DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Rare and Miscellaneous Metals

Report Period 1/1/58 thru 6/30/58

DMEA No.	Operator	Contract No.
2128	Flanders and Utarado Mining Companyies (Gateway Mining)	Idm-E408

ORE ESTIMATES

	Tons	Analysis
DMEA	1,285 684	0.41% U_3O_8 + 1.12% U_2O_5 0.42% U_3O_8 + 1.42% U_2O_5
Operator to date	26 311	0.42% U_3O_8 + 1.42% U_2O_5
Total	28,280	
Production to date	31,453,455	0.31% U_3O_8 + 1.07% U_2O_5
Ore in ground		

INVESTMENT None available

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Royalties repaid in full.

Prepared by Kumar Date 11-17-58

31398

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~DEFENSE MINERALS EXPLORATION ADMINISTRATION~~
OFFICE of MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado

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O. M. E.
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DATE		CODE
11-7	C	220
4		110
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November 5, 1958

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1958 through June 30, 1958

DMEA Docket 2128, (Uranium - Vanadium), Contract Idm-E408, Flanders and Utarado Mining Companies, (La Sal Group) Mesa County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692. In accordance with the minutes of the Operating Committee, No. 9, dated October 17, 1958, this will be the last semiannual report on this property.

J. W. Townsend

Enclosures

	Tons	U_3O_8 Analysis	V_2O_5
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [X]	1,285	0.41%	1.12%
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]			
Increase of Reserves by work performed subsequent to DMEA project work			
Production DMEA {~~conc~~ / ore} (This period)	2,024.515	0.30%	1.00%
(Previous)	19,428.940	0.34%	1.20%
(To Date)	21,453.455	0.31%	1.07%
" Operator's {~~conc~~ / ore} (This period)*	4,351.04	0.35%	1.20%
(Previous)			
(To Date)			

*Produced after loan was repaid in full.

Percent Revised Reserves Mined _____

(For Uranium Ores Only)

Initial Production Bonus:

Status Operator: Ineligible [ ] Not Applied [ ] Applied [ ] Rec'ing pmt [ ] Pd up [X]

Pounds U_3O_8 produced this period eligible for Bonus None

Amount of Bonus paid to Operator this period $ None

Total pounds U_3O_8 produced to date eligible for Bonus $ 10,000.00

Total amount of Bonus paid to Operator to date $ _____

Bonus Royalty Paid $ 628.55

Bonus Royalty Due $ None

Investment Data

Not available

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Rehabilitation Description	Rehabilitation Cost	Type & Size	Drilling Feet	Drilling Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

Signed H. F. Robertson (Engineer)

Semiannual Report of Certified Projects

Reporting Period January 1, 1958 - June 30, 1958

Docket and Contract Number DMEA 2128, Contract Idm-E408

Operator Flanders and Utarado Mining Companies

Commodity Uranium - vanadium

Mine Name La Sal Group

County and State MesaCounty, Colorado

Date of Contract September 26, 1952

Date of Certification July 3, 1953

Expiration Date of Royalty Payments September 26, 1962

Date of Examination for this Report August 12, 1958

Total Amount of Contract $51,969.15

Total Expenditures under Contract $51,969.15

Amount of Government Participation at 90 % $46,772.10

Royalty Payments this Period $ 7,390.32

Previous Royalty Payments $ 39,381.78

Total Royalty Payments to Date $ 46,772.10 48,187.97 CNAD

% Loan Repayment Completed 100%

Amount of Royalty Due None

Royalty Remarks Royalty paid in full.

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT Mar. 28, 1958

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of **Rare and Miscellaneous Metals**

Report Period 7/1/57-12/31/57

DMEA No.	Operator	Contract No.
2128	**Flanders & Utarado Mining (Gateway)**	408

ORE ESTIMATES

	Tons	Analysis
DMEA	1,285 —	0.41% U_3O_8 + 1.12% V_2O_5
	684 —	0.42% U_3O_8 + 1.42% V_2O_5
Operator to date	26,311 —	0.42% U_3O_8 + 1.42% V_2O_5
Total	28,280 —	
Production to date	19,428.94 —	0.34% U_3O_8 + 1.20% V_2O_5
Ore in ground		

INVESTMENT Not available

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Prepared by [illegible] Date 3/28/58

31398

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

March 18, 1958

OFFICE COPY
DMEA
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DATE		
3/21	C	220
3/24	COM	100
"	Fig	110
3/25	CEH	800
3/28	Cuaese	700

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1957 - December 31, 1957

DMEA Docket 2128
Contract Idm-E 408

Flanders and Utarado Mining Companies (La Sal Group)
Mesa County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W H King
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:dp

cc: Semiannual Report File E408
DMEA/GJ
Hasler
Chron.

Some reconciliation in order between original reserve estimates & production to date.

Semiannual Report of Certified Projects

Reporting Period July 1, 1957 - December 31, 1957

Docket and Contract Number DMEA 2128, Contract Idm- E408

Operator Flanders and Utarado Mining Companies

Commodity Uranium - Vanadium

Mine Name La Sal Group

County and State Mesa County, Colorado

Date of Contract September 26, 1952

Date of Certification July 3, 1953

Expiration Date of Royalty Payments September 26, 1962

Date of Examination for this Report February 26, 1958

Total Amount of Contract $51,969.15

Total Expenditures under Contract $51,969.15

Amount of Government Participation at 90 % $46,772.10

Royalty Payments this Period $8,949.98

Previous Royalty Payments $30,431.80

Total Royalty Payments to Date $39,381.78

% Loan Repayment Completed 84.2

Amount of Royalty Due

Royalty Remarks

Royalties on 8 lots of ore shipped between 7/1/57 and 12/31/57 not reported to DMEA by operators (See our letters to operators dated March 4,1958)

	Tons	U_3O_8 Analysis	V_2O_5
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [ ]	1285	0.41	1.12
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]			
Increase of Reserves by work performed subsequent to DMEA project work			
Production DMEA ore (This period)	1/ 7253.14	0.30	1.10
(Previous) Amended:	12175.80	0.36	1.26
(To date)	19428.94	0.34	1.20
" Operator's ore (This period) found subsequent			
(Previous) to DMEA work			
(To date)			

Percent Revised Reserves mined _____

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Pd up [X]

Pounds U_3O_8 produced this period eligible for Bonus None

Amount of Bonus paid to Operator this period $ None

Total pounds U_3O_8 produced to date eligible for Bonus 10,000.00

Total amount of Bonus paid to Operator to date $ _____

Bonus Royalty Paid $ 628.55

Bonus Royalty Due $ None

Investment Data Not available

Shafts Size	Feet	Cost	Winzes Size	Feet	Cost	Drifts & Crosscuts Size	Feet	Cost

Raises Size	Feet	Cost	Drilling Type & Size	Feet	Cost	Rehabilitation Description	Cost

Facilities

Mine Plant Description	Cost	Mill Description	Cost	Roads Description	Cost

Remarks

1/Includes 1987.35 tons of ore produced this period but not reported to this office and 1893.697 tons produced in past periods but reported during report period comprised of: 1) 1893.697 tons produced in past periods but reported during period
2) 1987.35 tons produced during period but not reported
3) 3372.096 tons produced and reported during period

Signed M. B. Hasbury (Engineer)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 9-20-57

Semi-Annual Report - Certified Project Date 1-1 to 6-30-57

DMEA No. 2128 Operator Flanders & Utarado Mining Co. Contract No. Idm-E 408

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	1,285	0.41% U_3O_8 + 1.12% V_2O_5
	684	0.31% U_3O_8 + 0.59% V_2O_5
Increase (Operator)	* 26,311	0.42% U_3O_8 + 1.42% V_2O_5
Total		
Decrease (Production)	14,163.15	0.37% U_3O_8 + 1.29% V_2O_5
Net Available		

Investment - Unknown Non reported

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

* Increase in [illegible]

** [illegible] this [illegible] 14,163.15 [illegible] 1.29% [illegible]

F. Keenan

100338

ACTION ON INTERIM
OR FINAL FIELD TRAN REPORT
Date 9/25/57

Referred to:

1. ~~Mr. Mitchell~~
2. ~~Mr. Johnson~~
3. ~~Mr. Stanborne~~
4. Docket Control Mails and Files
5. Divisi
6. Docket Control Mails and Files

Note comments in report regarding:

1. Substantial Tonnage
2. Increase
3. Royalty due
4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams
JB

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DATE	INITIALS	CODE
9/25	B	220
26	Com	100

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

September 20, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957
DMEA Docket 2128 (Uranium-Vanadium)
Contract Idm-E 408, Flanders & Utarado Mining Companies (La Sal Group), Mesa County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

G W Sommerd

Alternate Acting Executive Officer
DMEA Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 408
DMEA/DFC (2)
DMEA/G.Jct.
Harshman
Hasler
Chron.

Semiannual Report of Certified Projects

Reporting Period	January 1, 1957 through June 30, 1957
Docket and Contract Number	DMEA 2128, Contract Idm-E408
Operator	Flanders and Utarado Mining Companies
Commodity	Uranium-Vanadium
Mine Name	La Sal Group
County and State	Mesa County, Colorado
Date of Contract	September 26, 1952
Date of Certification	July 3, 1953
Expiration Date of Royalty Payments	September 26, 1962
Date of Examination for this Report	July 10, 1957
Total Amount of Contract	$51,969.15
Total Expenditures under Contract	$51,969.15
Amount of Government Participation at 90 %	$46,772.10
Royalty Payments this Period	$2,886.93
Previous Royalty Payments	$27,544.87
Total Royalty Payments to Date	$30,431.80
% Loan Repayment Completed	65.06%

Amount of Royalty Due See our ltr to Flanders and ltr to Utarado dtd 9/11/57

Royalty Remarks Royalty is due on a total of 1,596.88 tons mined during the period 12/55 to 1/57.

	Tons	U_3O_8 Analysis	V_2O_5 Analysis
Original Estimate of DMEA Reserve (Field Team Final Report) Mines [X] Survey [X] Joint [ ]	1,285	0.41%	1.12%
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	No revision		
Increase of Reserves by work performed subsequent to DMEA project work	26,311	0.42%	1.42%
Production DMEA ore (This period)	* 2,804.20	0.26%	1.13%
(Previous)	11,358.95	0.40%	1.33%
(To Date)	14,163.15	0.37%	1.29%
" Operator's ore found subsequent to DMEA work (This period)			
(Previous)			
(To date)			

Percent Revised Reserves Mines 51.3%

* Starting w/Liq. No. 3015
Ending w/Liq. No. 3433

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Paid up [X]

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $_____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $_____

Bonus Royalty Paid $_____

Bonus Royalty Due $_____

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

Signed H. T. Robertson (Engineer)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date April 2, 1957

Semi-Annual Report - Certified Project Date July 1, 1956 thru Dec. 31, 1956

DMEA No. 2128 Operator Flanders and Utarado Mining Companies Contract No. Idm-E 408

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	1,285 / 684	0.41% U_3O_8 + 1.12% V_2O_5 / 0.31% U_3O_8 + 0.59% V_2O_5
Increase (Operator)	* 8,837.69	0.37% U_3O_8 + 1.31% V_2O_5
Total		
Decrease (Production)	** 2,713.97	0.42% U_3O_8 + 1.31% V_2O_5
Net Available		

Investment

No Information for this report.

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

* Found subsequent to previous report

** Production this period

J Akerman

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

March 29, 1957

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DATE	INITIALS	CODE
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Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region ~~III~~

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956
DMEA Docket 2128 (Uranium-Vanadium)
Contract Idm-E 408, Flanders and Utarado Mining Companies (La Sal Group), Mesa County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. M. Harshman

for W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 408
J. F. Shaw (2)
Harshman
Hasler
Chron.

Semi-Annual Report of Certified Projects

Reporting Period **July 1, 1956 through December 31, 1956**

Docket and Contract Number **DMEA 2128, Contract Idm-E408**

Operator **Pacific Industries, Inc. (formerly Central Eureka Corporation) Flanders Division, successor to Gateway Mining and Development Co. and Flanders Mining Co. Utardo Mining Co. and Beaver Mesa Uranium, Inc., lessees**

Commodity **Uranium-Vanadium**

Mine Name **La Sal Group**

County and State **Mesa County, Colorado**

DMEA
DEPARTMENT OF THE INTERIOR
MAR 20 1957
REGION III
DENVER, COLORADO

Date of Contract **September 26, 1952**

Date of Certification **July 3, 1953**

Expiration Date of Royalty Payments **September 26, 1962**

Date of Examination for this Report **February 7, 1957**

DMEA
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DATE	INITIALS	CODE

Total Amount of Contract **$51,969.15**

Total Expenditures under Contract **$51,969.15**

Amount of Government Participation at 50 % **$46,772.10**

Royalty Payments this Period **(July 1 through December 31, 1956) $9,502.94**

Previous Royalty Payments **$18,041.93**

Total Royalty Payments to Date **$27,544.87**

% Loan Repayment Completed **58.89**

Amount of Royalty Due **None (see note 1 on page 2)**

Royalty Remarks **See Table 1 for detailed production as shown in AEC production records for the reporting period July 1, 1956 through December 31, 1956.**

	Tons	U_3O_8 Analysis	V_2O_5 Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [X] Survey [X] Joint [ ]	1,285	0.41%	1.12%
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	no revision		
Increase of Reserves by work performed subsequent to DMEA project work	26,311	0.42%	1.42%
Production DMEA ore (This period)	none	---	---
(Previous)	none	---	---
(To date	none	---	---
" Operator's ore (This period)	2,713.97	0.42%	1.63%
found subsequent (Previous)	8,837.69	0.39%	1.31%
to DMEA work (To date)	11,551.66	0.40%	1.39%

Percent Revised Reserves Mines 41.9

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [x] Applied for [ ] Rec'ing pmt [ ] Paid up [ ]

Pounds U_3O_8 produced this period eligible for Bonus ---

Amount of Bonus paid to Operator this period $ ---

Total pounds U_3O_8 produced to date eligible for Bonus 10,000 (?) 1/

Total amount of Bonus paid to Operator to date $ (?)

