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

1201 N. Division St.
Spokane 2, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 17 1958
DATE

February 3, 1958

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Final inspection report, Docket No. DMEA-4480 (manganese), Pioneer Corp. of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

The final inspection of the project was made July 1, 1957, accompanied by Messrs. R. D. Sample and W. C. Prinz, geologists, U. S. Geological Survey. None of the operating personnel were at the project.

All equipment had been removed from the site; only the tool shed remained and that was locked. Ten core boxes containing core were in the adjoining shed, available for inspection.

Examination of the site area revealed the locations of DDH 4 and DDH 5 and these were plotted with relation to DDH 1 and DDH 3. Cores were examined and logged by Messrs. Sample and Prinz. From the data of the core box contents it was evident that DDH 3 bottomed at 151 feet, DDH 4 at 200 feet, and DDH 5 at 90 feet. The combined depths of DDH 1, 3, 4 and 5 totaled 602 feet (authorized 600 feet). All the holes were cased but at the time of the inspection the casing had been pulled and the amount of casing used in DDH 4 and DDH 5 could not be verified. On June 3, 1957, the casing in DDH 1 and DDH 3 amounted to 112 feet and 50 feet, respectively.

The first heading round on the pit floor broke into limestone (massive) and was abandoned in favor of a new portal site about 20 feet above the pit floor. The drifting was never resumed and sloughing of the first portal site prohibited the measurement of any advance; the drifting was not voucherable.

The Government claims no equity in property or equipment.

The Field Team final report will not recommend a Certification of Discovery or Development.

Final status of the contract is:

Date of contract: January 29, 1957
Termination date: July 16, 1957
Contract amount: $21,580.00
Amount spent: 4,292.00 (subject to audit)

	Authorized	Completed
Compressor house and tool shed	$500.00	$500.00
Drift and/or crosscut	500 ft.	0
Timbering	300 ft.	0
Long hole drilling	1000 ft.	0
Bulldozing	8 hrs.	8 hrs.
Diamond drilling	600 ft.	602 ft.
Cement, redrill, case	200 ft.	200 ft. *
Core boxes	14	10
Assaying and sampling	150 samples	6 *
Cons. engineer-geologist	15 days	5

*Operator's affidavit

During the period of the contract the Operator shipped two lots of ore having a gross value of $3,300.39 on which 5 percent royalty or $165.02 (subject to audit) is due.

John A. Bowsher

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher
Turner

DIAMOND DRILL HOLE NO. 3

(Continuation -- see Interim Report June 25, 1957)

Collar altitude 5018 feet
Vertical hole

From (ft.)	To (ft.)	Description
70	88	*Sludge only, sandy. Dark drillings. No core. 0.4 % Mn.
88	90	Limestone.
90	95(?)	*Slimy sludge with some broken limestone fragments. Show Mn. 3.0% Mn.
95(?)	102	Limestone.
102	150 (bottom)	Calcareous sludge with limestone fragments.

*Logged by Steve Giulio

DIAMOND DRILL HOLE NO. 4

Collar altitude 5043 feet
Bearing S. 54° E. Dip 57½°

	From (ft.)	To (ft.)	Description
BX core	0	13.3	Massive siliceous limestone. Mn seam in first 2 ft. and Mn streak at 9 ft. 60% recovery.
	13.3	38	Sludge, fine, gray-drab mud.
	38	48	*Mn showing with Fe oxidation. 0.3 to 0.5% Mn.
	48	52(?)	Siliceous limestone, very porous, limonitic boxwork like structure. 25% recovery.
	52(?)	57	*Sandy sludge and broken core. Mn present. 0.5% Mn.
AX core	57	59	Siliceous limestone.
	59	65	Siliceous limestone, limonitic, broken, porous.
	65	69	*Sandy sludge only. Some Mn apparent. Fe oxide. 1.3% Mn.
	69	170	Sludge with some limestone fragments and core.
	170	200 (bottom)	Sludge, light gray.

*Logged by Steve Giulio.

DIAMOND DRILL HOLE NO. 5

Collar altitude 4937
Vertical hole

From (ft.)	To (ft.)	Description
0	23	Sludge, gray clay.
23	25	Silicified boxwork, limy.
25	42	Limestone, fine grained, massive, some limonite streaks and stains. A few cavities lined with small quartz crystals.
42	49	Siliceous limestone, broken limonite stained. 50% recovery.
49	51	Sludge.
51	53	Siliceous limestone, limonite streaks.
53	77	Siliceous limestone, much broken, poor recovery.
77	90 (bottom)	Sludge.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

July 9, 1957

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DMEA
RECEIVED JUL 22 1957

DATE	INITIALS	CODE
7/22	C	220
7/22	Conn	100
7/23	WSM	400

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA-4480 (manganese), Pioneer Corporation of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

The project was visited July 1, accompanied by Messrs. R. D. Sample and W. Prinz, geologists, U. S. Geological Survey. The previous visit was June 3. None of the operating personnel were at the project.

All equipment had been removed from the site; only the tool shed remained and that was locked. Ten core boxes containing core were in the adjoining shed, available for inspection.

Examination of the site area revealed the locations of DDH 4 and DDH 5 and these were plotted with relation to DDH 1 and DDH 3 (see sketch). Cores were examined and logged by Messrs. Sample and Prinz. From the data of the core box contents it was evident that DDH 3 bottomed at 151 feet, DDH 4 at 200 feet, and DDH 5 at 90 feet. The combined lengths of DDH 1, 3, 4 and 5 totaled 602 feet (authorized 600 feet).

The core from interval 70-88 feet in DDH 3 and 38-48 and 65-69 feet in DDH 4 had been removed from the boxes probably for assay, indicating that manganese had been found. S. J. Giulio, consultant for the Operator, was contacted at Wickes, Montana, July 8, and confirmed the reason the core had been removed; he furnished the log and assay data of the missing core.

The status of the contract is given on the attached sheet.

John A. Bowsher

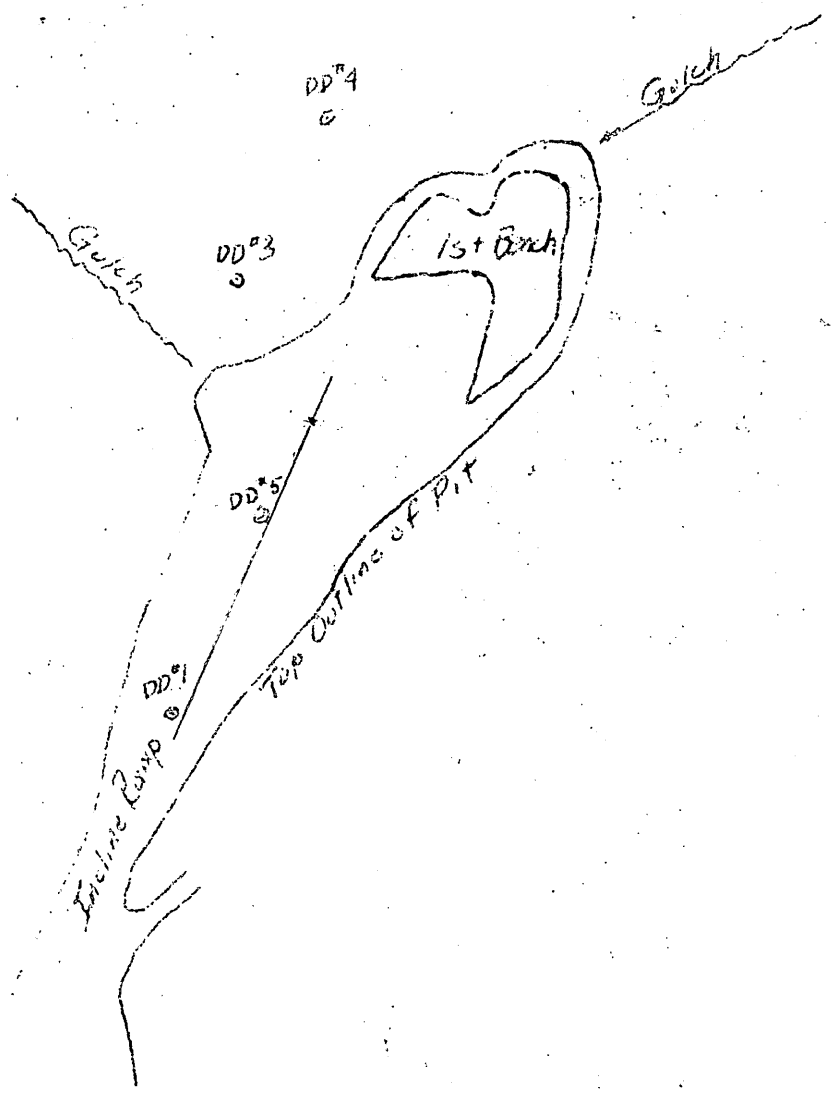
Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher

Contract No. Idm-E1058

Date of contract: January 29, 1957 Interim inspection: 7/1/57
Termination date: July 29, 1957 " report: 6/3-7/1/57
Amount of contract: $21,580.00
Amount spent: 1,479.00 (thru Apr. & May)

	Authorized	Advance	Completed	Vouchered Apr-May '57
Compressor house & tool shed	$500.00		$500.00	$500.00 *
Drift and/or crosscut	500 ft.		0	0
Timbering	300 ft.		0	0
Long hole drilling	1000 ft.		0	0
Bulldozing	8 hrs.		8 hrs.	8 hrs.
Diamond drilling	600 ft.	391 ft.	602 ft.	211 ft.
Cement, redrill, case	200 ft.	?	?	162 ft.
Core boxes	14	6	10	4
Assaying and sampling	150 samples			0
Cons. Engr.-Geol.	15 days		2	2

*Deleted from last voucher inasmuch as this was a facility for drifting and crosscutting which was not done.



Cook Prospect
Contract No Idm-E1038

Scale 80'=1"

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 5-9-8

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. ~~Division~~
6. ~~Docket Control Mails and Files~~
7. 400

Note comments in report regarding:

1. Project changes discussed
2. Is an amendment required?
3. I think so JBC
4.

and take appropriate action.

- - - - - - - - - -

Action taken by Division:

Robert E. Adams

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RECEIVED JUL 22 1957

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

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DMEA
RECEIVED JUL 8 1957

DATE	INITIALS	CODE
7-8	C	220
9	CBW	100
7/11	WSM	400

June 25, 1957

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: D. C. Alvord, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-4480 (Manganese), Pioneer Corporation of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

The subject property was examined on June 3, 1957, in company with J. A. Bowsher, Mining Engineer, U. S. Bureau of Mines. J. S. Barrett, president of the corporation, and Howard Marlow, mine foreman, were at the property during the examination.

In late April and early May the Operator collared the contract adit at the north end of the No. 4 bench sill (pl. 1) and advanced the heading 12 feet northeastward. At this stage a hole was drilled northeastward into the face an additional 10 feet. As the face of the drift was in limestone and as the long hole penetrated only limestone, the Operator, assuming there was little ore to the northeast at this elevation, became discouraged and abandoned the heading intending, at a later date, to stage up to the No. 3 bench level and to portal in from there. By the time of the inspection the Operator had caved much of the walls of the No. 4 bench adit while scraping ore from the upper benches. From an examination of the walls of the pit at the locality of the adit portal and from Mr. Marlow's description of the work, it appears that although the adit was collared in the footwall zone of the ore body, it was driven east of the northeast strike of the footwall of the ore into the footwall limestone. Two 10-foot long holes drilled into the northwest wall of the cut at the No. 4 level near the adit first penetrated 4-5 feet of ore and then bottomed in 5-6 feet of sheared material. As the footwall contact is uneven and undulatory, any drifting close to it might cross into footwall limestone locally. The contract includes up to 500 feet of drift and/or crosscut from the No. 3 level bench to test the northerly extent of the ore body and no geologic reason has been found to abandon this work. Messrs. Barrett and Marlow admitted that the drifting would be good exploration and that it should still be done, but apparently for financial

reasons the company finds itself unable to undertake this phase of the work at this time. At a later conference with the Field Team, it appeared probable that funds will be available for the drifting in the near future.

Three specifically located and directed diamond drill holes whose combined total footage shall not exceed 600 feet are included in the contract. By the time of the inspection DDH 1 had been completed at a depth of 161 feet and DDH 3 had been drilled to a depth of 81 feet (see pl. 1 and attached logs).

Sections A-A' and B-B' show the interpretation of the geologic logs. The ore body apparently does not extend to the depth of DDH 1 in the plane of section. Exposures made by the Operator's scraping on the first and second benches since the application examination was made last fall, and the results of DDH 1 indicate the ore body may be a body related to the bedding, which dips more steeply than shown in the sections on plate 1.

In line with the possibility that the deposit is roughly planar on both the hanging wall and footwall and that it may dip more steeply to the west than originally estimated, the following changes in the drilling program were discussed in the field and mutually agreed to be justified by all the individuals mentioned in this memorandum:

1. Abandon proposed hole 2.

2. Extend the depth of DDH 3 originally assigned at 100 feet to at least 150 feet; if no ore is encountered to this depth, bottom it; if the hole is in ore at 150 feet, continue it to a maximum depth of 200 feet.

3. If no ore is encountered in DDH 3, then collar DDH 3a at the site of DDH 3 on a bearing of S. 55° E. and dip of -70°; drill to 150 feet and bottom if barren; continue to 200 feet if in ore at 150 feet.

4. In the event either of the No. 3 holes penetrate ore, then collar DDH 4 approximately 100 feet NE of DDH 3 on a bearing of S. 50° E. and a dip of -65°; drill to 150 feet and bottom if barren or to a maximum of 200 feet if in ore at 150 feet.

5. The Pioneer Corporation, through Mr. Barrett, agreed to meet the cost of site preparation in DDH 4 and any others that might be agreed upon.

Other possible sites were discussed, such as one in the sill of the trench north of DDH 1 to test the ore body in the NE plane (section A-A') at shallower depth, but it was agreed that the Operator request in writing only those changes discussed under 1-5, above, which if drilled to minimum specifications would exceed the contract by 11 feet. To prevent a delay in the contract drilling a telephone call from the Rock Creek Lodge, near the Cook prospect, to the Geological Survey, Spokane, was made and authorization for the Operator to proceed on the altered drilling program was obtained.

Enclosures (2)

Distribution:
DMEA (Orig. & 3)
USBM (2)
USBM (AD)
Docket
Alvord

DIAMOND DRILL HOLE NO. 1

Collar altitude	4,958 feet	Collared	5/16/1957
Bearing	N. 30° E.	Bottomed	5/29/1957
Dip	-60°		

From (ft.)	To (ft.)	Description
0.0	5.0	Mostly overburden; sparse fragments, purple argillite.
5.0	20.9	Purple quartz ore argillite; some fine sandy zones; trace sericite; limonite on fractures; some convolutional structure.
20.9	34.8	Same as above but diluted to predominantly overburden sloughed in by caving bank.
34.8	50.0	Very light purple to light brown fine-grained argillaceous sandstone; well fractured with intense limonite staining -- very intense fracturing and staining near bottom of this interval.
50.0	66.0	Only 0.7 ft. core -- limey loose sand; dominantly quartz with trace of opaques; effervesces with HCl.
66.0	80.0	Only 0.8 ft. core -- powdered limestone with trace of sandstone.
80.0	161.0 (bottom)	Very light gray to gray brown very fine-grained crystalline limestone; locally argillaceous; very fine fractures with limonite coatings; locally fractures open up and contain euhedral calcite xls on surfaces; fragments of limestone in open zones rounded (solution?).

