96
34'
1.5'@0.22
265
266
41'
m
274
39'
1.4'@0.22
240
Approx Contact
40'
Jmsw
244
0.8'@0.96 (Ve)
245
m
306
291
OBSS Thickness
44'
182
245
4400
D-8
4420
M-7
4396
D-9
4395
M-8
4397
D-10
4399
M-9
4402
D-11
4431
M-10
4434
D-19
4364
S 78° E
D-20
4415
M-15
4390
4400
Dip 7°
28'
3
240
35'
239
39'
1.4'@0.22
240
46'
285
44'
0.5'@0.21
308
41'
1.1'@0.07%
333
40'
2.0'@0.42
385
Interval & % U_3O_8
27'
400
5.0'@0.78%
114'
1.0'@0.27%
198
Dip 14°
63'
1.0'@0.08%
306
37'
253
Pacific Uranium Mines Company
DMEA 3928
Drill Hole Cross Sections I
Hor. Scale 1" = 200'
Vert. " 1" = 100'



PACIFIC URANIUM MINES COMPANY

DMEA 3928

DRILL HOLE CROSS SECTIONS II

Hor. Scale 1" = 200'

Vert. " 1" = 100'

8/10/56

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

RECEIVED AUG 10 1956

Administrative Audit Difference Statement

Pacific Uranium Mines Co.
1235 South Vermont Avenue,
Los Angeles 6, California

Date: August 7, 1956
Payee's Reference: June 1956

FINAL DISTRIBUTION MADE AUG 8 1956

Gentlemen:

DMEA-3928

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

Amount Claimed	$ 3,617.00
Difference	$ 25.00
Amount Approved	$ 3,592.00

The reason for the difference was due to:

Reinstate:

All samples have now been analyzed for both Uranium and Vanadium therefore the previously disallowed costs are to be reinstated -

April 1956, 2 samples @ $3.50 per sample	$ 7.00
May 1956, 8 samples @ $3.50 per sample	28.00
Total Amount to be reinstated -	$ 35.00

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

August 3, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3928 (Uranium) Contract Idm-E926, Pacific Uranium Mines Company (Red, Ajax and Wills claims) Emery County, Utah - Operator's Monthly Progress Report for the month of June, 1956

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.

It is deemed 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 on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, and also subject to subsequent audit by the Contract Administration and Audit Division, DMEA.

Reinstatement:

The costs reported for 10 samples analyzed for Uranium were disallowed in processing the April, 1956 and May, 1956 vouchers, inasmuch as the contract stipulates that samples are to be analyzed for both Uranium and Vanadium, at a fixed unit cost per sample. All samples have now been analyzed for both Uranium and Vanadium, therefore the previously disallowed costs are to be reinstated as follows

April, 1956, two samples analyzed for Uranium at $3.50 per sample	$ 7.00
May, 1956, eight samples analyzed for Uranium at $3.50 per sample	28.00
Total amount to be reinstated	$ 35.00

Reconciliation with Amount Reported by the Operator on Form MF-104 for June, 1956

Amount reported on Form MF-104 for June, 1956 - - - -	$3,617.00
Amount to be reinstated - - - - - - - - - - - - - - - - - -	35.00
Total acceptable costs	$3,652.00
Government participation at 75 percent - - - - - - - - - -	$2,739.00

Note: The plug bit footage actually drilled and reported exceeds the plug bit footage set up in the contract under "Fixed Unit Costs" for Stage I. However, as neither the aggregate core and plug drill footage nor the aggregate core and plug drilling cost has been exceeded for Stage I drilling, the variation is deemed to be allowable.

Remarks

Date of Report - - - - - - - - - - - - - - - - - June 28, 1956
Date Received in Field Office - - - - - - - - June 25, 1956
Date Received in Region Office - - - - - - - August 2, 1956

W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy
cc: MF-104 File E926
Sec. Op. Comm. (2)
Shaw (2)
Townsend w/copy engr's report
Chron.

DMEA
Date Rec'd
JUL 18 1956
BUREAU OF MINES
Denver, Colorado

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
July 17, 1956

DMEA
Date Rec'd.
AUG 2 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3926, (Uranium) Contract I4n-2926, Pacific Uranium Mines Company, (Red, Ajax and Willis claims) Emery County, Utah -- Progress report for June 1956

Drilling progress was inspected on July 9, 1956. The first stage drilling was completed on June 10. The following holes were completed during June 1956:

Hole	Footage non-core	Footage Core	Footage Total	% Core Recovery	Uranium Mineralization
D-14	272.0	64.0	336.0	96.4	Barren
D-28	370.0	23.0	393.0	90.1	Anomaly only
D-31	350.0	47.0	397.0	97.6	Barren
D-32	415.0	48.0	463.0	93.1	Barren
D-34	330.0	33.0	363.0	82.5	Barren
	1,737.0	215.0	1,952.0	91.9	

Ten samples, taken previously, were run for vanadium. These samples are from holes D-11, D-12, and D-19 and complete the 10 samples previously submitted for uranium.

The cost of 1,737.0 feet of non-core drilling at $1.50 a foot is $2605.50, the cost of 215 feet of core drilling at $3.50 a foot is $752.50, the cost of 10 chemical analyses at $5.00 each is $50.00, and the incidental allowance for 1,952 feet of drilling at $.125 a foot is $244.00 or a total of $3,652.00.

Payment for 75 percent of the above amount or $2,739.00 is recommended.

Total Stage I Holes

Holes Drilled in	No. Holes	Footage non-core	Footage Core	Footage Total	% Core Recovery	Samples
April	12	2791.5	773.0	3564.5	94.0	5
May	14	2809.5	1233.0	4042.5	85.0	0
June	5	1737.0	215.0	1952.0	91.9	10
	31	7338.0	2221.0	9559.0	89.6	15

Total Stage I Costs

7338 feet non-core drilling at $1.50/ft	$11,007.00
2221 feet core drilling at $3.50/ft	7,773.50
9559 feet incidental expense at $.125/ft	1,194.87
15 chemical analyses at $5.00 each	75.00
	20,050.37

The general provisions of the contract have been read by the inspecting engineer and as far as can be determined, have been complied with except in the probing of drill holes. All holes were probed by U.S.G.S., A.E.C., and Pacific with the exception of hole D-28 where A.E.C. lost their probe. However, Pacific's radiometric logs show that D-14 was probed to a point 26 feet above the bottom. As this hole was cored the last 64 feet it is believed that the probing done in June gave the desired information. No one was at the property on the day of inspection. Mr. Kellogg was contacted by telephone and asked to be sure and probe all future holes their entire depth.

Carl Belser

Carl Belser
Mining Engineer

cc: 6
CB/mw
Idm-2926
Ghrom

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG 10 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1956 Docket No. DMEA 3928 Contract No. Idm-E926

Operator's Name PACIFIC URANIUM MINES COMPANY Minerals Uranium

Address 292 South La Cienega Blvd., Beverly Hills, Calif.

Contract Amount, $ 73,840.00 Government Participation: 75 % Amount, $ 55,380.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling noncore	2,605.50	8,401.50	11,007.00			
Bulldozing core	752.50	7,021.00	7,773.50			
Crosscutting						
Drifting						
(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	15.00	60.00	75.00			
Payroll Taxes						
Liability Insurance						
Incidental Allowance (1952 x 0.125)	244.00	950.87	1,194.87			
(8) Contingencies (specify):						
TOTALS	3,617.00	16,433.37	20,050.37	3,652.00	16,433.37	20,085.37
				11 -	35.00	35.00

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

Date June 22, 1956 Payee Hugh W. Emma

Per _____ Title Vice-President

*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 (Criminal), 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:

16,398.37 20,050.37

$2739.00

Signature _____
(Authorized Certifying Officer)

Date 8/7/56 Vou. No. DMA 57-16
(See other side)

Previous Disallowance

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 _____, 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____
Contract Amount, $_____ Government Participation: ____% Amount, $_____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form } Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(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						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS						

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

Date _____ *Payee _____

Per _____ Title _____

*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. Fdx-E926 in accordance with the terms of the contract.

Signature Carl Bilen ($2,739.00) Title Mining Engineer Date 7/18/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Lamy Title Executive Officer Date AUG 3 1956

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 20 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1956 Docket No. DMEA 3928 Contract No. Idm-E926

Operator's Name Pacific Uranium Mines Company Minerals Uranium

Address 292 South La Cienega Blvd., Beverly Hills, Calif.

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~~ Drilling-noncore		2,605.50	1737	11,007.00	7338	1.50	8082	12,123.00
~~Crosscutting~~ -core		752.50	215	7,773.50	2221	3.50	2720	9,520.00
~~Raising~~ Incidental Allowed		244.00	1952	1,194.87	9559	0.125	10802	1,350.25
~~Shafts~~ Assays		15.00	0	75.00	15	5.00	30	150.00
II ~~Winze~~ Drilling-noncore							13000	19,500.00
~~Drilling-Core~~ -core								7,000.00
~~Chem~~ Incidental All.								1,875.00
~~Augr~~ Assays								225.00
III ~~Stripping~~ Drilling-noncore								16,200.00
~~Trenching~~ -core								4,200.00
~~Test Pits~~ Incidental Allowed								1,500.00
~~Roads and Trails~~ assays								195.00
		3,617.00		20,050.37				
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								73,840.00

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

Date June 20, 1956 Operator [signature]

Per _____ Title Vice-President

Remarks:

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

(Instructions on reverse)

(For Government use only) [signature]

John P. Kellogg, *Manager*
Robert L. Redmond, *Chief Geologist*
Main Office in Los Angeles

Mining
Exploration
Geology
Engineering

PACIFIC URANIUM MINES

1924 White Avenue
GRAND JUNCTION, COLORADO
Phone 487 or 488

RECEIVED
AUG 10 1956

June 22, 1956

Mr. John F. Shaw
U. S. Bureau of Mines
Room 137, Bldg. 20
Denver Federal Center
Denver 2, Colorado

RE: DMEA 3928 (Uranium)
Green River, Utah
Contract IDM-E926

Dear Mr. Shaw:

Enclosed herewith are the June and Stage I final report, a letter requesting approval for Stage II drilling and a letter requesting a third amendment to the contract.

Mr. Traver's letter dated June 19, 1956 stated that all our chemical assays must be for both uranium and vanadium. Those samples previously submitted which were only run for uranium have not been run for vanadium too, and these assay results are attached with this letter. The costs of these assays have been included on the June MF-140 and 104-A forms. Unfortunately the May Monthly Report and forms were submitted before we received Mr. Traver's letter and therefore his request to revise the 104 forms was not complied with. I hope that now these assays have been run, it will not be necessary to revise the May 104 forms.

Yours very truly,

PACIFIC URANIUM MINES

John P. Kellogg

John P. Kellogg

JPK:EOB

Date 6/22/56

Minerals Assay Laboratory

549 Noland Avenue Grand Junction, Colorado

Phone 1441

M#3435

NAME Pacific Uranium Mines ADDRESS 1924 White Ave. City

LAB	SAMPLE RECEIVED 6/22/56				PERCENT URANIUM	PERCENT VANADIUM	PERCENT LIME AS. CACO3	PERCENT TUNGSTEN OXIDE	PERCENT MOLY AS. MO
2062	#29676	4/25/56	D-11	369.5-370.0		0.55			
2063	#29679	4/25/56	D-11	371.0-371.5		0.09			
2064	#29683	4/30/56	D-19	103.5-104.5		0.21			
2065	#29684	4/30.56	D-19	104.5-105.5		0.04			
2066	#29685	4/30/56	D-19	105.5-106.5		0.17			
2067	#29686	4/30/56	D-19	106.5-107.5		1.95			
2068	#29687	4/30/56	D-19	107.5-108.5		2.74			
2295	# 29690		D-12	216.9-217.1 Int.1.2		0.03			
2296	#29691		D-12	219.2-220.2 Int. 1.0		0.03			
2297	#29692		D-19	151.5-152.8		0.06			

TOTAL CHARGES $15.00

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Mining
Exploration
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PACIFIC URANIUM MINES

1924 White Avenue
GRAND JUNCTION, COLORADO
Phone 487 or 488

June 22, 1956

Mr. W. M. Traver
Executive Officer
234 New Custom House
Denver 2, Colorado

RE: Docket DMEA 3928 (Uranium)
Contract Idm-E-926

Dear Mr. Traver:

Stage I was completed June 10, 1956, and with the exception of noncore drilling there remained an excess of funds in every account. See chart below for details:

STAGE I EXPENDITURES

Drilling

Originally Auth.	$12,123.00	$9,520.00	$21,643.00	$130	$1,350.25
Amended	10,800.00	8,680.00	19,480.00	150	1,210.00
(D-23, 26 & 29 omitted)					
Actual	11,007.00	7,773.50		75	1,194.87
Surplus		906.50		75	15.13
Deficit	207.00				

The $207.00 represents 138 feet of excess noncore footage drilled.

Request our contract be amended so that $207.00 of the surplus in the core drilling fund be used to offset the $207.00 deficit in the noncore drilling fund. If this is not possible, the operator requests that the $207.00 of the authorized Stage II noncore drilling money be applied against this excess cost in Stage I. The contract does make provisions for this type of exchange between Stage I and Stage II.

Yours truly,

Hugh W. Evans

Hugh W. Evans
Chief Engineer

HWE:EOB

JUNE NARRATIVE REPORT
DMEA 3928 CONTRACT IDM-E926

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INTRODUCTION

Stage I was completed June 11, 1956. This report covers briefly the work done in June and summarizes all Stage I work. The operator's requests for Stage II drilling and a third amendment to the contract are enclosed with this report. Also included are DMEA Forms MF 104 and 104-A, Monthly Exploration Drilling Summary, Drill Hole Logs, Radiometric Logs, Drill Hole Progress Map, Drill Hole Cross Sections, and signed bills pertinent to the contract.

PROGRESS

The last five holes of Stage I were drilled in June. Of these, only one was favorable and four were unfavorable. Three of the originally planned Stage I holes (D-23, 26 and 29) were omitted.

DRILLING

The core recovery in June was 93% which was a considerable improvement over May and nearly equal to April.

A total of 1737 feet of noncore and 215 feet of core footage was drilled in June. Some difficulty was experienced in locating the orebearing sandstone on drill holes D-28, 32, and 34. For all intense purposes no orebearing sandstone was found in D-34.

Ten hours standby time was charged in June. Three and one-half hours for necessary probing delays on D-31 and 34, and six and one-half hours for washing out and casing D-15 and 20. Because no unit had been able to probe the lower portions of D-15 and D-20, and because excessive core loss had been experienced in these zones, the engineer-in-charge had these holes washed, cased, and probed.

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AUG 10 1956

EXPENDITURES

During June a total of $3,921.65 was spent. Of this $3,617.00 was authorized by the contract and $304.65 was not authorized. The authorized expenditures were distributed as follows: $3,358.00 for drilling, $244.00 for incidentals and $15.00 for chemical assays. The unauthorized expenditures were distributed as follows: $125.00 for standby time and $179.65 for incidentals. The average operating weekly expense for June was $2603.

RADIOMETRIC PROBING

All holes drilled in June were probed by the USGS, AEC and Pacific with the exception of D-28. D-28 was not probed by the AEC because a rock in this hole almost caused the AEC unit to lose its probe.

As mentioned under "Drilling" above, D-15 and D-20 were washed, cased and probed again this month. D-15 proved to be barren, but D-20 showed an anomaly at 253 feet.

STAGE 1 SUMMARY

Stage 1 drilling began April 10, 1956, and was completed June 11, 1956. During this period 31 holes were drilled of which five were classified as ore holes, six as mineralized, nine as favorable, and eleven as unfavorable. The total footages drilled and costs, etc. are shown in chart form below:

STAGE 1 SUMMARY CHART

	DRILLING			EXPENDITURES	
Month	Total	Noncore	Core	Authorized by Contract	In Excess of Contract
April	3564.5	2791.5	773.0	$ 7,370.31	$ 690.34
May	4148.5*	2915.5*	1233.0	9,063.06	1,597.93
June	1952.0	1737.0	215.0	3,617.00	304.65
TOTAL	9665.0*	7444.0*	2221.0	$20,050.37	$2,592.92
			GRAND TOTAL		$22,643.29

*Includes 106' of unauthorized drilling

The expenditures in excess of those authorized by the contract were primarily for drill site and access road preparation and salaries. These expenses were provided for in the incidental allowance of the contract ($0.125 per foot drilled), but this allowance has proved adequate only for the cost of core boxes, hole markers, other minor field expenses, and a portion of salaries involved.