Bonus Royalty Paid $ ---

Bonus Royalty Due $ ---

Investment Data **No information for this report.**

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

1/ Bonus payments were subject of lawsuit between Utarde Mining Company and Geranium Mining Company over bonus paid the latter on ore of disputed ownership. No settlement has been made to date so far as known. Any monies received by Utarde Mining Company as a result of a settlement are subject to DMEA royalty.

Signed [signature] (Engineer)

H. F. Robertson.

TABLE 1 — Ore shipments from claims subordinated under Docket DMEA 2128, Contract Idm-E408 as shown in AEC production records. Reporting Period: July 1, 1956 — Dec. 31, 1956.

Liq. No.	Date	Dry Tons	U_3O_8 %	U_3O_8 lbs.	V_2O_5 %	V_2O_5 lbs.
	Claim - La Salle		Shipper - Utarde Mining Co.			
1503	7-56	23.03	0.74	340.90	2.29	1,054.94
2629	7-56	178.49	0.21	756.59	0.79	2,804.95
2676	8-56	58.26	0.20	230.49	0.67	781.84
2702	8-56	78.05	0.22	341.48	0.39	608.50
2836	9-56	43.53	0.24	212.86	0.61	528.15
2916	10-56	13.78	0.52	143.31	1.65	454.72
2935	10-56	60.67	0.26	314.72	1.54	1,864.79
2986	11-56	113.12	0.23	531.34	1.22	2,767.15
3015	11-56	15.55	0.29	90.19	0.94	292.34
1772	12-56	38.59	0.69	530.58	2.45	1,891.54
1790	12-56	19.10	0.70	267.18	2.50	956.78
	Claim - La Sal 3		Shipper - Utarde Mining Co.			
1504	7-56	84.78	0.37	624.09	1.66	2,811.92
1522	7-56	123.46	0.46	1,142.36	1.84	4,543.54
1557	8-56	113.51	0.62	1,410.52	2.85	6,478.91
1574	8-56	144.38	0.83	2,394.41	2.87	8,291.50
1605	9-56	178.54	0.86	3,067.68	2.84	10,156.92
1645	9-56	197.48	0.75	2,949.45	2.98	11,761.16
1657	10-56	65.72	0.80	1,045.64	3.09	4,057.17
1703	10-56	118.89	0.52	1,231.28	2.05	4,866.02
1728	11-56	73.92	0.24	348.97	1.05	1,555.66
1759	11-56	154.86	0.34	1,060.88	1.46	4,507.38

TABLE 1 (cont.)

Liq. No.	Date	Dry Tons	U_3O_8 %	U_3O_8 lbs.	V_2O_5 %	V_2O_5 lbs.
(con.t)	Claim - La Sal 3		Shipper - Utardo Mining Co.			
1785	12-56	52.83	0.39	416.42	1.75	1,845.21
1789	12-56	43.44	0.37	320.90	1.82	1,578.07
	Claim - La Sal 1		Shipper - Beaver Mesa Uranium, Inc.			
1536	9-56	67.50	0.18	237.78	0.80	1,074.35
1697	10-56	13.23	0.31	82.00	1.09	288.32
1750	11-56	92.90	0.21	391.94	0.83	1,547.72
	Claim La Sal 4		Shipper - Beaver Mesa Uranium, Inc.			
1699	10-56	401.89	0.24	1,950.07	0.91	7,343.90
6926	10-56	22.61	0.16	72.36	0.66	298.49
1751	11-56	84.66	0.19	317.18	0.73	1,236.71
6972	11-56	15.06	0.14	42.17	0.56	168.69
7021	12-56	22.14	0.26	115.14	0.59	261.27
Total July 1 — Dec. 31, 1956		2,713.97	0.42	22,980.88	1.63	88,678.61

RECEIVED APR 1 1957

DATE	INITIALS	CODE

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare and Misc. Metals Division Date September 18, 1956

Semi-Annual Report - Certified Project Date Jan.1,1956 thru June 30,1956

DMEA No. 2128 Operator Flanders Mining Company and Utardo Mining Company (formerly Gateway Mining & Dev. Co.) Contract No. Idm-E 408

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	1285 687	0.41% U_3O_8 + 1.12% V_2O_5 0.31% U_3O_8 + 0.59% V_2O_5
Increase (Operator)	* 27,599	0.42% U_3O_8 + 1.24% V_2O_5
Total		
Decrease (Production)	* * 6967.99	0.40% U_3O_8 + 1.28% V_2O_5
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

NONE supplied

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

* Revised as of 4-1-56

* * Production to end of report

J. H. Kerr

100338

2128

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT
Date 9-17

Referred to:

1. ~~Mr. Wittenberg~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Mr. Krause~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Changes on ore reserves.
2. Assume all claims
3. were listed on cert
4. although apparent we did work on only 2 (?)

and take appropriate action.

- - - - - - - -

Action taken by Division:

1 - yes

2 yes all claims were included in certification

Robert E. Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

RECEIVED
SEP 17 1956

224 New Customhouse
Denver 2, Colorado

Date: September 13, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1955 through June 30, 1956
DMEA Docket 2128 (Uranium)
Contract Idm-E 408, Flanders Mining Company and Utarado Mining Company (formerly Gateway Mining & Development Company), Mesa County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29.

Note: 1. Date of Certification is July 3, 1953 as corrected herein.
2. With reference to amount entered after item "Amount of Royalty Due", see our memo to J. F. Shaw dtd 9/12/56.

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj
cc: Semiannual Report File E 408
J. F. Shaw (2)
E. N. Harshman
J. W. Hasler
Chron.

Semiannual Report of Certified Projects

RECEIVED
SEP 17 1956

Reporting Period January 1, 1955 through June 30, 1956

Docket and Contract Number DMEA 2128, Contract IAm-2408

Operator Central Eureka Corporation - Flanders Division successors to: Gateway Mining and Development Co. and Flanders Mining Co.

Commodity Uterado Mining Co., leases
Uranium-vanadium

Mine Name La Sal group

County and State Mesa County, Colorado

Date of Contract September 26, 1952

Date of Certification July 7, 1953

Expiration Date of Royalty Payments September 26, 1962

Date of Examination for this Report August 7, 1956

Total Amount of Contract $51,969.15

Total Expenditures under Contract $51,969.15

Amount of Government Participation at 90 % $46,772.10

Royalty Payments this Period (Jan. 1 through June 30, 1956) $6,232.52

Previous Royalty Payments $11,809

Total Royalty Payments to Date 18,041.93

% Loan Repayment Completed 35.57

Amount of Royalty Due ~~$28,730.17~~ None - See Memo to Shad from Thayer dated Sept 12, 1956

Royalty Remarks

	Tons	Percent U_3O_8	V_2O_5
Indicated	1285	0.41	1.12
Inferred	684	0.31	0.59
	1969	0.34	0.77

Original Estimate of Reserves
(from Final Engr.-Geol. Report):

	Claim	Dry tons		
	La Salle	15,256	0.53	1.46
~~Increase~~ of Reserves by work	La Sal #1	1,240	0.32	1.23
performed subsequent to expiration	3	600	0.38	1.80
or termination of contract:	~~4~~	~~10,200~~	~~0.26~~	1.36
as of 4/1/56 (AEC figures)	5	300	0.25	1.10
		27,596	0.42	1.42

Revised Estimate of Reserves:

	Tons	U_3O_8 %	lbs.	V_2O_5 %	lbs.
AEC figures based on all exploration including DMEA project	1869.72	0.35	13233.59	1.41	52570.89
Production this Period (Ore or Concentrates) Jan. 1 thru June 30, 56					
Amount of Previous Production (since date of contract) Oct. 1, 53 thru Dec. 31, 55	5098.25	0.42	42752.32	1.24	126194.53
Total DMEA Production to date	6967.97	0.40	55985.91	1.28	178765.42

% of Revised Reserves Mined 25.2

Production Remarks: Production shown is based on AEC records which do not show payments to shipper. See table 1 attached

Note: On Uranium projects check with AEC to assure that our records are in agreement with theirs.
Settlement sheets furnished by operator can be compared lot by lot with table 1. Table 1 does not take into account any ore from La Salle claim which may have been removed in alleged trespass by Geranium Mining Co. (See letter from Carl M. Gilbert, Utarado Mining Co. to E. N. Harshman, DMEA Field Team, Region III, dated 12/7/55

Other Remarks:
The ore bodies which were found by DMEA drilling were on the La Sal No. 1 and La Sal No. 2 claims; to date no mining has been done on these deposits. The very substantial production to date has come from deposits developed by private exploration on the La Salle, La Sal No. 3, La Sal No. 4, and La Sal No. 5 claims. The operations of Beaver Mesa Uranium, Inc., on the La Sal Nos. 4 and 5 claims are just getting underway. Shipments in the second half of 1956 should equal or exceed those in the past six months.

Signed M. H. Salsbury (Engineer)

TABLE 1

Ore Shipments from claims subordinated under Docket DMEA 2128, Contract Idm-E408 as shown in AEC production records, Reporting Period: October 1, 1953 through June 30, 1956. (No production shown prior to January 1, 1955 in AEC records)

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Claim - La Salle, Utarado Mining Co., Shipper

Liq. No.	Date	Dry tons	U_3O_8 Percent	U_3O_8 pounds	V_2O_5 Percent	V_2O_5 pounds	
1642	1-55	111.79	0.53	1192.11	1.41	3153.55	
1664	2-55	153.55	0.37	1146.26	.85	2603.91	
1648	2-55	194.93	0.68	2652.93	2.20	8583.28	
1672	3-55	209.10	0.59	2463.62	1.15	4819.97	
1684	3-55	319.59	0.35	2249.60	1.25	7995.67	
1698	4-55	79.37	0.33	519.70	1.32	2099.35	
1762	5-55	144.54	0.21	616.11	0.80	2315.27	
1728	5-55	274.83	0.26	1403.66	0.87	4791.74	
1809	6-55	39.21	0.25	193.49	0.57	450.76	
1790	6-55	80.32	0.20	321.30	0.75	1204.89	
1800	6-55	173.95	0.41	1437.25	0.71	2477.96	
1845	7-55	14.70	0.19	55.86	0.25	73.50	
1846	7-55	510.97	0.63	6398.57	1.74	7805.82	
1901	8-55	19.33	0.30	115.98	0.86	332.47	
1866	8-55	355.83	0.42	3008.43	1.48	10506.01	
1902	8-55	356.43	0.53	3775.83	1.60	11406.91	
1038	9-55	18.61	0.74	275.42	1.64	621.55	
1916	9-55	34.71	0.24	165.62	1.07	741.88	
1941	9-55	62.66	0.21	257.61	0.79	983.82	
1915	9-55	255.97	0.47	2397.03	1.34	6867.85	
1942	9-55	272.08	0.31	1690.00	0.79	4306.61	
1999	10-55	90.53	0.25	459.42	0.67	1212.62	
1956	10-55	106.38	0.31	665.35	0.93	1972.75	
1150	10-55	140.79	0.36	1024.21	0.70	1964.29	
1106	10-55	168.32	0.42	1428.13	1.22	4113.64	
-	11-55	64.76	0.27	350.71	0.81	1045.83	
1162	11-55	112.09	0.24	548.71	0.62	1397.63	
2022	11-55	145.48	0.31	897.69	0.68	1983.67	
2052	11-55	153.07	0.27	818.03	0.96	2942.05	
-	12-55	62.29	0.61	757.94	1.42	1769.58	
1208	12-55	80.51	0.70	1128.21	1.62	2601.15	
2104	12-55	138.60	0.37	1026.48	1.21	3350.94	
2070	12-55	152.96	0.43	1311.61	2.52	7698.47	
Total October 1, 1953 through December 31, 1955		5098.25	0.42	42,752.32	1.24	126,194.53	
1264	1-56	24.11	0.20	95.26	1.02	490.40	
1244	1-56	56.97	0.15	175.03	0.57	654.97	
2132	1-56	120.88	0.36	882.35	1.45	3512.77	
2165	1-56	149.90	0.29	868.92	0.81	2428.22	
1285	2-56	16.15	0.85	274.61	2.33	752.76	
1301	2-56	24.09	0.58	279.82	1.86	894.86	
2198	2-56	35.79	0.42	300.61	0.98	701.43	
2234	2-56	40.18	0.22	173.09	0.97	778.16	
2298	3-56	36.24	0.31	223.10	0.70	507.89	
2280	3-56	130.15	0.21	550.58	0.75	1952.16	
1317	2-56	71.30	0.36	513.62	1.41	2014.86	(La Sal 3)
1322	3-56	15.97	0.95	303.37	2.74	874.99	"
1360	3-56	158.99	0.49	1544.74	2.55	8096.43	"

		La Sal 5 - Beaver Mesa Uranium Inc.					
1278	1-56	21.23	0.16	67.92	1.03	437.24	
1253	1-56	44.88	0.23	206.44	0.83	744.99	
		La Salle - Utarado Mining Co.					
4075	4-56	26.71	0.17	88.40	0.69	370.56	
2337	4-56	36.95	0.56	411.47	1.60	1182.07	
1417	5-56	24.59	1.14	560.63	2.52	1239.28	
2485	5-56	86.44	0.36	622.12	0.99	1712.17	
2544	6-56	57.43	0.32	363.48	0.96	1106.34	
2570	6-56	29.80	0.32	193.24	1.04	618.90	
		La Sal 3 - Utarado Mining Co.					
1408	4-56	80.23	0.27	438.03	1.31	2099.04	
1372	4-56	113.37	0.31	699.92	1.39	3147.78	
1416	5-56	106.43	0.35	746.38	1.70	3622.01	
1429	5-56	106.52	0.30	970.84	1.57	5042.20	
1462	6-56	83.59	0.33	553.70	1.63	2724.35	
1485	6-56	95.68	0.28	542.45	1.41	2689.35	
1479	6-56	75.15	0.39	583.47	1.45	2174.71	(La Sal 4 - Beaver Mesa Uranium, Inc.)
Total - 1/1-6/30/56		1869.72	0.35	13,233.59	1.41	52,570.89	
Total 10/1/53 - 6/30/56		6967.97	0.40	55,985.91	1.28	178,765.42	

0128

CR FINAL FIELD TEL REPORT

Date OCT 1 0 1954

Referred to:

~~1. Mr. Mittendorf~~
~~2. Mr. Johnson~~
~~3. Mr. Chambers~~
~~4. Docket Control Mails and Files~~
~~5. Coal & Mineral Rights Division~~
6. Docket Control Mails and Files

Note comments in report regarding:

1. Has operator advised
2. Lessee of Royalty Obligations to be
3. Should Form 8 of
4. Change in mineral lease

and take appropriate action.