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DATE	INITIALS	CODE

DIAMOND DRILL HOLE NO. 3

Collar altitude
Vertical

Collared 5/31/1957
Bottomed

From (ft.)	To (ft.)	Description
0.0	5.0	Plug bit, no core.
5.0	25.0	Sludge, no core -- abundant limestone fragments and grains with sparse fragments of green argillite, gray sandstone, light gray quartzite; sparse quartz grains. Effervesces with HCl.
25.0	30.0	1.3 feet core -- hard-fractured fine-grained crystalline limestone; calcite crystals and limonite in fractures; sparse solution corrosion.
30.0	63.0	Sludge, no core -- fine-grained gray sandstone or sand (loose); dominantly limestone fragments with abundant quartz grains, trace of opaques and probable cherts; effervesces with HCl.
63.0	70.0	Sludge, no core -- fine-grained gray sand with brown overcast; effervesces with HCl.
70.0	75.0	Sludge, no core -- fine-grained sandstone with brown overcast; some fragments of limestone, finely fractured and recemented with siderite - calcite veinlets; probably a boulder.
75.0	81.0	Sludge, no core -- fine-grained sandstone (sand); definite trace of blue black manganese (pyrolusite) grains scattered through; effervesces with HCl.

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D M E A
RECEIVED JUL 8 1957

DATE	[illegible]	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1201 N. Division St.
Spokane 2, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 17 1957

DATE	INITIALS	CODE
6-17	C	220
25	Com	100
6/27	DLC	400

June 7, 1957

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA-4480 (manganese), Pioneer Corporation of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

The project was visited June 3, accompanied by Messrs. Don Alvord, geologist, U. S. Geological Survey, J. S. Barrett and Howard Mallow, Operators. The previous visit was May 3.

The work during the interim consisted of surface core drilling. DDH No. 1, located in the incline ramp (see map) was collared May 16 and bottomed May 29 at a depth of 161 feet. DDH No. 3, located west of the pit (see map) was collared May 31 and has advanced to 81 feet. DDH No. 1 was cased from collar to a depth of 112 feet and to date DDH No. 3 has been cased from collar to a depth of 50 feet. The course, dip, lithology log and core recovery to date of each hole will be reported by Alvord, Geological Survey.

DDH No. 1 cut the fault zone traversing argillaceous shale and bottomed in limestone. The core reveals no manganese mineralization; therefore the drilling of DDH No. 2, in the same vertical plane to cut below DDH No. 1, is unjustified.

The Operator will request, in writing, by June 6, a change in the surface core drilling program that remains; justification of the change was mutually agreed in the field, at the site, by all the individuals previously mentioned above. A long distance telephone call from the field to the Geological Survey, Spokane, was made to get authorization for the Operator to proceed on the altered core drilling program so the contract drillers could continue without delay.

The drifting will be resumed as soon as the core drilling has been completed and evaluated.

Status of the contract is given on the attached sheet.

John A. Bowsher

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher

Contract No. Idm-E1058

Contract date: January 29, 1957
Termination date: July 29, 1957
Contract amount: $21,580.00
Amount spent: 500.00

Interim inspection: 6/3/57
Interim report: 5/3-6/3/57

	Authorized	Completed	Mar. '57 Vouchered
Compressor house & tool shed	$ 500.00	$500.00	$ 500.00
Drift and/or crosscut	500 ft.		
Timbering	300 ft.		
Long hole drilling	1000 ft.		
Bulldozing	8 hrs.		
Diamond drilling	600 ft.		
Cementing, etc.	200 ft.		
Core boxes	14		
Assaying & sampling	150 samples		
Cons. Engr. & Geol.	15 days		

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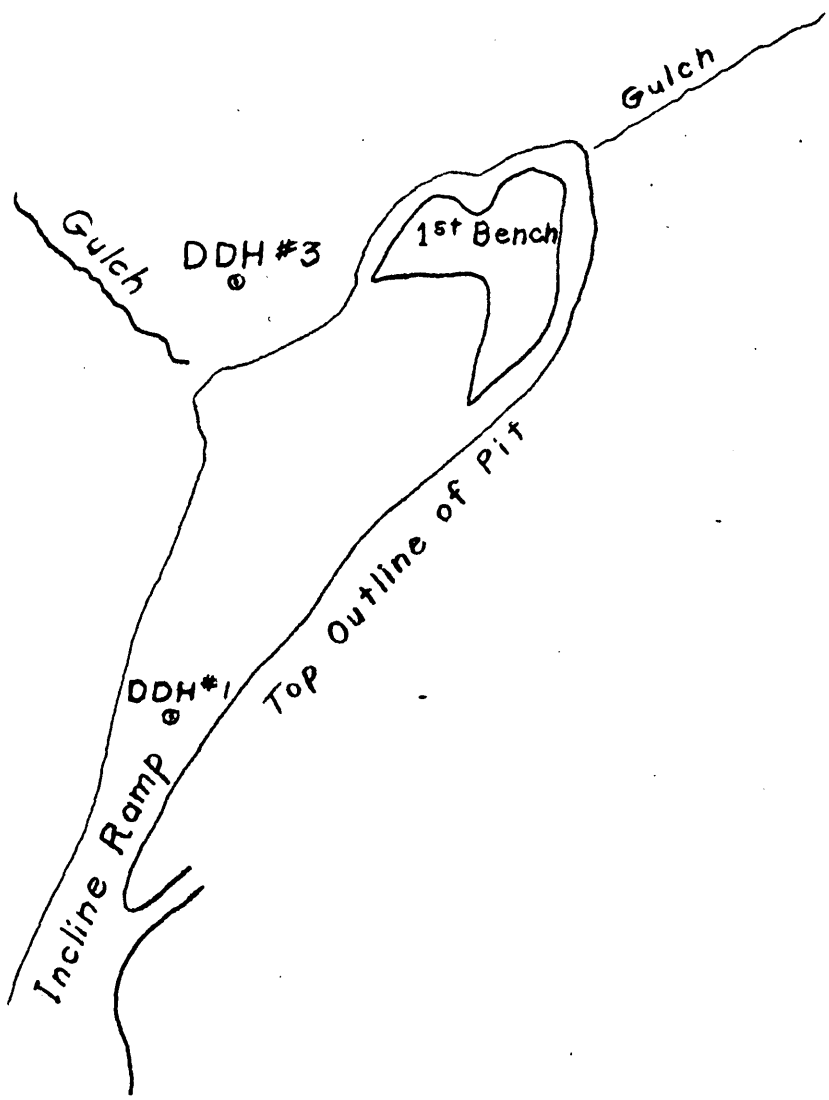
D M E A
RECEIVED JUN 1957
DATE | CODE



Cook Prospect
Contract No Idm
-E 1058

Scale 80'=1"

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RECEIVED JUN 17 1957

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

May 6, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 27 1957

DATE	INITIALS	CODE
5/27	C	220
"	Com	100
5/28	WSM	400

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA-4480 (manganese), Pioneer Corporation of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

The project was visited May 3, accompanied by Howard Mallow. The previous visit was March 29.

Two buildings have been erected at the site for use as toolsheds, etc., one 10½ feet by 8 feet and the other 12 feet by 7 feet.

The activity during the interim consisted of negotiating a diamond drilling contract. Mr. Mallow stated that a contract had been signed with Morehead and Leaf, Spokane, Washington. The drilling crew is expected shortly and hole No. 1 has been located approximately at the spot shown on the DMEA examination map.

The Operator has started drifting at the pit floor. The heading is to be 8 feet by 10 feet because an Eimco 104 Overshot Crawler Loader is to be used to lift and transport the broken muck from face to portal for the first 200 feet at least.

The first heading round on the pit floor broke into limestone, which on first examination appears to be massive and in place rather than a boulder as found previously in the pit. Mr. Mallow stated that they will now build a ramp to transport the loader to a higher elevation and begin the drift about 20 feet above the pit floor.

Status of the contract is given on the attached sheet.