Sufficient favorability was encountered in Stage I drilling to warrant further exploration of the northwest portion the claims covered by DMEA Project No. 3928. The Stage II exploration drilling program is discussed in a letter enclosed with this report.

Hugh W. Evans

Pacific Uranium Mines Company

MONTHLY EXPLORATION DRILLING SUMMARY

Location: Green River Month: June 1956 Engineer in Charge: H. W. Evans

STATISTICAL

Hole No.	Contractor	Date Started	Date Completed	Coordinates North	Coordinates East	Collar Elev.	Depth	Footage Plug	Footage Core	% Core Rec.	Standby Time	Cost Plug	Cost Core	Cost Other	Cost Total
D-14	Scott	6/ 7/56	6/ 8/56	500380	495250	4442	336	272	64	96		$608.00	$224.00	77.00	709.00
D-28	Scott	6/ 5/56	6/11/56	498012	495335	4411	393	370	23	90		$555.00	80.50	66.00	701.50
D-31	Scott & Pac	5/29/56	6/ 9/56	496375	494820	4424	397	350	47	98	18.75	$525.00	164.50	62.75	752.25
D-32	Scott	5/30/56	6/ 5/56	496200	495577	4420	463	415	48	93		$622.50	168.00	44.00	834.50
D-34	Scott & Pac	5/28	6/ 6/56	494693	495077	4358	363	330	33	82	25.00	495.00	115.50	30.50	641.00
D-15		Washed and cased for probing									43.75			43.75	43.75
D-20		Washed and cased for probing									37.50			37.50	37.50
Total	5 holes	11 working days					1952	1737	215	93	125.00	$2605.50	752.50	361.50	$3719.50

GEOLOGICAL

Hole No.	Contact Depths Jmbb Jmsw			Ore Bearing Sandstone From	To	Thickness	Classification Ore	Min'	Fav	Unf	Assay Chemical Interval	Mineral	%	Radiometric Interval	%	Remarks
D-14	263			263/304	282/332	19/28			✓							
D-28	360			360	387	27				✓						
D-31	351			351	392	38 *				✓						* 2 MS splits
D-32	440			440	455	15				✓						
D-34	288			288	296	8				✓						

PACIFIC URANIUM MINES COMPANY
GREEN RIVER, UTAH - DMEA 3928

RADIOMETRIC LOGS

DRILL HOLE	DATE	TOTAL DEPTH	DEPTH PROBED	DEPTH	PERCENT V_3O_8	REMARKS
D-14	6/ 9/56	336	310	Barren		
D-28	6/11/56	393	390	362	Anomaly	
D-31	6/ 8/56	397	395	Barren		
D-32	6/ 6/56	463	458	Barren		
D-34	6/ 6/56	364	360	Barren		
	Washed, cased, and probed					
D-15	6/11/56	278	278	Barren		
D-20	6/11/56	306	305	253.0	0.08%	

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 2 3/8" Core

Contractor Scott

Drill-hole No. D-32

Total depth 463

Collar elev. 4420

Area Green River, Utah

Coordinates North 496,200

East 495,577

Claim Ajax No. 13

Date started 5/30/56

Date completed 6/ 5/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed AEC, USGS

Summary

Fav. Ore OBSS 440-455 Thick 15 SS color Gy Gn Cbn N

Unf. X Min. Barren

MS color under OBSS Gy ,

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	380					380'	Plug
380	381	ST	Rd Br	VF	N	1	
381	382	SS	Wh Br	M	N	1	
382	385	St	Rd Gn	VF	N	3	
385	400	MS	GnGy	VF	N	15	
400	404	ST	Rd Gy	VF	N	4 4	
404	408	MS	Rd Gn	VF	N	4	Mattled
408	443					35	Plug--440 443 Rd Br SS
443	445	SS	Gy Gn	VC-F	N	12	A Gn Gy MS gls @ top. Dense
							at base. S cgl near top
455	457	ST	Gy	VF	N	2	
457	463	MS	Rd Gn	VF	N	6	Mattled

Total footage cored 48

Core pulled 44.7

Per cent core recovery 93.1 %

Lime content Medium in upper portion of OBSS, otherwise A.

Sample		Probe			Core Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical			
								%	%	%	

Counter used Babbel 610

Drill-hole No. D-32

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy--BX core

Contractor Scott--Pocahontas

Drill-hole No. D-34

Total depth 364

Collar elev. 4358

Area Green River, Utah

Coordinates North N 494,693

East E 495,077

Claim Ajax No. 5

Date started 5/28/56

Date completed 6/ 6/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS&AEC

Summary

Fav. Ore OBSS (?)288-296 Thick 8 SS color Gy Gn Cbn N

Unf. X Min. Barren

MS color under OBSS Gn Rd

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	288					288	Plug
288	296	SS	Gy Gn	F-C	N	18	Long vert fractures @ top. Very dense SS w/s CG @ base.
296	308	ST/MS	GnRdWh	VF	N	12	
308	320					12	Plug Br Rd sandy MS
320	325	St/MS	Rd Br	VF	N	5	Sandy ST
325	330	MS	Gn Rd	VF	N	5	
330	338					8	Plug VF muddy Br SS
338	339	MS	Rd Gy	F	N	1	
339	340	SS	Wh	F	N	1	
340	341	MS	Rd Br	F	N	1	
341	364					23	Plug VF sandy MS w/s SS sms

Total footage cored 33

Core pulled 27.2

Per cent core recovery 82.5 %

Lime content Abundant

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Babbel 610

Drill-hole No. D-34

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Maynew 1000 & Joy--BX core

Contractor Scott & Pocahontas

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Drill-hole No. D-31

Total depth 397

Collar elev. 4428

Area Green River, Utah

Coordinates North 496,375

East 494,820

Claim Ajax No. 13

Date started 5/29/56

Date completed 6/ 8 56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS,AEC

Summary

Fav. Ore OBSS 351-392 Thick 38 SS color GYWH Cbn N

Unf. X Min. (2 MS splits) Rd Gy

MS color under OBSS ,

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	350					350	Plugs
350	351	MS	Rd Gn	VF	N	1	
351	353.5	SS	GN	VF	N	2.5	S Gn MS gls--very dense
353.5	354.5	MS	Rd	VF	N	1	
354.5	362	SS	Gy	F to VC	N	7.5	S p s and angular poorly
							sorted SS @ ase. Fract
							30° off Vert @ 357.
362	364	MS	Dr Gn	VF	N	2	
364	392	SS	GyWhGn	VF	N	5	

Total footage cored 47

Core pulled 45.9

Per cent core recovery 97.6 %

Lime content Sp thru center of OBSS, otherwise A

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Set	Core Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Babel 610

Drill-hole No. D-31

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000--2 3/8" Core

Contractor Scott

Drill-hole No. D-14

Total depth 336

Collar elev.

Area Green River

Coordinates North 500,380

East 495,250

Claim Red No. 4

Date started 6/7/56

Date completed 6/8/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed AEC, USGS

Summary

Fav. X Ore OBSS 263-282 Thick 19' SS color Wh-Gy Cbn N-Sp

Unf. Min. 304-332 28' Gy-Wh N

Barren MS color under OBSS Gn, Gy-Gn

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	240					240	Plug
240	250	CG	Wh Gy	Cgl	N	10	Fgr-SS sm 242-44
250	250.8	MS	Rd Br	VF	N	0.8	
250.8	263					12.2	Plug--Gy Br sandy MS
263	281	SS	Sh Gy	F-VC	N-sp	18	C[illegible] in thin sms and
							Gy Gn MS gls & SMS @ base
281	282	CG	Sh Gy	Cgl	Sp	1	
282	284	MS	Gn	VF	N	2	
284	304					20	Plug-Gy sandy MS
304	306	CG	Gy-W.	Cgl	N	2	
306	314	SS	GyWh	VC	N	8	S Dr Gr Ms sms
314	320	CG	Gy Wh	Cgl	N	6	
320	332	SS	Gy Wh	CF	N	12	Fine at base. A Gy ms
							sms & gts
332	334	ST	Gy Gn	VF	N	2	
334	336	MS	Gn Rd	VF	N	2	

Total footage cored 63.8

Core pulled 61.5

Per cent core recovery 96.4 %

Lime content Varied from Sp to A

Sample		Probe			Core Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical %	%	%	

Counter used Pa [illegible]

Drill-hole No. D-14

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 100 ? 3/8" Core

Contractor Scott Bros.

Drill-hole No. D-28
Total depth 393
Collar elev. 4411
Area Green River, Utah
Coordinates North 498,012
East 495,335

Claim Ajax No. 16
Date started 6/5/56
Date completed 6/10/56
Logged by N. W. Evans
Tie
Core checked for Rad. X Hole probed USGS (AEC probe stuck in hole)

Summary

Fav. Ore OBSS 360-387 Thick 27 SS color Wh Gy Cbn N
Unf. X Min.
(Too thin) Barren-anomaly
MS color under OBSS Gy Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	370					370	Plug--Gy,M,SS 360-370
370	387	SS	Wh Gy	VC-M	N	17	Alt feldspar & A Gn & Gy
							MS flks near top. SS
							generally porous. Thn cgl
							sm 371. Dr Gy MS
							sms & sls & possibly S
							cbn @ base.
387	393	ST/MS	GytoGnRd	VF	N		

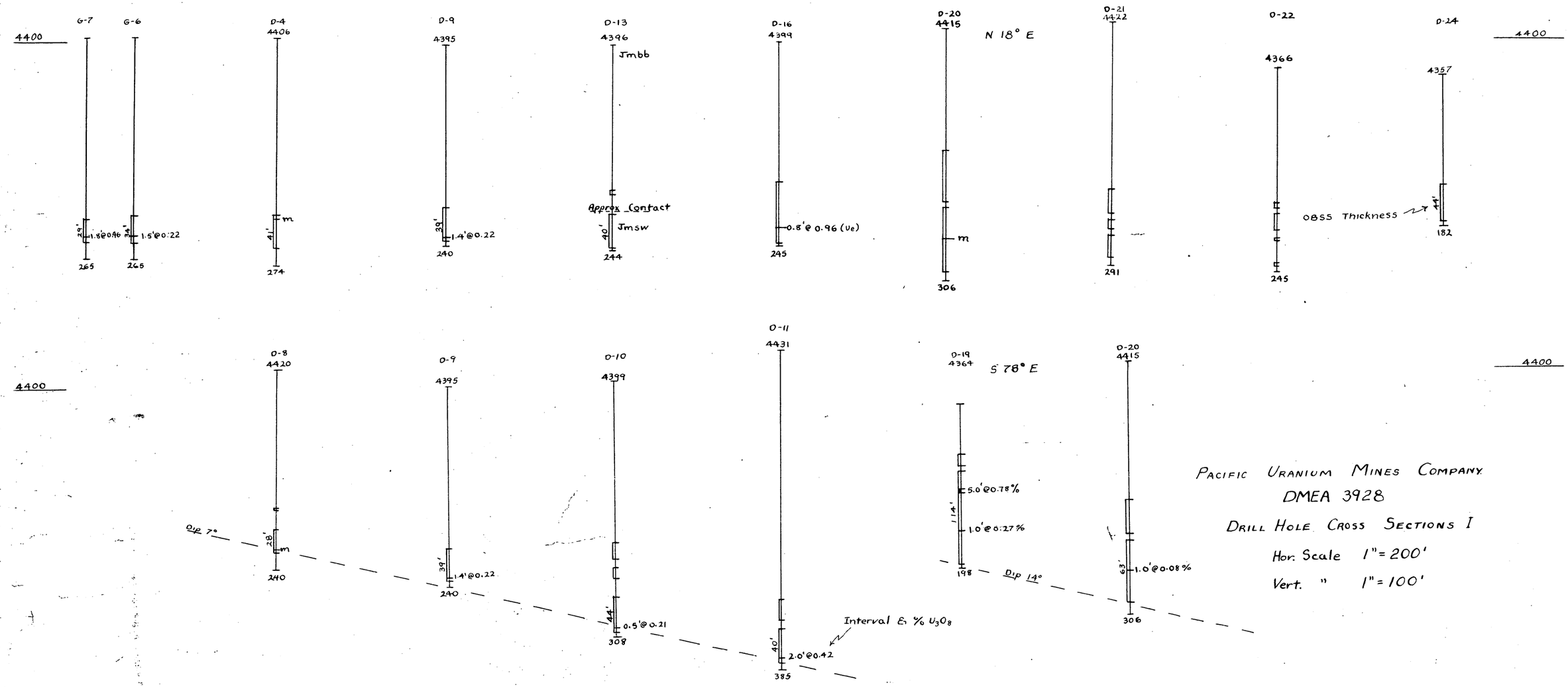
Total footage cored 23
Core pulled 20.7
Per cent core recovery 90.1 %

Lime content S in upper portion of SS & A @ base.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cutting Cir.	Core Cutting Set	Core Cutting Read	Chemical %	Chemical %	Chemical %	Remarks
362.4											anomaly only

Counter used Babbel

Drill-hole No. D-28



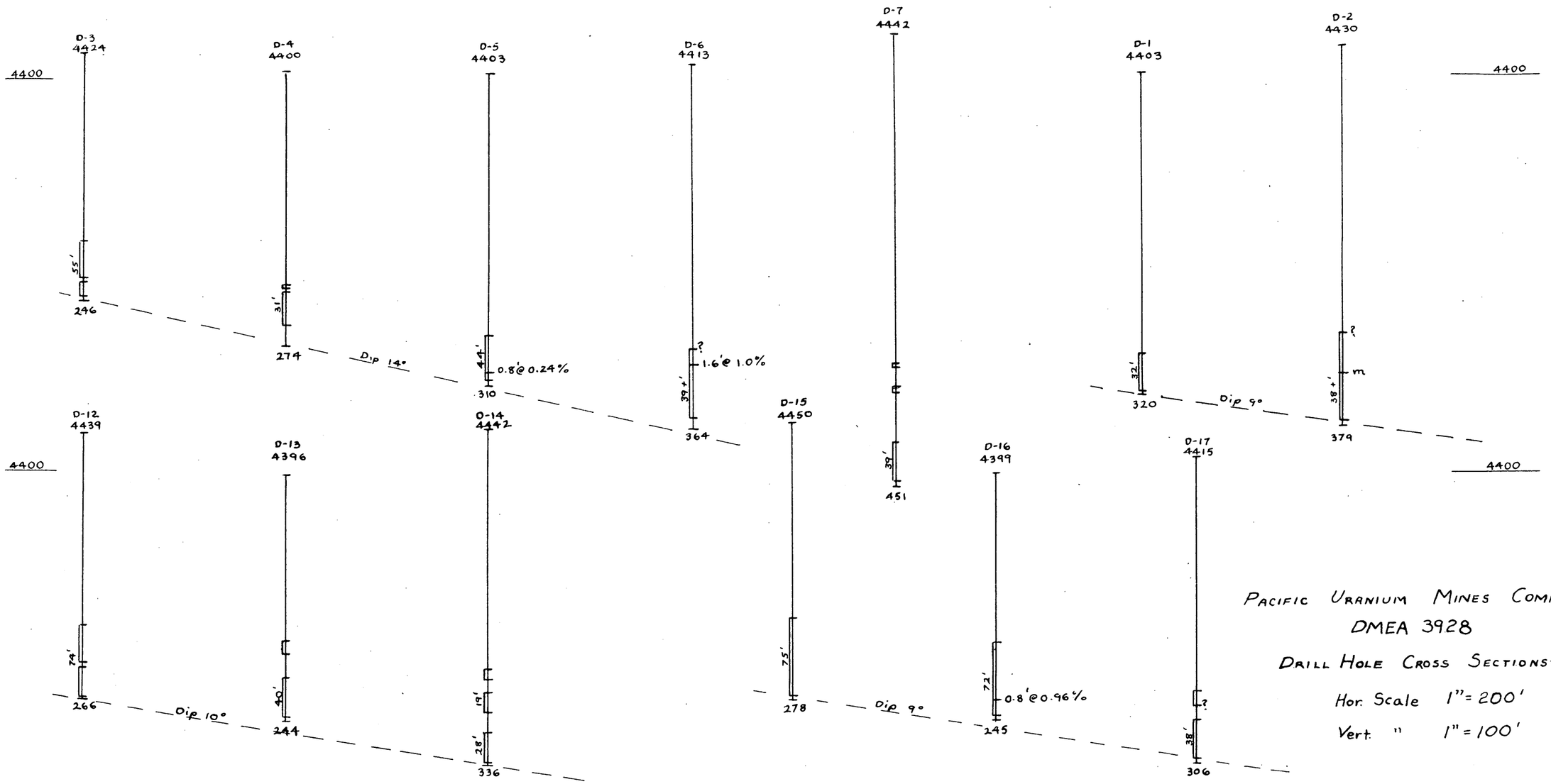
PACIFIC URANIUM MINES COMPANY

DMEA 3928

DRILL HOLE CROSS SECTIONS I

Hor. Scale 1" = 200'

