DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 5002

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

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

April 30, 1958

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New Application (Manganese-Copper)
John Medvit & Chris Doyle
Night Hawk
Silver Bow County, Montana

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application for DMEA aid to explore for manganese and copper in Silver Bow County, Montana. Only one copy each of the supporting data was received. Thermofax copies have been made to go with the other copies of the application.

The applicant proposes to explore by sinking a vertical shaft to cut a vein at a depth of approximately 250 feet and by drifting on the vein a total of 300 feet at an estimated cost of $71,177.60.

Our field men are now in the Butte area and if possible we will have them examine the property on this trip.

The applicant has indicated the claim location on a U. S. Geological Survey topographic sheet. In order to facilitate preparation of a report we are keeping this map but will forward it with the report.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: USBM (2)
Prinz

Form MF-103
Revised Oct. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

DEFENSE MINERALS EXPLORATION ADMINISTRATION

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

MAY 5

RECEIVED
APR 30 1958
U. S. G. S.
SPOKANE, WASH.

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

John Medvit
732 North Street
Walkerville, Montana

Chris Doyle
740 Empire Street
Butte, Montana

APPLICANT NOT TO USE THIS BLOCK

Docket Number	DMEA-5002
Date Received	5-5-58
Government Participation %	
Region	I
Division Code	400

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [ ]
- Partnership [X]
- Other (Specify) [ ]

State in which firm is organized: Montana

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
John Medvit	732 North Street	Walkerville, Mont
Chris Doyle	740 Empire street	Butte, Montana

Mineral(s) for which you wish to explore: Manganese & copper

Estimated Cost of Project: $ 71,177.60

LOCATION OF PROPERTY

Name	County	State
Night Hawk	Silver Bow	Montana

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Revised, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

April 29, 1958
Dated

John L Medvit
Chris Doyle
BY (Signature)

Title
Lessees

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

Note – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. *(a)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Revised.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 25960

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1. Applicants Property Rights

(a) The property a patented claim known as the Night Hawk, lies in the N E ¼ Sec. T3N, R8W in the Summit Valley Mining District (Butte) in Silver Bow County, Montana. A claim map of the properties under lease and surrounding mining claims are attached and marked ~~(A) and~~ (B). The patent number ~~of the~~ Night Hawk claim is 10727, Survey No. 1190, Lot 321. The adjoining claim to the south of the Night Hawk is the Gregory. The patent number of the Gregory is 15698, Survey No. 1819, Lot No. 471. In the event that property development on the Gregory claim cannot be used to the advantage in exploring the manganese vein on the Night Hawk claim upon recommendation or mutual agreement with the D.M.E.A. representative at the time of his examination then the Gregory claim should be relinguished of any Government lein for royalty payments.

(b) The property containing the manganese vein is known as the Night Hawk Mining claim. The adjoining property also under control of the lessees and lying to the south of the Night Hawk claim is known as the Gregory. These two claims are layed out on the Butte special topographic map attached and marked (B).

(c) Our interest in this property is under a partnership lease. We the lessees are known as follows:

1. John L. Medvit
   732 North Street
   Walkerville, Montana

2. Chris Doyle
   740 Empire Street
   Butte, Montana

The lease on the Night Hawk claim with an option to purchase said property was made with: 1.

1: Lucretia G. Fariss
   an undivided 7/8ths interest
   Winston, Salem, North Carolina.
   and
2. Laura A.K. Fennimore
   an undivided 1/8th interest
   Butte, Montana.

A copy of this lease and contract with the lessors is attached and marked (C).

The lease on the Gregory claim has been submitted to the owners for an extension.

(d) There are no other liens, mortgages, or other encuberances on the property.

2 Physical Descriptions

(a) The Night Hawk claim up to the presentddate has not been explored except to make a surface cut and to ship several tons of manganese ore to the domestic manganese plant on the south ortthe city of Butte, Montana which is a G.S.A. stock piling center for the manganese ores. The returns for this test shipment are not as yet known. The Gregory Claim which lies to the south and borders on the Night Hawk Claim contains an old shaft now partially filled in due to a charge set off in the shaft in the year 1924. This shaft sets

on an old silver vein. The property and old workings may be used to advantage in the exploring the manganese vein on the Night Hawk claim upon mutual agreement with the lessees and the D.M.E.A. representative if such is deemed advisable upon the examination of said properties.

(b) The interest of this partnership by John L. Medvit and Chris Doyle are as lessees with option to purchase both properties known as the Night Hawk and Gregorty claims.

(c) The manganese vein on the Night Hawk claim has never been explored. The silver vein on the Gregory claim was explored to a depth of approximately 90 feet previous to 1924, at which time a charge was set off in the shaft, which closed it.

(d) A test shipment of approximately 30 tons of Manganese ore to the G.S.A. stockpile at the domestic Manganese Plant in Butte, Montana was shipped for which there are no returns as yet. This was a surface sample and as such would be wearthered and leached.

(e) The two properties lie on the northern perimeter of the Greater Butte Mining District. The entire area was originally described by Walter Harvey Weed of the U.S. Geological Survey in Professional Paper 74 in the year 1912 and entitled, Geology and Ore Deposits of the Butte District, Montana.

The exposed portion of the vein at the surface stands out on the hanging wall side and forms a prominent escorpment 300 feet in length. The vein trend is east and west and dips approximately 75 to 80 degrees to the south. The vein system in the area and on the property has been outlined in blue pencil on a Butte special topographic map and traced from a map made of the vein system of the entire district by W.H. Weed. The outline of the Night Hawk claim as well as the Gregory claim are superimposed upon the vein system laid out by Weed. The vein sets in granite known geologically as quartz monzonite, or locally as Butte Granite. The granite forms both the hanging and the foot walls of this vein and every vein in the Butte District. The ore would consist of manganese in a vein approximately 4 feet in width.

(f) The vein forms a very prominent outcrop on the hanging wall side. Approximately 30 tons of ore were taken from the weathered surface and shipped to the G.S.A. Stockpile at the Domestic Manganese Plant in Butte. The strike length of the exposed out crop is approximately 300 feet.

(g) The geologic data known as Professional Paper 74 by W.H. Weed 1912, of the U.S. Geological Survey is now out of Print. As a substitute the vein system in the general area has been superimposed on the Butte special topographic sheet. A claim map of the Butte district showing the surrounding claims is submitted. Sincethese maps have been borrowed for the purposes of this project, they should eventually be returned.

3. <u>Accessibility of Project</u>

(a) The property is accessible by county and dirt roads. To aid the D.M.E.A. representative in finding the property which is easily accessible and shown on the Butte special topographic map a contact with the lessees are proposed.

(1) John L. Medvit
732 North Street
Walkerville, Montana
Phone 2-2607

(2) Chris Doyle
740 Empire Street
Butte, Montana
Phone 2 - 4865

(b) The ore can be trucked across town (Butte) from the property workings to the G.S.A. stockpile approximately a distance of 4 miles. All employees would reside in Butte and vicinity, distances in all instances would be less than 4 miles.

The Exploration Project

(a) It is proposed that a vertical shaft be sunk at a point approximately 65 feet from the vein in the hanging wall as shown in sketch marked D. This sketch is a vertical view of the proposed workings in relation to the manganese vein on the Night Hawk claim. The shaft is anticipated to intersect the vein at approximately 250 feet. This shaft would have on inside of timber a size of $4\frac{1}{2}$ X 9 feet, and would also intersect the vein midway in its strike length. It is also proposed that when the shaft intersects the vein estamated to be approximately, at the 250 foot level that a drift in two directions along the strike length, one east the other west each for a distance of 150 feet or a total of 300 feet should be attempted to explore the ore body along its strike length. The size of the drifts inside of timber are estimated to be approximately 5 X 7 feet.

An alternate proposol would be to rehabilitate the old shaft on the Gregory. An initial 50 to 60 feet of shaft sinking would be eliminated merely by taking advantage of a sloping terrane that is a difference in elevation between the outer crop of the manganese vein and the coller of the old shaft. Also approximately 40 feet of shaft from the coller an down is open. Another 50 feet of loose rock now fills in the bottom of this shaft. See sketch marked E.

(b) An maxcess road to the property is already available.

(c) In the event on exploration contract with D.M.E.A. is executed work on the project would commence within 30 days. It is estimated that the shaft sinking would require 6 months and the drifting on the vein 4 months. However because of the nature of the climate and inclement weather an extension of total time of work proposed should be between 12 to 15 months. The rate on shaft sinking would roughly be 2 feet per day a shift. The drifting of 3 feet per shift.

5. **Experience**

The experience of the partnership is listed as follows:

John L. Medvit
17 years of mining & exploration experience

Chris Doyle
36 years of mining & exploration experience

This experience include leasing and exploring other properties. Our last lease consisted of the Scotia Mine west of Butte with which we mined manganese as co-partners and shipped these ores to the G.S.A. stock pile.