John A. Bowsher

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher

Contract No. Idm-E1058

Contract date: January 29, 1957
Termination date: July 29, 1957
Contract amount: $21,580.00
Amount spent: 500.00

Interim inspection: 5/3/57
Interim report: 3/29-5/3/57

	Authorized	Completed	Mar. '57 Vouchered
Compressor house & tool shed	$500.00	$500.00	$500.00
Drift and/or crosscut	500 ft.		
Timbering	300 ft.		
Long hole drilling	1000 ft.		
Bulldozing	8 hrs.		
Diamond drilling	600 ft.		
Cementing, etc.	200 ft.		
Core boxes	14		
Assaying & sampling	150 samples		
Cons. Engr. & Geol.	15 days		

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RECEIVED MAY 27 1957

DATE	INITIALS	CODE
5/28	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

April 9, 1957

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RECEIVED APR 18 1957

DATE	INITIALS	CODE
4/18	C	220
"	Com	100
4/19	WSM	400

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA-4480 (manganese), Pioneer Corporation of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

The project was visited March 29 but the pit was inaccessible because of snow and ice covered road. The previous visit was February 28.

I conferred with Messrs. Howard Mallow and Merl Crisman at the mill on Cramer Creek. Mr. Mallow reported that the tool sheds had been erected at the pit. He also stated that core drilling contractors had visited the area to inspect the ground and facilities prior to submitting bids.

John A. Bowsher

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher

4480

ACTION ON INTERIM [illegible] REPORT

Date 3/23

Referred to:

~~1. Mr. Bowsher~~

~~2. Mr. Connor~~

~~3. Mr. Chambers~~

~~4. Docket Control Mail and Files Division~~

~~5. Docket Control Mail and Files~~

7.400

Write comments in report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

D STATES
OF THE INTERIOR
LORATION ADMINISTRATION
TON 25, D. C.

Division St.
2, Washington

h 4, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957

DATE	INITIALS	CODE
3/23	C	220
/25	Com	100
3/26	WSM	400

ion I, Northwest ~~District~~

ing Engineer, Bureau of Mines

et No. DMEA-4480 (manganese),
of Idaho, Cook Prospect, Missoula
tract No. Idm-E1058

s within 1-1/3 miles of the subject
that no one would be at the pit at
to Missoula to confer with the
project the next day.

ill operator, informed me that Mr.
of the company, was in Spokane.
had been done in the pit since the
No. 4 (bottom) bench had been mined prior to January 1, 1957.

The road to the pit has been kept open for ready access in starting the contract.

John A. Bowsher

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher

4480

ACTION ON INTERIM
[illegible] FIELD INSPECTION REPORT

Date 3/23

Referred to:

1. ~~Mr. [illegible]~~
2. ~~Mr. [illegible]~~
3. ~~Mr. [illegible]~~
4. ~~Market Control Mails and Rates Division~~
5. ~~Market Control Mails and Rates Division~~

7.400

The [illegible] is requested to report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

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

1201 N. Division St.
Spokane 2, Washington

March 4, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957

DATE	INITIALS	CODE
3/23	C	220
25	Com	100
3/26	WSM	400

MEMORANDUM

To: DMEA Field Team, Region I, Northwest ~~District~~

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA-4480 (manganese), Pioneer Corporation of Idaho, Cook Prospect, Missoula County, Montana, Contract No. Idm-E1058

On February 28 I was within 1-1/3 miles of the subject project site at 6 p.m. Knowing that no one would be at the pit at that time of day I continued on to Missoula to confer with the Operator and then return to the project the next day.

Mr. Merl Crisman, mill operator, informed me that Mr. J. S. (Pete) Barrett, president of the company, was in Spokane. Mr. Crisman stated that no work had been done in the pit since the No. 4 (bottom) bench had been mined prior to January 1, 1957.

The road to the pit has been kept open for ready access in starting the contract.

John A. Bowsher

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Bowsher

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

FINAL REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED MAR 27 1958

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1957 Docket No. DMEA 4480 Contract No. IDME - 1058
Operator's Name PIONEER CORP. Minerals Mn
Address 711 Spokane & Eastern Bldg., Spokane, Washington
Contract Amount, $ 21,580.00 Government Participation: 75 % Amount, $ 16,185.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling Core	0	$3,000.00	$3,000.00		3,000.00	3,000.00
~~Bulldozing~~ Prep. Drill Site	0	80.00	80.00		80.00	80.00
~~Crosscutting~~ Casing	0	400.00	400.00		400.00	400.00
~~Drifting~~ Core Boxes	0	50.00	50.00		50.00	50.00
Cons. Eng. & Geog.	50	200.00	250.00	50.00	200.00	250.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Assaying	0	12.00	12.00		12.00	12.00
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	500.00		500.00	500.00	—	500.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$550.00	$3,742.00	$4,292.00	550.00	3,742.00	4292.00

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

Date 11-1-57 *Payee PIONEER CORPORATION OF IDAHO

Per Carl L. Mikelsen Title Secretary

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

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

(Instructions on reverse)

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

$ 247.48

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 3/21/58 Vou. No. 2140
(See other side)

$412.50
Less Royalties 165.02
Refund $247.48

1 copy 1099
Sent to Wash. 3/7/58

(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-1058 in accordance with the terms of the contract.

Signature /s/ Stephen W. Zoldak Title Mining Engr. Date 1-27-58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Wing G. Agnew Title Acting Exec. Date 2-28-58

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.

-104A
(62)

FINAL REPORT

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1957 Docket No. DMEA 4480 Contract No. IDME - 1058
Operator's Name Pioneer Corporation of Idaho Minerals Manganese
Address 711 Spokane and Eastern Bldg., Spokane, Wash.

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)	ft.	0	0	0	0		500	27.00
Crosscutting)	ft.	0	0	0	0			
~~Raising~~ Timbering	ft.	0	0	0	0		300	6.60
~~Shafts~~ L.H.Drilling	ft.	0	0	0	0		1000	1.00
~~Winzes~~ Prep.Drill Site	hrs	0	0	80.00	8		8	10.00
Drilling: Core	ft.	0	0	3,000.00	600		600	5.00
~~Churn~~ Casing	ft.	0	0	400.00	200		200	2.00
~~Auger~~ Core Boxes	ea.	0	0	50.00	10		14	5.00
~~Stripping~~ Assays	ea.	0	0	12.00	6		150	2.00
Trenching								
Test Pits								
Roads and Trails								
Cons.& Geog.& Eng.	Day	50.00	1	250.00	5		15	50.00
TOTAL DISTRIBUTED COSTS		50.00	1	3,792.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		500.00		500.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		550.00		4,292.00				

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 11-1-57 Operator PIONEER CORPORATION OF IDAHO

Per Carl L. Nicholson Title Secretary

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

(Instructions on reverse)

(For Government use only)

Additional copy of Form 104A, 2 copies Form 104, are being retained pending final audit.

WBM

INSTRUCTIONS

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

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

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

GPO 872894

1201 N. Division St.
Spokane 2, Washington

March 17, 1958

Mrs. Dorothy Long, Certifying Officer
DMEA Field Team, Region I
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-4480 (Manganese)
Pioneer Corporation of Idaho
Missoula County, Montana
Contract No. Idm-21058

Dear Mrs. Long:

The project work under the referenced contract was terminated by mutual agreement, effective July 16, 1957. All the work performed was completed to the satisfaction of the Government.

The Government claims no equity in property or equipment used at the project.

Certification of Discovery or Development will not be recommended by the Field Team.

A final Report of Review dated March 3, 1958 by DMEA Auditor C. A. Turner has been received.

As all contract requirements have been met, it is requested that final settlement of our account with the Operator be made.

Sincerely yours,

A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region I

cc: DMEA (2)
USGS (2)
Contract Admin. & Audit Div. (2)
Docket

Standard Form No. 1034 a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

MAR 27 1958

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. 40

Bu. Vou. No. 2140

U. S. _____
(Department, bureau, or establishment)

Voucher prepared at Spokane, Washington 3/21/58
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E1058

To Pioneer Corporation of Idaho
(Payee)

711 Spokane & Eastern Bldg., Spokane 1, Washington
(Address) (City) (State)

PAID BY

(For use of Paying Office)

WSM

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	July 1957	As per attached certified Form MF-104 dated November 1, 1957				247	48
	June 1957	Balance withheld when paying Voucher No. 2011 dated August 1, 1957				150	00
PAYMENT: Complete ☐ Partial ☐ Final ☐		FINAL PAYMENT					
		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 397 48

(Payee must NOT use this space)

Differences _____

Account verified; correct for 397 48

(Signature or initials) D. L.