- - - - -

Action taken by Division:

Letter prepared 10/14/55 to Mr.
Also see letter of April 29,
Admin.
ers Mining Co.

ROBERT E. ADAMS

Initials

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

RECEIVED
OCT 10 1955

DMEA
Date Rec'd
OCT 6 1955
BUREAU OF MINES
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
October 5, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw

Subject: Semi-annual report of certified project -- DMEA 2128, Contract Idm-E408 (Uranium) Gateway Mining and Development Company (LaSalle group) Mesa County, Colorado

Enclosed are the original and six copies of the semi-annual report on the subject certified project.

John F. Shaw
Supervising Mining Engineer

Enclosures

cc 6
General
Chron

JFS/cm

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1955 through June 30, 1955

Docket No. DMEA 2128 Contract Idm-E408 (Uranium)

Operator: Gateway Mining and Development Company
875 Glenwood Avenue
Grand Junction, Colorado

Name of mine: LaSalle group

County: Mesa County, Colorado

Date certified: July 3, 1953

Contract amount: $51,969.15

Government participation: $46,772.~~23~~ 10, or 90 percent

Ore reserves: At the time of certification, ore reserves were estimated as follows:

Class	Tons	Content U_3O_8 percent	Content V_2O_5 percent	Total value	Royalty paid
Indicated ore	1,285	0.41	1.119	--	
Inferred ore	684	0.31	0.59	--	
Total	1,969				
Actual production through 6-30-55	2281.37	0.445	1.27	$126,908.99	$6,345.52

Remarks: The property subordinated under contract Idm-E408 has changed hands several times. The LaSalle and LaSalle extension claims were sold to the Utarado Mining Company, Inc., P. O. Box 287, Montrose, Colorado, lessees of the Petzloff, Petzloff Extension, LaSal claims Nos. 5, 6, and 7, and the north half of LaSal No. 3. These leases are still effective, although ownership has since been transferred together with other claims, to the Flanders Mining Company, and later to the Gateway Uranium Corporation,

780 Main St., Grand Junction, Colorado. A merger between the latter corporation and the Lisbon Uranium Corporation is being or has been negotiated.

A number of lessees are carrying on independent operations. The current operators are (1) the Utarado Mining Company on the claims listed as controlled by them; (2) Lee Hetzel, on the LaSal No. 2 claim; (3) Simpson Mining Co., on the LaSal No. 4 where a shaft has been sunk; they are also operating in the name of Charles Woodard, on the north two-thirds of the LaSal No. 1. A 600-foot drift is planned here extending into the LaSal No. 2 claim by arrangement with the lessee.

So far as could be determined by a visit to the properties, no ore shipments have been made from claims subordinated under DMEA 2128 except LaSal No. 1, LaSal No. 2, and LaSalle. To verify this it would be necessary to make an audit of the A.E.C. records which list all production by claims.

The Contract and Audit Division of the Bureau of Mines has determined that initial production bonus had been exhausted on the LaSal Nos. 1 to 7 claims, John Brown No. 1 (John Brown or John Brown No. 27?), Gilmore and Petzloff before the date of the DMEA contract, September 26, 1952, and no royalties thereon are due. On the LaSalle claim, one of a group of 18 claims certified for bonus under A.E.C. Certification DUPC6-C-17, royalties in the amount of $1,657.14, or 5 percent of $33,142.77, are due when and if the bonus payment is made. It has been withheld by the A.E.C. pending the outcome of trespass litigation. This is reported to be settled. A.E.C. personnel were making a field check of the claims on the day of the Bureau engineer's visit.

Production totals for the period January 1, 1955 through June 30, 1955 are listed in Table 1. Table 2 gives cumulative totals through June 30, 1955, and shows corrections which reconcile them with the Audit Division figures.

M. R. Salsbury

Table 1

Liquidation No.	Claim 1/	Date settled	Dry tons	Contents (pounds) U_3O_8	V_2O_5	Total value	Royalty due and paid
R-615	LaSal No. 2	12-21-54	88.666	923.81	2,032.96	$5,817.75	$290.89
R-630	LaSal No. 2	1-5-55	66.166	883.78	1,391.30	5,276.10	263.81
R-676	LaSal No. 2	1-26-55	22.112	135.14	248.82	875.50	43.78
R-690	LaSal No. 2	2-3-55	38.129	349.58	671.54	2,172.39	108.62
1642	LaSalle	2-5-55	111.787	1,192.11	3,153.55	7,061.70	353.09
1648	LaSalle	3-9-55	194.928	2,652.93	8,583.28	16,136.02	806.80
1664	LaSalle	3-9-55	153.550	1,146.26	2,603.91	6,788.56	339.42
1672	LaSalle	3-22-55	209.095	2,463.62	4,819.97	14,025.27	701.26
1684	LaSalle	4-6-55	319.590	2,249.60	7,995.67	14,289.17	714.46
1698	LaSalle	4-22-55	79.374	519.70	2,099.35	3,397.66	169.88
Totals (6 months)			1,283.397	12,516.53	33,600.35	$75,840.12	$3,792.01

1/ Shipments from LaSal No. 2 claim made by Geranium Mining Co., and from LaSalle claim by Utarado Mining Company, Inc.

Table 2.--Cumulative total of shipments and reconciliation with DMEA Audit figures
DMEA 2128 - Contract Idm-E408

Shipments	Dry tons	Contents (pounds) U_3O_8	V_2O_5	Total value	Royalty due	Royalty paid
Total through 12-31-54 as listed originally	1,080.270	8,411.37	26,861.36	$54,011.07	$2,700.55	$2,698.48
Errors on Liq. No. 743 and 785		+0.44	+3.56			
Error on Liq. No. 5381, 12-22-53 (gross value was $887.13 instead of $877.13)				+10.00	+.50	
Deduct Liq. No. 232, shipment from another property	-82.53	-398.35	-2,322.52	-2,859.30	-142.97	-142.97
Deduct amount of hauling charge on Liq. No. 1203				-92.90	-4.65	
Correct total to 1-1-55	997.740	8,013.46	24,542.40	$51,068.87	$2,553.43	$2,553.51
Production 1-1-55 to 6-30-55	1,283.397	12,516.53	33,600.35	75,840.12	3,792.01	3,792.01
Production through 6-30-55	2,281.137	20,529.99	58,142.75	$126,908.99	$6,345.44	$6,345.52
DMEA Audit totals - Period: Up to and including April 22, 1955 (Liq. No. 1698)						
Shipper						
Utarado Mining Co., Inc.	1,068.323	10,224.22	29,255.73	$61,698.38	$3,084.91	$3,084.91
Geranium Mining Co.	1,170.028	10,136.27	27,824.51	64,047.29	3,202.39	3,202.45
Bowen and Stulles	17.234	51.70	454.97	405.10	20.26	20.25
Jack Montgomery	25.549	117.80	607.54	758.22	37.91	37.91
Audit totals	2,281.134	20,529.99	57,142.75	$126,908.99	$6,345.47	$6,345.52

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

224 New Customhouse
Denver 2, Colorado

March 21, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Semi-annual Report - Docket DMEA 2128, Contract Idm-E408, Gateway Mining and Development, Mesa County, Colorado

Enclosed are four copies of the Semi-annual Report on Contract Idm-E408.

W. M. Traver

W. M. Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1954, to December 31, 1954

Docket No.: DMEA 2128 Contract: Idm-E408

Operator: Gateway Mining and Development
875 Glenwood Avenue
Grand Junction, Colorado

Name of mine: La Salle group

County: Mesa County, Colorado

Date certified: July 3, 1953

Contract amount: $51,969.15

Government participation: 90 percent, or $46,772.23

Remarks: A discovery was certified on the La Salle, La Salle No. 1, La Salle No. 2, and Gilmore claims. Total indicated ore amounted to 1,285 tons averaging 0.41 percent U_3O_8 and 1.119 percent V_2O_5 and 684 tons of inferred ore averaging 0.31 percent U_3O_8 and 0.59 percent V_2O_5. Development was finished in March 1953.

Ore shipments before July 1, 1954 follow: ?

Liquidation No.	Date Shipped	Dry tons	Content (pounds) U_3O_8	Content (pounds) V_2O_5	Total value	Royalty paid
R305	6/16 to 6/30/54	36.591	425.56	1,621.68	2,875.58	143.78
R337	7/1 to 7/15/54	25.299	136.22	463.59	849.35	42.46
R435	8/24/54	8.545	59.82	155.53	390.38	19.52
R560	11/1 to 11/15/54	33.146	252.17	708.52	1,646.12	82.31
R535	10/16 to 10/31/54	58.942	521.81	1,230.13	3,327.39	166.37
R499	10/1 to 10/15/54	61.391	693.55	1,647.60	4,388.38	219.42
R488	9/16 to 9/30/54	35.950	647.96	1,810.87	4,031.29	201.56
R444	9/1 to 9/15/54	68.435	451.29	941.35	2,914.13	145.71

E594	11/16 to 11/30/54	36.211	396.39	636.84	2,412.23	120.61
Total		364.510	3,584.77	9,216.11	22,834.85	1,141.74
Previous totals		715.760	4,826.60	17,645.25	31,176.22	1,554.74
Totals to date		1,080.270	8,411.37	26,861.36	54,011.07	2,696.48

Carl Belen

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1954 through June 30, 1954

Docket No.: DMEA 2128 Contract Idm-E408 (uranium)

Operator: Gateway Mining and Development Company
875 Glenwood Avenue
Grand Junction, Colorado

Name of Mine: La Sal No. 2 and Bonanza No. 2

County: Mesa County, Colorado

Date Certified: July 3, 1953

Contract Amount: $51,969.00 Amount spent: $51,969.00

Government Participation: 90 percent or $46,772.10

Reserves: 1,285 tons indicated ore averaging 0.41 percent U_3O_8 and 1.12 percent V_2O_5, 684 tons inferred ore averaging 0.31 percent U_3O_8 and 0.59 percent V_2O_5.

Ore shipments to date:

Liquidation No.	Date Shipped	Dry Wt. (tons)	Content (pounds) U_3O_8	V_2O_5	Total Value	Royalty Paid
5392	12/16-12/31/53	90.91	686.34	1,393.78	$ 4,328.94	$ 216.45
R-4	1/1 - 1/15/54	65.65	292.05	840.62	1,872.99	93.65
R-24	1/16- 1/31/54	27.33	78.61	306.86	489.72	24.49
R-81	2/1 - 2/28/54	56.59	191.32	805.01	1,261.48	63.07
1203	1/22- 3/13/54	19.13	92.22	404.30	598.89	25.30
R-182	4/25/54	9.15	67.70	435.47	519.46	25.97
R-232	5/1 - 5/31/54	82.53	398.35	2,322.52	2,859.30	142.97
R-271	6/1 - 6/15/54	41.29	505.72	1,727.05	3,328.00	166.40
	Totals	392.58	2,312.31	8,235.61	$ 15,258.78	$ 758.30
	Previous Totals	323.18	2,514.29	9,409.64	15,917.44	796.44
	Totals to Date	715.76	4,826.60	17,645.25	31,176.22	1,554.74

Remarks: The bulk of the production during the period was made by the Geranium Mining Company from the La Sal No. 2, however,

a second lessee, the Columbus Rexall Consolidated Mines Company, commenced shipping from the Bonanza No. 2 during May, 1954. All work is still confined to the immediate area explored by core drilling under the DMEA contract. Production is expected to continue throughout 1954.

RRM/ici

E408

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

224 New Customhouse
Denver 2, Colorado

June 8, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2128, Contract Idm-408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado.

Enclosed are two copies of the Operator's Final Progress Report MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of March, 1953, pertaining to DMEA Docket 2128, Contract Idm-408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado. There was no jointly-owned property purchased under this contract. The contract was a short form one prepared on Form MF-200A.

Forms were processed for payment in conformance with the Report of Review dated May 29, 1953.

Government's full contribution amounted to $45,772.10 as allowed by the contract.

Copies of Engineer's Final Report, Geologist's Final Report, and Operator's Final Report will be transmitted at a later date after all data has been assembled in this office.

for John T. Shaw
W. M. King

Enclosures

ld

cc: contract w/copy of MF-104
Traver w/copy of MF-104
Chron.

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

Administrative Audit Difference Statement

Date: June 5, 1953
Payee's Reference: Progress Report
March, 1953
(Final)

Gateway Mining & Development Co., Inc.,
875 Glenwood Avenue
Grand Junction, Colo
I-DMA-P408

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

Amount Claimed $ 6830.54

Difference $ .15

Amount Approved $ 6830.39

The reason for the difference was due to:

Excess of gross contract amount. Should have been $51,969.15 instead of $51,969.00 as shown on Exhibit "A" in contract.

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

Very sincerely yours,

for N. E. Stokes
Audit Section

R-IV-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

June 4, 1953.

FINAL

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2128, Contract Idm-2408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado. Operator's Monthly Progress Report for the period March 1953. (Final Report)

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

As this contract is prepared on Form MF-200A there is no jointly-owned equipment in which the Government has an equity.

This report constitutes the Operator's final claim under the contract and is recommended for payment in conformance with the final Report of Review by the Contract Administration and Audit Division dated May 29, 1953.

Amount claimed by the Operator this Report	$6,830.54
Excess of Gross Contract Amount	.15
Amount Approved for Payment	$6,830.39
Payment to Operator at 90 percent	$6,147.35
Amount Previously Paid to Operator	$40,624.75
Payment this Report	6,147.35
Total Government Payment under the Contract	$46,772.10
Government Payment authorized by Contract	$46,772.10

Remarks:

Date of Report	April 1, 1953.
Date Received in Field Office	April 9, 1953.
Date Received in Region Office	May 5, 1953.
Date Processed for Payment	June 1, 1953.

Held up pending receipt of Operator's Final Report and issuance of Report of Review by the Contract Administration and Audit Division.