6. **Estimate of Costs**

(a(No independent Contracts
(b) Labor for the installation of Building:
(Engine & Compressor) (Buildings)

2 Carperters - 12 days at $21.00 per day - - - - - - - - - - - -	$504.00
2 Carpenters helpers - 12 days at $17.00 per day -*- - - - - -	$428.00
Total -	$932.00

Labor to install hoist
Electricion (10 shifts) at $40.00 per shift ---------- $400.00
Labor to build hoist base 2 men - 2 days at$17.00 per day ------ $ 72.00
Labor to set hoist on base 5 men 3 days at 17.00 per shift ---- $270.00
Total ---------- **$742.00**

Labor to build water tank - 2 days at $17.00 per day ---------- $ 36.00
Labor to install cement & form compressor base
I carpenter - 1 day at $21,00 per day ---------- $ 21.00
4 shifts of labor at $17.00 per day ---------- $ 72.00
Labor to install reciever ----~~1 DAY AT $17.00 per day~~---------- $ 17.00
Total ----------**$146.00**

Labor to install Gallus Frame
1 carpenter 4 days to frame out $21.00 per day ----------$ 84.00
4 men to set up in 4 days at $17.00 per day ---------- $288.00
Total ---------- **$372.00**

Labor costs for sinking shaft 250 feet on an average of 2 feet per day or 125 days $20.00 per day for:

$\frac{15000}{250} = \$60.00/\text{ft.}$

3 miners ---- ---------- $60.00
1 top man ---------- $ 20.00
1 hoist man ---------- $ 20.00
1 supervisor ---------- $ 20.00
Total ----- **per day** ---------- **$120.00**
Total for 125 days ----------**$ 15,000**

Labor to drive 300 feet of drifts at an average of 3 feet per day round in and out or 100 days.

2 miners ---------- $ 40.00
1 top man ---------- $ 20.00
1 hoist man ---------- $ 20.00
1 Supervisor ---------- $ 20.00
Total per day ---------- ----- ----------**$100.00**
Total per 100 days ------- - **$10,000**

Engineer an a helper for one day per month for one year at $40.00 per day an a $20.00 per day respectively $720.00

(c) Operation, materials, and supplies.
Material cost of 5 foot Drift set

Drift set 2 posts 2 girts 1 cap ---------- $ 15.00
2 & 3 inch lagging ---------- $ 10.00
1" pipe & fittings ---------- $ 2.00
2" pipe & fittings ---------- $ 3.50
Fan bag ---------- $ 14.00
Blocks , wedges ---------- $ 2.50
Safty stringers ----------$ 1.00
Rails and Fish plates ----------$ 9.50
Track spikes, ties, & bolts ---------- $ 7.50
Powder ---------- $ 15.00
Fuse ---------- $ 4.50
Caps ---------- $ 1.00
Switch & switch bed ---------- $ 4.75
Bits and Steel ---------- $ 4.00
Total ---------- **$ 94.25**

Total Material Cost for 300 feet of exploration drifting in manganese vein on basis of heavy ground from history of similar mines in area and on a 5 X 7 foot clear heading or a total of 60 sets for $7095.00

Material cost of 5 foot shaft set.

Precut timber - 8 pieces of 10X10"	$125.00
Shaft Ladder	$ 2.80
Hanging rods	$ 12.00
Shaft Washers	$ .40
Powder	$ 16.00
Fuse	$ 4.50
Caps	$ 1.00
Blocks, Wedges	$ 12.50
1" pipe	$ 2.00
2" pipe	$ 3.50
3" pipe	$ 7.00
Fan Bag	$ 14.00
Electric cable	$ 7.50
Guides and lag skrews	$ 9.00
Bits and Steel	$ 4.00
Total	$221.20

Total material cost for 250 foot shaft sinking overall size 10ft. 6 inchby 6 ft. 2 inches -- a total of 50 sets or ---------- $11060.00

11060
1600
12660÷250=
$50.64/ft

Cost of g asoline & power to drive 5 foot drift $24.00 or a total of 60 sets (300 feet of drifting) ---------- $1440.00

Cost of gasoline & power to sink 5 foot of shaft at $32.00 for a total of 50 sets (250 feet of shaft) ---------- $1600.00

(d) Operating equipment use

Used hoist estimate by Butte Machinery	$ 9000.00
Ready mix concreate for base of hoist delivered at $18.00 per yd.	$ 252.00
Compressor used estimate by Butte machinery 315 cubic foot per minute	$4500.00
Model 12 B. Eimco Mucker	$1900.00
2 Jack hammers ------- ----- $545.00 each	$1090.00
1 Jack leg (new)	$ 975.00
Steel (drill)	
2 - 2 ft. 7/8ths hexagon steel	$ 40.00
2 - 3 ft. 7/8ths hexagon steel	$ 44.00
2 - 5 ft. 7/8ths hexagon steel	$ 72.00
12 picks $2.50 each	$ 30.00
12 shovels $4.50 each	$ 54.00
2 Rock hammer	$ 7.00
2 Air hose	$ 100.00

2 Water hoses ---------- $ 60.00

Pumps - Float control
25 hp. single stage used estimate by Butte Machinery ----------0 $ 600.00

Pump starting fittings ---------- $ 100.00

Ventilating fan - Butte Machinery est. ---------- $ 450.00

Mine cars Butte Machinery est. $75.00 each 3 ---------- $ 225.00

Turn sheets - No. 10 c.w.t. .75 lb ---------- $ 100.00

Vechicle - bids attached 4 wheel drive ---------- $ 3550.00

(f) New buildings, fixture, snstallations 12' X 16' compressor building estimated cost for building by Interstate Lumber Co. of Butte, Montana (estimate attached) ---------- $ 423.51

24 X 32' Engine building estimated cost for building by Interstate Lumber Co. of Butte, Montana (estimate attached) $ 917.64

Electic Power line from nearest hook up approximately 1500 feet estimate by Montana Power Co. ----------$- 600.00

Electricol Material

Switch Boxes

a) pump - - - - - - - - - - 100.00
b) bell system - - - - - - - - 45.00
c) lights - - - - - - - 45.00
d) fan - - - - - - - - 75.00
e)charging Boxes - - - - - - - 45.00
f)Breaker box - - - - - - 400.00
g) Wiring - - - - - - - - - 400.00
H) Mine cable - - - - - - - - 800.00

Lamp Charge for 15 lamps ----------$ 450.00

Small tools - saws - hammers - chisle - brace - and -bit etc. ---- $ 400.00
Axes, tools for black smith shop, etc. ----------

Water tank 1,000 gallons ----------$ 200.00

3½' by 7' Air Reciever ---------- $225.00

Gallus Frame Timber 30 feet high (see sketch) out of 10 X 10 timber ~~Tie-rods~~----------0 $ 297.00

Tie rods and Bolts ---------- $ 28.00

Sheave wheel ---------- --$ 150.00

2 Stringer for Gallus Frame ---------- $ 100.00

7 (a-b) Participation by the lessees will consist of Money labor, equipment and material. Material will consist of the following items: Money

(A) 1. timber
2. rails
3. Steel
4. hoses
5. turn sheets
6. 1" - 2" - 3" pipe & fittings
7. air reciever
8. water submarine
9. 300ft. Fan Bag
10. Fish plates & spikes
11. Steel Bits

(B) Equipment will consist of the following item:

1 -- Pick up truck	3550
1 -- Mucking Machine	1900
6 -- Mine Cars	450
2 -- Jack leg Drills	1950
2 -- Jack Hammer Drills	1090
1 -- compressor 165 Cu. Ft.	4500 (315 cu ft)
1 -- Small Mine Hoist	9000
3 -- Sinking Buckets	—
1 -- Fan (small)	450
Picks -- Saws -- Bars-- Hammers -- Shovels -- small tools	

60 | 22940
382/mo.

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DATE CODE

Form 166—5M—4-54

INTERSTATE LUMBER CO.

LUMBER AND BUILDING MATERIALS

ESTIMATE

TO John Medvil

Mens Bunkhouse

24' x 32' Engine Room

Yard Est. No.

Sheet No.

, 19

Material to be used at

Lot Block Addn.

County

City and State

Please examine carefully, as we agree to furnish only the articles and quantities named. Agreements contingent upon Fire, Strikes, Accidents and Delays beyond our control.