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ / Cash, $_____, on _____, 19____. } on Treasurer of the United States in favor of payee named above.

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

☆ U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

DMEA Field Team, Region I August 1, 1957

DMEA Certifying Officer, Region I

Contract No. Idm-M1058
Monthly operating report for June 1957

The subject monthly operating report has been processed and forwarded to the Disbursing Officer for payment.

A deletion of $20.00 has been made for 4 core boxes at $5.00 each claimed by the Operator. The inspecting engineer stated on his last inspection July 1, the total number of boxes accountable containing core was 10 rather than 14 core boxes.

We are withholding an amount of $150.00 pending receipt of a final audit by a representative of the Contract Administration and Audit Division of Defense Minerals Exploration Administration. This is the customary procedure and is applicable to all contracts.

Dorothy F. Long

cc: DMEA (2)
USGS (2)
Contract Admin. (2)

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8/6	WSM	400

June 15

Contract Admin. (2)

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

PLEASE NOTE CHANGE OF ADDRESS; SEND CHECK TO

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

JUL 15 REC'D

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1957 Docket No. DME-1480 Contract No. DMA-21856
Operator's Name Pioneer Corporation of Idaho Minerals Manganese
Address 711 Spokane & Eastern Bldg., Spokane 1, Wash.
Contract Amount, $ 21,580.00 Government Participation: 75 % Amount, $ 16,185.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	$1945.00	$1055.00	$3000.00	1945.00	1055.00	3000.00
Bulldozing prep. Dr. sits	0	80.00	80.00		80.00	80.00
Casing	76.00	324.00	400.00	76.00	324.00	400.00
Core boxes	50.00	20.00	70.00	30.00	20.00	50.00
Cons. Eng'g. & Geol.	200.00	0	200.00	200.00	—	200.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Assays	12.00	0	12.00	12.00	—	12.00
(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	$2283.00	$1479.00	$3762.00	2263.00	1479.00	3742.00

RECEIVED AUG 5 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7/31/57 *Payee Pioneer Corporation of Idaho

Per _____ Title Pres.

*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:

$ 1547.25

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 8/1/57 Vou. No. 2011
(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 1058 in accordance with the terms of the contract.

Signature 1s/ John A. Lowsher Title Mining Engr. Date July 16, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1s/ A. E. Weissenborn Title Exec. Officer Date July 24, 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

PLEASE NOTE CHANGE OF ADDRESS

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

JUL 15 REC'D

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1957 Docket No. DMEA 4420 Contract No. [illegible]-13058

Operator's Name Pioneer Corporation of Idaho Minerals Manganese

Address 711 Spokane & Eastern Bldg., Spokane 1, Wash.

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	ft	0	0	0	0		500	$27.00
Crosscutting								
Timbering	ft	0	0	0	0		300	6.60
L.H. Drilling	ft	0	0	0	0		1000	1.00
Prep. Dr. site	hrs.	0	0	$ 80.0	8		8	10.00
Drilling: Core	ft	$ 1945.00	389	$3000.00	600		600	5.00
Casing	ft	76.00	38	400.00	200		200	2.00
Core boxes	ea.	50.00	10	70.00	14		14	5.00
Assays	ea.	12.00	6	12.00	6		150	2.00
Trenching								
Test Pits								
Roads and Trails								
Cons. Eng'g. & Geol.	day	200.00	4	200.00	4		15	50.00
TOTAL DISTRIBUTED COSTS		$2283.00		$ 3762.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2283.00		$ 3762.00				

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 7/11/57 Operator Pioneer Corporation of Idaho

Per _____ Title President

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

(Instructions on reverse)

(For Government use only)

/s/ John A. Brooker
Mining Engr. 7/16/57

RECEIVED AUG 5 1957 D.M.E.A.

INSTRUCTIONS

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

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

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

GPO 872894

Pioneer Corporation
~~BOX 898~~ KELLOGG, IDAHO
711 Spokane Eastern Bldg
Spokane 1, Wash

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE

JUL 15 REC'D

7/11/57

NARRATIVE - June 1957

The month of June saw the completion of the drilling program and the results are logged on the attached sheets as supplied by our Mr. S.J.Giulio.

The geological formation was such that not very satisfactory cores were obtained, but there was sufficient recovery of cores and sludge to indicate that no appreciable manganese ore was present.

After considerable careful study, it was decided to abandon any further exploration by drilling or drifting.

The drilling contractor, who bid $6.00/ft, incl. casing, reaming & cementing, lost considerable money on the job. It is felt that these contractors, Morehead & Leaf, of Spokane, Wash., did a very commendable job, especially in view of the type of native soil and rock through which they had to drill.

An amendment was submitted to somewhat change the original drilling program, but this did not change the originally allotted number of feet of depth.

J H Barrett

COPY

PIONEER CORPORATION: Drill Hole No. 3

151' Vertical

JUL 15 REC'D

0' To 25'	Sludge Only (sand): Tr of Mn Limestone	
25' To 30'	Core Recovery App 20% Shows Mn Tr & Fe Oxidation	
30' To 70'	Limestone Sandy-sludge only. Light colored	
70' To 88'	Sludge Only (Sandy). Dark Drillings. No Core	SAMPLE NO. 5
88' To 90'	90% App Core Recovery Limestone	
90' To 95'	Slimy sludge with some broken limestone fragments. Shows Mn	SAMPLE NO. 6
95' To 103'	Limestone-90% Recovery	
103' To 108'	Light colord slimy sludge	
108' To 115'	Poor recovery -Shows some Fe stain.	
115' To 118'	Light Sandy Sludge only	
118' To 120'	Showing some Mn Tr and Iron stain.	
120' To 151'	Intermittent sludge(sandy) and broken core fragments. Limestone.	

ORIGINAL FILE COPY
DMRA
RECEIVED
1957

JUL 15 REC'

PIONEER CORPORATION: Dril Hole No. 4

200' 60° S 60° E

0'	To	4'	Limestone-Some fracturing Recovery App 50%	
4'	To	6'	Brecciated Limestone-Some FeO 25% Recovery	
6'	To	11'	80% Recovery-Limestone-Traces of Mn	
11'	To	13'	Limestone-Traces of Mn 50% App Recovery	
13'	To	23'	Sand-sludge only	
23'	To	38'	Sand-sludge only	
38'	To	46'	App 45% Recovery- Mn Showing with Fe oxidation.	SAMPLE NO. 1
46'	To	48'	100% Core Recovery-Mn showing-Much oxidation	SAMPLE NO. 2
48'	To	53'	App 25% Recovery. Mn Traces Fe Oxidation	
53'	To	57'	Sandy Sludge & Broken Core Recovery ? Mn present	SAMPLE NO. 3
57'	To	59'	Broken Limestone Mn Traces App Core Recovery 85%	
59'	To	65'	App 95% Recovery-Limestone with Brecciated fragments.	
65'	To	69'	Sandy Sludge Only. Some Mn apparent. Fe Ox	SAMPLE NO. 4
69'	To	155'	Recovery incomplete. Alternate broken core & Sandy Sludge.	
155'	To	200'	Low recovery-mostly sludge with some core sections. Lost Water At 192'. Some Fe Oxidation with possible Mn traces?	

JUL 15 REC'D

PIONEER CORPORATION: Drill Hole #5

~~85'~~ 90' Vertical

Drilling in limestone for complete distance. Lost water at 77'. Core intermittently good with occasional sandy-sludge sections and fragmentation. No manganese showing. Some Fe Oxidization.