Vert. " 1" = 100'



PACIFIC URANIUM MINES COMPANY

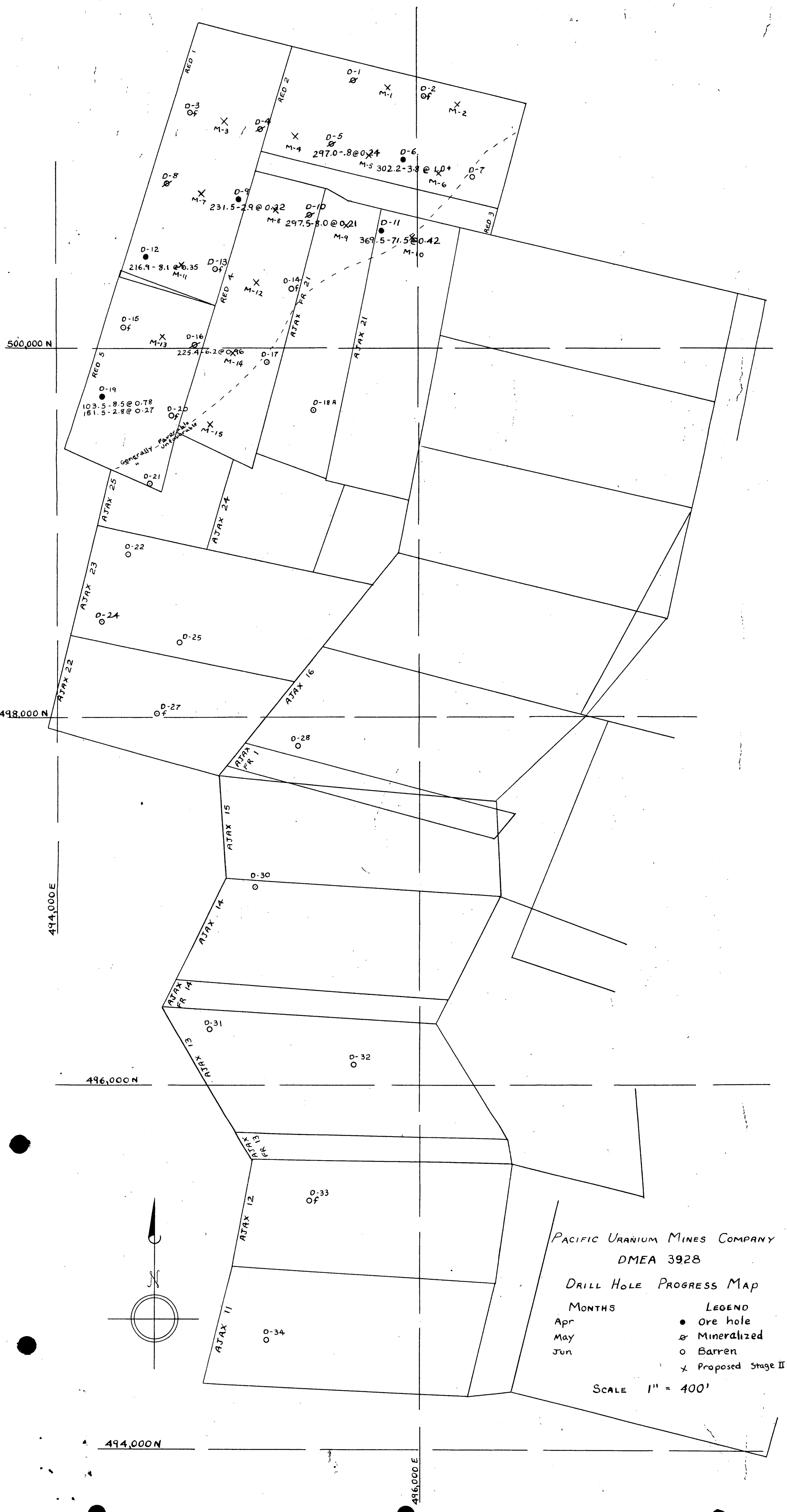
DMEA 3928

DRILL HOLE CROSS SECTIONS II

Hor. Scale 1" = 200'

Vert. " 1" = 100'

FIGURE 11 for 4 Hyer Discovery


PACIFIC URANIUM MINES COMPANY
DMEA 3928
DRILL HOLE PROGRESS MAP
MONTHS
Apr
May
Jun
LEGEND
Ore hole
Mineralized
Barren
Proposed Stage II
SCALE 1" = 400'
RED 1
RED 2
RED 3
RED 4
RED 5
AJAX FR 21
AJAX 21
AJAX 25
AJAX 24
AJAX 23
AJAX 22
AJAX 16
AJAX FR 1
AJAX 15
AJAX 14
AJAX FR 14
AJAX 13
AJAX FR 13
AJAX 12
AJAX 11
D-1
D-2
D-3
D-4
D-5
297.0-.8@0.24
D-6
302.2-3.8 @ 1.0+
D-7
D-8
D-9
231.5-2.9@0.22
D-10
297.5-8.0@0.21
D-11
369.5-71.5@0.42
D-12
216.9-8.1@0.35
D-13
D-14
D-15
D-16
225.4-6.2@0.96
D-17
D-18 A
D-19
103.5-8.5@0.78
151.5-2.8@0.27
D-20
D-21
D-22
D-24
D-25
D-27
D-28
D-30
D-31
D-32
D-33
D-34
M-1
M-2
M-3
M-4
M-5
M-6
M-7
M-8
M-9
M-10
M-11
M-12
M-13
M-14
M-15
500,000 N
498,000 N
496,000 N
494,000 N
494,000 E
496,000 E
Generally Favorable
Unfavorable

7/24/56

FINAL DISTRIBUTION
MADE JUL 17 1956

RECEIVED
JUL 23 1956

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

Administrative Audit Difference Statement

Pacific Uranium Mines Co.
1223 South Vermont Ave.,
Los Angeles 6, California

Date: July 9, 1956
Payee's Reference: May 1956

DMEA-3928

Gentlemen:

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

Amount Claimed	$ 9,055.00
Difference	$ 20.00
Amount Approved	$ 9,035.00

The reason for the difference was due to:

Disallows:

Analysis of 0 samples @ $3.50 ea. = 20.00

The contract stipulates that samples are to be analyzed for U_3O_8 & V_2O_5, at the combined rate of $5.00 per sample. No provision is made for analysis of U_3O_8 content alone.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
JUL 23 1956

224 New Customhouse
Denver 2, Colorado

July 5, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3928 (Uranium) Contract Idm-E926, Pacific Uranium Mines Company (Red, Ajax, and Willo claims) Emery County, Utah - Operator's Monthly Progress Report for the month of May, 1956

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

Except as noted it is deemed 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 as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

Disallow the amount of $28.00 for 8 samples which were analyzed for U_3O_8 only instead of for both U_3O_8 and V_2O_5 as stipulated in the contract. The amount may be reclaimed in a subsequent report if the reclaim is supported by copies of analysis returns showing the results of analysis for both elements.

Remarks

Date of Report----------June 16, 1956
Date Received in Field Office---------- June 20, 1956
Date Received in Region Office---------- July 5, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JWT:jy
cc: MF-104 File E926
Sec. Op. Comm. (2)
Shaw (2)
Townsend Chron.

DMEA
Date Rec'd
JUL 5 1956
BUREAU OF MINES
Denver, Colorado

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
July 3, 1956

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JUL 23 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3928 (Uranium) Contract I4m-8926, Pacific Uranium Mines Company (Red, Ajax, and Wills claims) Emery County, Utah -- Progress report for May 1956

Drilling progress was inspected on June 4, 1956. The following holes were drilled in May:

Hole	Footage Non-core	Footage Core	Footage Total	% core Recovery	Uranium Mineralization
D-2	337.0	42.0	379.0	83.3	Barren
D-12	186.0	80.0	266.0	97.1	216.9'-218.1' -0.35% 219.2'-220.2' -0.13%
D-15	189.0	89.0	278.0	89.0	Barren
D-16	162.5	83.0	245.5	65.5	225.6'-226.2' -eU .96% 226.9'-227.1' -eU1.00%
D-17	234.0	72.0	306.0	71.0	Barren
D-18A	246.0	89.0	335.0	88.3	Barren
D-19	81.0	117.0	198.0	89.5	103.5'-108.5' -0.78% 151.5'-152.8' -0.27%
D-20	168.0	137.5	305.5	75.5	Barren
D-21	181.0	110.0	291.0	90.3	Very slight
D-22	134.0	111.0	245.0	83.3	Barren
D-25	204.0	61.0	265.0	92.7	Barren
D-27	160.0	55.0	215.0	98.2	Barren
D-30	217.0	116.5	333.5	87.8	Very slight
D-33	310.0	70.0	380.0	86.3	Barren
14	2809.5	1233.0	4042.5	85.0	

The General Provisions section of Exhibit "A" have been complied with to the best of the engineer's knowledge and belief with the exception of probing.

Five holes were probed their entire depth, 4 others were probed to a distance of 10 feet or less from the bottom, and the remaining five holes were probed to depths of from 8 feet to 87 feet below the coring zone. The two deepest holes were probed their entire depth. Both small and large caves often stop a probe from reaching the bottom of a hole.

Not being able to measure the "stick up" and rods on the completion of a hole, the engineer is dependent for drilling data upon the drilling contractor's invoice, the driller's daily logs, and a check of the core. All core is checked both in the boxes and against drilling records. The records of the various holes as to total depth and probing follow:

	Depth of Holes				Probing		
Hole	Drilling Contractor's Invoice	Driller's Daily Logs	Core Discription	Drilling Summary	Depth Probed	Top Cone	Probing Shortage
D-2	379	379	377	379	379	337	0
D-12	266	266	266	266	266	186	0
D-15	278	278	278	278	197	189	81
D-16	245.5	245.6	245.5	245.5	243	162.5	1.5
D-17	306	305	306	306	289	234	17.
D-18A	335	335	335	335	336	246	(-1)
D-19	198	198	153*	198	168	81	30
D-20	305.5	305.8	305.5	305.8	212	168	93.5
D-21	291	291	291	291	291	181	0
D-22	245	245	245	245	239	134	6
D-25	265	265.4	265.3	265	255	204	10
D-21	215	215	215	215	183	160	32
D-30	333.5	333.4	333	333.5	330	217	3.5
D-33	380	380	380	380.0	380	310	0
	4042.5						274.5

All holes were probed to below the top of the cored section.
*"O.B.S.S. 80'-194' thickness 114' Hole depth 198'."
All cores from holes checked with distances shown on the 104's.

Incidental allowance of $.125 a foot covers supervision, probing, bulldozing, core boxes, transportation, and general supplies. The operator's statement shows an excess of incidental costs for May of $.395 a foot over the allowable $.125 a foot.

It is the engineer's belief that the entire length of each hole has been reasonably well determined as to uranium values either by probing or by core, or both and, if possible, the operator should be paid for the drilling.

All core was "BX" or "EX" size. Core recovery dropped from 94 percent in April to 85 percent in May. A total of 47 hours of bulldozing was also completed during the month but has not been allowed. Eight assays were made in May but only for U_3O_8 and are disallowed.

The cost of 2809.5 feet of non-core drilling at $1.50 a foot is $4,214.25, the cost of 1,233.0 feet of core drilling at $3.50 a foot is $4,315.50, and the incidental allowance for 4042.5 feet of drilling at $0.125 a foot is $505.31, or a total of $9,035.06.

Payment of 75 percent of the above amount or $6,776.30 is recommended.

Carl Belser
Carl Belser
Mining Engineer

CB/mr
enc: 6
Idm-E926
Chron

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUL 23 1956

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

Month of May, 1956 Docket No. DMEA 3928 Contract No. Idm-E 926
Operator's Name PACIFIC URANIUM MINES COMPANY Minerals URANIUM
Address 292 South La Genega Blvd. Beverly Hills, Calif.
Contract Amount, $ 73,840.00 Government Participation: 75 % Amount, $ 55,380.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling noncore	4,214.25	4,187.25	8,401.50			
~~Building~~ core	4,315.50	2,705.50	7,021.00			
Crosscutting						
Drifting						
(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	28.00	32.00	60.00			
Payroll Taxes						
Liability Insurance						
Incidental Allowance (40425 ft X 0.125)	505.31	445.56	950.87			
(8) Contingencies (specify):						
TOTALS	9,063.06	7,370.31	16,433.37	9035.06	7,370.31	16,405.37
				11	7.00	7.06
						16,398.37

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 16, 1956 *Payee Kenfield Evans
Per _____ Title Vice-President

*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:
7363.31
$ 6776.30
Signature _____
(Authorized Certifying Officer)
Date 7/9/56 Vou. No. DMA 57-6
(See other side)

11 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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 6/21/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date JUL 5 1956

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 1956

Month of May 1956 Docket No. DMEA 3928 Contract No. Idm-E 926
Operator's Name PACIFIC URANIUM MINES COMPANY Minerals URANIUM
Address 292 South La Genega Blvd., Beverly Hills, Calif.

	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~~ non- Drilling core		4,214.25	2809.5	8,401.50	5601	1.50	8082	12,123.00
	~~Crosscutting~~ core		4,315.50	1233	7,021.00	2006	3.50	2720	9,520.00
	~~Raising~~ Incidental allowance		505.31	4042.5	950.87	7607	0.125	10802	1,350.25
	~~Shafts~~ Assays		28.00	8	60.00	5-10*	5.00-3.50	30	150.00
II	~~Winzes~~ Drilling-noncore							13000	19,500.00
	~~Drillings-Core~~ core							2000	7,000.00
	Indc. ~~Charn~~ allowance							15000	1,875.00
	~~Auger~~ Assays							45	225.00
III	~~Stripping~~ Drilling noncore							10000	16,200.00
	~~Trenching~~ core							1200	4,200.00
	~~Test Pits~~ Incidental allowance							12000	1,500.00
	~~Roads and Trans~~ Assays							39	195.00
	TOTAL DISTRIBUTED COSTS		9,063.06		16,433.37				TOTAL COSTS AUTHORIZED BY CONTRACT
	Operating Equipment Purchased								
	Initial Rehabilitation and Repairs								
	New Buildings, Improvements, etc.								
	TOTAL COSTS								73,840.00

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

Date June 16, 1956 Operator Hughell E. Evans

Per _____ Title Vice-President

REMARKS: * Five samples for U_3O_8 & V_2O_5 @ $5.00 each. Ten samples for U_3O_8 only @ $3.50 each.

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

(Instructions on reverse)

(For Government use only) Carl Belan

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

June 16, 1956

RECEIVED
JUL 23 1956

Mr. John F. Shaw
U. S. Bureau of Mines
Room 137, Bldg. 20
Denver Federal Center 2, Colorado

Re: DMEA 3928 (Uranium)
Green River, Utah
Contract IDM-E926

Dear Mr. Shaw:

Attached is our report of progress for May, 1956, including narrative, Government forms, summary of drilling and drill hole logs, and progress map.