Item No.	Pieces	Thk	Wdth	Lgth	Lin. Ft.	GRADE AND DESCRIPTION	Feet	Feet	Price	Amount	Amount
1						**Amounts Brought Forward**					
2	4	6	6	12		Sleepers	144		506		2024
3	4	6	6	16		✓	192		674		2696
4		2	4		350	Plates	233		11750		2738
5	56	2	4	12		Studs 16" o c			93		5208
6	24	2	4	10		Studs ✓ ✓			77		1848
7	22	2	4	8		Studs ✓ ✓			62		1984
8	27	2	6	12		Rafters			132		3564
9	22	2	6	14		✓			154		[illegible]
10	24	2	6	12		Floor Joists (1/2 of Building)			132		316
11	57	2	6	16		Common for Flooring			176		1672
12	34	5/8	4	8		C D Sheathing Plywood Walls			539		18326
13	29	5/8	4	8		C D Sheathing Plywood Roof			539		15631
14	6	Barrels	Tarr		10	"x12" 6 ft P. R.			386		2316
15	6	1	5	12		#2 Com Pine 4 4 Frames			90		540
16	6	1/2	1 3/8	12	72	Bull Nose Stop			525c		378
17	6	1	4	14		#2 Com Pine Casings			102		612
18	6	Pairs				2 x 2 Brass Butts			85		510
19	6	only				Transom Chains			30		180
20	6	only				Casement Fastners			66		396
21	1	1 3/8	22	68		5 x Panel			920		970
22	1	1	5	14		#2 Com Pine 4 4 Frame			105		105
23	1	1	5	4		✓ ✓ ✓ ✓ ✓			30		30
24		1/2	1 3/8		18	B. N. Stops			525		95
25	1	1	4	14		#2 Com Pine 4 4 Casing			87		87
26	1	1	4	4		✓ ✓ ✓ ✓ ✓			25		25
27	19	Rolls				90# Roll Roofing			590		11210
28	50	Lbs				8d Box nails			20		1000
29	50	✓				16d Common nails			19		950
30	1	Weiser Lock				#500 10/26 & 10/26 Key In Knob			709		709
31	1	Pair Butts				3 1/2 x 3 1/2 #825 Bronze			74		74
32											
33											
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36						**Amounts Carried Forward**					91176

For accpetance within ..... days from date hereof, we will furnish the items specified herein, delivered at ..... for the sum of ..... Dollars ($ .....)

to be paid as follows: .....

Accepted ....., 19.....

INTERSTATE LUMBER COMPANY

By .....

Yard Est. No.

Sheet No.

Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Item No.
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This payment is not finally final payment if any is dependent upon recoverability test.

R8-499
(2-57)

GENERAL SERVICES ADMINISTRATION
MANGANESE PURCHASE DEPOT
BUTTE, MONTANA

ACCEPTANCE

DATE	April 25, 1958
ACCEPTANCE NUMBER	1068
ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER	10 - 138
LOT NO.	1
RECEIPT AND WEIGHT TICKET NO.	1 - 2

TO

Mr. John Smith
732 Fort St.
Philipsville, Montana

COPY

26.5179 L/T Nighthawk

Subject to the terms and conditions of the Manganese Regulation, as amended, establishing the Government's Purchase Program for Domestic Manganese Ore at Butte, Montana, the Government accepts 59600 pounds (wet basis) of manganese ore, delivered by you at the Purchase Depot, Butte, Montana, and covered by Receipt No. 1 - 2. Such ore has a moisture content of 1.29% and analyzes on a dry basis as follows:

		PERCENT
MANGANESE (Mn) CONTENT		24.6
WEIGHT	POUNDS	
WET BASIS	59600	
LESS MOISTURE 1.29 %	766	
		L.D.T.
NET DRY BASIS	58834	26.2759

EVALUATION AND SETTLEMENT DATA

(Based upon price schedule for ores)	AMOUNT OF SCHEDULE PAYMENT
$ 19.82 x 26.2759 L.D.T. =	$518.81

MANGANESE OXIDE

(Signature) (Title)
(Name)

GENERAL SERVICES ADMINISTRATION (Signature) Purchasing Agent (Title)
(Name [illegible])

(FOR USE OF PRODUCER ONLY)

INVOICE

TO: GENERAL SERVICES ADMINISTRATION - REGION 8
BLDG. 41, DENVER FEDERAL CENTER, DENVER 2, COLORADO

FOR: MANGANESE ORE delivered as indicated above $ 518.81

I certify that the above bill is correct and just and that payment therefor has not been received. The Producer warrants that said ore was mined in the United States, its Territories or Possessions .

Producer [illegible] Date

By Title

GPO 845044

INTERNATIONAL

CHRYSLER PLYMOUTH

WILSON MOTOR COMPANY

8 South Montana St. BUTTE, MONTANA

JACK WALL
8 South Montana St.

Phone 6571
Home Phone 4140

MURRAY MOTOR CO.

4 Wheel drive Chev ½ ton truck $3669.71

3½ OFFICIAL FILE COPY
DMEA
RECEIVED 5.225.00
DATE

MINING - MILLING - INDUSTRIAL
EQUIPMENT AND SUPPLIES
NEW AND USED

BUTTE MACHINERY CO.

510 EAST ALUMINUM STREET
PHONE 6524

J. E. SHAW
J. O. TAYLOR

BUTTE, MONTANA
April 25, 1958

Mr. John Medvit
Butte, Montana

Dear Sir:

Regarding your recent inquiry, we are happy to give you a quotation on the following items:

1 -	315 Cu. Ft. Diesel Portable Compressor - Used	$4,500.00	Ea.
1 -	125 H.P. - 440 V. Electric Hoist - Used	9,000.00	"
1 -	Set Mine Lamps complete with charger Panel, etc. 12 - 15 lamps	450.00	"
1 -	1/2" x 50' lgth. water hose - coupled	30.00	"
1 -	1" x 50' " Air " "	50.00	"
1 -	2' - 7/8" Hex x 4-1/2" Chisel Steel	20.00	"
1 -	3' " " " " "	22.00	"
1 -	4' " " " " "	24.00	"
1 -	5' " " " " "	36.00	"
1 -	12" x 100' Mine Vent Tube - Coupled	130.00	
1 -	5 H.P. Coppus Electric Blower	450.00	
1 -	25 H.P. Pump - Single Stage - Used	600.00	
1 -	Mine Car	75.00	
16#	or 25# Mine Rail - Used 125.00/ton - New 225.00/ton		
	16# Rail Splices - .50 pr.		
	25# " " - .75 "		
16 -	Lb. Rail Switches	40.00	
25	" " "	55.00	
	Mine Picks - Handled	2.50	
	Shovels	4.50	
	6' Bars	4.50	
	Double Jack Hammers - Handled	3.50	
1 -	Model 75 Thor Sinker	545.00	
1 -	Jackhammer - Used	250.00	
1 -	Model 390 Thor Leg Machine		
	Regular Leg	865.00	
	Telescopic Leg	975.00	
	Steel Bits	.65	
	Shaft Hanger Rods	3.00	
	1" Pipe - New .30/ft. Used - .20/ft.		
	2" " " .55/ft. " .40/ft.		
	3" " " 1.20/ft. " .75/ft.		
	Pipe Hangers	.75	Ea.
	Nails	35.00	Keg
	Electric Cable - for mine shaft	1.50	Ft.

Pump Starting Equipment		100.00
" Float Control		60.00
Electric Sinking Pump		750.00
Turn Sheets	New - 13.50/cwt - Used	7.50/cwt

We thank you for this opportunity to quote and trust that we may be favored with your valued order.

Yours very truly,

BUTTE MACHINERY COMPANY

J. E. Shaw

J. E. Shaw

JES/rt

Form 166—5M—4-54

INTERSTATE LUMBER CO.

LUMBER AND BUILDING MATERIALS

ESTIMATE

TO John Metsch

Mine Building

12' x 16'

Yard Est. No.

Sheet No.

, 19

Material to be used at

Lot Block Addn.

County

City and State

Please examine carefully, as we agree to furnish only the articles and quantities named. Agreements contingent upon Fire, Strikes, Accidents and Delays beyond our control.

Item No.	Pieces	Thk	Wdth	Lgth	Lin. Ft.	GRADE AND DESCRIPTION	Feet	Feet	Price	Amount	Amount
1						**Amounts Brought Forward**					
2	2	6	6	12		Sleepers			506	10.12	
3	2	6	6	16		—			674	13.48	
4		2	4		168	Plates	112		11750	19.16	
5	44	2	4	10		Studs			77	33.88	
6	18	2	4	8		—			62	11.16	
7	13	2	6	14		Rafters			154	20.02	
8	1	4	6	10		Garage Roof Framing			281	2.81	
9	1	4	6	14		—			393	3.93	
10	15	5/8	4	8		C.D. Sheathing Walls			539	80.85	
11	8	5/8	4	8		C.D. Sheathing Plywood Roof			539	43.12	
12	8	Rolls				90# Rolled Roofing			590	47.20	
13	2	Windows				10"x12" 6 lt Brass Locks			286	2.72	
14	2	1	5	12		#2 Pine S4S Frames			90	1.80	
15	2	1/2	1 1/2	12	24	B.M. Stop			525	1.26	
16	2	1	4	16		#2 Pine S4S Casing			102	2.04	
17	2	Pairs				2x2 Brass Butts			85	1.70	
18	2	Only				Transom Chains			30	.60	
19	2		—			Casement Fasteners			66	1.32	
20	1	1 3/8	2 5	6 8		5x Panel Door			720	7.20	
21	1	1	5	14		#2 Common Pine Frame			105	1.05	
22	1	1	5	4		— — — —			30	.30	
23		1/2	1 3/8		18	B.M. Stop			525	9.45	
24	1	1	4	14		#2 Common Pine - Casing			82	.82	
25	1	1	4	4		— — — —			25	.25	
26	1	Wooden Fork				#500 10/26 x 10/26 Hyde Knob			709	7.09	
27	1	Pair				3 1/2 x 3 1/2 #825 Bronze Butts			74	.74	
28	1	Frontz			99 x 76	#219 Garage Door			9275	92.75	
29	25	lbs				8d Box nails			20	.20	
30	35		—			16d Common nails			19	6.65	
31											
32											
33											
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36						**Amounts Carried Forward**					423.57

For accpetance within ..... days from date hereof, we will furnish the items specified herein, delivered at ..... for the sum of ..... Dollars ($ .....)

to be paid as follows: .....