W. H. King

W. H. King

Enclosures

cc: Contract
Secretary to the Oper. Comm. (2)
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 4, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Progress report for March 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative, progress maps, drill statistics, recapitulation of diamond drill hole data, and daily drill reports (one copy)--and the original and six copies of Russell R. McLellan's memorandum covering inspection of the surface diamond drill accomplishments and verification of the reporting form entries and extensions. Contract is short-form MF-200 (A).

Documentation is not required on short-form contracts. Work was performed in conformance with the terms of the contract, with 2,073 feet of drilling completed, as reported in the narrative and on the MF-104A forms.

A difference of 15 cents in the cost authorized by contract and the cost times unit price is noted on the contractor's MF-104A forms and in the inspecting engineer's memorandum.

Payment is approved and certified on the MF-104 form of $6,147.49, or 90 percent of the total $6,830.54 claimed by the contractor.

W. M. Traver

enclosures

WMT/ch

cc: 4
E408
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Denver Federal Center
Building 20, Room 137
Denver 14, Colorado
May 4, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: Russell R. McLellan

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Progress Report for March 1953

The project was visited on March 17, 1953, shortly before the exploration program was completed on March 25, 1952. Only one of the thirteen holes completed during the month contained ore. A total of 2,073 feet of drilling for the period expended the allowable footage of 14,670 feet for diamond drilling.

All holes are plainly marked and core from the mineralized zones has been split and boxed. Approximately forty boxes of core are stored on the mesa and can be picked up by Bureau of Mines representatives at their convenience.

The company engineer, John I. Schumacher, was contacted in Grand Junction on April 21, 1953, at which time he indicated that he would be away most of the spring and summer and to address any further correspondence concerning the project to:

Mr. Cecil Haynie,
Haynie and Hotchkiss, Attorneys
P. O. Box 896
Grand Junction, Colorado

Mr. Haynie is Secretary and Treasurer of the Gateway Mining and Development Company.

The monthly report is complete with narrative, drill hole data, assay data, and maps. The maps show the areas of indicated and inferred ore estimated from the results of the wagon and diamond drilling.

The company engineer has submitted his final report, and the writer is preparing the final DMEA engineering report and a memorandum recommending certification of discovery.

All entries on forms MF-104 and MF-104A appear to be correct and payment is recommended of $6,147.49, or 90 percent of the $6,830.54 claimed, pending final audit and pending receipt of the DMEA engineering report. It should be noted that an error of $0.15 was made in typing the DMEA contract. The total amount should read $51,969.15 in place of $51,969.00. The correct amount appears on the MF-104 forms. W. H. King refers to the error in his letter of October 31, 1952, to C. O. Mittendorf.

for Scott W. Hagen Jr.
Russell R. McLellan
Mining Engineer

RRM/cb

cc: 6
E408
DMEA Chron.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

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

Month of March, 1953 Docket No. DMEA 2128 Contract No. IDM-E-408
Operator's Name Gateway Mining & Development Co. Minerals Uranium
Address P.O. Box 896, Grand Junction, Colorado
Contract Amount, $51,969.00 Government Participation: 90% Amount, $46,772.10

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	6830.54	45,138.61	51,969.15	6830.39	45,138.61	51,969.00
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	6830.54	45,138.61	51,969.15	6830.39	45138.61	51696.00

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

Date April 1, 1953 *Payee Gateway Min. & Development Co.

Per John I. Schumacher Title Mining Engineer
JOHN I. SCHUMACHER

*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:

$ 6147.35

Signature Alfred K. Olson
(Authorized Certifying Officer)

Date 6-5-53 Vou. No. 53-144

(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. E 408 in accordance with the terms of the contract.

Signature R. R. McLellan 6/17/49 Title Mining Engineer Date 4/28/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.B.

Signature W. H. King Title Executive Officer Date JUN 4 1953

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.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA 2128 Contract No. IDM-E-408
Operator's Name Gateway Mining & Development Company Minerals Uranium
Address P.O. Box 896, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	6,830.54	2073	48,337.65	14670	3.295	14670	48,337.65
~~Churn~~ Wagon	Feet	0	0	3,631.50	2700	1.345	2700	3,631.50
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		6,830.54	2073	51,969.15				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								51,969.00

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 April 1, 1953 Operator Gateway Min. & Dev. Company

Per John I. Schumacher Title Mining Engineer
JOHN I. SCHUMACHER

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: Cost to date and cost authorized by contract vary by $0.15

Footage & price is equal to cost to date. Difference is not due to error in operators calculation but in error on Exhibit "A".

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Gateway Mining and Development Company DMEA 2128

MONTHLY REPORT

STATISTICAL DATA

PERIOD: March 1953

	THIS PERIOD	TO DATE	
Holes drilled	13	140	
Wagon drilling	0	42	
Diamond drilling	13	98	
Footage drilled	2137.0	17451.0	
Wagon drilling	0	2724.0	*
Diamond drilling	2137.0	14734.0	*
Holes lost	0	3	
Footage lost	0	108	
Mineralized holes	3	36	
Ore holes	1	12	

* Wagon drilling total is 24 Ft. over maximum and diamond drilling total is 64 Ft. over maximum as shown on contract. The cost of this over footage will be paid by Gateway Mining and Development Company.

NARRATIVE

Drilling of the maximum footage of the contract was completed on March 26, 1953. Drilling was slow this month due to the extended periods of rain, snow, and thaws which made the roads impassable. Results of the drilling were not too favorable as only one ore hole was drilled. Diamond drill Hole No. 98, about 50 feet southeast of Hole No. 42 showed 1 foot of 0.21 U3O8. The other holes in this same area around ore Hole No. 42 were blank.

Four additional blocking out holes around ore holes 38, 39 and 81 were also poor. One, No. 94, was mineralized.

Two additional holes around ore Hole 9 were blank and one of three holes in the vicinity of holes 14 and 26 was mineralized. Little reserves were added by this month's drilling, but it is felt that later mining will show more ore between drill holes than is indicated by later drilling.

Cores from the ore and mineralized cuttings have been checked in the field with a counter for mineralization and barren core discarded. Boxes containing mineralized sections and ore splits have been saved and are stored in the camp bunkhouse. All holes have been marked by a wood 3" x 3" stake and metal tag showing the hole numbers. Duplicate copies of the drill logs are on file in the Grand Junction office of the company.

John I. Schumacher

JOHN I. SCHUMACHER
Mining Engineer

GATEWAY MINING AND DEVELOPMENT COMPANY

DMEA 2128
March 1953

RECAP OF DRILL HOLE DATA

HOLE NO.	GEOL. NO.	DEPTH.	FAVORABILITY	REMARKS
86	135-0	125 Ft.	Unfav.	Poor SS color, No Grn. Ms
87	136-0	188 Ft.	Fav.	Good Grn. Ms thickness
88	137-0	124 Ft.	Unfav.	Poor SS color, No Grn Ms
89	139-0	188 Ft.	Unfav.	Poor SS thickness
90	140-0	194 Ft.	Fav.	Good thickness of SS & Grn Ms
91	141-0	203 Ft.	Fav.	" " " "
92	142-0	194 Ft.	Mnlz.	Ore grade
93	143-0	183 Ft.	Fav.	Good thickness of SS & Grn Ms
94	144-0	184 Ft.	Mnlz.	Not ore grade
95	145-0	174 Ft.	Semi-fav.	Fair thickness of SS & Grn Ms
96	147-0	113 Ft.	Mnlz.	Not ore grade
97	148-0	113 Ft.	Fav.	Good thickness of SS
98	149-0	154 Ft.	Fav.	Good thickness of SS & Grn Ms

TOTAL DIAMOND DRILLING: 2137 Feet

ASSAY DATA

HOLE NO.	GEOL. NO.	FROM	TO	V_2O_5	U_3O_8	RECOVERY
92	142-0	177.0	178.0	0.80	0.21	100%

No other holes assayed this month.

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

224 New Customhouse
Denver 2, Colorado

April 8, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report, MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of February 1953, pertaining to DMEA Docket 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado.

W. H. King

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

April 1, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2128, Contract Idm-2408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado. Operator's Monthly Progress Report for the period February 1953.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Operator was given prior approval by the Government for the 40 offset holes which are now being drilled on the property as stated in the contract.

Remarks:

Date of Report	March 5, 1953.
Date Received in Field Office	March 10, 1953.
Date Received in Region Office	April 1, 1953.
Date Processed for Payment	April 1, 1953.

W. H. King
W. H. King

Enclosures

RDB:cwm

cc: Contract
√Secretary to the Oper. Comm. (2)
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 30, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Progress Report for February 1953

Enclosed please find the original and four copies of the subject progress report--forms MF-104 and MF-104A, with narrative, including drill statistics, three prints only of progress maps, recapitulation of diamond drill hole data including assays, and daily drill reports (one copy)--and the original and six copies of W. L. Dare's memorandum covering inspection of the surface diamond drill progress and reporting form entries. The contract is short form MF-200 (A).

The inspecting engineers visited the project with the contractor's consultant and verified the 2,974 feet of core drilling reported.

Operations were in conformance with the terms of the contract. Documentation is not required on short form contracts, entries and extensions are correct on the reporting forms, and payment is approved and certified on the MF-104 form of $8,819.40, or 90 percent of the total $9,799.33 claimed by the contractor.

Your attention is called to the fact that the operator has submitted only three copies of the progress map. He is being advised to prepare five copies for his March report and, if additional copies are required for this report and you will so advise, we will request them immediately.

With favorable weather conditions the offset drill holes approved by DMEA representatives will be completed during March and the contract terminated.

W. M. Traver

W. M. Traver

enclosures

WMT/cb

cc: 4, E408, DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 30, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: W. L. Dare

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Progress report for February 1953

The drilling operation on the La Sal group of claims was visited on March 17, 1953, by R. R. McLellan and W. L. Dare. John I. Schumacher, consulting engineer for the company, was contacted at the property and progress and remaining work discussed. Heavy snows have hampered the work both in February and March, but it was reported that, weather conditions permitting, the drilling should be completed by the end of March.

The offset drill hole locations for holes drilled in February and the locations of holes being drilled in March were approved in advance by representatives of the Bureau of Mines and Geological Survey. The core is being logged by USGS geologists from R. P. Fischer's staff in Grand Junction.

Schumacher has attached a complete copy of drill hole logs and a recapitulation sheet showing assay data. It is noted, however, that only three copies of the progress map were transmitted with the report.

Approval is given to the work accomplished and payment is recommended as $8,819.40, which is 90 percent of $9,799.33, the amount claimed.

W. L. Dare
Mining Engineer

WLD/cb

cc: 6
E408
DMEA Chron.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

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

Month of February, 1953 Docket No. DMEA 2129 Contract No. [illegible]
Operator's Name Gateway Mining and Development Company Minerals Uranium
Address P.O. Box 600, Grand Junction, Colorado
Contract Amount, $ 51,000.00 Government Participation: 90 % Amount, $ 45,720.10

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	9,799.33	35,339.28	45,138.61			
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	9,799.33	35,339.28	45,138.61	9799.33	35,339.28	45,138.61

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

Date March 6, 1953 *Payee Gateway Mining & Development Co.:

John L. Schumacher
Per [illegible] Title Mining Engineer

*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:

$ 8819.40

Signature [illegible]
(Authorized Certifying Officer)

Date 4/6/53 Vou. No. DMEA 53-115

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E408 in accordance with the terms of the contract.

Signature W. Dare #8819.40 WMK Title Mining Engineer Date 3-26-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.

Signature W. H. King Title Executive Officer Date APR 1 1953

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.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2128 Contract No. [illegible]-E-[illegible]

Operator's Name Gateway Mining and Development Company Minerals Uranium

Address P.O. Box [illegible], Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	9799.33	2974	41,507.11	12597	3.295	14570	48337.05
Churn Wagon	Feet	0	0	3,631.50	2700	1.345	2700	3631.50
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		9799.33	2974	45,138.61				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								51,969.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

REMARKS:

Date March 5, 1953 Operator Gateway Min. & Dev. Company

Per John I. Schumacher Title Mining Engineer
JOHN I. SCHUMACHER

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

GALTRAY MINING AND DEVELOPMENT COMPANY N.P.A. 3129

MONTHLY REPORT

TECHNICAL DATA

PERIOD: February 1953

	THIS PERIOD	TO DATE
Holes drilled	20	127
Wagon drill	0	42
Diamond drill	20	85
Footage drilled	2974	15,314.0
Wagon drill	0	2,724.0
Diamond drill	2974	12,597.0
Holes lost	0	3
Footage lost	0	108
Mineralized holes	5	73
Ore holes	5	11

DETAILS

During the month of February, 2974 feet of core drilling was completed. Two drills worked most of the month but progress was slow because of alternating thaws and snow which made road conditions poor and water hauling impossible for short periods.

Twenty holes were drilled, six were mineralized and two of these were of ore grade and thickness. Hole No. 51 assayed 3.1 feet of 0.41 U_3O_8 and 1.33 V_2O_5. Hole 72 had 0.8 feet of 0.25 U_3O_8 and 1.97 V_2O_5.

Before beginning the blocking out drilling, it was hoped that ore could be found connecting the ore holes Nos. 14, 33, 65 and 35, however, blocking out drilling has not proven the continuity and it now appears that this area is made up of a series of smaller ore bodies connected by a thin layer of low grade mineralization. This may also be true of the area around 51, 39 and 53 and possibly the areas around 42 and 9.

A preliminary evaluation suggests that selective mining could be done in the first two of the above areas. Further drilling beyond the maximum of the contract, however, is not contemplated at this time as it appears that the size of the ore bodies may not warrant deeper drilling. Future mining may give a better picture as to the average size ore body.

The remainder of the footage (2973 feet) will be used to block out around holes 42, 9, 52, 53 and a few additional holes around the area of holes 33, 72 and 35. Drilling should be completed about March 15 if the weather is favorable but under poor conditions it may be extended to the end of March.