Included in the first copy of the report being submitted are receipts for drilling and assaying, and the daily reports turned in by the drill contractor.

Five copies of the report are enclosed.

Yours very truly,

John P. Kellogg

John P. Kellogg

COPY

MAY NARRATIVE REPORT

DMEA 3928 CONTRACT IDM-E926

INTRODUCTION:

This report covers the work done on DMEA Project No. 3928 from May 1 to 31, 1956. During this month a good ore discovery was made, some drilling problems were encountered, the drill site dozer work for Stage I was completed and two amendments to the contract were requested.

Included with this report are DMEA Forms MF-104 and 104A, Monthly Exploration Drilling Summary, Drill Hole Logs, Radiometric Logs, Driller's Daily Reports, signed originals of bills pertinent to the contract and a Drill Hole Progress Map. Because Stage I will be completed by the second week in June, no drill hole cross sections have been included with this report. Detailed cross sections will be presented with the final report on State I.

PROGRESS:

Fourteen of the remaining 22 holes on Stage I were completed during May. Of these, two were classified as ore holes, one as mineralized, five as favorable and six as unfavorable.

D-19 was the best of the two ore holes drilled. Five feet of this hole from 103.5 to 108.5 assayed 0.78% uranium oxide. Forty-eight feet below this ore zone was a second ore zone (151.5 to 152.8) 1.3 feet thick assaying 0.27% uranium oxide. / 1 The ore bearing sandstone in D-19 was 114 feet thick, and it was hit 34 feet above its estimated depth. The drillers had partially plugged through the upper ore zone before the engineer-in-charge realized that the cuttings were highly radioactive.

RECEIVED
JUL 23 1956

At this depth, 106 feet, the drilling was stopped, the rig moved four feet to the southwest and the hole redrilled. On the second hole, coring was begun at 81 feet. The boxed core from this hole was taken by the USGS for more detailed geologic study after the operator had logged and split the core to its satisfaction.

D-12, which lies 800 feet north of D-19, was the only other ore hole drilled in May. It showed two thin zones, one from 216.9 to 218.1 which assayed 0.35% uranium and one from 219.2 to 220.2 which assayed 0.13% uranium.

D-16 indicated radiometrically from 225.4 to 226.2, an interval of 0.8 feet, 0.96% uranium. Because the thickness indicated was less than 1.0 feet, this hole was not classified as an ore hole. Although this interval fell well within the zone cored, because of a very low core recovery, 28% through this interval, the ore indicated radiometrically could not be found in the core. D-16 lies 600 feet northeast of D-19.

/ 1 / : Forty feet N 56° E from D-19 lies drill hole G-35 which was completed May 19, 1955. The core interval cut at this time was from 150 to 175 feet and no ore was found in this zone. However, a radiometric log of this hole made on June 1, 1955, by the AEC indicates ore zone from 110 to 115 feet which corresponds with the upper ore zone in D-19.

DRILLING:

The average core recovery dropped from 94% in April to 85% in May. D-16 and D-20 accounted for a large portion of this core loss. Both these holes had fairly thick, loose sandstone seams in the zones cored. A similar sandstone seam was also found near the base of D-15. In the upper part of D-17, a small piece of metal in the bottom of the hole caused a good deal of core loss through grinding.

The Scott Bros Drilling Company experimented with a Joy 750 coring rig on holes D-27 and D-16. Starting May 14, 1956, they subcontracted a portion of the coring to the Pocahontas Drilling Company; D-17, 18A, 21 and 22. In general, this arrangement has proved satisfactory to the operator. The one problem is that Pocahontas must case their BX-sized holes and in May this resulted in two hours standby time being charged against the operator for delay time while probing D-21. In future drilling, there will be additional standby time charged and this cost is not covered by the DMEA contract.

After a field inspection by Mr. Frank Byers, the request made in April to move holes D-14, 17, 18 and 23 was revised as follows:

HOLE	MOVE DISTANCE	MOVE DIRECTION	FROM	REMARKS
D-14B	130'	S 87° E	D-14A	Near D-14 location
D-17B				Original D-17 location
D-18B	20'	N 15° E	D-18A	
D-23				Omit
D-26				Omit
D-29				Omit

D-17B and 18B were drilled during May on the basis of verbal approval given by DMEA field inspectors. Because both D-14B and 17B fall within 50 feet of their original locations, the "B" designation has been dropped from the hole number. D-18B has been marked as D-18A, the "A" indicating a move in excess of 50 feet.

During May, 2809.5 feet of non-core and 1233.0 feet of core drilling was completed.

BULLDOZING:

Early in May the bulldozer work necessary for drill site preparation and access roads was completed:

HOLE	TIME	COST
D-12	2 hrs.	22.00
D-14	7	77.00
D-15	2	22.00
D-16	2	22.00
D-17	3	33.00
D-18	1	11.00
D-20	2	22.00
D-21	6	66.00
D-22	2	22.00
D-28	6	66.00
D-30	2	22.00
D-31	4	44.00
D-32	4	44.00
D-33	1/2	5.50
D-34	1/2	5.50
Moving on	3	33.00
	47 hrs	$517.00

The cost of bulldozing was not covered under the original contract except under the incidental allowance which has proved inadequate. In order that operator may be reimbursed for some of this cost a second amendment to the contract was suggested. It was requested that the money not expendent due to the omission of holes D-23, 26 and 29, be used for drill site preparation and access roads for Stages I, II and III.

EXPENDITURES:

In May, a total of $10,660.99 was spent on DMEA Project No. 3928. Of this, $9,063.06 was authorized by contract and $1,597.93 was not authorized. The authorized expenditures were distributed as follows: $8,529.75 for drilling, $28.00 for assaying and $505.31 for incidentals. The unauthorized expenditures, the full cost of which must be born by the operator, were distributed as follows: $517.00 for bulldozing, $25.00 for standby time, $159.00 for 106 feet of unauthorized non-core drilling, and $896.93 for additional incidental costs. The average cost per week for the month of May was $2,490.

GENERAL INFORMATION:

There was a tremendous variation in sandstone thickness found in the holes drilled during May. Planned detailed cross sectioning should explain this variation, but for the time being it appears to be result of separate sandstone rims merging into one continuous sandstone unit.

DMEA Project No. 3928 was visited by the USGS regional geological and engineering personnel as well as by Denver Regional and Washington officials during May.

L V Evans

Pacific Uranium Mines Company
MONTHLY EXPLORATION DRILLING SUMMARY

Location: GREEN RIVER, UTAH Month: MAY, 1956 Engineer in Charge: H. W. EVANS

STATISTICAL

Hole No.	Contractor	Date Started	Date Completed	Coordinates North	Coordinates East	Collar Elev.	Depth	Footage Plug	Footage Core	% Core Rec.	Standby Time	Cost Plug	Cost Core	Cost Other	Cost Total
D-2	Scott	4-25	5-3	501,360	496,035	4430	379	337.0	42.0	83	-	505.50	147.00	-	652.50
D-12	"	5-7	5-9	500514	494485	4439	266	186.0	80.0	97	-	279.00	280.00	22.00	581.00
D-15	"	5-9	5-26	500,134	494,361	4450	278	189.0	89.0	89	-	283.50	311.50	22.00	617.00
D-16	" - Joy	5-7	5-10	500050	494,752	4399	245.5	162.5	83.0	66	-	243.75	290.50	22.00	556.25
D-17	" - Poc	5-28	5-30	499970	495140	4415	306	234.0	72.0	71	-	351.00	252.00	33.00	636.00
D-18A	" - Poc	5-14	5-24	499713	495411	4398	335	246.0	89.0	88	-	369.00	311.50	11.00	691.50
D-19	"	4-29	5-1	499754	494236	4364	198	81.0	117.0	90	-	121.50	409.50	-	531.0[illegible]
D-20	"	5-12	5-27	499670	494627	4415	305.5	168.0	137.5	75	-	252.00	481.25	22.00	75[illegible]
D-21	" - Poc	5-15	5-24	499291	494502	4422	291	181.0	110.0	90	2	271.50	385.00	91.00	[illegible].50
D-22	" - Poc	5-17	5-29	498910	494376	4366	245	134.0	111.0	83	-	201.00	388.50	22.00	611.50
D-25	"	5-2	5-7	498447	494642	4363	265	204.0	61.0	93	-	306.00	213.50	-	519.50
D-27	" - Joy	5-1	5-2	498067	494517	4352	215	160.0	55.0	98	-	240.00	192.50	-	432.50
D-30	"	5-17	5-23	497139	495048	4343	333.5	217.0	116.5	88	-	325.50	407.75	22.00	755.25
D-33	"	5-24	5-25	495452	495328	4351	380	310	70.0	86	-	465.00	245.00	5.50	715.50
Misc						**	106	106				159.00	***	33.00	192.00
Total	14 holes	25 working days					4148.5	2915.5	1233.0	85	2	4373.25	4315.50	305.50	8994.25
															8,688.75

** Extra 106' on D-19 *** Bulldozer haulage

GEOLOGICAL

Hole No.	Contact Depths Jmbb-Jmsw			Ore Bearing Sandstone From	To	Thickness	Classification Ore	Min'	Fav	Unf	Assay Chemical Interval	Mineral	%	Radiometric Interval	%	Remarks
D-2	285			337	375	38			X							Lost 1st hole
D-12	191			191	265	74 *	X				216.9-8.1	U_3O_8	0.35	Same	0.40	3.3' @ 0.16%
D-15	197			197	272	75 *			X							Not probed t[illegible]
D-16	168			168	241	73 *		X						225.4-6.2	0.96	Core lost th[illegible]
D-17	262			262	300	38				X						
D-18A	293			293	326	33				X				Chemical		Lost 1st hole
D-19	80			80	194	114 *	X				103.5-8.5	U_3O_8	0.78	151.5-2.8	0.27	
D-20	145			145	290	145 *			X							Not probed to bot.
D-21	200			200	230	30				X						Lower SS 29' thk
D-22	177			177	194	17				X						
D-25	210			210	218	8				X						
D-27	155			155	208	53			X							
D-30	291			291	322	31				X						
D-33	311			311	375	64			X							
						56.6	2	1	5	6						

* Upper and lower sandstones merged into one unit.

RECEIVED
JUL 29 1958

PACIFIC URANIUM MINES COMPANY
GREEN RIVER, UTAH - DMEA 3920

RADIOMETRIC LOGS

HOLE NO.	DATE PROBED	MAX. DEPTH PROBED	DEPTH *		$\%U_3O_8$	CLASSIFICATION
D-2	5-3-56	379'			Barren	
D-12	5-9-56	266	217.5		0.10	
			218.0		0.26	
			218.5		0.56	
			219.0	Peak	0.79	
			219.5		0.60	
			220.0		0.35	
			220.5		0.27	
			221.0		0.34	
			221.5		0.26	
			222.0		0.07	
			1.2 @ 0.79% & 1.0 @ 0.34%			Ore
D-15	5-26-56	197.0			Barren (?)	
D-16	5-11-56	243.0	224.5		0.09	
			225.0		0.30	
			225.5		0.79	
			225.7	Peak	0.96	
			226.0		0.97	
			226.5		0.17	
			227.0		0.02	
			0.0' @ 0.96%			Mineral
D-17	6-4-56	289.0			Barren	
D-18	5-25-56	336.0			Barren	

* Interval at this depth 0.5 feet

HOLE NO.	DATE PROBED	MAX. DEPTH PROBED	DEPTH *	$\%U_3O_8$	CLASSIFICATION
D-19	5-12-56	168.0	103.0	0.08	
			103.5	0.19	
			104.0	0.37	
			104.5	0.44	
			105.0	0.37	
			105.5	0.41	
			106.0	0.54	
			106.5	0.85	
			107.0	1.00	
			107.5 Peak	1.00	
			108.0	1.00	
			108.5	1.00	
			109.0	1.00	
			109.5	0.77	
			110.0	0.08	
			1.80 1.00% - or 5.50 0.73%		Ore
			151.0	0.04	"
			151.5	0.13	"
			152.0	0.35	"
			152.5	0.61	"
			152.7 Peak	0.67	41'
			153.0	0.56	"
			153.5	0.26	"
			154.0	0.07	"
			1.20 0.44%		Ore

HOLE NO.	DATE PROBED	MAX. DEPTH PROBED	DEPTH *	$\%U_3O_8$	CLASSIFICATION
G-35	5-12-56	157.0	109.5	0.07	
			110.0	0.20	
			110.5	0.38	
			111.0 Peak	0.38	
			111.5	0.38	
			112.0	0.22	
			112.5	0.19	
			113.0	0.28	
			113.5	0.48	
			114.0	0.72	
			114.3 Peak	0.85	
			114.5	0.72	
			115.00	0.43	
			115.5	0.23	
			116.0	0.07	
			1.20 0.38 & 1.20 0.85% or		Ore
				5.50 0.20%+	"
			152.0	0.07	"
			152.5	0.12	36'
			153.0	0.12	"
			153.5	0.06	"
			1.00 0.12		Mineral
			155.5	0.06	"
			156.0	0.12	"
			156.5	0.35	2'
		Max. Depth---	157.0	0.56	"
		Probed	? @ ?		Ore (?)

HOLE NO.	DATE PROBED	MAX. DEPTH PROBED	DEPTH *	$\%U_3O_8$	CLASSIFICATION
D-20	5-29-56	212		Barren (?)	
D-21	5-24-56	291	263-0	Anomaly	
D-22	5-30-56	239		Barren	
D-25	5-8-56	255		Barren	
D-27	5-8-56	103		Barren	
D-30	5-24-56	330	255	Anomaly	
D-33	5-25-56	280		Barren	

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill ~~Mayhew 1000 Spec 2-3/8"~~ Core

Contractor Scott Bros.

RECEIVED JUL 23 1956

Drill-hole No. D-2

Total depth 379.0

Collar elev. 4430

Area Green River, Utah

Coordinates North 501,360

East 496,035

Claim Red #2

Date started 5/2/56

Date completed 5/3/56

Logged by I. H. Volgamore

Tie

Core checked for Rad. Hole probed AEC-USGS

Summary

Fav. X Ore OBSS 337-375 Thick 38' Plug SS color Lt Gy Cbn N

Unf. Min. weakly

MS color under OBSS Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	337					337	Plug
337	339	SS	Lt Gy	F-M	N	2	AGn MS fks & gls.
339	349	CG	Lt Gy	Cgl	N	10	Qtz pbls to 10 mm. & Gn MS fks.
349	365	SS	Lt Gy	VF-F	N	16'	St at top
365	368	CG	Lt Gy	Cgl	N	3'	367-367.5 Alt Feldspar grains
368	375	SS	Lt Gy	F	N	7'	
375	377	MS-ST	Gn	VF	N	2'	

~~Note: Originally began hole on 4/25/56 but abandoned it on 4/27/56 when a piece of steel was dropped down the hole.~~

Total footage cored 42.0

Core pulled 35.0

Per cent core recovery 83.3%

Lime content Sparse

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks
326.8	2.4'	AEC		260cps							~~weakly min.~~

Counter used

Drill-hole No. D-2

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - 2-3/8" Core

Contractor Scott Bros.

Drill-hole No. D-12

Total depth 266.0

Collar elev. 4439

Area Green River, Utah

Coordinates North 500,514

East 494,485

Claim Red #1

Date started 5/7/56

Date completed 5/9/56 @ 1:00PM

Logged by J. H. Valgamore

Tie

Core checked for Rad. ____ Hole probed USGS-AEC

Summary

Fav. X Ore X OBSS 191-265 Thick 74' SS color Lt Gy Wh Cbn S@237

Unf. ____ Min. ____ 4' & 1' MS splits

MS color under OBSS Gn ST

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	186					186	Plug
186	191	ST	Gn	VF	N	5'	Sp MS pbls to 5 mm.
191	213	SS	Lt Gy Wh	F	N	22'	SS VC gr. near top. Thn CG seam @207. S Gn MS fks &gls at top & at 207. S pbls in SS.
213	216	CG	Lt Gy	Cgl	N	3'	VA Gn-Bk MS gls. Pbls to 10 mm.
216	229	SS	Gy Bk-Wh	F to C	N	13'	S pbls to 4mm. A Alt feldspar xtls & Bk MS gls @ 221 & 225. Sample #1 & #2 taken in mineralized zone 218 to 220.
229	233	ST	Gn	VF	N	4'	
233	238	SS	LtGyWh	VF	S	5'	X6'd 2 @237-8 also Bk Cbn Fks generally silty SS.
238	239	ST	Gn	VF	N	1'	
239	265	SS	LtGyWh	VF	N	26'	Hard glassy texture 249-252. V Sp Gn MS fks. 259.
265-	266	ST	Gn	VF	N	1'	Actually only 0.2' of ST at base.