Accepted ....., 19.....

INTERSTATE LUMBER COMPANY

By .....

.....Yard Est. No.....

Sheet No.....

Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Date	Pcs.	Ft.	Amt.	Item No.
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LEASE AND OPTION

THIS INDENTURE made and executed at Butte, Montana, this 1st day of November, 1957, by and between LUCIETTA G. FARISS of Winston-Salem, North Carolina, a widow, and LAURA A. K. FENNIMORE, of Butte, Montana, a widow, Parties of the First Part, LESSORS, and CHRISTIE DOYLE of 740 Empire St., Butte, Montana, and JOHN MEDVIT of 732 North Street, Walkerville, Montana, Parties of the Second Part, LESSEES, WITNESSETH:

THAT, WHEREAS, the said Parties of the First Part are the lawful owners of the Night Hawk Quartz Lode Mining Claim, Survey No. 1190, Lot No. 321, in Section 2, T. 3 N., R. 8 W., M.P.M., Silver Bow County, Montana, in shares as follows:

Lucietta G. Fariss - an undivided 7/8ths interest
Laura A. K. Fennimore, an undivided 1/8th interest,

And, WHEREAS, the Parties of the Second Part are desirous of leasing said Quartz Lode Mining Claim upon a royalty basis, with an option to purchase on the terms and conditions as hereinafter set forth,

NOW THEREFORE, in consideration of the premises, the rentals herein reserved, royalties to be paid, and the due performance by the Parties of the Second Part of the convenants and conditions hereinafter set forth, the said Parties of the First Part have this day leased, demised, and let, and by these presents do lease, demise and let unto the said Parties of the Second Part for the period of five (5) years from date hereof and to and including the 31st day of October, 1962, that certain Quartz Lode Mining Claim, situate in the County of Silver Bow, State of Montana, described as follows:

The Night Hawk Lode Mining Claim, Survey No. 1190, Lot No. 321, Section 2, T. 3 N., R. 8 W., M.P.M., Silver Bow County, Montana;

Together with all and singular the lands, tenements, hereditaments and appurtenances thereunto belonging, or in anywise appertaining.

Upon the following terms and conditions:

That the said Parties of the Second Part shall, on or before thirty (30) days from date hereof, begin prospecting, developing and mining operations upon said premises, and shall thereafter continue such operations, performing and causing to be done at least 24 - 8 hour shifts of work each month throughout the term of this lease;

In relation to the work required to be done and performed upon the

premises as aforesaid, it is agreed that said work may be cumulated over succeeding six month periods; that is to say, that if the said Parties of the Second Part shall do, or cause to be done, more than 144 - 8 hour shifts of work upon said premises in any six month period, said work may be credited on the succeeding six month period, though operations may be suspended during such succeeding six month period, but such additional work over and above 144 - 8 hour shifts of work done and performed in any six month period shall not be credited upon any period after the succeeding six month period wherein said additional work shall have been done and performed and in no event shall the Parties of the Second Part be excused or relieved from doing, or causing to be done, a minimum of 288 - 8 hour shifts in any one year;

The said Parties of the Second Part shall do, or cause to be done, all work upon said premises in a good and minerlike manner, securely timbering and lagging all shafts, drifts, cross-cuts, and other workings wherever necessary to prevent caving and shall keep all timbering in said property in good repair where necessary to secure the ground from caving;

The Parties of the Second Part shall pay all taxes accruing upon said premises and the improvements placed thereon for the year 1958 and thereafter during the entire life of this lease, as assessed by the county assessor of the County of Silver Bow, State of Montana, for any and all purposes, and agree to pay their proper pro-rata share of the metals mine net proceeds tax which may become due to the State of Montana on account of the production and removal of ores from said mining claim during the operation hereunder;

The Parties of the Second Part shall pay all state and federal government assessments in the nature of withholding taxes, social security taxes and assessments, unemployment compensation contributions, and personal income taxes which shall become due from the Parties of the Second Part to the state and federal governments, excluding, however, specifically such income taxes, federal or state, which the Parties of the First Part may be obligated to pay upon their own account, by reason of the royalties or rentals by them received hereunder;

The Parties of the Second Part shall carry workmen's compensation insurance under the laws of the State of Montana upon all persons employed by them in and about said mining claim, as well as upon all persons employed

by them in transporting material and supplies to and from said mining claim, or in transporting ore therefrom other than independent contractors engaged on contract for such purposes;

The Parties of the Second Part shall pay all wages accruing on account of work and labor performed upon said mining claim by their employees and all bills incurred on account of material and supplies furnished to, or used by, them in and about the mining, development and prospecting operations carried on upon said claim or connected therewith, not later than sixty (60) days after said work is done or materials furnished; and said Parties of the Second Part shall suffer no liens or encumbrances to be placed upon or against said mining claim, or any part thereof, on account of work done or materials furnished; that if any mechanic's or materialman's liens are filed against said mining claim, or any improvements thereon, or any attachment or other lien or encumbrance shall be placed thereon, or filed against the same, or any part thereof, on account of any bill or obligation due to any person, firm or corporation, or governmental body, by the Parties of the Second Part, said Parties of the Second Part shall pay and discharge the same within thirty (30) days after such lien may accrue or be filed, or in event said Parties of the Second Part may desire to contest the validity of any such claims, they shall give unto the Parties of the First Part, a good and sufficient bond in such amount as may be sufficient to fully secure the said Parties of the First Part against any such claims upon which any lien or encumbrance may accrue or be filed, which said bond shall be executed by sureties acceptable to the Parties of the First Part; and the said Parties of the Second Part will, at their own expense, contest the validity of any unjust claim with respect to the foregoing without cost or expense to the Parties of the First Part, and with respect to all of the foregoing will hold the said Parties of the First Part harmless;

That the Parties of the Second Part at their own expense will equip said mining claim to the extent deemed necessary by them with such buildings, bins, head frames, hoists, gallows frames, and such items when placed upon said premises, together with all timber placed within the workings thereon shall be deemed to be fixtures appurtenant to the land and shall not thereafter be removed by the Parties of the Second Part upon termination or surrender of this lease;

That otherwise than above provided, such mining tools, cars, machinery, electric generators, engines, hoisting equipment (except head frames), drill sharpeners, blacksmith shop machinery, air compressors, water pumps, water pipes, air pipes, tankage and all other equipment of every kind, nature and description, shall not be deemed fixtures and the same may be removed by the Parties of the Second Part upon the termination of this lease by forfeiture or otherwise;

That the Parties of the Second Part shall at all reasonable times permit the Parties of the First Part and their agents to inspect said mining premises and every part thereof, using for that purpose, without compensation, all hoists, ladderways, cages, cars and other means of ingress and egress owned by or used by the Parties of the Second Part thereon, and will permit the Parties of the First Part at all reasonable times to take such samples as they may desire from any part of the workings in said mine or mines upon said premises, or from any ores removed therefrom placed in bins or upon the dumps upon said premises, with the object and purpose of determining the values thereof;

That the Parties of the Second Part shall fill, or properly protect by fences, or cover over in an adequate manner, all cuts, shafts or openings made by them on the surface of said mining claim in order to prevent persons not in the employ of the Parties of the Second Part, and animals belonging to persons other than the Parties of the Second Part, from falling into the same and being injured thereby; and to such extent or extents, agree to hold the Parties of the First Part harmless from any loss or damage resulting from any negligence on the part of the Parties of the Second Part, or their servants, agents, and employees, with respect to such excavations;

The Parties of the Second Part shall pay to the Parties of the First Part, as rentals for the use and occupancy of said premises, a royalty of 10% upon all ores extracted from said mining claim or removed from the surface thereof; that the royalties so reserved and agreed to be paid hereunder, shall be based upon "net smelter returns"; "net smelter returns" shall be construed to be the gross smelter or mill returns from all ores removed from said premises, less the cost of milling or treating the same, after deducting all railroad freight charges and after deducting, not to exceed $1.50 per ton for the expense of removing said ores from the mine to the railroad;

In case, however, said ores are trucked or hauled from said mine to the mill or smelter treating the same, other than by railroad, the transportation deduction shall be the amount actually charged, not to exceed $5.00 per ton;

All royalties hereby reserved and agreed to be paid by the Parties of the Second Part as rentals, shall be paid at the time and in the manner as follows. All ores removed from the premises hereby leased and shipped to any smelter or mill, shall be shipped in the joint names of the lessors and the lessees and the royalties payable to the lessors shall be paid directly to them by the smelter or mill to which the same are treated in proportion to the ownership of the parties of the First Part, lessors, as appears above herein; [illegible] thereof to Laura G. Farris and 1/[illegible] thereof to Laura L.M. [illegible] and no shipment of ore shall be made except in the joint names of the [illegible] to this lease, except that the lessees of the Second Part, if they [illegible] name and of their bonds in whose name such shipment shall be made, in [illegible] event both the lessors and the lessees shall be [illegible] in the shipment of all ores produced hereunder,