John J. Schumacher

JOHN J. SCHUMACHER

[illegible]

[illegible]A 2133
February 1953

[illegible] MILL HOLE DATA

HOLE NO.	[illegible] NO.	[illegible]	[illegible]	REMARKS
DD 66	114	134	Mnlz.	Mnlz. in upper [illegible]
DD 67	115	[illegible]	Rev.	Fair thickness of [illegible]
DD 68	116	104	Under.	No [illegible]
DD 69	117-0	143	Mnlz.	Below ore grade
DD 70	118-0	158	Mnlz.	Below ore grade
DD 71	120-0	148	Rev.	Good thickness of [illegible]
DD 72	121-0	151	Mnlz.	Ore grade
DD 73	[illegible]-0	144	Mnlz.	Below ore grade
DD 74	[illegible]-0	175	Rev.	Good thickness of [illegible]
DD 75	124-0	[illegible]	Semi-Rev.	Poor thickness of [illegible]
DD 76	125-0	128	Semi-Rev.	Poor thickness of [illegible]
DD 77	[illegible]-0	174	Mnlz.	Below ore grade
DD 78	127-0	178	Rev.	Good thickness of [illegible]
DD 79	128-0	[illegible]	Rev.	Good thickness of [illegible]
DD 80	[illegible]-0	179	Rev.	Fair thickness of [illegible]
DD 81	[illegible]-0	173	Mnlz.	Ore grade
DD 82	131-0	136	Semi-Rev.	Fair thickness of [illegible]
DD 83	132-0	[illegible]	Semi-Rev.	Fair thickness of [illegible]
DD 84	[illegible]-0	154	Un-Rev.	Poor thickness of [illegible]
DD 85	[illegible]-0	136	Semi-Rev.	Fair thickness of [illegible]

TOTAL [illegible] [illegible]: [illegible] feet.

[illegible] DATA

HOLE NO.	[illegible] NO.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DD 69	117-0	170.6	151.0	0.01	0.03	100
DD 70	118-0	154.5	134.5	0.03	0.02	100
DD 73	130-0	178.5	157.0	0.05	0.07	100
DD 72	121-0	148.0	147.3	1.37	0.25	95
DD 73	122-0	139.5	150.5	0.02	0.01	95
DD 81	130-0	132.9	170.8	0.16	0.02	100
DD 81	129-0	173.5	172.5	0.71	0.39	100
DD 81	128-0	172.3	172.7	0.82	1.50	100
DD 81	130-0	172.7	175.0	0.55	0.11	100

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

224 New Customhouse
Denver 2, Colorado

March 12, 1953.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2128, Contract Idm-E408 (Uranium), Gateway Mining Company, Mesa County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of January 1953, pertaining to DMEA Docket 2128, Contract Idm-E408 (Uranium), Gateway Mining Company, Mesa County, Colorado.

for John F. Shaw
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

March 9, 1953

Memorandum

To: T. A. Christensen

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1953

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2128, Contract Idm-E408 (Uranium) Gateway Mining Company, Mesa County, Colorado - Operator's Monthly Progress Report, for the Period January 1953

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report----------February 3, 1953
Date Received in Field Office----------February 11, 1953
Date Received in Region Office----------March 5, 1953
Date Processed for Payment----------March 9, 1953

W. H. King

W. H. King

Enclosures

RDB:es

cc: Contract
Sec. to the Oper. Comm. (2)
Traver
Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 2, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Mesa County, Colorado - Progress report for January 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative, progress map, recapitulation of core drill hole data, assays, and daily drill reports (one copy)--and the original and six copies of R. R. McLellan's memorandum covering inspection of the surface diamond drill progress and entries on the reporting forms. The contract is short form MF-200 (A).

The inspecting engineers were unable to visit the project due to weather conditions. However, geologists of the Geological Survey make regular routine inspections and confirm the work accomplishments for the reporting period. Unit progress was 4,808 feet. Entries and cost extensions on the reporting forms are correct.

Payment is approved and certified on the MF-104 form of $14,258.12, or 90 percent of the total $15,842.36 claimed by the contractor.

Offset diamond drill hole locations were approved by the DMEA representatives.

W. M. Traver

W. M. Traver

enclosures

WMT/cb

cc 4, E408, DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 2, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: Russell R. McLellan

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Mesa County, Colorado - Progress report for January 1953

The company consulting engineer, J. I. Schumacher, was contacted in Grand Junction by Russell R. McLellan and Wilbert L. Dare on February 17, 1952. Heavy snow and high winds caused temporary isolation of the project area; therefore, a visit to the claims was impossible.

Locations of proposed offset holes were approved by the Bureau engineers and by USGS geologists. Fifteen to 20 offset holes will be drilled in the vicinity of core holes 9, 14, 25, 26, 38, 39, 42, and 65. With reasonably fair weather the project should be completed during the second or third week of March 1953.

The core is being logged by USGS geologists from R. P. Fischer's staff in Grand Junction. Fischer was able to verify that work had been completed as reported in the operator's narrative. A total of 4,808 feet of diamond drilling was completed during the month.

The work is considered to be satisfactory and is in conformance with the terms of the contract. An assay record and a recapitulation of drill hole data are attached to each copy of the narrative. Five copies of drill hole progress maps are included in the report.

Payment is recommended of $14,258.12, or 90 percent of the $15,842.36 claimed.

Russell R. McLellan
Russell R. McLellan
Mining Engineer

RRM/ob

cc 6
E408
DMEA Chron.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
MAR 16 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Development Company Minerals [illegible]
Address [illegible], Colorado
Contract Amount, $ [illegible] Government Participation: [illegible] % Amount, $ [illegible]

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	[illegible]	[illegible]	[illegible]			
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	[illegible]	[illegible]	[illegible]	15842.36	19,496.92	35,339.28

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

Date [illegible] *Payee [illegible]

Per John J. Schumacher Title [illegible]

*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:

$14258.12

Signature [illegible]
(Authorized Certifying Officer)

Date 3/11/53 Vou. No. DMEA 53-107

(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. E 408 in accordance with the terms of the contract.

Signature R. R. McLellan 14,358.12 Title Mining Engineer Date 2/27/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W. H. King Title Executive Officer Date MAR 9 1953

MONTHLY REPORT OF OPERATOR

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(*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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 3123 Contract No. [illegible]
Operator's Name Colorado Mining & Development Company Minerals Uranium
Address P.O. Box 606, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	foot	15,042.33	4008	31,707.73	9023	3.305	24070	49357.65
Churn (Vogel)	foot	0	0	3,651.50	2700	1.225	2700	3351.50
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		15,042.33	4008	35,359.23				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								52,909.00

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.

REMARKS:

Date Feb. 3, 1953 Operator Colorado Min. & Dev. Co.

Per John I. Schumacher Title Consultant Engineer
JOHN I. SCHUMACHER

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

GATEWAY MINING AND MILLING COMPANY

DMA 2138
January 1953

RECAP OF DRILL HOLE DATA

HOLE NO.	SECT. NO.	DEPTH	FAVORABILITY	REMARKS
DD 37	59	158	Un-fav.	Poor thickness of SS. No Gr. Ms
DD 38	60	184	Mnlz.	Ore grade
DD 39	61	183	Mnlz.	Ore grade
DD 40	97	155	Unfav.	Poor thickness of SS
DD 41	98	144	Unfav.	Poor thickness of SS
DD 42	44	193	Mnlz.	Ore grade
DD 43	63	195	Fav.	Fair thickness of SS & Ms
DD 44	58	193	Fav.	Good thickness of SS & Ms
DD 45	42	184	Fav.	Good thickness of SS & Ms
DD 46	99	175	Unfav.	Poor thickness of SS & Ms
DD 47	43	183	Semi-fav.	Poor thickness of Gn Ms
DD 48	100	114	Unfav.	Poor thickness of SS & Gn. Ms
DD 49	21	180	Unfav.	Poor thickness of SS & Gn. Ms
DD 50	101	193	Unfav.	Poor thickness of Gn Ms
DD 51	102	144	Unfav.	Poor thickness of SS & Ms
DD 52	102	144	Unfav.	Poor thickness of SS & Ms
DD 53	45	173	Fav.	Good thickness of SS & Ms
DD 54	104	174	Semi-fav.	Fair thickness of SS & Ms
DD 55	105	174	Fav.	Good thickness of SS & Ms
DD 56	41	174	Fav.	Good thickness of SS & Ms
DD 57	106	204	Fav.	Good thickness of SS & Ms
DD 58	107	143	Semi-fav.	Poor thickness of Gn Ms
DD 59	108	184	Fav.	Good thickness of SS & Gn Ms
DD 60	109	173	Semi-fav.	Poor thickness of Gn Ms
DD 61	110	214	Fav.	Very good Gn Ms thickness
DD 62	47	150	Semi-fav.	Poor thickness of Gn Ms
DD 63	113	134	Mnlz.	Below ore grade
DD 64	111	183	Semi-fav.	Poor thickness of Gn Ms
DD 65	112	152	Mnlz.	Ore grade

TOTAL DIAMOND DRILLING: 4808 feet

GANTRY MINING AND DEVELOPMENT COMPANY N.M.U.A. 2128

MONTHLY REPORT

CHEMICAL MINE

MONTH: January 1957

	THIS MONTH	TO DATE
Holes drilled	29	107
Churn drill	0	42
Diamond drill	29	65
Footage drilled	4808.0	13547.0
Churn drill	0	3724.0
Diamond drill	4808.0	9823.0
Holes lost	0	3
Footage lost	0	102.0
Mineralized holes	5	28
Ore holes	4	9

NARRATIVE

During January 4808.0 feet of diamond drilling were completed by two drills working throughout the month and a third drill working one half of the month. A total of 357.0 feet of the initial wide space drilling remain.

As expected the ratio of ore holes increased this month due to the establishing of a mineralized trend as outlined last month. Four ore holes (62, 63, 63, 65), three of better than average grade but of fairly poor thickness may indicate that thicker ore lies nearby. The uranium-vanadium ratio is approximately 1 to 5 and from experience indicates that in general the holes are not near the edges of the ore body, but probably in the thinner parts of the middle.

From the location of ore and mineralization it now appears that two commercial ore bodies may be outlined by the close-spaced offset drilling in the vicinity of (1) holes DD 14, DD 23, DD 26 and DD 25; and (2) holes DD 22 and DD 23. Other ore bodies may be developed by close-spaced holes in the vicinity of DD 42 and DD 40.

Each favorable drilling confirms the present reserves. Diamond drilling footage of 8547.0 feet should be completed about March 7, 1957.

John I. Schumacher
Consultant Engineer

Attached: Drilling progress map
Recap of Drill Hole Information
Assay results

[illegible]

DMA 2128
January 1956

ARTAY AREA

HOLE NO.	SPOT. NO.	FROM	TO	V_2O_5	U_3O_8	RECOVERY
DD 42	44	170.5	171.5	1.53	0.05	95%
DD 38	60	155.0	157.1	2.24	0.57	100%
DD 39	61	157.5	159.5	0.95	0.14	100%
DD 55	112	132.5	133.5	0.90	1.34	100%
DD 65	112	129.5	130.0	1.34	0.12	100%
DD ~~2463~~	112	88.0	90.5	1.33	0.05	80%
DD 21	76	114.5	115	0.07	0.03	75% *

* Hole completed in December.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

February 4, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 6 1953

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket ~~2126~~ 2128, Contract Idm-E408, (Uranium) Gateway Mining and Development Co., Mesa County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of December, 1952, pertaining to DMEA Docket ~~2126~~ 2128, Contract Idm-E408, Gateway Mining and Development Co.

John F. Shaw for
W. H. King

Enclosures

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

Denver Customhouse
Denver 2, Colorado

January 26, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 6 1953

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket ~~2226~~ 2128, Contract Idm-2408, (Uranium) Gateway Mining and Development Co., Mesa County, Colorado - Operator's Monthly Progress Report for the period of December, 1952

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report - January 7, 1953
Date Received in Field Office - January 12, 1953
Date Received in Region Office - January 21, 1953
Date Processed for Payment - January 26, 1953

W. H. King
W. H. King

Enclosures

RDB:oc
cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 20, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Mesa County, Colorado - Progress report for December 1952

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative, progress map (1 copy), recapitulation of core drill hole data, assays, and daily drill reports (1 copy)--and the original and six copies of Russell R. McLellan's memorandum covering inspection of the progress and reporting form entries. The contract is on short form MF-200 (A).

McLellan verifies the core drilling accomplishments from inspection of the core and the entries on the two reporting forms.

Payment is approved of $9,937.39, or 90 percent of the total $11,041.54 claimed by the contractor.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/cb

cc: 4
E408
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 20, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: Russell R. McLellan

Subject: DMEA 2128, Contract Idm-R406 (Uranium), Gateway Mining and Development Company, Mesa County, Colorado - Progress report for December 1952.

The La Sal group of claims was visited by Russell R. McLellan and Wilbert L. Dare on January 13, 1953. One additional diamond drill went into operation on the date of the inspection, making a total of three operating drills. Considerable snow covered the area but drilling is expected to continue at an increased rate in an effort to complete the project by the end of February 1953.

Drifting snow covered many of the holes so that the exact locations could not be determined by visual inspection. However, the core was available for inspection at the mine camp. Twenty-four core drill holes were completed during the period for a total of 3,351.0 feet, as reported in the narrative.

Included with the narrative report are the assay results, a recapitulation of drill hole data, a drilling progress map, and a daily drill report for each hole drilled during the period.

Arrangements have been made whereby all core will be logged by geologists from the U. S. Geological Survey's Grand Junction office.

All work has been performed in conformance with the terms of the short form contract, and payment is recommended of $9,937.39, or 90 percent of the $11,041.54 claimed.

Russell R. McLellan
Russell R. McLellan
Mining Engineer

RRM/eb

cc; 6, R406, DMEA Chron.

(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. E 408 in accordance with the terms of the contract.

Signature R. R. McLellan 9,937.39 WMK Title Mining Engineer Date 1/19/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.B.

Signature W. H. King Title Executive Officer Date JAN 26 1953

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 9 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA 2120 Contract No. IDM-E-408
Operator's Name Gateway Mining & Development Co. Minerals Uranium
Address P.O. Box 696, Grand Junction, Colorado
Contract Amount, $ 51,969.00 Government Participation: 90 % Amount, $ 46,772.10

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	11,041.54	8,455.38	19,496.92			
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	11,041.54	8,455.38	19496.92	11041.54	8455.38	19496.92

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

Date January 7, 1953 Payee Gateway Mining & Development Co.