Total footage cored 80.0

Core pulled 77.7

Per cent core recovery 97.1%

Lime content Not recorded.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read U_3O_8	Core X Cuttings Cir.	Set	Read	Chemical U %	%	%	Remarks
218.1	1.2'	USGS		0.40				0.35			
220.2	1.0'	USGS		0.18				0.13			

Counter used ____ Drill-hole No. D-12

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000 - 2-3/8 Core
Contractor Scott Bros.

Drill-hole No. D-15
Total depth 278.0
Collar elev. 4450
Area Green River, Utah
Coordinates North 500,134
East 494,361

Claim Red No. 5
Date started 5/9/56
Date completed 5/26/56 @ 5:00 pm *
Logged by J. H. Volgamore & H. W. Evans
Tie
Core checked for Rad. X Hole probed PAC to 19' only.

Summary

Fav. X Ore OBSS 197-272 Thick 75 SS color GyWh Cbn A@ 218-9, 259, 269-70
Unf. Min.
Barren (?) MS color under OBSS GnGy

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	189					189.0	Plugged
189	197	ST	Gn	VF	N	8.0	Grading into Sandy St
197	198	SS	LtGyWh	F-C	N	1.0	A GnMS fks.
198	201	CG	Wh	Cgl	N	3.0	Pbls to 20mm. A Gn MS gls.
201	241	SS	LtGy	VF/VC	N-A	40.0	A cbn at 218-9. S core loss. Vert. Frac. @ 227. Pbls. A GyGn MS fls. & alt. feldspar Grain size vaies from VF to VC but it is coarser at top.
241	245.5	ST,MS,SS	GyGnWh	VF-M	N	4.5	SS with ST & MS
245.5	272	SS	GyWh	F-M	N-A	26.5	S core loss. A cbn at 259 & 269-70, Vert. frac. @ 265. DrGn MS gls @ base
272	278	MS	GnGy	VF	N	6.0	

~~* Hole bottomed first at 245.5 but later deepened to 278 on the basis of geologic info fr. surrounding holes. This hole caved almost as rapidly as it could be cleaned A rock at 65' prevented USGS & AEC from probing the hole.~~

Total footage cored 89
Core pulled 79.8
Per cent core recovery 89 %

Lime content Varied from Sp to A

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Babbel 610 Drill-hole No. D-15

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Joy - BX core
Contractor Scott Bros.

Drill-hole No. D-16
Total depth 245.5
Collar elev. 4399
Area Green River, Utah
Coordinates North 500,050
East 494,752

Claim Red No. 5
Date started 5/7/56
Date completed 5/10/56 @ 5:00 pm
Logged by J. H. Volgamore
Tie
Core checked for Rad. ___ Hole probed USGS-AEC

Summary

Fav. X Ore ___ OBSS 168.5-241 Thick 72.5 SS color Gy Cbn A fr. 228 to 238.
Unf. ___ Min. X
MS color under OBSS GnRd Mottled

Depth From	Depth To	Description Rock	Color	Grain	Cbn	Thick	Remarks
0	162.5					162.5	Plugged
162.5	168.5	MS	RdGn	VF	N	6.0	S Siltstone
168.5	179.0	SS	LtGyWh	VF-VC	N	10.5	VA alt feldspur. Good sorting @ top. Core loss by grinding
179.0	182.0	CG	LtGyWh	Cgl	N	3.0	Pbls to 10mm. A GnMS gls.
182.0	206	SS	M-Lt gy	VF-VC	N	24.0	A Gn MS sms. S Pbls. A alt feldspor & S Gn MS fks at base.
206	209	CG	Lt GY	Cgl	N	3.0	A Gn MS gls.
209	241	SS	Lt GyBr to DKGY	F-C	A	32.0	2'CG SM at 222-4 & S CG in sms below. High core loss thru section. GN/BK MS gls. A alt feldspar at base.
241	245.5	MS	GN-RD	VF	N	4.5	S Siltstone. Mottled RD & GN.

Total footage cored 83.0
Core pulled 54.4
Per cent core recovery 65.5 %

Lime content Varies from Sp to S throughout SS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Set	Read	Chemical %	%	%	Remarks
226.2	0.8	AEC	9,550cps	0.96							No core
227.1	017	USGS	32,000cps	1.00							recovery

Counter used ___ Drill-hole No. D-16

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 & Joy BX core

Contractor Scott Bros & Pocahontas

Drill-hole No. D-17
Total depth 306
Collar elev. 4415
Area Green River, Utah
Coordinates North 499,970
East 495,140

Claim Red No. 4
Date started 5/28/56
Date completed 5/30/56
Logged by
Tie
Core checked for Rad. X Hole probed USGS, PAC

Summary

Fav. Ore OBSS 262-300 Thick 38 SS color GyBrWh Cbn Sp-N
Unf. X Min.

MS color under OBSS Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	234					234.0	Plug
234	248	SS&CG	Gy	F to C	N-A	14.0	Thk CG seams in SS. A cbn fks 240-2. (Very high core loss thru this section due to metal pieces jamming core barrel)
248	262	MS	DrGyGn	VF	N	14.0	
262	287	SS	GyBrWh	F-MC	N-Sp	25.0	S phls & alt. feldspar in SS. S cbn fks in seams
287	290	CG	GyWh	Cgl	Sp	3.0	A DrGyGn MS gls.
290	300	SS	GyWh	F-VC	Sp-N	10.0	Vert. fract. @ 290. A DrGy MS gls @ base.
300	304.5	MS	GnRd	VF	N	4.5	Gn at base of SS and then mottled.
304.5	306	ST	GnRdGy	VF	N	1.5	S SS in ST

Total footage cored 72.0
Core pulled 51.1
Per cent core recovery 71.0 %

Lime content low thru OBSS but high above and below.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Babbel 610 Drill-hole No. D-17

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000 - Joy-Mayhew 1000 Spec.
Contractor Scott Bros. -Pocohantas - Scott **

Drill-hole No. D-18A
Total depth 335'
Collar elev. 4398
Area Green River, Utah
Coordinates North 499,713
East 495,411

Claim Ajax Fraction No. 21
Date started 5/14/56
Date completed 5/24/56
Logged by H. W. Evans
Tie
Core checked for Rad. x Hole probed USGS & AEC

Summary

Fav. Ore OBSS 293-326 Thick 33' SS color Wh-Br-Gy Cbn N-S
Unf. X Min. Barren
MS color under OBSS thn Gn, then Rd-Gn mat.

Depth From	Depth To	Description Rock	Color	Grain	Cbn	Thick	Remarks
0	246					246'	Plug
246	252	MS & ST	Rd-Gn	VF	N	6'	Mottled Color
252	263	SS	Gn-Wh	F to C	N	11'	Dense thn MS sms at top.
							Porous with S pbls.
263	274	CG	Gn-Wh	VC	N	11'	Quite dense with matrix of
							$CaCo_3$ & poorly sorted SS
274	290	MS & ST	Dr-Lt				
			Gy-gn	VF	N	16'	
290	293	MS	Gy Gn	VF	N	3'	Sandy
293	309	SS	Wh,Br,Gy	VC	N	16'	S small pbls.
309	314	CG	Wh,Br,Gy	VC	N	5'	Some 15 mm pbls, SS matrix
314	326	SS	Wh,Br,Gy	VC-M	N	12'	Some large pbls. Gn MS gls.
							at base.
326	335	MS	Gn & Rd	F	N	9'	Some ST
							** Pocahontas lost 46' at drill
							pipe & 140' of casing in hole
							at 322'. Mayhew 1000 Spec
							redrilled hole.

Total footage cored 89.0
Core pulled 78.6
Per cent core recovery 88.3%

Lime content Sp to M in OBSS but otherwise quite A.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Drill-hole No. D-18 A

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 Spec. 2-3/8" Core

Contractor Scott Bros.

Drill-hole No. D-19

Total depth 198'

Collar elev. 4364

Area Green River, Utah

Coordinates North 499,754

East 494,236

Claim Red #5

Date started 4/29/56

Date completed 5/1/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed AEC, USGS, PAC;

Summary

Fav. X Ore X OBSS 80-194 Thick 114' SS color Wh-Gy Cbn Afr150-2'

Unf. Min.

MS color under OBSS Gn,

Depth From	Depth To	Description Rock	Color	Grain	Cbn	Thick	Remarks
0	81					81	Plug
81	93	SS	Wh	FtoVC	N	12'	S CG @ base
93	103	CG	Gy-Wh	Cgl	N	10'	S SS seams. Matrix Mgr'd SS
103	108	SS	Dr Gy-Bk	F-M	A	5'	ore from 103.5 to 108.5
108	115	SS	Gy	M	S	7'	Some CG. Yellow SS @ 113
115	126	CG	Gy-Dr Gy	Cgl	N	11'	M gr SS as matrix
126	142	SS	Wh	M-C	N	6'	CG seams. Porous. Fine
							Gy. Ms fks.
142	150	CG	Gy	Cgl	N	8'	
150	153						

~~Note: Plugged thru ore at 108' on first hole so offset 3' to 5 and redrilled hole.~~

Total footage cored 117

Core pulled 104.9

Per cent core recovery 89.5%

Note: Core loss not in ore zones

Lime content Low from 81 to 149 but otherwise high

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core x Cuttings Cir.	Set	Read	Chemical U_3O_8 %	%	%	Remarks
104.5	1.0'							0.04			
105.5	1.0'							0.08			
106.5	1.0'							0.40			
107.5	1.0'							2.09			
108.5	1.0'							1.31			Avg. 5' @0.78%
152.8	1.3'							0.27			

Counter used

Drill-hole No. D-19

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000 - 13/4" core
Contractor Scott Bros.

Drill-hole No. D-20
Total depth 305.8'
Collar elev. 4415
Area Green River, Utah
Coordinates North 499,670
East 494,627

Claim Red No. 5
Date started 5-12-56
Date completed 5-27-56 *
Logged by J. H. Volgamore & H. W. Evans
Tie
Core checked for Rad. X Hole probed AEC, USGS & POC

Summary

Fav. X Ore OBSS 145(?)-200 Thick 63' SS color Lt GYWH Cbn N
Unf. Min. 215-290 75' Lt Dr GY A 245 to 50
MS color under OBSS GN, Gn GY

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	168					168	Plug
168	176.5	SS	Lt GyWh	F	N	8.5	A Alt feldspar. Sp Ins Gn MS
176.5	197	CG	" " "	Cgl	N	20.5	F to VC SS sms at top. Alt feldspar & Gn MS gls.
197	208	SS	Lt Gy	F	N	11.0	S CG sms. A Ins. Gn MS at base
208	215	ST/MS	Gn RD	VF	N	7.0	Gn St on top & bottom.
215	230	CG	Lt GyWh	VF-C	N	15.0	S thk SS sms & matrix of F to C SS in CG. Sp Gn MS spks & fks.
230	241	SS	Lt GyWh	FC	N	11.0	Thn CG lenses. A Gn lok MS gls.
241	242	ST	Gy Gn	VF	N	1.0	
242	263	SS	Gy	VF-M	N-A	21.0	A cbn streaks 245-50. A Gn & Bk MS gls @ 250
263	265	ST	Gn	VF	N	2.0	
265	290	SS	Dk Gy-Gy	M-F	N-M	25.0	Many thn cbs sms @ base. Porous SS. High core loss 265-276. S Bk to Dk Gy MS fks in SS.
290	305.8	MS/ST	GnGy	F	N	15.8	High core loss.
							* Stopped coring at 250.8 out of no bits on 5-14-56. Completed hole 5-27-56.

Total footage cored 137.8
Core pulled 103.8
Per cent core recovery 75.5 %

Lime content Below 250 A. Above 250 not recorded.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Babbel 610 Drill-hole No. D-20

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000 - Jay - BX core
Contractor Scott Bros. - Pocahontas

RECEIVED JUL 23 1956

Drill-hole No. D-21
Total depth 291
Collar elev. 4422
Area Green River, Utah
Coordinates North 499,291
East 494,502

Claim Red No. 5
Date started 5-15-56
Date completed 5-24-56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. Ore OBSS 200-230 Thick 30' SS color GY Cbn N
Unf. X Min. 254-283 29' GY N
MS color under OBSS GN, GN

Depth From	Depth To	Description Rock	Color	Grain	Cbn	Thick	Remarks
0	181					181	Plug
181	200	MS/ST	RD-GN	VF	N	19	Dense Gn ST @ base
200	208	SS	GY	F-C	N	8	Course at base
208	212	CG	"	M Cgl	N	4	Some large pbls. Poorly sorted
212	230	SS/CG	"	VC	N	18	CG sms in SS with mostly
							CG @ base. Fract 10° off vert
							@ 217. Perous
230	238	MS	GN-RD	F	N	8	S Siltstone
238	248	SS	GY	M	N-S	10	Wh alt feldspar spks. Dense
248	254	MS	DkGN	F	N	6	
254	283	SS	GY	F-M	N	29	A Fractures 20-40° off vert
							270 to 280. Gn MS ags @ base.
							Dense.
283	291	ST/MS	GN,RD	VF	N	8	Very dense. Mottled color
							@ base.

Total footage cored 110
Core pulled 99.3
Per cent core recovery 90.3 %

Lime content Sp to M in upper SS but otherwise A

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Drill-hole No. D-21

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - Jay - BX core

Contractor Scott Bros. - Pocahontas

Drill-hole No. D-22

Total depth 245

Collar elev. 4366

Area Green River, Utah

Coordinates North 498,910

East 494,376

Claim Ajax No. 23

Date started 5-17-56

Date completed 5-29-56 *

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS, AEC POC

Summary

Fav. Ore OBSS 177-194 Thick 17' SS color Lt GY Cbn A @ 186

Unf. X Min. Barren

MS color under OBSS GN-RD

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	134					134	Plug
134	145	SS	GYWHGN	F-M	N	11	Fractures 30° off Vert at top & base. A Gn MS fks & alt feldspar particles
145	163	MS/ST	GY-RDGN	VF	N	18	CN @ top, Mottled RD to Gn below. Sandy MS @ base.
163	169	SS	GYWH	VF	N	6	GN MS seams & gls.
169	177	MS/ST	RD-GN	VF	N	8	
177	194	SS	Lt GY	M-VC	N-A	17	Dk BK cbn seam @ 186. S GN & DK GY MS gls & seams.
194	213	MS & ST	GN-RD GY	VF	N	19	V limy. 2' LS seam @ 206-8
213	216	SS	GN, GN, RD	VF	N	3	Dense & muddy
216	235	MS&ST	RDGNGY	VF	N	19	
235	239	SS	DK GY	VF	Sp	4	Thn Gn MS seams & fks
239	245	MS&ST	RD, GN	VF	N	6	
							* Hole plugged by Scott 6° off vert. Pocahontas re-drilled hole

Total footage cored 111.0

Core pulled 92.5

Per cent core recovery 83.3 %

Lime content Lower in SS than in MS. S in OBSS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used Babbel 610 Drill-hole No. D-22

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000 - 2 3/8" core
Contractor Scott Bros.