[illegible] of the Second Part expressly agree to furnish to the Parties of the First Part, duplicate smelter sheets or mill sheets showing the amount of all ores from the premises treated in any mill or smelter, no ores shall be removed from the premises except for shipment, temporary storage ores shall be removed from the premises at the point of shipment shall be [illegible] of the lessees of the Second [illegible] agree to preserve for inspection by the lessors of the First Part, all [illegible] of samples taken from any portion of the mining claim, together with [illegible] sheets showing the value of any and all ores sampled;

[illegible] that at the termination of this lease, [illegible] by the Parties of the Second Part [illegible] of the term herein expressed, the Parties of the Second Part will [illegible] peaceable possession of said premises and the whole thereof to the Parties of the First Part;

In consideration of the foregoing lease, the Parties of the First Part agree to sell and by a good and sufficient deed convey unto the Parties of the Second Part, at any time during the continuance of said lease the above mentioned and described premises for the sum of Twenty Thousand and no/100s ($20,000.00) Dollars, which said sum shall be due and payable as follows:

Three Thousand ($3,000.00) Dollars on or before November 1, 1959, and Five Thousand and no/100s ($5,000.00) Dollars on or before November 1, 1960;

Six Thousand and no/100s ($6,000.00) Dollars on or before November 1, 1961; and Six Thousand and no/100s ($6,000.00) Dollars on or before November 1, 1962, it being expressly understood and agreed in connection with each and all of said payments, that all royalties payable under said lease shall be, upon purchase of said mining claims applied upon said purchase price and in reduction thereof as the same accrue; provided, however, in connection with the payment of said royalties and in the application thereof upon said purchase price, that if the said Parties of the Second Part shall fail, either by royalty payments or otherwise, to make said payments when the same become due and payable as hereinbefore provided; that then, and in such case, said lease and option shall automatically terminate and be of no further force or effect, and all royalty and other payments made on the purchase price shall be forfeited to the Parties of the First Part as rentals for the use and occupancy of the premises, and as agreed liquidated damages for the breach hereof.

Time is of the essence of this agreement and a failure on the part of the Parties of the Second Part to make any payments hereunder of any sum when such payments become due and payable hereunder, or to keep and perform any other condition of this lease and option promptly when the duty to keep and perform such condition arises, shall work a forfeiture of said lease and option, provided, however, expressly that if the Parties of the First Part elect to declare a forfeiture of said lease and option, they shall give the Parties of the Second Part thirty (30) days written notice, fully stating the default or breach complained of and describing particularly thereof, and the Parties of the Second Part shall have thirty (30) days after the receipt of such notice in which to remedy any breach or default complained of, notice shall be deemed to have been given if mailed by registered mail, addressed to the Parties of the Second Part, at their last known place of address; a failure on the part of the Parties of the First Part to declare a forfeiture upon any more breaches of the terms of said lease and option shall not be deemed a waiver of their rights to declare a forfeiture upon any subsequent breach or default.

These presents shall be binding upon the executors, administrators, heirs, successors and assigns of the respective parties, and it is expressly agreed that the Parties of the Second Part shall have the privilege of contracting

the mining work to be done upon the said premises or delivering the said mine, or any part thereof, so long as this lease shall be in all respects complied with and the payments hereunder promptly paid in accordance with the express terms and conditions of this contract.

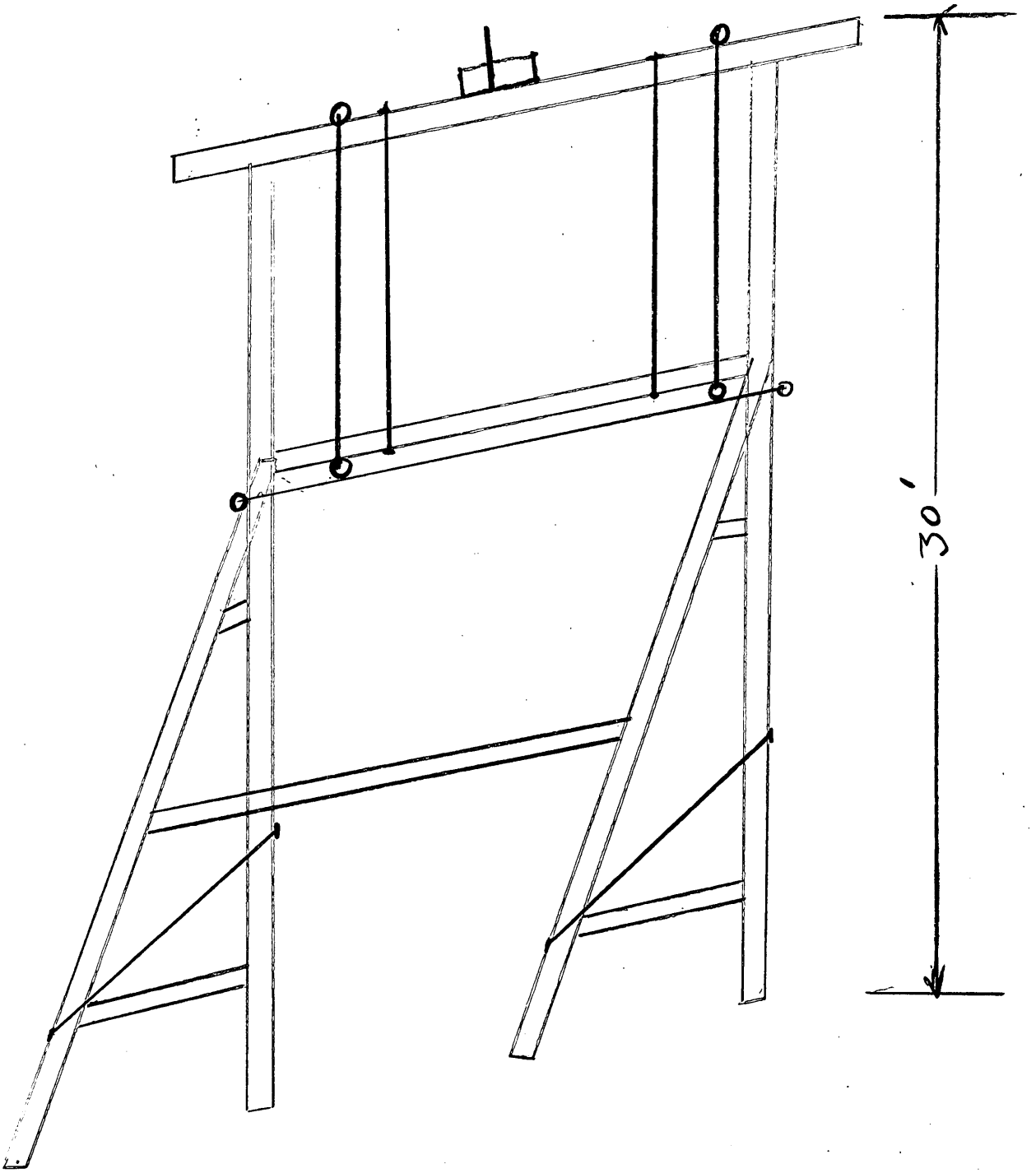
IN WITNESS WHEREOF, the said Parties have hereunto set their hands the day and year in this instrument first above written.

Luretia G. Farris

Laura A. K. Fennimore
PARTIES OF THE FIRST PART
LESSORS

Charles Doyle

John Medlit
PARTIES OF THE SECOND PART
LESSEES



Sketch of Head FRAME

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-20	Ho Cf	400
8-20	Chapman	400
8/21	[illegible]	110
21	[illegible]	100
		120
		220

August 20, 1958

MEMORANDUM

To: Administrator, DMEA

From: Division of Iron and Ferro-Alloys, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $71,177.60
Docket No. DMEA 5002, Manganese-Copper
John Medvit and Chris Doyle
Night Hawk Property
Silver Bow County, Montana

The processing of this application was not completed prior to June 30, 1958, However, had the processing been completed, we would have been unable to recommend a project based on the information available to us in Washington concerning the property.

The above-noted property was the subject of a request dated April 29, 1958, for exploration assistance, at an estimated cost of $71,177.60 for 250 feet of shaft sinking and 300 feet of drifting.

A field examination of the property was made on May 1, 1958, by William C. Prinz, Geological Survey, and John A. Bowsher, Bureau of Mines, accompanied by John Medvit and Chris Doyle, the applicants. The property was again visited on May 14, 1958, by Bowsher and again on May 29, 1958, by Prinz and Bowsher.

Applicant:

John Medvit
732 North Street
Walkerville, Montana

Chris Doyle
740 Empire Street
Butte, Montana

Property Ownership: The applicants hold a Lease and Option on the Night Hawk lode mining claim from Lucretia G. Fariss, Winstom-Salem, North Carolina, and Laura A. K. Fennimore, Butte, Montana.