Per John I. Schumacher Title Consultant Engineer

*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:

$9937.39

Signature [illegible]
(Authorized Certifying Officer)

Date 1/29/53 Voucher 53-92

(See other side)

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 9 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 2120 Contract No. [illegible]
Operator's Name Gateway Mining & Development Company Minerals Uranium
Address P.O. Box 603, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	11,041.61	3351	19,495.42	4915	3.293	14970	49237.65
Churn	Foot			3351.50	2700	1.243	2700	3351.50
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		11,041.61	3351	19,495.92				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								81350.00

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 January 7, 1953 Operator Gateway Min. & Dev. Co.

Per John I. Schumacher Title Consultant Engineer
JOHN I. SCHUMACHER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

[illegible] 2122

[illegible]

[illegible]

[illegible] 1959

	[illegible]	[illegible]
[illegible]	81	90
[illegible]	0	28
[illegible]	24	63
Footage drilled	[illegible]1	[illegible]20.0
[illegible]	0	[illegible]56.0
Diamond drill	[illegible]1.0	[illegible]10.0
Holes lost	0	3
Footage lost	0	230
Mineralized holes	6	[illegible]
Ore holes	2	5

NARRATIVE

During December, the wide space, initial phase diamond [illegible] commenced at [illegible] per shift with 2281.0 feet being drilled [illegible] a total of [illegible] holes. (See underlined holes on progress map.) [illegible] holes were mineralized and two of these were of ore grade and thickness.

The geologic information obtained from the drilling this month is establishing several favorable characteristics that may lead to finding more ore in the future drilling. In keeping of the ore thickness shows that the thickest part of the ore lense in the ore horizon lies east and west to the east of the main workings and then turns southeast between the two main workings. The ore, however, seems to lie along the hanging edge rather than in the thickest part, and it is particularly noticeable where any abrupt change takes place such as the rapid thickening of the underlying blue clay.

Based on ore information at this stage of the drilling, the thickest ore follows along [illegible] east to [illegible] to [illegible] and the southeast to [illegible] 47, [illegible] and [illegible] 4.

Plans for the coming month are to continue the relocating [illegible] additional [illegible] the area of ore [illegible] zone. A line of holes along the west of [illegible] will also be drilled.

No [illegible] were initiated as yet as no blocking out holes have been drilled.

John J. Schumacher
JOHN J. SCHUMACHER
Consultant Engineer

Attached: Drilling progress map
Plans of drill hole information
Assay results

GATEWAY MINING AND DEVELOPMENT COMPANY

[illegible] 2120
December 1953

[illegible]

HOLE NO.	SHOT. NO.	FROM	TO	U_3O_8	U_3O_8	% Recovery
WD 32	51	59 ft.	59 ft.	.01	.03	
WD 33	49	82 ft.	84 ft.	.03	.05	
WD 34	53	72.5 "	74.5 "	.02	.02	

* Note holes above were drilled in the previous period.

DD 13	62	114.0	116.0	.27	.08	65
DD 25	73	152.5	154.0	.20	.67	100
DD 26	64	111.5	113.0	.05	.35	100
DD 35	59	79.0	82.5	.32	.02	66
DD 35	59	73.5	73.8	1.12	.06	66

GATEWAY MINING AND DEVELOPMENT COMPANY

DMGA 8128
December 1952

RECAP OF DRILL HOLE DATA

HOLE NO.	ELEV. CO.	DEPTH	FAVORABILITY	REMARKS
DD 13	62	150	Unfa.	Not ore grade Good thickness of [illegible] in.
DD 14	38	143	Unfa.	Good [illegible] in Main [illegible]
DD 15	71	140	Unfav.	Poor [illegible] thickness
DD 16	70	155	Unfav.	Poor [illegible] thickness
DD 17	73	110	Unfav.	Poor [illegible] thickness
DD 18	72	128	Semi-fav.	Carbon chunks, but poor [illegible] thickness
DD 19	74	190	Unfav.	Poor [illegible] thickness
DD 20	77	144	Unfav.	Poor [illegible] thickness
DD 21	70	130	Unfa.	Carbon chunks & good [illegible] thickness
DD 22	79	144	Unfav.	Poor [illegible] thickness
DD 23	15	103	Fav.	Good [illegible] thickness
DD 24	85	107	Fav.	Good [illegible] thickness & [illegible] in.
DD 25	75	154	Unfa.	Ore grade
DD 26	84	123	Unfa.	Ore grade
DD 27	83	120	Unfav.	Fair [illegible] thickness
DD 28	90	138	Fav.	Good [illegible] thickness
DD 29	92	114	Unfav.	Poor [illegible] thickness
DD 30	91	174	Unfav.	Poor [illegible] thickness
DD 31	92	120	Unfav.	Poor [illegible] thickness
DD 32	93	155	Unfav.	Poor [illegible] thickness
DD 33	94	143	Unfav.	Poor [illegible] thickness
DD 34	95	190	Fav.	Good [illegible] thickness
DD 35	59	173	Unfa.	Semi-fav. in Main [illegible]
DD 36	96	190	Unfav.	Poor [illegible] thickness

TOTAL DIAMOND DRILLING: 2251.0 feet

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 23 1953

January 20, 1953

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2128, Contract Idm-E408 (Uranium) Gateway Mining and Development Company, Inc., Mesa County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Inspecting Engineer's Narrative Report, Operator's Narrative Report and other supporting data for the month of November, 1952, pertaining to DMEA Docket 2128, Contract Idm-E408, Gateway Mining and Development Company, Inc.

W. H. King
W. H. King

Enclosures

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 23 1953

224 New Customhouse
Denver 2, Colorado

January 12, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Operator's Monthly Progress Report, for the period November, 1952

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Additional 900 ft. churn drilling was approved by inspecting engineer, therefore a total of 2700 ft. of churn drilling is allowed under the contract.

Remarks:

Date of Report----------December 10, 1952
Date Received in Colorado Branch Office----------December 15, 1952
Date Received in Region IV Office----------December 31, 1952
Date Processed for Payment----------January 9, 1953

W. H. King
W. H. King

Enclosures

RPB; es
cc: Contract
Sec. to the Oper. Comm. (2)
Traver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 29, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2128, Contract Idm-E408 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Progress report for November 1952

Please find enclosed the original and four copies of the above progress report, the initial progress report submitted by the operator--forms MF-104 and MF-104A, with narrative, maps, and recapitulation of drill hole data--and the original and six copies of Russell R. McLellan's memorandum covering inspection of the progress and accounts.

McLellan verified the wagon drilling and core drilling and the correctness of entries on the reporting forms. The contract was prepared on the short form MF-200 (A).

Payment is approved of $7,609.84, or 90 percent of the total $8,455.38 claimed by the contractor.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/cb

cc 4
MKoschmann
E408
DMEA Chron

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 29, 1952

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: Russell R. McLellan

Subject: DMEA 2128, Contract Idm-E4C6 (Uranium), Gateway Mining and Development Company, Inc., Mesa County, Colorado - Progress report for November 1952.

The La Sal group of claims was visited by Russell R. McLellan and Wilbert L. Bare on December 18, 1952. Diamond drilling was in progress in spite of heavy snowfall and freezing weather. Continued snowfall may interrupt the drilling temporarily during December and January.

Drilling is being done in a satisfactory manner and core and cuttings are being collected properly. Many of the drill holes could not be located due to drifting snow; however, the amount of drilling reported in the narrative is verified by driller's logs and is undoubtedly correct.

The company reports a total of 2,700 feet of wagon drilling and 1,464 feet of diamond drilling completed. The maximum allowable footage for wagon drilling has been reached at 2,700 feet.

Maps, hole logs, and assay returns are included with the narrative report and the MF-104 forms. Invoices and payrolls are not included as the exploration is being conducted on a short form contract.

Payment is recommended of $7,609.84, or 90 percent of the $8,455.38 claimed.

Russell R. McLellan
Russell R. McLellan
Mining Engineer

RRM/eb

cc 6
AHKoschmann
E4C6
DMEA Chron

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 2128 Contract No. IDM-E 408

Operator's Name Gateway Mining & Development Company Minerals Uranium

Address P.O. Box 896, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	feet	4823.88	1464	4823.88	1464	3.295	14670	48337.65
~~Churn~~ Wagon	feet	3631.50	2700	3631.50	2700	1.345	2700	3631.50
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		8455.38	4164	8455.38				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								51969.00

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 December 10, 1952 Operator Gateway Mining & Development Company

Per John I. Schumacher Title Mining Consultant
JOHN I. SCHUMACHER

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

REMARKS: As shown on the attached report 2724 feet of wagon drilling was completed. 2700 was authorized by the contract. The company will pay the 24 feet over the authorized footage.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

RECEIVED
JAN 23 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [illegible], 195[illegible] Docket No. DMEA[illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: [illegible]% Amount, $[illegible]

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 [illegible]	[illegible]	0	[illegible]			
Bulldozing						
Crosscutting						
Drifting						
[illegible]	[illegible]	0	[illegible]			
(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	[illegible]		[illegible]	8455.38		8455.38

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

Date [illegible] *Payee [illegible]

Per John A. Schmacher Title [illegible]

*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:

$7609.84

Signature [illegible] (Authorized Certifying Officer)

Date 1/14/53 Voucher DMA 53-81

(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. E 408 in accordance with the terms of the contract.

Signature R. R. McLellan 760954 WM Title Mining Engineer Date 12/23/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R. D. B.

Signature W. H. Ring Title Executive Officer Date JAN 12 1953

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.

GPO 83-38476

GATEWAY MINING AND DEVELOPMENT COMPANY D.M.E.A. 2128

MONTHLY REPORT

STATISTICAL DATA

Period November 1952 Date Started November 5, 1952

	This Period	To Date
Holes drilled	54	54
Wagon drill	42	42
Diamond drill	12	12
Footage drilled	4188.0	4188.0
Wagon drill	2724.0	2724.0
Diamond drill	1464.0	1464.0
Holes lost	3*	3
Footage lost	198	198
Mineralized holes	17	17
Ore holes	3*	3

* See explanation in narrative.

NARRATIVE

Operation under the loan contract was started by preliminary road construction and drill site clearing on November 5, 1952. Actual wagon drilling was started on November 8th and the diamond drilling was started on November 17th. The initial phase of wagon drilling which progressed rapidly was completed on November 14th. (1800 feet). After approval from the D.M.E.A. field engineer, the final phase of 900.0 feet of offset wagon drilling was started on November 22nd and completed on November 24th. Total diamond drilling footage completed at the end of November was 1464.0 feet.

Drilling results thus far have been very encouraging with 17 mineralized holes drilled of which three were ore grade. More of the mineralized holes may be of ore grade after all assay returns are in for the period. Mineralization as shown on the Recap of Drill Hole Information is determined as either ore, or lower grade than ore but which shows the presence of U_3O_8 or V_2O_5 by counter reading, visual inspection or assays. Ore is defined as U_3O_8 values of 0.10 or over and at least one foot thick. It should be noted that on Hole WD 14 the assays show mineralization from 73.5 to 82.5, none which would be considered as ore (0.09 U_3O_8), however, in probing the hole with a counter and extension cable, two feet within this distance is shown to be about 0.25 U_3O_8. This hole is then considered an ore hole. Dilution in wagon drill samples is unavoidable at times due to the slight color variation which is used as a guide to sample cutoff.

The wagon drill holes were drilled along the rim and behind the mine workings up to depths of 90 feet. One hole WD 14 went to 100 feet and the total wagon drill footage drilled exceeded the maximum footage 24 feet,

however, the company will pay for this difference. 103 feet were lost in three holes due to no air return while wagon drilling. These holes were followed by another hole a short distance away, usually 5 feet, and they are shown on the map as WD 12 and WD 12A, WD 10 and WD 10A and WD 9 and WD 9A.

From the drilling results, it is expected that a body of ore may be picked up by later diamond drilling behind Holes WD 30, WD 13A, and WD 32. This area is favorable in sandstone thickness and altered green mudstone. The areas around Hole DD 14 and DD 9 are expected to produce ore bodies. DD 1 which is fairly close to the present workings may also be in a new ore body as only thin streaks of mineralization show in the drift near it.

Most of the diamond drilling has been concentrated in the eastern edge, however, an east-west line of holes behind the workings to give a more complete geological section are planned this next period. The drilling pattern has corresponded to that laid out in the contract except for minor changes due to topography.

The general operation of the contract has progressed smoothly in spite of the two heavy snowfalls during the period. The two drilling contractors started on the job with little delay and have been drilling at a good rate per shift as well as good core recovery. One wagon drill (Bob Williams) and two diamond drills (Johnson and Youvan Drilling Company) were used during the month. The Company caterpillar was used to construct drilling sites and bulldoze roads during the period. One man is used as a sampler to check the operation of the drill rigs, core recovery and logs, box core samples, mark holes, nail prefab core boxes, split core and other incidental work. A geologic field assistant spots holes, makes a geologic log, surveys drill holes and acts as field supervisor of the project.

Diamond drill cores are crated in wooden boxes which are cut in Grand Junction and nailed together by the sampler on the job. It is anticipated that these cores will eventually be moved to Denver for permanent storage.

The wagon drill cuttings are stored on the project in paper bags.

No reserves are estimated for this period as insufficient drilling has as yet been completed.