Drill-hole No. D-25
Total depth 265.3
Collar elev. 4363
Area Green River, Utah
Coordinates North 498,447
East 494,642

Claim Ajax No. 23
Date started 5-2-56
Date completed 5-7-56
Logged by J. H. Volgamere
Tie
Core checked for Rad. ___ Hole probed USGS-AEC

Summary

Fav. ___ Ore ___ OBSS 210.3-17.5 Thick 7.2' SS color Lt Gy Cbn N
Unf. X Min. ___ Barren
MS color under OBSS RD, GY, GN,

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	192					192.0	Plug
192	198.3	MS	RD, GY, GN	VF	N	6.3	MS & ST
198.3	210.3					12.0	Plug
210.3	217.5	SS	Lt GY	F-M	N	7.2	S CG @ base along with A Gn MS gls.
217.5	238.5	MS	RD, GY, GN	VF	N	21.0	Mottled color. A ST in MS
238.5	248.0	ST	GN	VF	N	9.5	
248.0	255.5	MS	RD, GN	VF	N	7.5	Mottled
255.5	259.0	ST	GN	VF	N	3.5	
259.0	265.3	MS	RD GN	VF	N	6.3	Mottled

Total footage cored 61.3
Core pulled 56.8
Per cent core recovery 92.7%

Lime content Some to abundant in OBSS

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used ___ Drill-hole No. D-25

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 Spec & Joy BX core

Contractor Scott Bros.

Drill-hole No. D - 27

Total depth 215.0'

Collar elev. 4352.0

Area Green River, Utah

Coordinates North 498,067

East 494,517

Claim Ajax #22

Date started 5/1/56

Date completed 5/2/56 @

Logged by J. H. Volgamore

Tie

Core checked for Rad. X Hole probed AEC&USGS

Summary

Fav. X (?) Ore OBSS 160-217' Thick 57' plus SS color LtGyGnWh Chn A @ 192' only

Unf. Min.

Barren

MS color under OBSS Gn,

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	160.0						
160	181	SS	LtGyWh	VF to MF	N	21.0	S Ins Gn MS & alt. feldspar xytals cgl pbls @ 171.
181	185	MS	GyGn	VF	N	4.0	Very sandy
185	194	SS	LtGy	F-C	S	9.0	A Cbn flks @ 192.
194	198	CG	LtGy	Cgl	N	4.0	VF cgl with pbls to 4 mm sparse A Alt feldspar.
198	207.5	SS	LtGyWh	VF-Cgl	N	9.5	S Alt MS gls at top. Cgl seams at 203 & base containing VA GyGn.
207.5	209.0	ST	Gn	VF	N	1.5	
209.0	215.0	MS	RdGn	VF	N	6.0	Mottled color

Total footage cored 55.0

Core pulled 54.0

Per cent core recovery 98.2%

Lime content Generally SP except A fr. 182-187 & fr. 204 to bot.

Sample		Probe			Core Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical %	%	%	

Counter used

Drill-hole No. D - 27

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000-Doc-2-3/8" core

Contractor Scott Bros.

Drill-hole No. D-30
Total depth 333.2
Collar elev. 4343
Area Green River, Utah
Coordinates North 497,139
East 495,048

Claim Ajax No. 14
Date started 5/17/56
Date completed 5/23/56 @ 10:00 AM
Logged by H. M. Evans
Tie
Core checked for Rad. X Hole probed AEC

Summary

Fav. Ore OBSS 291-322 Thick 31' SS color Wh-Gy Cbn N
Unf. X Min.
MS color under OBSS Dr Gn

Barren

Depth		Description					
From	To	Rock	Color	Grain	Cbn	Thick	Remarks
0	197					197'	Plug
197	198	SS	Wh	C	N	1'	
198	201	MS	Rd-Gn	VF	N	3	
201	220					19'	Plug
220	229	MS	Gn	VF	N	9'	
229	235	MS-St	Gn	VF	N	6'	
235	238	MS	Gn	VF	N	3'	S rd MS
238	240	St	Gn	VF	N	2'	Dense
240	258	MS-ST	Gn	VF	N	18'	
258	268	MS	Rd-Gn	VF	N	10'	
268	269	SS	Wh-Gn	F-M	N	1'	
269	270	MS	Rd-Gn	F	N	1'	
270	284	SS	Wh-Gn-Rd	F-M	M	14'	Dense with many Rd & Gn MS seams.
284	291	MS	Rd-Gn	F	N	6'	S ST
291	322	SS	Wh Gy	VC-M	N	31'	Quite porous with some C-G seams and pbls in SS. Many Gn MS galls near base.
322	333	MS	Gn-Rd	VF	N	11'	Dr Gn MS at base of SS; below this MS is mottled Gn & Rd.

Total footage cored 117.1
Core pulled 102.8
Per cent core recovery 87.8%

Lime content Varies considerably but generally low in OBSS.

Sample		Probe			Core Cuttings						Remarks
Base	Thick	Cir.	Set	Read	Cir.	Set	Read	Chemical %	%	%	

Counter used

Drill-hole No. D-30

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 - 2-3/8" Core

Contractor Scott Bros.

Drill-hole No. D - 33

Total depth 380'

Collar elev. 4351

Area Green River, Utah

Coordinates North 495,452

East 495,328

Claim Ajax No. 14

Date started 5/24/56

Date completed 5/25/56

Logged by H. M. Evans

Tie

Core checked for Rad. x Hole probed AEC-USGS

Summary

Fav. x Ore 313-373 OBSS 313-373 Thick 60' SS color WhGn Cbn A@ 356 only

Unf. Min.

Barren

MS color under OBSS DrGyGn ,

Depth From	Depth To	Description Rock	Color	Grain	Cbn	Thick	Remarks
0	242.1					242.1	Plug
242.1	244.8	SS	Wh-Gn	M	N	2.7	MS at top
244.8	245.1	MS	RdGn	VF	N	0.3	
245.1	313.2					68.1	Plug
313.2	315	CG	WhGn	Cgl	N	1.8	Plugged thru 2' of SS
							above Cgl.
315	361	SS	WhGn	F to MC	N-A	46.0	S Gn MS flks & gls. Also
							pbls. Good porous SS @ 340.
							A cbn @ 356 in the seam. SS
							becomes coarser with depth.
							Thn Gn & Rd MS seam @ 317.
361	362.5	CG	WhGn	Cgl	N	1.5	Cgl pbls small
362.5	368.5	SS	WhGn	F-M	N	6.0	Comparatively dense SS
368.5	373	SS-CG	WhGn	M-Cgl	Sp	4.5	SS & CG poorly sorted. S
							Cbn & MS seams
373	374	MS	DrGyGn	VF	N	1.0	
374	375	SS	GyGn	F	N	1.0	Dense SS
375	380	MS	RdGn	VF	N	5.0	

Total footage cored 69.8

Core pulled 60.2

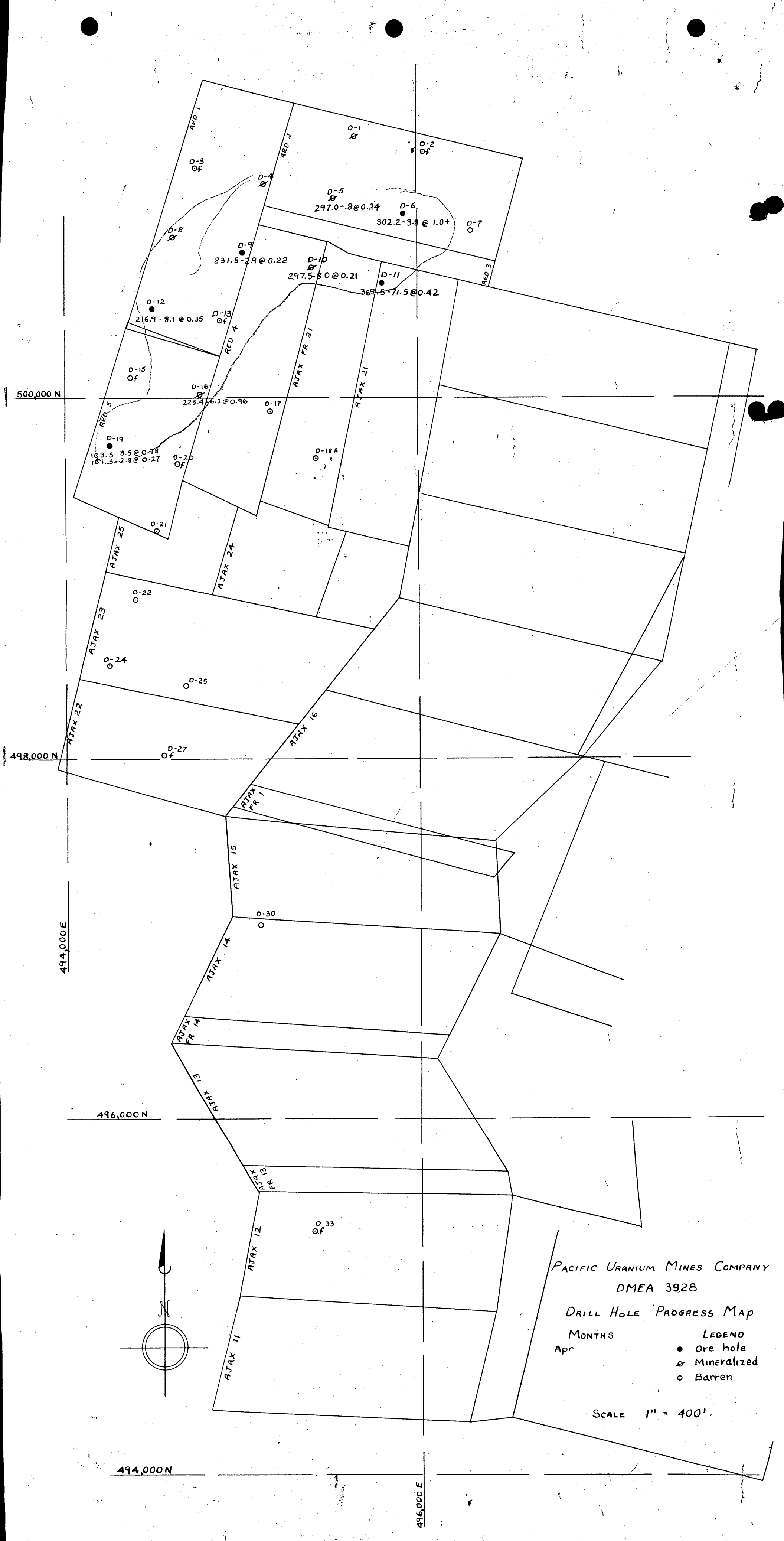
Per cent core recovery 86.3%

Lime content Abundant at top & bot. of SS but less abundant thru central portion.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used

Drill-hole No. D - 33


PACIFIC URANIUM MINES COMPANY
DMEA 3928
DRILL HOLE PROGRESS MAP
MONTHS
Apr
LEGEND
Ore hole
Mineralized
Barren
SCALE 1" = 400'
500,000 N
498,000 N
496,000 N
494,000 N
494,000 E
496,000 E
RED 1
RED 2
RED 3
RED 4
RED 5
AJAX FR 21
AJAX 21
AJAX 25
AJAX 24
AJAX 23
AJAX 22
AJAX 16
AJAX FR 1
AJAX 15
AJAX 14
AJAX FR 14
AJAX 13
AJAX FR 13
AJAX 12
AJAX 11
D-1
D-2
D-3
D-4
D-5
297.0-.8@0.24
D-6
302.2-3.8 @ 1.0+
D-7
D-8
D-9
231.5-2.9@0.22
D-10
297.5-3.0@0.21
D-11
369.5-71.5@0.42
D-12
216.9-8.1 @ 0.35
D-13
D-15
D-16
225.4-6.2@0.96
D-17
D-18 A
D-19
103.5-8.5@0.78
151.5-2.8@0.27
D-20
D-21
D-22
D-24
D-25
D-27
D-30
D-33

6/27/56

FINAL DISTRIBUTION
JUN 2 5 1956
MADE

RECEIVED
JUN 2 7 1956

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

Administrative Audit Difference Statement

Pacific Coast Zinc Company
1021 Crocker Tower Bldg.,
Los Angeles 14, California

Date: June 20, 1956
Payee's Reference: April 1956

DMEA-3928

Gentlemen:

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

Amount Claimed	$ 7,250.92
Difference	$ 7.00
Amount Approved	$ 7,243.92

The reason for the difference was due to:

Deduct:

Analysis of 2 samples for Uranium content at $3.50 per analysis = $7.00. The contract stipulates that the plan are to be analyzed for U3O8 and U3O8 at the combined rate of $5.00 per sample. No provisions is made for analysis of U3O8 content alone.

!? pro-rate.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
JUN 27 1956

224 New Customhouse
Denver 2, Colorado

June 19, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3928 (Uranium) Contract Idm-E926, Pacific Uranium Mines Company (Red, Ajax and Wills claims) Emery County, Utah - Operator's Monthly Progress Report for the month of April, 1956

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

It is deemed 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 as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deduction.

Disallow the amount of $7.00 reported for the analysis of two samples for Uranium content at $3.50 per analysis. The contract stipulates that samples are to be analyzed for U_3O_8 and V_2O_5 at the combined rate of $5.00 per sample. No provision is made for analysis of U_3O_8 content alone.

Remarks

Date of Report----------Not dated
Date Received in Field Office---------- June 7, 1956
Date Received in Region Office---------- June 18, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E926
Sec. Op. Comm. (2)
Shaw (2)
Townsend w/copy engr's report Chron.

DMEA
Date Rec'd

JUN 18 1956

Building 20 BUREAU OF MINES
Denver Federal Center Denver, Colorado
Denver 2, Colorado
June 15, 1956

Region III

RECEIVED
JUN 18 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3928, Contract Ldm-2986 (Uranium), Red, Ajax, and Willa claims, Pacific Uranium Mines Company, Emery County, Utah -- Progress Report for April 1956.

Drilling programs was inspected on May 2, 1956. Scott Brothers, the drilling contractors, were using two Mayhew 1,000 chain pulldowns and a Joy 75. Drilling started on April 10. Hugh Evans was the geologist in charge. The following holes were drilled in April 1956:

Hole	Footage Non-Core	Footage Core	Footage Total	% Core Recovery	Remarks
D-1	287.0	32.5	319.5	86	
D-3	185.0	61.0	246.0	98	
D-4	201.0	73.0	274.0	100	
D-5	255.0	55.0	310.0	98	297.0'-297.8' - 0.24%
D-6	320.0	44.0	364.0	98	302.2'-303.8' - 1.00% Ra
D-7	371.0	80.0	451.0	91	
D-8	185.0	55.0	240.0	94	
D-9	185.0	55.5	240.5	83	231.5'-232.9' - 0.22%
D-10	206.0	102.5	308.5	88	297.5'-298.0' - 0.21%
D-11	284.0	101.5	385.5	92	370.0'-370.5' -0.08%;370.5'-371'-.63% 371.0'-371.5'-0.87%;371.5'-372.0'-.26%
D-13	108.0	56.0	244.0	92	
D-24	124.5	57.0	181.5	91	
Total	2791.5	773.0 (21.69%)	3564.5	94.0	

All holes 'HX' size or larger. A-2, D-25, and D-27 were being cored.

~~Drilling started.~~

The cost of 2791.5 feet of non-core drilling at $1.90 a foot is $4,187.25; the cost of 773 feet of core drilling at $3.50 a foot is $2,705.50; the incidental allowance for 3,564.5 feet of drilling at $0.125 a foot is $445.56; the cost of 5 chemical assays for U_3O_8 and V_2O_5 at $5.00 each is $25.00 and the cost of 2 chemical analyses for U_3O_8 at $3.50 each is $7.00; or a total of $7,370.31.

Payment of 75 percent of the above amount or $5,527.73 is recommended. The driller's logs have been retained in this office.

Carl Belser
Carl Belser

or $ _____

Form MF-134 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 27 1956

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

Month of April, 1956 Docket No. DMEA 3928 Contract No. DMA-1926
Operator's Name PACIFIC URANIUM MINES Minerals
Address 292 South La Cienga Blvd., Beverly Hills, California
Contract Amount, $ 73,840.00 Government Participation: 75 % Amount, $ 55,380.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Noncore	4187.25		4187.25			
~~Bulldozing~~ Drilling, core						
Crosscutting	2705.50		2705.50			
Drifting						
(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	32.00		32.00			
Payroll Taxes						
Liability Insurance						
Incidental Allowance	445.56		445.56			
(8) Contingencies (specify):						
TOTALS	7370.31		7370.31	7363.31	—	7363.31

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

Date ..... *Payee John P. Kellogg

Per ..... Title General Manager

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

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

(Instructions on reverse)

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

$ 5522.48

Signature [illegible]
(Authorized Certifying Officer)

Date 6/20/56 Vou. No. 56-122

(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. DMEA-E92-6 in accordance with the terms of the contract.