The Night Hawk is a patented lode mining claim, Survey No. 1190, Lot No. 321, situated in section 2, T. 3 N., R. 8 W., M. P. M. Silver Bow County, Montana.

Geology: The area covered by the Night Hawk claim belongs to the outer periphery of the Butte District, with veins in acidic igneous rocks in the Boulder batholith.

The minerals occurring in this area are manganese and silver. The vein on the Night Hawk claim outcrops over a length of about 550 feet and is composed of white to maroon quartz with blobs of pyrolusite and psilomelane. Little or no copper has ever been found in the peripheral zone.

Ore Values and Tonnage:

26 long dry tons of ore were shipped from one blob which assayed 24.6 percent manganese.

Three samples were taken along vein outcrop and gave the following results:

Sample No.	Width Ft.	Manganese %	Copper %
846	2.0	31.66	0.016
847	4.0	11.74	0.020
848	4.0	17.08	0.024

No tonnage of ore can be measured or is indicated or inferred. As the balance of the vein is mainly quartz, it would run high in silica.

Evaluating from properties in the same zone, the indications are that there is little possibility of finding any significant orebodies.

Development:

Outside of surface pits and cuts the main work in the area is a 90 foot shaft, 50 feet of which has been filled with muck. Indications are that no ore was found by this work.

Applicant's Proposal:

Sink a 250 foot shaft and drift 150 feet in each direction along the vein at an estimated cost of $71,177.60 or an alternate of rehabilitating the 90 foot shaft, sink an additional 100 feet, crosscut northerly to vein and drift on vein.

Conclusions and Recommendations:

Assays indicate that the bulk composition of the vein would be less than 10 percent manganese with some possible silver values. There is little possibility of finding any significant values in copper. The field examiners conclude there is little possibility (*) any significant tonnage of ore of an economic grade and recommends that the application be denied. The Field Team concurs in the conclusions and

(*) of finding

recommendations of the examining team.

The Commodity Divisions of the Geological Survey and the Bureau of Mines, concur in the conclusions and recommendations of the Field Team,

T. L. Chapman

T. L. Chapman, Acting Director
Division of Iron and Ferro-Alloys

TLCHAPMAN:foc
8-20-58
cc to: Docket
Code 400
Admr. R. File

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DMEA
RECEIVED AUG 20 1958
DATE | INITIAL
8/20/58 | H. G. | 225-
| | 100

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

August 19, 1958

~~Memorandum~~

To: W. S. Martin, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Examination Report, Docket No. DMEA-5002 (Manganese-Copper), John Medvit and Chris Doyle, Night Hawk and Gregory claims, Silver Bow County, Montana.

The applicants proposed sinking a 250 foot shaft and drifting 300 feet along a manganiferous quartz vein at an estimated cost of $71,177.60. The application was primarily to explore for manganese and Government participation would have been 75 percent or $55,383.20.

The Examiners report that the property is in an area where copper ore has not been found and assays of three samples taken of the vein show only traces of copper. The Examiners conclude that the chances of finding a significant manganese or copper ore body by the proposed exploration are poor and recommend that the application be denied. I concur in their recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Files
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb

DMEA
RECEIVED AUG 19 1958
INITIALS | CODE
N.J. | 225
8/19 | 400

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

August 14, 1958
Re: DMEA 5002
John Medvit & Chris Doyle
Night Hawk & Gregory Claims
Silver Bow County, Montana
$71,177.60 - Manganese-Copper

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicants requested assistance on an ambitious exploratory-mining project based on a long 6-foot manganese-bearing quartz vein. From a pod in the outcrop, a 26-long dry ton shipment of ore assaying 24.6% Mn has been made.

Based on the shipment and showings of manganese in the 550-foot long outcrop, the applicants proposed a 250-foot shaft in the hanging wall of the vein and drifting in the vein if it should be cut as planned. An alternative proposal involves the reconditioning of an old 90-foot shaft and deepening it 100 feet. From the new bottom a crosscut would be driven 350 feet, to the projected vein.

Sampling by the examiners shows other ore-bearing spots in the prominent outcrop, and unless unfavorable factors not mentioned are present, an exploratory shaft in the vein or diamond drilling appears warranted.

The production history of the quartz veins in the area in which the vein is located is not good. Perhaps this vein should not be deemed inferior from association, but its similarity to known inferior veins renders chancy the proposed and alternate projects.

I concur with the recommendation of the examiners that the application be denied.

N. E. Nelson

N. E. Nelson

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DATE	INITIALS	CODE
8/15	H. J.	225
8/15	RC	400

August 13, 1958

5002

Mn & Cu

John Medvit & Chris Doyle

Night Hawk

Silver Bow Co., Mont.

$71,177.60

W. S. Martin, DMEA

G. L. DeHuff, Jr., Commodity Specialist
Branch of Ferrous Metals and Ferroalloys
Field Team Report

1. Date of subject conference: 8/6/58 2. Date received by contractor: 8/12/58

3. Prior reports on this property known to contractor: Yes [ ] No [X]

4. Prior reports on nearby properties known to contractor: Yes [ ] No [ ]

5. Information available on past production: Yes [X] No [ ]

6. Other problems thought known to contractor: Yes [ ] No [ ]

7. Explain items marked "yes" above: Please see my 5/15/58 memo

8. Factors affecting special consideration:
   a. Location [ ]
   b. Geology [ ]
   c. Evidence of mineralization [ ]
   d. Geology [ ]
   e. Prepared exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs
   h. [ ]

9. Action taken:
   a. Obtain additional information [ ]
   b. Refer to field team [ ]
   c. Denial [ ]
   d. Agree with field team [ ]
   e. Discuss with field team [ ]
   f. Request alternate plan [ ]
   g. Request contract [illegible] [ ]
   h. Approval [ ]
   i. Consult with [illegible]

10. Remarks (Use back if more necessary): It is recommended that subject application be denied insofar as exploration for manganese is concerned.

G L DeHuff Jr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington
August 6, 1958

8/11	J.G.	225
8/15	[illegible]	130
8/15	J.G.	220
8/15	[illegible]	400

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-5002 (Manganese-Copper)
John Medvit and Chris Doyle
Night Hawk and Gregory Claims
Silver Bow County, Montana

Dear Mr. Selfridge:

Enclosed are three copies of a memorandum examination report on this property by William C. Prinz, Geologist, U. S. Geological Survey, and John A. Bowsher, Mining Engineer, U. S. Bureau of Mines.

Prinz and Bowsher conclude that the chance of finding a significant copper or manganese ore body is poor and they recommend that the application be denied. However, they also conclude that it has some promise as a silver prospect.

The Field Team concurs with the conclusions and recommendations of Prinz and Bowsher.

By Field Team, Region I

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures
cc: USBM(2)
USGS(SRO)
Prinz

Reviewed by
DMEA OPERATING COMMITTEE
8-15-58
(date)

DMEA

OFFICIAL TRACK
DMEA
RECEIVED AUG 11 1958

DATE	INITIALS	CODE
8/15	HB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington
August 4, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: William C. Prinz, Geologist, U. S. Geological Survey, and John A. Bowsher, Mining Engineer, U. S. Bureau of Mines

Subject: Application examination report, Docket No. DMEA-5002 (Manganese-Copper), John Madvit and Chris Doyle, Night Hawk and Gregory claims, Silver Bow County, Montana

INTRODUCTION

An application for DMEA assistance to explore the Night Hawk claim, Silver Bow County, Montana, for manganese and copper was received April 30, 1958, from John Madvit and Chris Doyle. The applicants propose to explore a west-striking and steeply south-dipping manganiferous quartz vein by sinking a 250-foot shaft and by drifting 300 feet along the vein from the bottom of the shaft. They estimate that this program would cost $71,177.60; Government participation at 75 percent would be $53,383.20. They also suggest an alternate program of rehabilitating an old 90-foot shaft located about 400 feet south of the vein, deepening this shaft another 100 feet, crosscutting to the vein from the bottom of the shaft, and drifting along the vein from this crosscut. No estimated costs are presented for this alternate program.

ON SITE EXAM.

The property was examined May 1, 1958, by the authors accompanied by John Madvit and Chris Doyle, the applicants. Inasmuch as the applicants were starting a drilling program, the data from which would be useful in evaluating their proposed program, Bowsher again visited the property on May 14, 1958, and Prinz and Bowsher on May 29, 1958.

SUMMARY AND RECOMMENDATIONS

The Night Hawk and Gregory claims are in the quartz-monzonitic Boulder batholith in the northern part of the Butte Mining District. The applicants wish to explore for copper and manganese in a 6-foot quartz vein which crops out on the Night Hawk claim. This vein consists mainly of gray to maroon quartz with some black

Reviewed by
DMEA OPERATING COMMITTEE
8-15-58
(date)

manganese oxides, but assay results indicate that the bulk composition of the vein includes less than 10 percent manganese. Comparison of this vein with other veins in the Butte District indicates that the possibility of the vein improving in depth is poor. Furthermore, the property is in an area where copper ore has not yet been found. It is concluded that the chances of finding a significant copper or manganese ore body by the proposed exploration are poor and it is therefore recommended that the application be denied. The property possibly has some promise as a silver prospect.