John I. Schumacher
JOHN I. SCHUMACHER
Consultant Engineer

Attached: Drilling Progress Map
Recap of Drill Hole Information

GATEWAY MINING AND DEVELOPMENT COMPANY

D.M.E.A. 8128
November 1952

RECAP OF DRILL HOLE DATA

Hole No.	Geol. No.	Depth	Favorability	Remarks
WD 1	6	80	Fav.	12 Ft. green mudstone under SS
WD 2	3	70	Fav.	Water at 70 foot
WD 3	8	68	Semi.	Fair thickness of SS
WD 4	24	31	Unfav.	10 Ft. sandstone
WD 5	1	25	Unfav.	13 Ft. sandstone
WD 6	2	32		No air return at 32 Ft.
WD 7	25	68	Unfav.	Poor sandstone thickness
WD 8	23	60	Unfav.	Poor sandstone thickness
WD 9	4	19		No air return, crack
WD 9A	4A	71	Unfav.	Poor sandstone thickness
WD 10	5	18		No air return, crack
WD 10A	5A	71	Unfav.	Poor SS thickness
WD 11	18	88	Malz.	Good thickness of SS & Gn MS
WD 12	19	85	Malz.	Good thickness of SS & Gn MS
WD 13	20	71		Lost air return
WD 13A	20A	89	Malz.	Low counter reading
WD 14	14	100	Malz. (ore)	Samples Nos. W.D. 4,5,6,7
WD 15	13	90	Malz.	Samples Nos. W.D. 1,2,3
WD 16	40	74	Malz.	Samples No. W.D. 8,9
WD 17	7	67	Semi.	Gn MS and SS fair
WD 18	26	56	Semi.	Gn MS and SS fair
WD 19	34	70	Fav.	Gn MS and SS fair
WD 20	35	77	Unfav.	Poor thickness SS
WD 21	30	70	Fav.	Good thickness SS & Gn MS
WD 22	32	52	Unfav.	Poor thickness of SS
WD 23	28	39	Fav.	Count at top of Gn MS
WD 24	29	45	Fav.	Count at top of Gn MS
WD 25	54	43	Semi.	Fair SS Thickness
WD 26	51	52	Unfav.	Poor SS thickness
WD 27	52	54	Unfav.	Poor SS thickness
WD 28	53	47	Unfav.	Poor SS thickness
WD 29	50	70	Semi-fav.	Poor SS thickness
WD 30	1B	85	Malz.	No assay returns
WD 31	2B	82	Fav.	Good Gn MS thickness
WD 32	3B	71	Malz.	Possible low grade ore
WD 33	4B	90	Malz.	Possible low grade ore
WD 34	5B	93	Malz.	Possible low grade ore
WD 35	6B	89	Malz.	Possible low grade ore
WD 36	7B	58	Fav.	Good thickness SS & Gn MS
WD 37	8B	42	Unfav.	Poor thickness of SS
WD 38	9B	52	Fav.	Good thickness SS
WD 39	10B	70	Fav.	Good thickness SS

GATEWAY MINING AND DEVELOPMENT COMPANY

D.M.M.A. 8128
November 1962

RECAP OF DRILL HOLE DATA

Hole No.	Geol. No.	Depth	Favorability	Remarks
WD 1	6	80	Fav.	12 Ft. green mudstone under MS
WD 2	3	70	Fav.	Water at 70 feet
WD 3	8	68	Semi.	Fair thickness of SS
WD 4	24	31	Unfav.	10 Ft. sandstone
WD 5	1	25	Unfav.	13 Ft. sandstone
WD 6	2	32		No air return at 32 Ft.
WD 7	25	88	Unfav.	Poor sandstone thickness
WD 8	23	80	Unfav.	Poor sandstone thickness
WD 9	4	19		No air return, crack
WD 9A	4A	71	Unfav.	Poor sandstone thickness
WD 10	5	18		No air return, crack
WD 10A	5A	71	Unfav.	Poor SS thickness
WD 11	18	88	Mnlz.	Good thickness of SS & Gn MS
WD 12	19	85	Mnlz.	Good thickness of SS & Gn MS
WD 13	20	71		Lost air return
WD 13A	20A	89	Mnlz.	Low counter reading
WD 14	14	100	Mnlz. (ore)	Samples Nos. W.D. 4,5,6,7
WD 15	13	90	Mnlz.	Samples Nos. W.D. 1,2,3
WD 16	40	74	Mnlz.	Samples No. W.D. 8,9
WD 17	7	67	Semi.	Gn MS and SS fair
WD 18	26	56	Semi.	Gn MS and SS fair
WD 19	34	70	Fav.	Gn MS and SS fair
WD 20	35	77	Unfav.	Poor thickness SS
WD 21	30	70	Fav.	Good thickness SS & Gn MS
WD 22	32	52	Unfav.	Poor thickness of SS
WD 23	28	39	Fav.	Count at top of Gn MS
WD 24	29	45	Fav.	Count at top of Gn MS
WD 25	54	43	Semi.	Fair SS Thickness
WD 26	51	52	Unfav.	Poor SS thickness
WD 27	52	54	Unfav.	Poor SS thickness
WD 28	53	47	Unfav.	Poor SS thickness
WD 29	50	70	Semi-fav.	Poor SS thickness
WD 30	1B	85	Mnlz.	No assay returns
WD 31	2B	92	Fav.	Good Gn MS thickness
WD 32	3B	71	Mnlz.	Possible low grade ore
WD 33	4B	90	Mnlz.	Possible low grade ore
WD 34	5B	93	Mnlz.	Possible low grade ore
WD 35	6B	89	Mnlz.	Possible low grade ore
WD 36	7B	58	Fav.	Good thickness SS & Gn MS
WD 37	8B	42	Unfav.	Poor thickness of SS
WD 38	9B	52	Fav.	Good thickness SS
WD 39	10B	70	Fav.	Good thickness SS

GATEWAY MINING AND DEVELOPMENT COMPANY (continued) D.M.M.A. 2128
November 1952

Recap of Drill Hole Data

Diamond Drill Holes

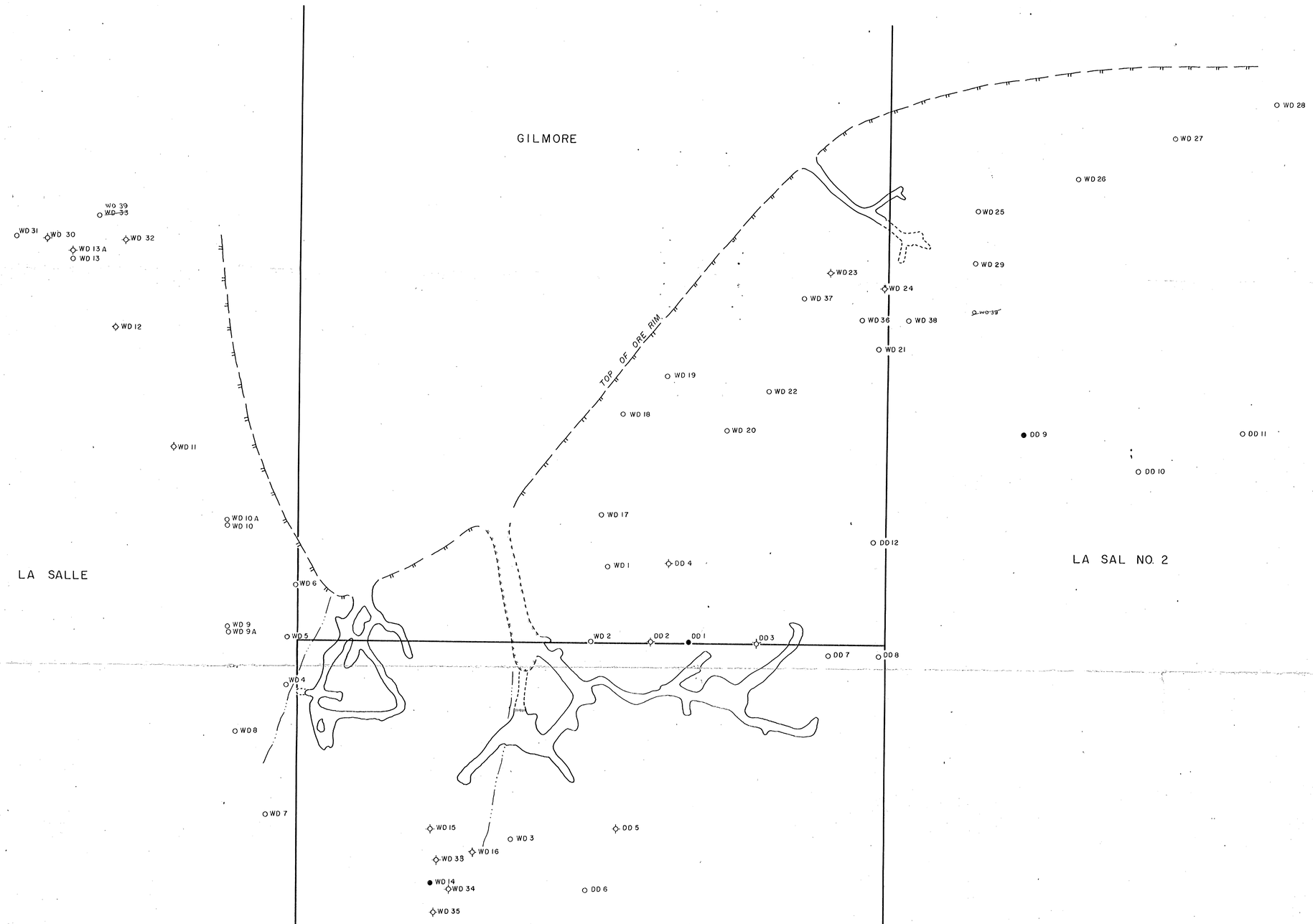
Hole No.	Geologic No.	Depth	Favorability	Remarks
DD 1	9	117	Mnlz.	Ore grade
DD 2	10	103	Mnlz.	Not ore grade
DD 3	11	133	Mnlz.	Low counter reading
DD 4	12	120	Mnlz.	Not ore grade
DD 5	16	103	Mnlz.	Not ore grade
DD 6	17	103	Unfav.	Poor SS thickness
DD 7	26	134	Semi-Fav.	Carbon streaks & good SS
DD 8	27	130	Unfav.	Poor sandstone thickness
DD 9	55	110	Mnlz.	Ore grade
DD 10	56	143	Fav.	Good sandstone thickness
DD 11	57	154	Fav.	Good sandstone thickness
DD 12	49	114	Fav.	Good sandstone thickness

Total Wagon Drilling	2724.0 Feet
Total Diamond Drilling	1464.0 Feet
TOTAL	4188.0 Feet

GATEWAY MINING AND DEVELOPMENT COMPANY PERIOD NOVEMBER 5-30, 1952

ASSAY RECORD

SAMPLE NO.	HOLE NO.	DEPTH	FEET	RECOVERY	V_2O_5	U_3O_8
DIAMOND DRILL SAMPLES						
1	DD 4	89.0-89.35	0.35	80%	0.7[illegible]	0.02
2	DD 4	92.0-92.5	0.5	80%	0.60	0.01
3	DD 2	76.5-77.1	0.6	90%	0.62	0.01
4	DD 5	90.5-91.0	0.5	95%	0.10	0.03
5	DD 1	79.7-80.7	1.0	100%	0.45	0.21
6	DD 1	77.7-79.7	2.0	100%	0.32	0.01
7	DD 9	72.0-73.0	1.0	100%	0.26	0.12
WAGON DRILL SAMPLES						
2982-1	WD 15	73'-74'	1.0		0.13	0.02
2982-2	WD 15	74'-75'8"	1.7		0.02	0.01
2982-3	WD 15	75'8"-77'	1.3		0.02	0.01
2982-4	WD 14	72'-73'6"	1.5		0.43	0.01
2982-5	WD 14	73'6"-77'[illegible]	4.0		0.12	0.01
2982-6	WD 14	77'6"-79'6"	2.0		0.05	0.09
2982-7	WD 14	79'6"-82'6"	3.0		0.05	0.09
2982-8	WD 16	54'6"-57'	2.5		Trace	0.04
2982-9	WD 16	57'-58'6"	1.5		Trace	0.03



LEGEND

- Road
- Open Cut
- Mine Workings
- ○ Drill Hole Barren
- ◇ Drill Hole Mineralized
- ● Drill Hole Ore
- ○ DD12 Hole Drilled this Period
- × Proposed Drill Hole

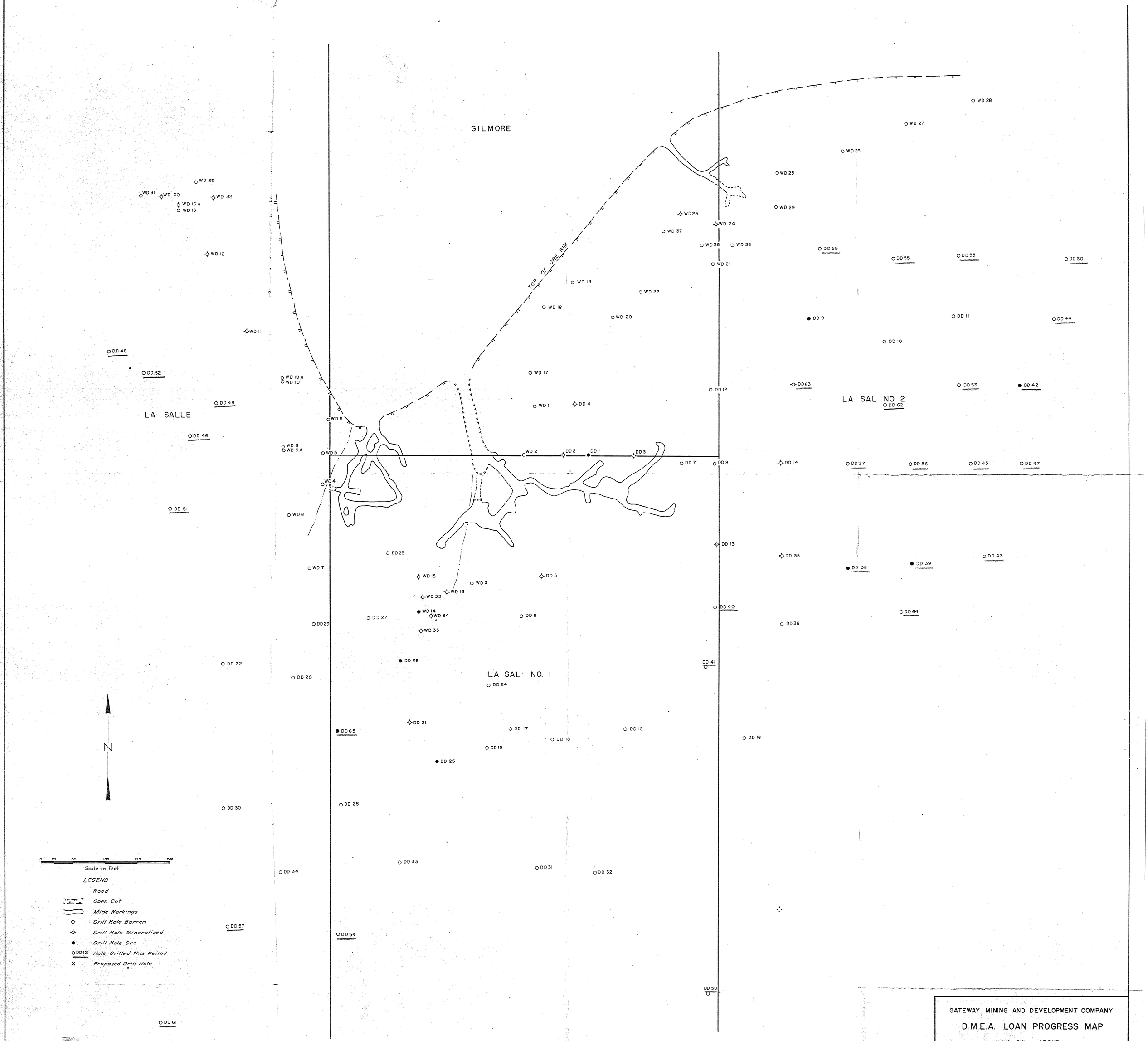
GATEWAY MINING AND DEVELOPMENT COMPANY

D.M.E.A. LOAN PROGRESS MAP

LA SAL GROUP

MESA COUNTY COLORADO

Date	Dec 5 1952	Period	November 1952
Drawn by	D. Bean & J.B.	Approved	J.B.