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 1957

DATE		CODE
6/25	C	220
6/25	RC	800
		400

1201 N. Division St.
Spokane 2, Washington

June 21, 1957

Pioneer Corporation of Idaho
P. O. Box 74
Missoula, Montana

Re: Docket No. DMEA 4480 (manganese)
Contract Idm-21058
Monthly operating report for
April and May 1957

Gentlemen:

The subject operating report has been processed and forwarded to the Disbursing Officer for payment.

Amounts deleted are explained in the attached copy of a memorandum to the Field Team from the Certifying Officer, Region I.

By Field Team, Region I, NW District

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (2)

cc: DMTV (S)

DMEA Field Team, Region I, NW District June 21, 1957

DMEA Certifying Officer, Region I

Contract Idm-E1058, Pioneer Corporation of Idaho
Monthly operating report for April and May 1957

The subject operating report for April and May 1957 has been processed and forwarded to the Disbursing Officer for payment.

We have deleted the 2 days claimed for Consulting Engineer and Geologist in the amount of $100.00. This item must be supported by an invoice from the Consulting Engineer. Upon receipt of an invoice from Mr. Giullio showing the days worked, we will reinstate this item.

We are deleting the $500.00 paid on Voucher No. 1966, dated April 11, 1957 for compressor house and tool shed. This building was for drifting which the Operator evidently does not plan to do. In the event drifting is done, this amount may be reinstated.

Dorothy F. Long

cc: Operator
USGS (2)
AD
JAB

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 25 1957
DATE | INITIALS | CODE

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 6-27

REFERRED TO:

1. ~~[illegible]~~
2. 800
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS:

Operator gripes about DMEA allowable costs.

Check (X) before the items needing attention.

E1058 - DMEA - 4480
PIONEER CORP.

C
Initials of sender.

GPO 16—63815-1

No action under F.T. order
[illegible] recommendations
GKC

Form MF [illegible] (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Idn E-1058

Month of 8 Apr. & May 7 195 4480 Docket No. DMEA Contract Manganese

Operator's Name Pioneer Corp. of Idaho P.O. Box 76 Missoula, Mont. Minerals

Address ~~711 Spokane & Eastern Bldg., Spokane, Wn.~~ 75 16,185.00

Contract Amount, $21,580.00 Government Participation: ____% Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Form: Core	1055.00	0	$1055.00	1055.00	—	1055.00
Drilling: Prep D.D. Site	80.00	0	80.00	80.00	—	80.00
Bulldozing: Casing	324.00	0	324.00	324.00	—	324.00
Crosscutting: Core boxes	20.00	0	20.00	20.00	—	20.00
Drifting						
(2) Labor and Supervision: Cops, ENG'G. Geol.	100.00	0	100.00			
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	0	$500.00	500.00			
(6) New Bldgs., Improvements, etc.				500.00	500.00	—
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1579.00	$ 500.00	$2079.00	979.00	500.00	1479.00

RECEIVED JUN 22 1957 D.M.E.A.

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

Date 6/6/57 *Payee Pioneer Corp. of Idaho

Per J.S. Barrett Title J.S.Barrett Pres.

*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:

$ 734.25

Signature Dorothy F. Long (Authorized Certifying Officer)

Date 6/21/57 Vou. No. 1995

(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. E1058 in accordance with the terms of the contract.

Signature /s/ John A. Lowden Title Mining Engr. Date 6/12/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date 6/18/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-[illegible]A
(April 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Apr. May 1957 Docket No. DMEA 9980 Contract No. IDM-E1058
Operator's Name Pioneer Corp. of Idaho Minerals MANGANESE
Address 711 Spokane & Eastern Bldg, Spokane 1, Wash

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	ft.		0		0		500	27.00
Crosscutting			0		0		~~500~~	~~6.60~~
Raising Timbering	ft.		0		0		300	6.60
Shafts L.H. Drilling	ft.	80.00	0		0		1000	1.00
Winzes Prep. Dam Dr. Site	hrs	80.00	8	80.00	8		8	10.00
Drilling: Core	ft.	1055.00	211	1055.00	211		600	5.00
Churn Casing	ft.	324.00	162	324.00	162		200	2.00
Auger Core boxes	ea.	20.00	4	20.00	4		14	5.00
Stripping Assays	ea		0		0		150	2.00
Trenching								
Test Pits								
Roads and Trails								
Eng. & Cons.	day	100.00	2	100.00	2		15	30.00
Total Distributed Costs		1579		1579.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Camp House Shed				500.00				
Total Costs		$1579.00		$2079.00				

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 6/1/57 Operator Pioneer Corp. of Idaho

Per J. Powell Title Pres.

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

(Instructions on reverse)

Remarks:

(For Government use only)

/s/ John A. Powell
Mining Engr., 6/17/57

RECEIVED JUN 27 1957 D.M.E.A.

INSTRUCTIONS

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

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

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

GPO 872894

Pioneer Corporation
KELLOGG, IDAHO

NARRATIVE
PIONEER CORPORATION OF IDAHO
Docket No. 4480 - Contract No. Idm-E1058

During the month of April a fourth bid was obtained which averaged out at about $6.00/ft. (as contrasted to about $10.00/ft bid by other contractors). Morehead & Leaf, N. 5345 Fairmont Place, Spokane, were the contractors and they were awarded the contract; they moved on the job on May 8th and started drilling May 11th.

During April, work was started on the drift but after 12 ft. was temporarily abandoned when they ran into what appeared to be a limestone wall. A 12 ft. long hole was punched into this limestone in the direction of the drift.

Mr. Steve J. Giullio, 838 - 6th St., Helena, Mont., our engineer and geological consultant, staked out the Nos. 1 & 3 Drill holes on two successive trips to the mine site during May. He also set a line to follow for the drift.

After 161 ft. of drilling on Hole #1, it was stopped because of lack of core & sludge and no evidence of manganese; it had to be cased down to the 112' level.

Because of the poor results an application was entered to abandon the No. 2 Hole and start on # 3. Alternate hole sites were requested, but not to exceed the the original 600 ft. allowed. Drilling was actually started on No.3 on May 28th after clearing this with the U.S.G.S. in Spokane.

No more work is planned in the immediate future on the drift, because of lack of funds and because the allowance for this drift is too low. The allowances for all the items on the DMEA Schedule were unrealistically low, with the possible exception of those for Assaying. (in this particular case, the drilling contractor who bid a firm price for the job, will take a bad loss.)

CORE RECOVERY - HOLE # 1 - 5/11 - 5/28/57

DEPTH (ft.)		RECOVERY (ft.)	CONDITION	NO. OF CORE SAMPLES
0 - 34.66	BX	24.6	Purple shale core	17
34.66 - 39.0	BX	3.1	crumbled shale core	4
39.0 - 41.5	BX	1.6	Shale core	2
41.5 - 48.9	AX	2.6	" " "	6
48.9 - 50.9	AX	.5	Crumbly shale	1
50.9 - 80.0	AX	1.4	Sandy sludge & dry water course	2
80.0 -104.0	AX	0	No recovery - lost water	
104.0 -120.0	AX	.9	Limestone core	4
120.0 -125.0	AX	0	Trace limestone sludge	
135.0 -161.0	AX	11.9	Limestone cores from boulders	7
		HOLE # 2 5/29/57 to 5/31/57		
0.0 - 5.0	BX	0	Overburden-limey-no recovery	
5.0 - 25.0	BX	7.7	Lime sludge & copper stains	3
25.0 - 30.0	BX	1.3	Limestone core	1
25.0 - 50.0	BX	6.6	Limestone sludge	4
211.0		62.2		41

COPY

RECEIVED

DMEA Field Team, Region I, NW District June 21, 1957

DMEA Certifying Officer, Region I

Contract Idm-E1058, Pioneer Corporation of Idaho
Monthly operating report for April and May 1957

The subject operating report for April and May 1957 has been processed and forwarded to the Disbursing Officer for payment.

We have deleted the 2 days claimed for Consulting Engineer and Geologist in the amount of $100.00. This item must be supported by an invoice from the Consulting Engineer. Upon receipt of an invoice from Mr. Giullio showing the days worked, we will reinstate this item.