Signature Earl Bilan (#5, 52273) Title Planning Engineer Date 6/13/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Naver Title Executive Officer Date JUN 19 1956

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
JUN 27 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1956 Docket No. DMEA 3928 Contract No. IDM-E926
Operator's Name PACIFIC URANIUM MINES Minerals Uranium
Address 292 South La Cienga Blvd., Beverly Hills, California

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~~ Noncore Drilling		4187.25	2791.5	4187.25	2791.5	1.50	8082	12123.00
~~Crosscutting~~ Core Drilling		2705.50	773	2705.50	773	3.50	2720	9520.00
~~Raising~~ Incidental allowed		445.56	3564.5	445.56	3564.5	0.125	10802	1350.25
~~Shafts~~ Chemical Analyses		32.00	5 & 2 *	32.00	5 & 2	5.00 & 3.50	30	150.00
~~Winzes~~ Stage II Noncore Drilling							13000	19500.00
Drilling: Core							2000	7000.00
~~Churn~~ Incidental allowed							15000	1875.00
~~Auger~~ Chemical Analyses							45	225.00
Stage III ~~Stripping~~ Noncore Drilling							10800	16200.00
~~Trenching~~ Core Drilling							1200	4200.00
~~Test Pits~~ Incidental allowed							12000	1500.00
~~Roads and Trails~~ Chem. Analyses							39	195.00
TOTAL DISTRIBUTED COSTS		7370.31		7370.31				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								73840.00

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 ..... Operator John P. Kellogg

Per ..... Title General Manager

REMARKS: *
Five samples analyzed for U_3O_8 and V_2O_5 @ $5.00 each.
Two samples analyzed for U_3O_8 only @ $3.50 each.

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

(Instructions on reverse)

(For Government use only) Carl Belan

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

John P. Kellogg, *Manager*
Robert L. Redmond, *Chief Geologist*
Main Office in Los Angeles

Mining
Exploration
Geology
Engineering

PACIFIC URANIUM MINES

1924 White Avenue
GRAND JUNCTION, COLORADO
Phone 487 or 488

May 14, 1956

Mr. John F. Shaw
U. S. Bureau of Mines
Room 137, Bldg. 20
Denver Federal Center 2, Colorado

Re: DMEA 3928 (Uranium)
Green River, Utah
Contract IDM-E926

Dear Mr. Shaw:

Attached is our report of progress for April, 1956, including narrative, Government forms, summary of drilling and drill hole logs, and progress maps.

Included in the first copy of the report being submitted are photostated copies of receipts pertinent to the loan.

Four copies of the report are being submitted to you, and one copy to J. W. Hasler, of the Geological Survey, in Grand Junction.

Yours very truly,

John P. Kellogg

John P. Kellogg

RECEIVED
JUN 27 1956

APRIL NARRATIVE REPORT

DMEA 3928 CONTRACT IDM-E926

Introduction:

On April 10, 1956, Scott Bros. Drilling Company began work with one Mayhew 1000 Special drilling rig on the Pacific Uranium Mines Company DMEA 3928 uranium exploration project on the Green River Desert, Utah. A second rig began drilling on this project April 13, 1956. These two rigs continued drilling on an eleven-days-on and three-days-off schedule throughout the month of April. This narrative report covers the period from April 10 to April 30, 1956. Included with this report are DMEA Forms MF-104 and -104A; Monthly Exploration Drilling Summary; Drill Hole Logs, Drill Hole Cross Sections, and Drill Hole Progress Map.

Progress:

Twelve of the 34 holes on Stage I were completed during April. Of these, three are classified as ore holes, five as mineralized, three as favorable, and one as unfavorable. The best ore hole was D-11 which had a 2-foot interval with a chemical assay of 0.42% U_3O_8. (On May 1, 1956, D-19 was completed, which proved to be an excellent ore hole: 5.0' averaging 0.78% U_3O_8. The details of this hole will be included in the May report.)

Drilling:

The Scott Bros. Drilling Company is doing a satisfactory job of drilling. Their core recovery for the month of April averaged 94%, with the major portion of the core loss occurring in barren mudstone sections.

The drillers are experiencing some difficulty in removing mudstone from their core barrels, and consequently are reluctant to core through very much mudstone, requiring close supervision in the bottoming of holes.

Correlating the ore-bearing sandstone from one drill hole to the next has been somewhat of a problem on the Stage I 400-foot grid pattern. In some holes (D-6), the sandstone has been encountered considerably higher than its estimated depth; while in others (D-7), it has been found considerably lower than anticipated. It has been the practice of the operator to stop drilling after passing through 30 feet or more of sandstone into from 4 to 6 feet of mudstone. It is possible that more detailed cross section work (now in progress) may suggest the desirability of deepening one or more holes.

Because of adverse topographic conditions, no drilling has been attempted on D-14, D-17, D-18 and D-23. On May 1, 1956, the operator wrote a letter to Mr. Traver requesting that these hole locations be changed. These changes would favor economics rather than geology.

Scott Bros. drilling rates are $1.50 per foot for noncore drilling and $3.50 per foot for core drilling. During April, 2,791.5 feet of noncore and 773 feet of core drilling were completed. No standby time was charged.

Bulldozers:

Seven and one-half hours of bulldozer work were necessary for access road and site preparation in April. An International TD-18 was used for this work. Considerably more bulldozing will be required to complete the remaining drill sites in Stage I. Because the TD-18 was in poor

mechanical condition, a D-6 Caterpillar tractor, with an experienced operator, has been employed to complete the Stage I work. The contract price for this tractor and the operator is $11.00 per hour.

Expenditures:

During the period from April 10 to 30, 1956, a total of $8,060.65 was spent on the DMEA Project No. 3928. Of this, $6,892.75 was spent for drilling, $84.25 for bulldozing, $49.50 for assaying, and $1,034.15 for miscellaneous. All of these expenditures, with the exception of the miscellaneous expenditures, should fall well within the amounts authorized by the Government.

The miscellaneous expenditures are high primarily because the amount set aside in the contract does not adequately provide for our supervision and technical services.

Radiometric Probing:

All holes drilled during April were probed by either or both the U.S.G.S. and the A.E.C. gamma ray logging units. In all cases, either one or both the units probed to within 5 feet or less of the actual depth drilled. With the exception of D-6, any mineralization indicated fell within the section cored. On D-6, an ore zone approximately 1.5 feet thick and assaying radiometrically in excess of 1.0% U_3O_8 was indicated at 303 feet, which lies 17 feet above the section cored. This ore zone was missed because of a series of unfortunate circumstances: One, the sandstone encountered lies well above its estimated depth; two, this hole was the first hole drilled by an uninformed driller who did not change to core when he encountered an unusual sandstone thickness near

the estimated depth; three, the project engineer was not at the drill site when this upper horizon was encountered.

The operator has probed all holes drilled to date with a geiger unit. Results of probing and logging have confirmed thos of the Government, and the chemical assays.

Signed: John P. Kellogg
John P. Kellogg,
General Manager
(for Hugh W. Evans,
Engineer in Charge of Project)

HWE/JPK/hjl

Form Approved
Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1956 Docket No. DMEA 3928 Contract No. Idm-E926
Operator's Name PACIFIC URANIUM MINES COMPANY Minerals Uranium
Address 292 South La Cienega Blvd. Beverly Hills, Calif.
Contract Amount, $73,840.00 Government Participation: 75 % Amount, $55,380.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling noncore	$4,187.25	0	$4,187.25			
~~Bulldozing~~ core	2,705.50	0	2,705.50			
Crosscutting						
Drifting						
Bulldozing	84.25	0	84.25			
(2) Labor and Supervision:						
Labor						
Supervision ( )						
Technical Services ( )	777.00	0	777.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
~~Track~~ Blocks & Stakes	6.71	0	6.71			
Core Boxes	207.57	0	207.57			
Hole Markers	16.08	0	16.08			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	8.20	0	8.20			
Sampling and Analysis	49.50	0	49.50			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Field supplies	12.39	0	12.39			
Typing	6.20	0	6.20			
TOTALS	$8,060.65	0	$8,060.25			

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

Date May 9, 1956 *Payee

Per Title Vice-President

*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)

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 195 . Docket No. DMEA 3928 Contract No. Idm-E926
Operator's Name PACIFIC URANIUM MINES COMPANY Minerals Uranium
Address 292 South La Cienega Blvd., Beverly Hills, Calif.

OPERATION	UNIT	COST THIS MONTH	UNITS THIS MONTH	COST TO DATE	UNITS TO DATE	UNIT COST TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	ft.	2,705.50	773.0	2,705.50	773.0	3.50	960.0	3.50
~~Crown~~ Rotary	ft.	4,187.25	2,791.5	4,187.25	2,791.5	1.50	2863.0	1.50
Auger								
Stripping								
Trenching						(U308 3.50		
~~Pan-Pin~~ Assays	assay	49.50	17.0	49.50	17.0	(V205 1.50	30.0	5.00
Roads and Trails	hr.	84.25	7.5	84.25	7.5			
Miscellaneous*	ft.	1,034.15		1,034.15			0802.0	0.125
TOTAL DISTRIBUTED COSTS		8,060.65		8,060.65				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repair								
New Buildings, Improvements, etc.								
TOTAL COSTS		8,060.65		8,060.65				

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

Date May 9, 1956 Operator

Per Title Vice-President

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

REMARKS: *

Core boxes, 1.62 ea.	$ 207.57
Hole markers, .50 ea.	16.03
Typing	6.20
Field supplies	12.39
Core blocks & survey stakes	6.71
Counter repair	8.20
Supervision	777.00
Total	$1,034.15

(Instructions on reverse)

(For Government use only)

Pacific Uranium Mines Company
MONTHLY EXPLORATION DRILLING SUMMARY

Location: Wareham Claims, Green River, Utah. Month: April, 1956 Engineer in Charge: H. W. Evans

DMEA 3928

STATISTICAL

Hole No.	Contractor	Date Started	Date Completed	Coordinates North	Coordinates East	Collar Elev.	Depth	Footage Plug	Footage Core	% Core Rec.	Standby Time	Cost Plug	Cost Core	Cost Other	Cost Total
D-1	Scott	4/23	4/25	501,440	495,644	4403	319.5	287	32.5	86	0	430.50	113.75	0.00	544.25
D-3	"	4/25	4/27	501,274	494,737	4424	246.0	185	61.0	98	0	277.50	213.50	28.10	519.10
D-4	"	4/10	4/12	501,190	495,128	4406	274.0	201	73.0	100	0	301.50	255.50	0.00	557.00
D-5	"	4/12	4/14	501,106	495,519	4403	310.0	255	55.0	98	0	382.50	192.50	0.00	575.00
D-6	"	4/13	4/14	501,022	495,910	4413	364.0	320	44.0	98	0	480.00	154.00	0.00	634.00
D-7	"	4/18	4/25	500,938	496,300	4442	451.0	371	80.0	91	0	556.50	280.00	16.85	853.35
D-8	"	4/27	4/29	500,894	494,611	4420	240.0	185	55.0	94	0	277.50	192.50	28.10	49[illegible].10
D-9	"	4/19	4/23	500,810	495,002	4395	240.5	185	55.5	83	0	277.50	194.25	11.20	482.95
D-10	"	4/14	4/19	500,726	495,394	4399	308.5	206	102.5	88	0	309.00	358.75	0.00	667.75
D-11	"	4/15	4/18	500,642	495,785	4431	385.5	284	101.5	92	0	426.00	355.25	0.00	781.25
D-13	"	4/27	4/28	500,430	494,877	4396	244.0	188	56.0	92	0	282.00	196.00	0.00	478.00
D-24	"	4/29	4/30	498,530	494,251	4357	181.5	124.5	57.0	91	0	186.75	199.50	0.00	386.25
Total	12 Holes	18 working days					3564.5	2791.5	773.0	94	0	4187.25	2705.50	84.25	6977.00

GEOLOGICAL

Hole No.	Contact Depths Jm66-Jmsw			Ore Bearing Sandstone From	To	Thickness	Classification Ore	Min'	Fav	Unf	Assay Chemical Interval	Mineral	%	Radiometric Interval	%	Remarks
D-1	275			284	316	32		x								
D-3	187			187	242	55			x							
D-4	211			212	253	41		x								
D-5	260			259	303	44		x			297.0-.8	U308	0.24			
D-6	300			315	354	39	x					U308		302.2-3.8	1.0+	Plugged thru ore
D-7	408			408	447	39				x						
D-8	185			191	219	28		x								
D-9	196			196	235	39	x				231.5-2.9	U308	0.22			
D-10	225			259	303	44		x			297.5-8.0	U308	0.21			
D-11	300?			335	375	40	x				369.5-71.5	U308	0.42			Some V205
D-13	201?			202	242	40			x							
D-24	130			131	175	44			x							
						40.5 avg	3	5	3	1						

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DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 Spec.

Contractor Scott Bros.

Drill-hole No. D-1

Total depth 319.8'

Collar elev. 4403

Area Green River, Utah

Coordinates North 501,440

East 495,644

Claim Red #2

Date started 4/23/56

Date completed 4/25/56 @ 12:30 PM

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed AEC-USGS

Summary

Fav. X Ore OBSS 2842-316 Thick 32 SS color Wh & Gn Cbn Nto S-A

Unf. Min. 304.8-305.3

MS color under OBSS Gn

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	287					287'	Plug
287	293	SS	Wh	M	S-A	6'	Dense. Vertical fractures coated with $CaCo_3$.
293	304	CG	Wh, Pr,	Gn M-Peb	N	11'	SS & MS seams. Porous
304	305	MS	Gn	VF	N	1'	MS seam has U of 0.10%
305	316	CGto SS	Gy, Gn	Peb-F	S	11'	CG grades into SS. Carbon appears in thin seams.
316	319.8	MS	Gn, Rd	VF	N	3.8'	Mottled color

Total footage cored 32.8

Core pulled 28.3

Per cent core recovery 86 %

Lime content Comparatively low in SS but high in MS.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used

Drill-hole No. D-1

DRILL HOLE LOG
Pacific Uranium Mines Company

Type of Drill Mayhew 1000
Contractor Scott Bros.

Drill-hole No. D-3
Total depth 246'
Collar elev. 4424
Area Green River
Coordinates North 501,274
East 494,737

Claim Red #1
Date started 4-25-56
Date completed 4-27-56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed USGS AEC

Summary

Fav. X Ore Barren OBSS 187'-242' Thick 55' SS color WH GY Cbn N-A
Unf. Min.
MS color under OBSS GN

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	185					185	Plug
185	187	Ms	GN RD	F	N	2	
187	190	SS	DK GY GN	F	N	3	Dense
190	209	SS CG	WH GY	VC	N	19	Porous
209	224	CG SS	WH GY	VCPEB	S	15	Thin MS seams
224	228	MS	DK GY	VF	N	4	
228	242	SS	WH GY	F	A	14	Cbn in thin seams. Dense
242	246	MS	GN	F	N	4	

Total footage cored 61'
Core pulled 59.8'
Per cent core recovery 98 %

Lime content Abundant in SS. from 196-200 it is a bit lower

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used

Drill-hole No. D-3

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000, Spec.
Contractor Scott Bros.