LOCATION AND ACCESSIBILITY

The Night Hawk and Gregory claims are in the northern part of the Butte Mining District, Silver Bow County, Montana (fig. 1). They are 2 miles north of Butte in the NE¼ sec. 2, T. 3 N., R. 8 W. The property is easily accessible by passenger car from Butte by the following route: In Walkerville, north of Butte, follow the well-marked Chamber of Commerce Copper Trail. From the only traffic light (overhead) in Walkerville, intersection of W. Daly and Main Streets, thence proceed north on Main Street 0.9 mile on dirt road to road junction (trailer house location); turn right and go 0.2 mile to covered reservoir and at 0.3 mile, topping the crest of the ridge, continue straight ahead and on the north slope of the gulch the headframe and outcrop of the property can be seen. Proceed on road to bottom of gulch and at 0.3 mile, road junction, take left fork; thence at 0.5 mile turn right to outcrop and headframe.

Winters in the area are moderately severe but the property could be made accessible throughout the whole year.

THE APPLICANT

The applicants, John Madvit, 732 North Street, Walkerville, Montana, and Chris Doyle, 740 Empire Street, Butte, Montana, are partners in the mine operation considered in this application. They propose to furnish their share of the cost by money, labor, and use of equipment and material. Their labor would be supplemented by that of several other associates. The applicants are practical miners with many years of experience. They are currently rehabilitating the old shaft on the Gregory claim and this work is being carried out in a safe and workmanlike manner. They appear better suited to carry out the actual mining work of the proposed exploration program than the technical direction and financial phases.

PROPERTY RIGHTS

The applicants hold a 5-year lease with an option to buy on the patented Night Hawk quartz lode mining claim, Survey No. 1190, Lot No. 321. The vein to be explored lies within this claim. They also hold a lease on the Gregory claim, Survey No. 1819,

Lot No. 471, which lies to the south of the Night Hawk. According to the application, the lease on the Gregory claim has been submitted to the owners for an extension. If this application receives favorable consideration, the Gregory claim should be included in the contract. This would be agreeable to the applicants.

DESCRIPTION OF PROPERTY

The Gregory and Night Hawk claims are in the rolling hills north of Butte, Montana, at an altitude of about 6,200 feet. The total relief on the 2 claims is only about 100 feet.

A shaft on the Gregory claim is the only significant underground opening on the two claims. This shaft is reported to be 90 feet deep but is now partially filled with muck. The applicants are in the process of rehabilitating this old shaft and at the time of the first examination of the property, were down about 47 feet. The shaft is serviced by a 32- by 24-foot building housing hoisting equipment, compressor, and accessory mining equipment and tools. The applicants are rehabilitating this shaft so that they can explore a silver vein on the Gregory claim.

GEOLOGY

The geology of the Butte District is well known and has been described in numerous publications. Those used most extensively in the preparation of this report are:

Perry, E. S., 1932, The Butte mining district, Montana: International Geological Congress, XVI Session, United States, 1933, Guide Book 23--Excursion C-2.

Weed, W. H., 1912, Geology and ore deposits of the Butte district, Montana: U. S. Geol. Survey Prof. Paper 74.

Pardee, J. T., 1919, Manganese at Butte, Montana: U. S. Geol. Survey Bull 690, p. 111-130.

The Butte District lies within the Boulder batholith which is Late Cretaceous in age, is intrusive into the Elkhorn Mountain volcanics (Upper Cretaceous) and is overlain unconformably by Tertiary volcanics. These three groups of igneous rocks are all acidic and all have essentially the same composition. The batholith is composed mainly of quartz monzonite or granodiorite with several late dikes or blebs of alaskite. The ore deposits are found in steeply dipping fissure veins which cut the batholith and have been subdivided into three systems. The veins of the oldest or Anaconda system strike east-west and dip steeply to the south. The Blue veins strike northwesterly and dip steeply to the

southwest. The youngest veins called the Steward system strike northeast and dip steeply to the southwest. These three systems contain identical ores and were thus apparently formed during the same period of mineralization. The ore minerals show a distinct zonal arrangement (fig. 4); the main or central zone contains copper ore, the intermediate zone, zinc, and the outer or peripheral zone, silver and manganese. The zoning is three dimensional; it is applicable to depth as well as horizontally.

The Night Hawk and Gregory claims are in the northern part of the Butte District, in the peripheral zone about 3 miles northwest of the central zone. In Professional Paper 74, this area is described in a section entitled "Northern Mines." The applicants propose to explore a large quartz vein which crops out on the Night Hawk claim. This vein appears to be the westward continuation of the North Wabash vein as defined in Professional Paper 74 (pl. 10). The shaft on the Gregory claim evidently explores the western extension of the South Wabash vein.

The main vein on the Night Hawk claim crops out over a strike length of about 550 feet (fig. 2). It forms a slightly arcuate pattern but has an average strike of about east-west and a steep southerly dip of 75°-80°. It is apparently a member of the Anaconda system. The vein is composed mainly of white to maroon quartz with some intermixed pyrolusite or psilomelane. Several manganese-rich pods are found, the largest of which has been mined out. Limonite and honeycomb or boxwork structures are rare. The vein is as much as 6 feet wide and it forms a bold and conspicuous "quartz-reef" type of outcrop. The hanging, or southern, wall of the vein forms a cliff which may be as much as 15 feet high.

Three samples from the vein on the Night Hawk claim were assayed for manganese and copper. The results of these assays are tabulated below and the manganese assays are posted on figure 2.

Sample No.	Width (feet)	Manganese (%)	Copper (%)
846	2	31.66	0.016
847	4	11.74	0.020
848	4	17.08	0.024

The samples were not assayed for silica because the manganese minerals occur in a quartz gangue; therefore, most of the remainder of the rock would be silica. These samples represent the highest grade pods along the quartz vein; the average grade of the whole vein as exposed along the outcrop would be considerably less,

probably under 10 percent manganese. What apparently represented the largest manganiferous pod in the quartz vein has been removed and shipped to the General Services Administration Purchase Depot in Butte. This shipment amounted to 26.1759 long dry tons and it averaged 24.6 percent manganese. Sample 848 was cut from the west side of this pod.

The results of surface sampling of the target vein are discouraging and the vein is not exposed by any underground workings. However, during the first examination of the property on May 1 the applicants stated that they were planning to drill two or three holes to test the vein at depth. Since we felt that the results of this drilling would be extremely important in the evaluation of the property, we delayed preparation of this report until the drilling program was completed. At later visits to the property we discovered that the applicants were having difficulty performing the drilling because of inexperience with drilling equipment and had therefore decided to abandon this work.

Therefore, it will be necessary to try to infer what will happen to the vein at depth. The application is to explore for both copper and manganese, but the chances of discovering copper at the depth to be explored appear nil because the property is located well into the peripheral zone, a zone which has yielded little if any copper production. Evaluation of the manganese potential of the property creates more of a problem. Concerning the character of the outcrop of manganiferous quartz veins, Pardee (1919) states on page 119, "In the process of oxidation, virtually all the vein minerals were dissolved except quartz, which remained as a cellular skeleton or 'honeycomb,' and the manganese was transported and redeposited as oxides, chiefly in cracks or other open spaces." And on page 124 he states, "As a rule, the outcrops of the richer parts of the lodes are less prominent than those of the leaner parts, the more conspicuous reefs such as those of the Ancient and Tzarina being relatively barren quartz, though they contain enough manganese to color them noticeably. In these particular lodes the best ore occurs in streaks on either side of the main reef." Similar ideas are expressed by Perry in Guide Book 23 of the Sixteenth Geological Congress on page 20, "Veins containing manganese are characteristically stained black at their outcrop, and many of them are marked by the presence of 'honeycomb' or 'boxwork' structure in the quartz, with limonite and pyrolusite filling cavities." Several sentences later, he states, "On the other hand, veins barren of sulfide minerals commonly contain a massive variety of quartz, which on weathering stands out in bold relief as conspicuous 'quartz reefs.' Barren quartz veins are more common in the peripheral areas." The vein on the Night Hawk claim appears to be one of these barren quartz veins. Also of significance is the following statement by Wood (1912, p. 248): "In this portion of the district [the northern portion], the outcrops are more prominent

than in any other portion, but although the veins are so conspicuous in outcrop and abundant in number their exploration has been disappointing, inasmuch as workable ores occur only in small amount and extend only to comparatively shallow depths. It is, indeed, doubtful if any of the mines in this portion of the district have returned the cost of equipment." This was written before manganese was considered important, when the area was being prospected primarily for silver. However, since that time no manganese deposit of importance has been found in this portion of the Butte District. It is concluded therefore that the chances of making a significant manganese discovery on the property are poor and that the chances of making a significant copper discovery are nil because the property is so far from the main copper producing area.

The chances of finding silver ore on the property are probably somewhat better. However, since the DMEA program has not included silver, this possibility was not seriously considered by the examining team. Should Congress approve a new exploration program which would include silver, the samples collected during our examination should be assayed for that metal and the property revisited and evaluated as a potential silver mine.