We are deleting the $500.00 paid on Voucher No. 1966, dated April 11, 1957 for compressor house and tool shed. This building was for drifting which the Operator evidently does not plan to do. In the event drifting is done, this amount may be reinstated.

Dorothy F. Long

cc: Contract Admin. (2)
AD
JAB

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

APR 8 REC'D

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

Month of March, 1957 Docket No. DMEA 4460 Contract No. Idaho 1058
Operator's Name Pioneer Corporation of Idaho Minerals Manganese
Address P.O. Box 74, Missoula, Montana
Contract Amount, $ 21,580.00 Government Participation: 75 % Amount, $ 16,185.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
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.	$500.00	0	$500.00	500.00	-0-	500.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$500.00	0	$500.00	500.00	-0-	500.00

RECEIVED APR 7 1957 D.M.E.A.

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

Date 4/4/57 *Payee Pioneer Corporation of Idaho

Per [signature] Title Pres.

*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:

$ 375.00

Signature Dorothy T. Long
(Authorized Certifying Officer)

Date 4/11/57 Vou. No. 1966

(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 1058 in accordance with the terms of the contract.

Signature /s/ John A. Bowsher Title Mining Engineer Date April 8, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Executive Officer Date April 10, 1957

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

MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

APR 8 RECD

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 195 7 Docket No. DMEA 1480 Contract No. Idm-S-1058 1053

Operator's Name Pioneer Corporation of Idaho Minerals Manganese

Address P.O.Box 74, Missoula.

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	ft.	0	0	0	0	0	500	$27.00
~~Raising~~ Timbering	ft	0	0	0	0	0	300	6.60
~~Shaft~~ Long Hole Drill.	ft.	0	0	0	0	0	1000	1.00
~~Winze~~ Road & D.D. Sits	hr	0	0	0	0	0	8	10.00
Drilling: Core	ft.	0	0	0	0	0	600	5.00
Cement ~~Chamber~~ Room case.	ft.	0	0	0	0	0	200	2.00
~~Auger~~ Core box	ea.	0	0	0	0	0	14	5.00
~~Sampling~~ Assaying	ea.	0	0	0	0	0	150	2.00
Trenching								
Test Pits								
Roads and Trails								
Cons. Engr. & Geol.	day	0	0	0	0	0	15	50.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Compressor house tool shed		$500.00		$500.00				$500.00
TOTAL COSTS		$500.00		$500.00				$500.00

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: See other side

Date 4/4/57 Operator Pioneer Corp. of Idaho

Per [signature] Title Pres.

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)

1st. John A. Bowsher, Mining Engineer

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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.

NARRATIVE

During the latter part of March when weather permited, pre-fabricated shede were brought in and set in place to be used for a "dry room", tool and core storage and for compressor parts, etc. These two sheds give approx the space mentioned in the DMEA Approval.

Bids for drilling were sought and received from Vivian Bros., Kellogg, Ida.; Boyle Bros., Salt Lake City; R.S.McClintock, Spokane. Vivian Bros. appears to be the best bid in that they will rent us the "rig" $25.00 per 8-hr. shift and will send over a qualified driller @ $2.60/hr. We are to supply a "helper" and water truck. Bits,etc., to be furnished at cost plus 5% "handling charge". Boyle Bros. bid was next most favorable. None of these bids have been accepted as yet, pending more qualified advice.

NARRATIVE

PIONEER CORPORATION OF IDAHO

Docket No. DMEA 4480 Contract No. Idm-E1058

During the latter part of March when weather permitted, prefabricated sheds were brought in and set in place to be used for a "dry room", tool and core storage and for compressor parts, etc. These two sheds give approximately the space mentioned in the DMEA approval.

Bids for drilling were sought and received from Vivian Bros., Kellogg, Idaho; Boyle Bros., Salt Lake City; R. S. McClintock, Spokane. Vivian Bros. appears to be the best bid in that they will rent us the "rig" @ $25.00 per 8-hr. shift and will send over a qualified driller @ $2.60/hr. We are to supply a "helper" and water truck. Bits, etc., to be furnished at cost plus 5% "handling charge". Boyle Bros. bid was next most favorable. None of these bids have been accepted as yet, pending more qualified advice.

EXTRA COPY
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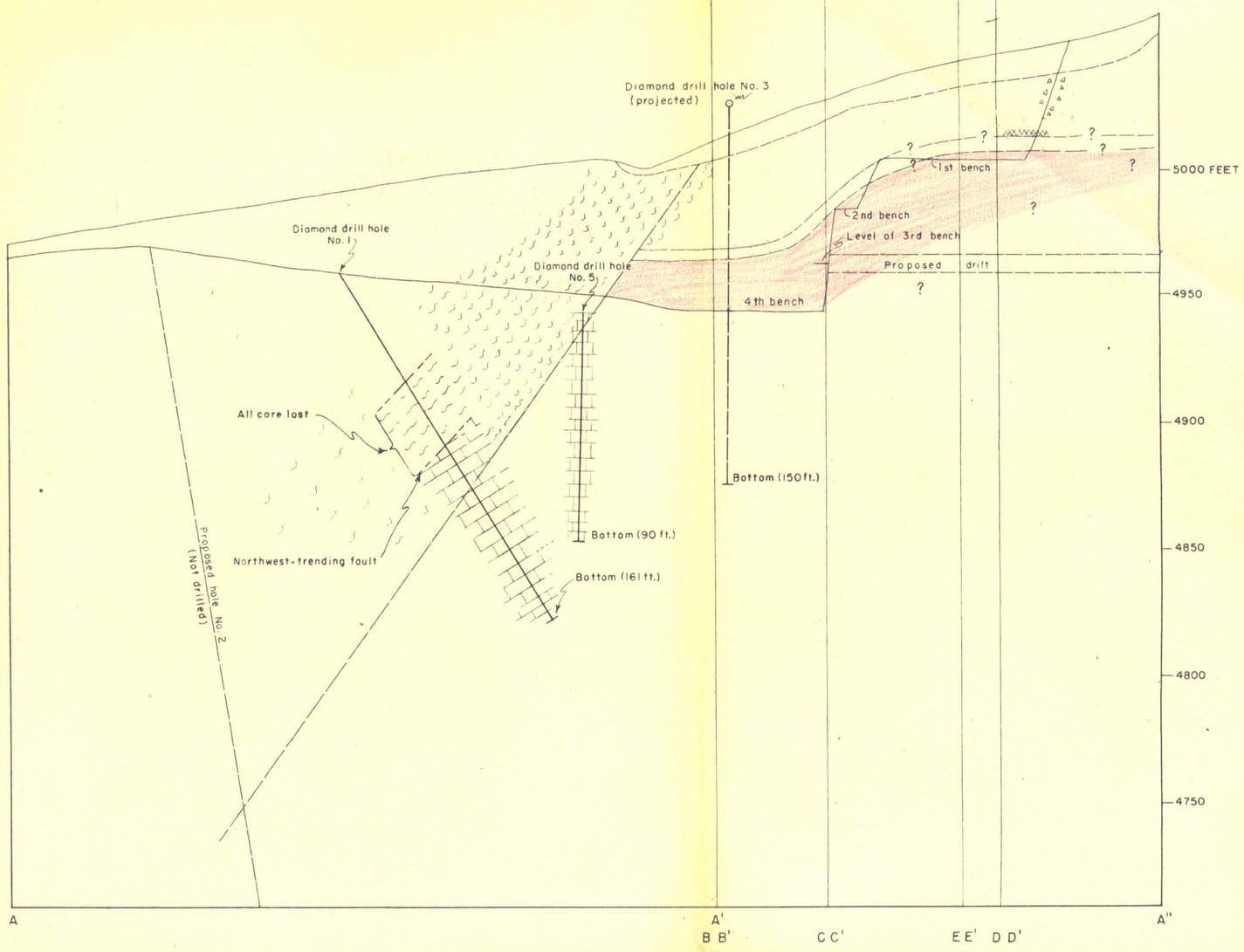
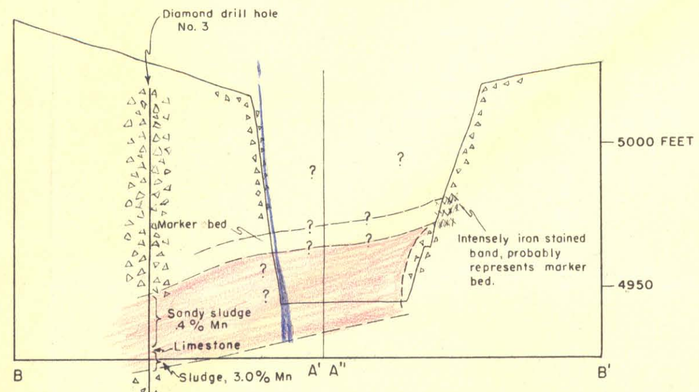
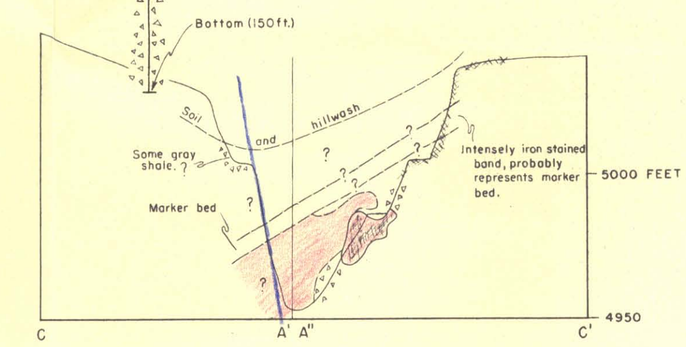
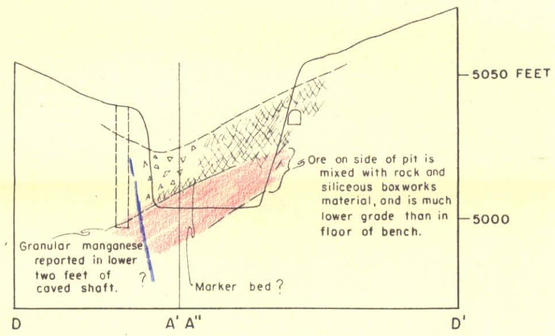
DATE	INITIALS	CODE
4/16	WSM	400