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Drill-hole No. D-4
Total depth 274
Collar elev. 4400
Area Green River, Utah
Coordinates North 501, 190
East 495, 128

Claim Red #1
Date started 4/10/56
Date completed 4/12/56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed AEC

Summary

Fav. X Ore OBSS 212-253 Thick 31 SS color GyWhGn Cbn N
Unf. Min 219-2150cps
MS color under OBSS Dk Gn

Depth From	Depth To	Description Rock	Color	Grain	Cbn	Thick	Remarks
0	201					201	Plug
201	212	MS	GnRd	VF	N	11	ST at base
212	216	SS	GyGn	F	N	4	
216	218	MS	Bk	VF	N	2	
218	220	CG	GyGn	VC	N	2	
220	222	SS	WhGn	F	N	2	
222	235	CG	GnGy	VC	N	13	Some SS
235	253	SS	GyGn	MtoVC	N	18	Some CG
253	265	MS	Dk Gn	VF	N	12	GnRd at base
265	267	SS-St	GyGn	F-VC	N	2	
267	274	MS	GnRd	VF	N	7	

Total footage cored 73
Core pulled 73.1
Per cent core recovery 100%

Lime content Abundant throughout

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used
Drill-hole No. D-4

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000 Spec.

Contractor Scott Bros.

Drill-hole No. D-5

Total depth 310'

Collar elev. 4403

Area Green River

Coordinates North 501,106

East 495,519

Claim Red #2

Date started 4-12-56

Date completed 4-14-56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore OBSS 259'-303 Thick 44' SS color WH-GN Cbn N

Unf. Min. X

MS color under OBSS GN

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	255					255	PLUG
255	260	MS	DR GN	VF	N	5	
260	270	SS	WH GN	F-VC	N	10	/Quite dense at base./
270	296.8	CG	GN GY	VC	N	26.8	CG with some SS seams.
296.8	300	CG	PR BR	C	N	3.2	Very Dense
300	304	SS	GyGn	VF	N	4	
304	310	MS	GnRd	VF	N	6	Mottled

Total footage cored 55

Core pulled 54.0

Per cent core recovery 98 %

Lime content Abundant throughout

Porous SS CG from 262'- 294'

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical U %	Chemical %	Chemical %	Remarks
297.0	0.8							0.24			

Counter used

Drill-hole No. D-5

DRILL HOLE LOG
Pacific Uranium Mines Company

Type of Drill Mayhew 1000
Contractor Scott Bros.

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Drill-hole No. D-6
Total depth 364'
Collar elev. 4413
Area Green River
Coordinates North 501,022
East 495,910

Claim Red #2
Date started 4-13-56
Date completed 4-14-56
Logged by H W. Evans
Tie
Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore OBSS 315'-354' Thick 39' SS color WH-GY-GN Cbn N-S
Unf. Min. 243.5-244
MS color under OBSS GY GN

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	320					320	PLUG
320	330	SS	WH GY	F-VC	S	10	SS & CG SEAMS, Porous, Asphaltic
330	336	CG	GN GY	VC	*	6	Porous- *330.5-0.2 Asp.Seam
336	340	SS	GY	F-M	*	4	*Thin Seams
340	346	CG	GN GY	VC	*	6	*0.4' MS seam with U_3O_8 min. U_3O_8 0.15%. Pyrite crystal noted. Porous
346	350	SS	GY WH	F-C	*	4	*MS & Asph. seams-Porous
350	354	SS	GY WH	F-C	*	4	* " " "
354	364	MS-ST	GY GN	F	N	10	

Note: Plugged through ore which occurs in SS ten feet above the estimated plug depth. This SS could be a continuation of the SS cored but the cuttings seemed to indicate some MS in this area.

Total footage cored 44'
Core pulled 43.1'
Per cent core recovery 98 %

Lime content Abundant throughout

Sample Base	Sample Thick	Probe AEC Cir.	Scr CPS	Read UE%	Core Cuttings Cir.	Set	Read	Chemical %	%	%	Remarks
303.8	1.6	G6	6050	1.0+%							

Counter used
Drill-hole No. D-6

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000

Contractor Scott Bros.

Drill-hole No. D-7

Total depth 451'

Collar elev. 4442

Area Green River, Utah

Coordinates North 500,938

East 496,300

Claim Red #2

Date started 4/18/56

Date completed 4/25/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. Ore OBSS 408-447 Thick 39 SS color WhGyGn Cbn N

Unf. X Min.

Barren

MS color under OBSS Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	330					330	Plug
330	334	SS	WhRd	F	N	4	Dense
334	339	MS	Rd	F	N	5	Some Pebs
339	354					15	Plug
354	357	SS-CG	Gn	VF	N	3	Dense
357	363	MS	DkGyGn	VF	N	6	Dense
363	389					23	Plug
389	408	MS	Dk GyGn	F	N	19	
408	420	SS	Wh	M	N	12	Porous
420	436	CG	Gy	M-Pebs	N	16	SS seams & MS galls
436	447	SS	Gy	F-M	N	11	Fairly dense-CG seam at base.
447	451	MS	Gn	VF	N	4	Some Rd appears at base

Total footage cored 80'

Core pulled 72.9'

Per cent core recovery 91 %

Lime content Fairly abundant, more so in MS than SS.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used

Drill-hole No. D-7

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000
Contractor Scott Bros.

Drill-hole No. D-8
Total depth 240'
Collar elev. 4420
Area Green River
Coordinates North 500,894
East 494,611

Claim Red # 1
Date started 4-27-56
Date completed 4-29-56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore OBSS 191'-219' Thick 28' SS color GY-GN-WH Cbn N-A
Unf. Min. 219'-0.18%
MS color under OBSS GN

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	169.7					169.7	Plug
169.7	171	SS	GY GN	F	N	1.3	Dense
171	175.7	MS	GN RD	F	N	4.7	Mottled color
175.7	191					15.3	Plug
191	206	SS	WH GY	M Pebs	N	15	With CG. Porous
206	210	CG	GY WH	VC Pebs	N	4	
210	219	SS	GY	F-VC	A	9	MS seams. Vertical fra
219	220	MS	GY GN	F	N	1	
220	224	SI	GN	F	N	4	Dense
224	228	MS	DK GN	F	N	4	
228	237	SS	GY	F	S	9	Dense. MS seams
237	240	MS	GN RD	F	N	3	Mottled color

Total footage cored 55.0'
Core pulled 51.5'
Per cent core recovery 94 %

Lime content Abundant except in SS from 191-206

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used
Drill-hole No. D-8

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000 Spec.
Contractor Scott Bros.

Drill-hole No. D-9
Total depth 240.5'
Collar elev. 4395
Area Green River
Coordinates North 500,810
East 495,002

Claim Red #1
Date started 4-19-56
Date completed 4-23-56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore X OBSS 196'-235 Thick 39' SS color GY GN Cbn N-S
Unf. Min.
MS color under OBSS GN

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	185					185	Plug
185	187	SS	GN GY	F-M	N	2	some rd MS near top
187	196	MS	GN	F	N	9	
196	199	SS	GN GY	F-M	N	3	[illegible] porous
199	210	SS	GY GN	C	N	11	[illegible] porous some pebs.
210	220	SS	GY GN	C	N	10	SS with CG seams- some pebs.
220	225	CG	GY WH	PEBS	*	5	*222 Asphaltic seams-no UE
225	235	SS	GY WH	M-C	S	10	SS with some CG & Asp. seams
							231.5'-232.8'- coffinite (?)
							U_e 0.25-0.45%
235	240.5	MS	GN-RD	F		5.5	

Total footage cored 55.5'
Core pulled 46.1'
Per cent core recovery 83 %

Lime content Abundant, except 195-221'- sparse

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical U %	Chemical %	Chemical %	Remarks
232.9	1.4							0.22			

Counter used
Drill-hole No. D-9

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhem 1000 Spec.

Contractor Scott Bros.

Drill-hole No. D-10

Total depth 308.5

Collar elev. 4399

Area Green River, Utah

Coordinates North 500,726

East 495,394

Claim Red #1

Date started 4/14/56

Date completed 4/19/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore OBSS 259-303 Thick 44' SS color Gy-Wh-GnCbn N-S

Unf. Min. 296'2-296'8

MS color under OBSS Gn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	206						Plug
206	214	SS&CG	Gy-Gn	VC	N		Dense
214	225	MS	Gn-Pr	F	N		Hard & Dense
225	239	SS & CG	Gy-Wh	F-VC	N		Dense
239	258	MS	Gn	F	N		Sandy near base
258	293	SS	Gy-Wh	M-VC	N		Semi-porous, CG @ 280 Bk. MS seam @ 285
293	297	MS&SS	Dr-Gy	F	S		Vertical Fracture
297	303	SS	GnGy	F	S		Some MS seams, Vertical fractures, Dense.
303	308.5	MS	GnRD	F	N		Dense

Abundant lime except from 260-285' and in thin MS areas between 246-260'. In these areas the lime content is low.

Total footage cored 102.5

Core pulled 89.8

Per cent core recovery 88 %

Lime content

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical U %	Chemical %	Chemical %	Remarks
298.0	0.5							0.21			

Counter used

Drill-hole No. D-10

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 1000
Contractor Scott Bros.

RECEIVED
JUN 27 1956

Drill-hole No. D-11
Total depth 385.5
Collar elev. 4431
Area Green River, Utah
Coordinates North 500,642
East 495,785

Claim Ajax #21
Date started 4/15/56
Date completed 4/18/56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore X OBSS 335-375 Thick 40' SS color Gy-WhGn Cbn N-S
Unf. Min.
MS color under OBSS Dk Gn ,

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	284					284	Plug
284	293	MS	Pr	F	N	9	
293	300	MS	Gn	F	N	7	Some SS. Dense & hard
300	304	SS	Gn-Gy	F-M	N	4	Some MS. Dense
304	313	CG-SS	Gy-Gn	M-Pebs	S	9	
313	317	SS	Gy	M-C	N	4	
317	322	CG	Gy-Gn	M-Pebs	N	5	MS seams & galls
322	327	SS	Gy-Gn	C-M	N	5	Dense
327	335	MS	Gn	F	N	8	Grades into SS
335	338	SS	Wh-Gy	M	N	3	Porous
338	363	CG	Gy-Wh	M-Pebs	N	25	Grades into SS. MS galls,
363	375	SS	Wh	M-VC	S	12	Most SS crystals well-rounde
375	385.5	MS	Dk Gn	F	N	10.5	Mottled Rd & Gn

Total footage cored 101.7'
Core pulled 94.0
Per cent core recovery 92 %

Lime content Abundant in MS
Comparatively low in SS except along fractures which are coated with $CaCO_3$

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical U %	Chemical V %	Chemical %	Remarks
370.0	0.5							0.02			
370.5	0.5							0.53	0.28		
371.0	0.5							0.87	0.04		
371.5	0.5							0.26			

Counter used
Drill-hole No. D-11

DRILL HOLE LOG
Pacific Uranium Mines Company
Type of Drill Mayhew 100 Spec.
Contractor Scott Bros.

RECEIVED JUN 27 1956

Drill-hole No. D-13
Total depth 244 ft.
Collar elev. 4396
Area Green River, Utah
Coordinates North 500,430
East 498,877

Claim Red #1
Date started 4/27/56
Date completed 4/28/56
Logged by H. W. Evans
Tie
Core checked for Rad. X Hole probed USGS-AEC

Summary

Fav. X Ore OBSS 202'-242' Thick 40' SS color GyWhGn Cbn N-S
Unf. Min. Barren MS color under OBSS Gn

Depth From	Depth To	Description: Rock	Color	Grain	Cbn	Thick	Remarks
0	173					173	Plug
173	178	SS-CG	Wh	M-VC	N	5	Some Pebs
178	183.8	MS	GnRd	F	N	5.8	
183.8	199					5.2	
199	202	MS	GyGn	VF	N	3	
202	205	SS	WhGy	CV	N	3	Porous
205	224	CG	WhGy	CV-Pebs	N	19	Some limonite stains. CG grades into SS.
224	233	SS	GyWh	F-C	S	9	
233	236	SS	Gy	C-Pebs	N	3	MS galls
236	242	SS	GyGn	F	N	6	Dense
242	244	MS	Gn	F	N	2	Rd knob at base, Dense, vert. seam filled with CaCO

Total footage cored 55.8'
Core pulled 50.7'
Per cent core recovery 92 %

Lime content FR. 199-229' low, 229-239' med, 239-244' high.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used
Drill-hole No. D-13

RECEIVED
JUN 27 1956

DRILL HOLE LOG

Pacific Uranium Mines Company

Type of Drill Mayhew 1000

Contractor Scott Bros.

Drill-hole No. D-24

Total depth 181.6

Collar elev. 4357

Area Green River, Utah

Coordinates North 498,530

East 494,251

Claim Ajax #23

Date started 4/29/56

Date completed 4/30/56

Logged by H. W. Evans

Tie

Core checked for Rad. X Hole probed

Summary

Fav. X Ore OBSS 131-175 Thick 44 SS color WhGyGn Cbn N-VA

Unf. Min. Barren

MS color under OBSS RdGn

Depth From	Depth To	Rock	Color	Grain	Cbn	Thick	Remarks
0	116.5					116.5	Plug
116.5	117.0	SS	WhGn	F	N	0.5	Dense
117.0	123.3	MS	RdGn	F	N	6.3	Mottled
123.3	131.6					8.3	Plug
131.6	138	SS	WhGy	F-M	N	6.4	Gn MS at base
138	158	SS	GnWh	M	N	20.0	Porous
158	165	SS	GnGy	C	S	7.0	Some Pebs
165	175	SS	GnGy	F-C	VA	10.0	Mixed grain, size but finer at base.
175	181.6	MS	RdGn	F	N	6.6	Mottled

Total footage cored 56.8

Core pulled 51.5

Per cent core recovery 91%

Lime content Comparatively low from 142-173.

Sample Base	Sample Thick	Probe Cir.	Probe Set	Probe Read	Core Cuttings Cir.	Core Cuttings Set	Core Cuttings Read	Chemical %	Chemical %	Chemical %	Remarks

Counter used

Drill-hole No. D-24

PACIFIC URANIUM MINES

1924 White Avenue
Grand Junction, Colorado
Phone 487 or 488

RADIOMETRIC LOG SUMMARY - APRIL, 1956

DMEA 3928, CONTRACT IDM-E926

Drill Hole	Date Probed	Maximum Depth Probed	Readings Depth	Readings U₃O₈%
D-1	4/22	315	309.0	0.10
D-3	4/27	243	228.0	Anomaly only
D-4	4/12	274	218.5	0.09
			219.0	0.18
			219.5	0.12
			220.0	0.04
D-5	4/14	307	295.5	0.08
			296.0	0.14
			296.5	0.32
			297.0	0.18
			297.5	0.04
D-6	4/14	361	299.0	0.08
			299.5	0.11
			300.0	0.19
			300.5	0.29
			301.0	0.44
			301.5	0.57
			302.0	0.83
			302.5	1.00+
			303.0	1.00+
			303.5	1.00+
			304.0	0.88
			304.5	0.37
			305.0	0.13
			305.5	0.04
			1.5	1.00+ ore
D-7	4/27	448	438.5	Anomaly only
D-8	4/29	241	211.0	0.08
			211.5	0.20
			212.0	0.16
			212.5	0.04

Radiometric Log Summary - April, 1956
Pacific Uranium Mines
DMEA 3928, Cont. IDM-E926
Page 2

Drill Hole	Date Probed	Maximum Depth Probed	Readings Depth	Readings U₃O₈%
D-9	4/24	236.3	233.0	0.08
			233.5	0.18
			234.0	0.56
			234.5	0.97
			235.0	0.68
			235.5	0.55
			236.0	0.26
			236.5	0.03
			1.1' @	0.97 ore
D-10	4/19	308.0	296.0	0.07
			296.5	0.18
			296.8	0.23
			297.0	0.19
			297.5	0.07
			298.0	0.03
			298.5	0.04
			299.0	0.08
			299.5	0.20
			300.0	0.11
			300.5	0.02
			0.5' @	0.23 mineral
D-11	4/19	380.0		
			370.5	0.05
			371.0	0.18
			371.5	0.56
			372.0	0.85
			372.5	0.87
			373.0	0.54
			373.5	0.15
			374.0	0.03
			374.5	0.04
			375.0	0.11
			375.5	0.08
			1.3 @	0.87 ore
D-13	4/29	245.0	239.0	Anomaly only
D-24	5/2	135.0		Barren