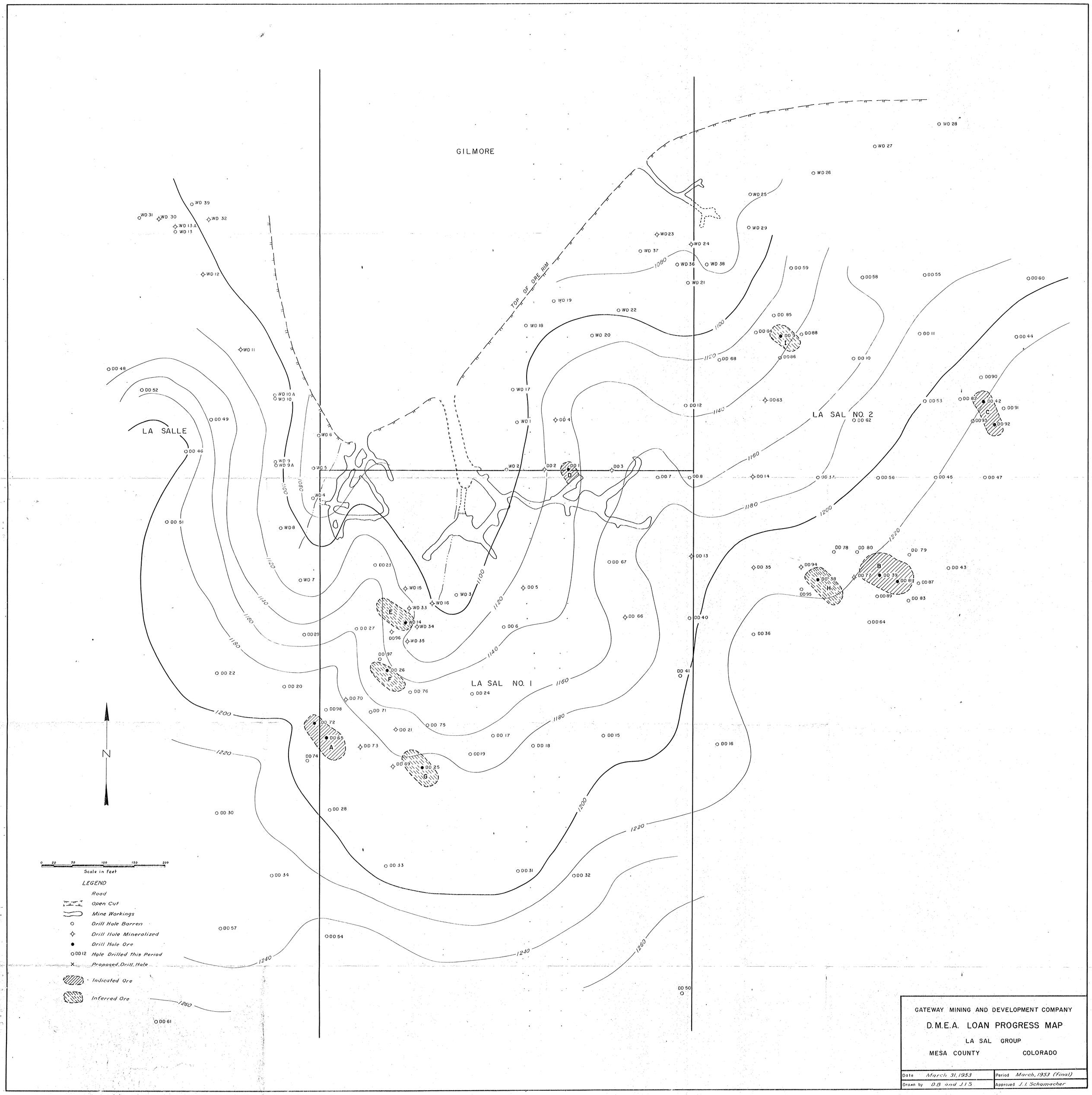
GATEWAY MINING AND DEVELOPMENT COMPANY

D.M.E.A. LOAN PROGRESS MAP

LA SAL GROUP

MESA COUNTY COLORADO

Date Feb 10 1953	Period January February 1953
Drawn by	Approved J.I.S.



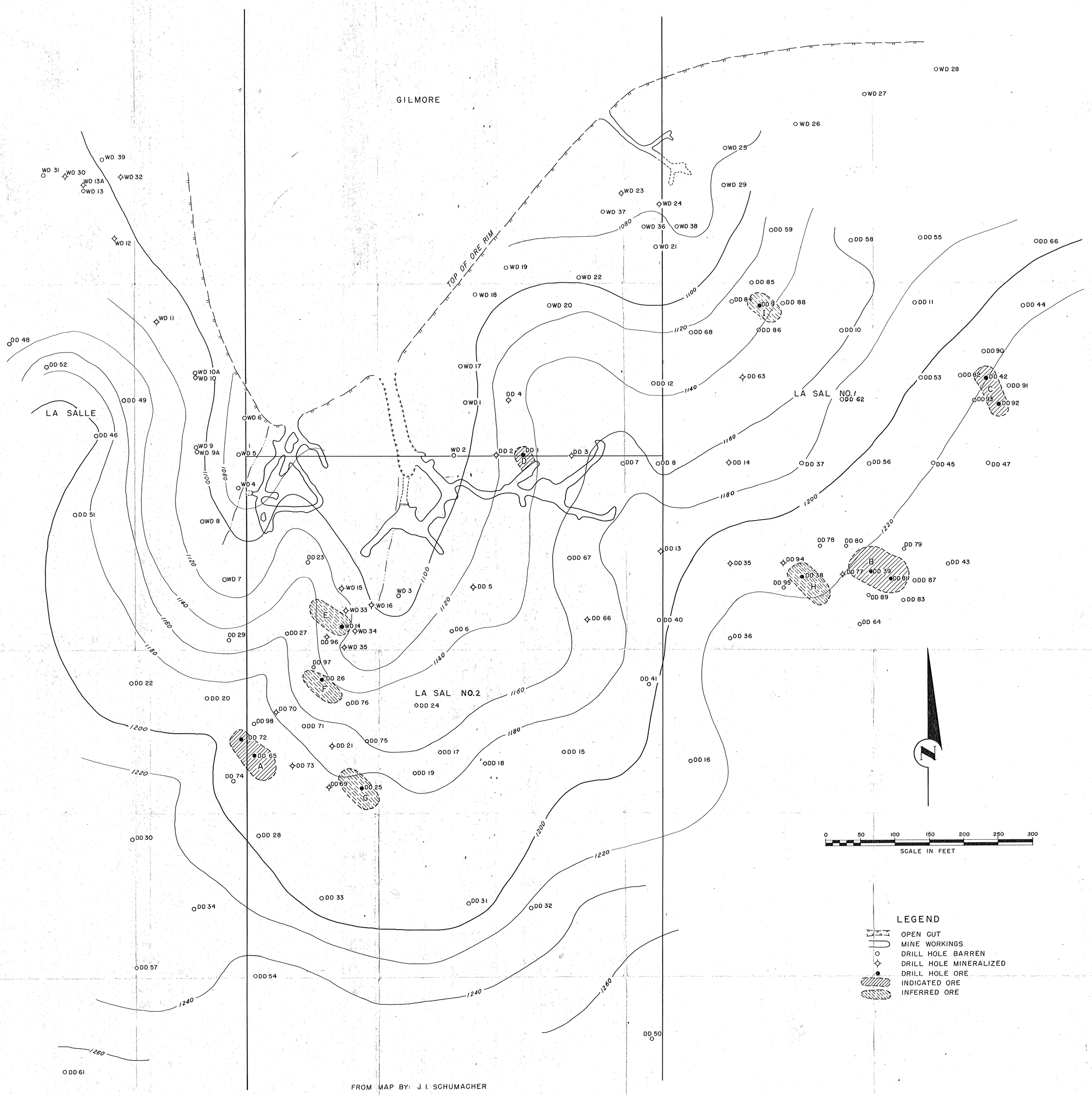
GATEWAY MINING AND DEVELOPMENT COMPANY

D.M.E.A. LOAN PROGRESS MAP

LA SAL GROUP

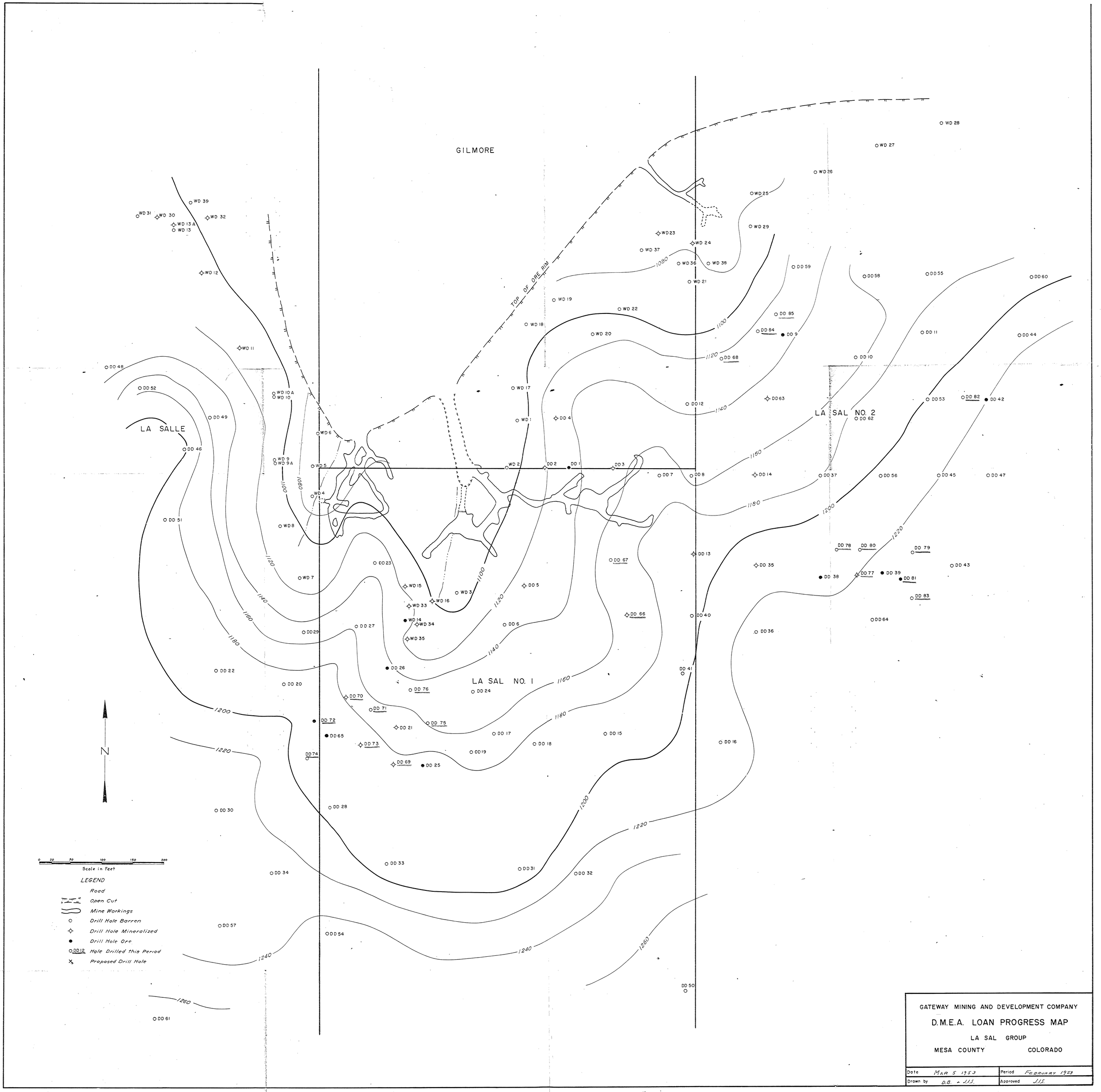
MESA COUNTY COLORADO

Date March 31, 1953	Period March, 1953 (Final)
Drawn by D.B and J.I.S	Approved J.I. Schumacher



MINERAL RESOURCES BRANCH - MINING DIVISION
REGION IV
BUREAU OF MINES

FIGURE 1 - LOCATION MAP OF WAGON DRILL HOLES, DIAMOND DRILL HOLES AND ORE DEPOSITS, GATEWAY MINING AND DEVELOPMENT CO. (DMEA 2128, CONTRACT E408)


GILMORE
LA SALLE
LA SAL NO. 1
LA SAL NO. 2
TOP OF ORE RIM
1080
1100
1120
1140
1160
1180
1200
1220
1240
1260
N
Scale in Feet
LEGEND
Road
Open Cut
Mine Workings
Drill Hole Barren
Drill Hole Mineralized
Drill Hole Ore
Hole Drilled this Period
Proposed Drill Hole
GATEWAY MINING AND DEVELOPMENT COMPANY
D.M.E.A. LOAN PROGRESS MAP
LA SAL GROUP
MESA COUNTY COLORADO
Date MAR 5 1953
Period FEBRUARY 1953
Drawn by D.B. & J.I.S.
Approved J.I.S.