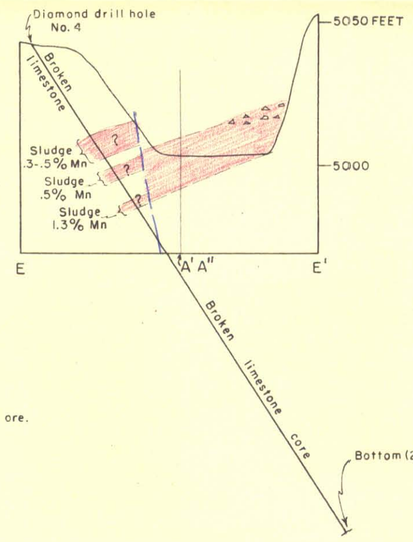
DOE NEW FILE

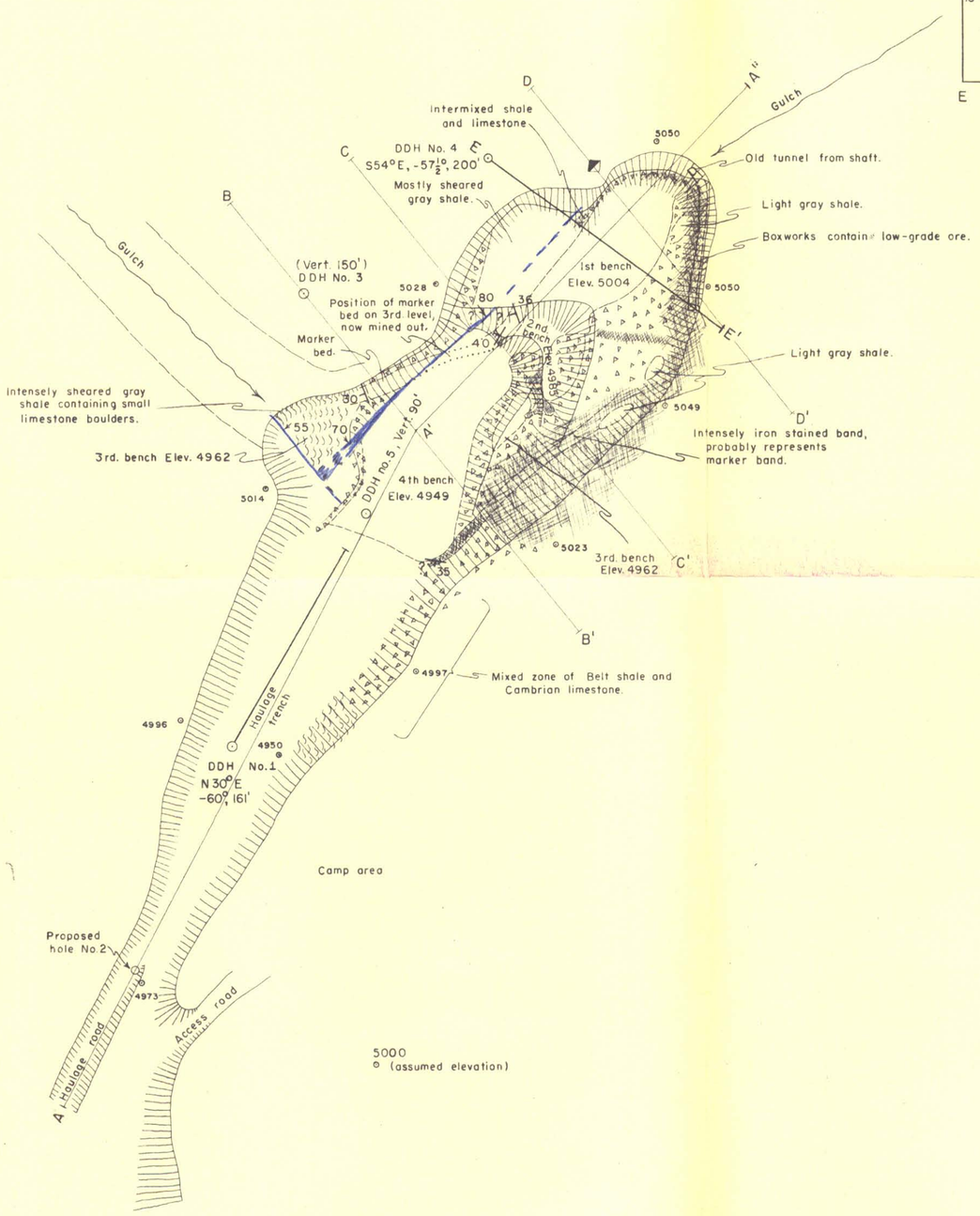






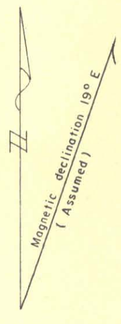






EXPLANATION

- Hill wash and alluvium
- Oxidized manganese ore
- Iron stained silica boxworks
- Cambrian limestone, mostly broken into large blocks
- Light gray shale surrounded by broken Cambrian limestone
- Marker bed in Cambrian limestone; consists of alternating beds of gray shale and limestone
- Precambrian belt shale, slightly to intensely sheared, pinkish purple in color
- Contact approximately located; dashed where inferred, dotted where removed
- Fault showing dip (55)
- Sheared rock
- Strike and dip of bedding (40)
- Collar of caved shaft
- Open pit showing extent of sloping walls



GEOLOGIC MAP AND CROSS SECTIONS OF THE
COOK PROSPECT
MISSOULA COUNTY, MONTANA
Pioneer Corporation of Idaho

0 40 80 120 FEET

July 1957

PLATE I

Mapped by Tape and Compass methods by
D. M. Pinckney USGS, and J. A. Bowsher USBM
Oct. 5 1956