APPLICANTS' PROPOSAL

The applicants propose to sink a 250-foot vertical shaft to intersect the vein at depth (fig. 3) and to drift 300 feet along the vein, 150 feet east and 150 feet west. They estimate that this program would cost $71,177.60. As an alternate proposal, they suggest rehabilitating the old 90-foot shaft on the Gregory claim, sinking it an additional 100 feet, crosscutting northerly to the vein, and drifting 300 feet on the vein. Estimated costs are not given for this alternate program.

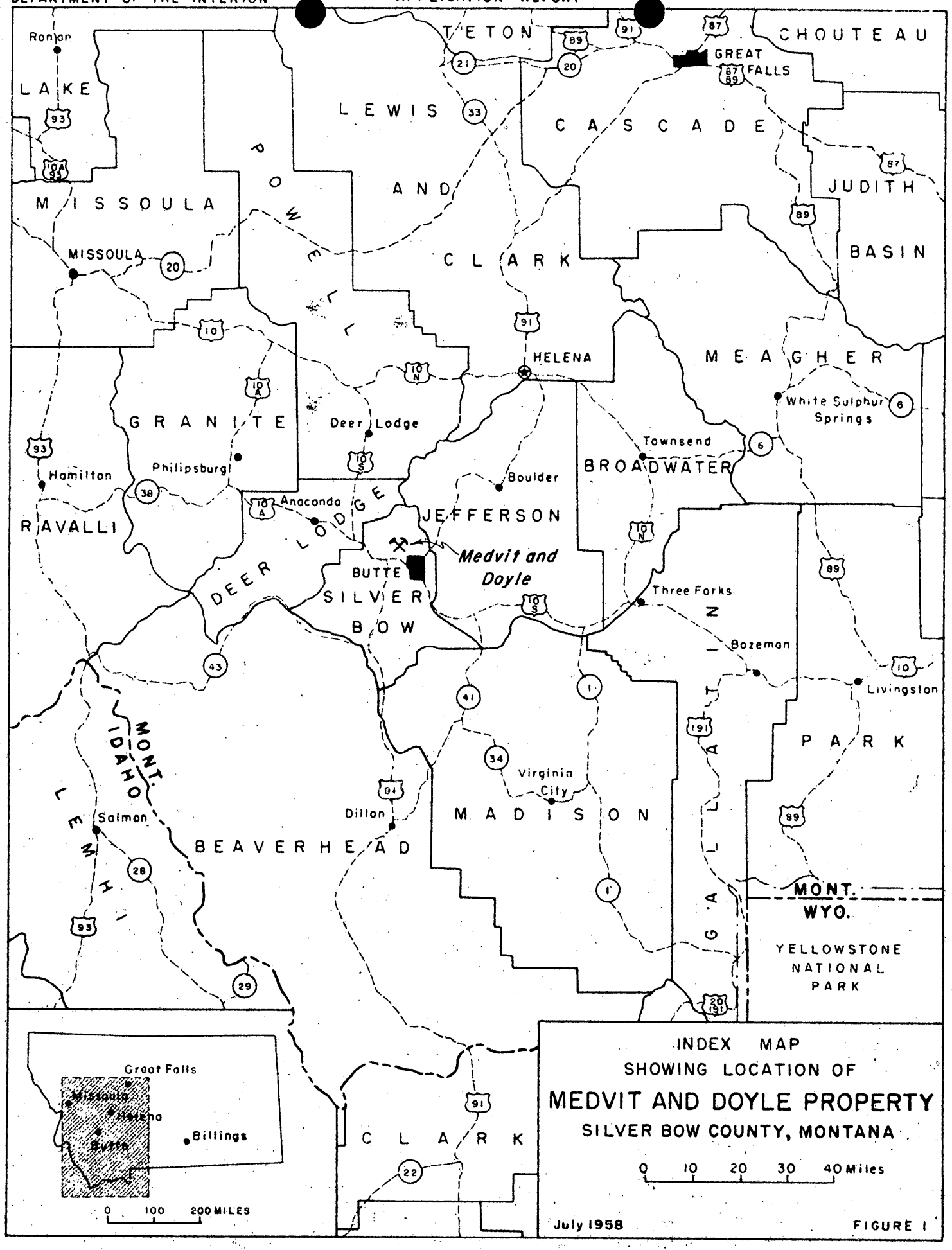
The applicants' alternate proposal of rehabilitating the 90-foot shaft and deepening it an additional 100 feet, plus crosscutting and drifting, is preferred over their proposal of sinking a new 250-foot shaft. The alternate program has the following advantages: (1) Surface facilities have already been installed at this place and shaft rehabilitation is in progress; (2) the crosscut northerly from the Gregory shaft, which would be about 350 feet long, would explore the intervening area for possible parallel veins; and (3) the alternate program would be less expensive. Also, before starting any extensive underground work, it would seem prudent to drill 3 inclined drill holes each approximately 300 to 350 feet deep to intersect the vein about 200 feet below the surface.

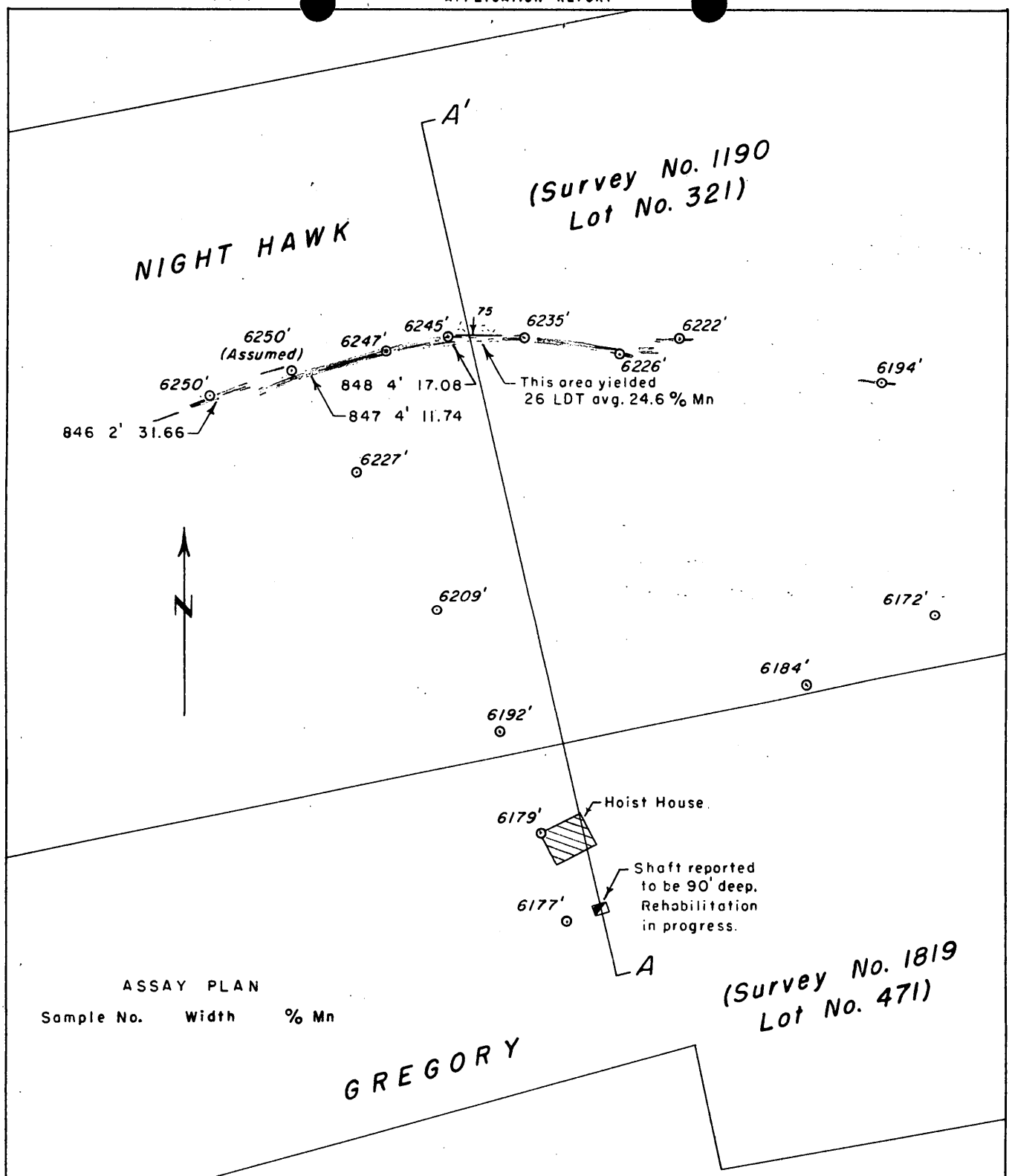
Attachments
Distribution:
DMEA(3) Docket
USBM(5) Prinz
USBM(SRO)

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
APPLICATION REPORT

DOCKET NO. DMEA 5002





ASSAY PLAN

Sample No.	Width	% Mn

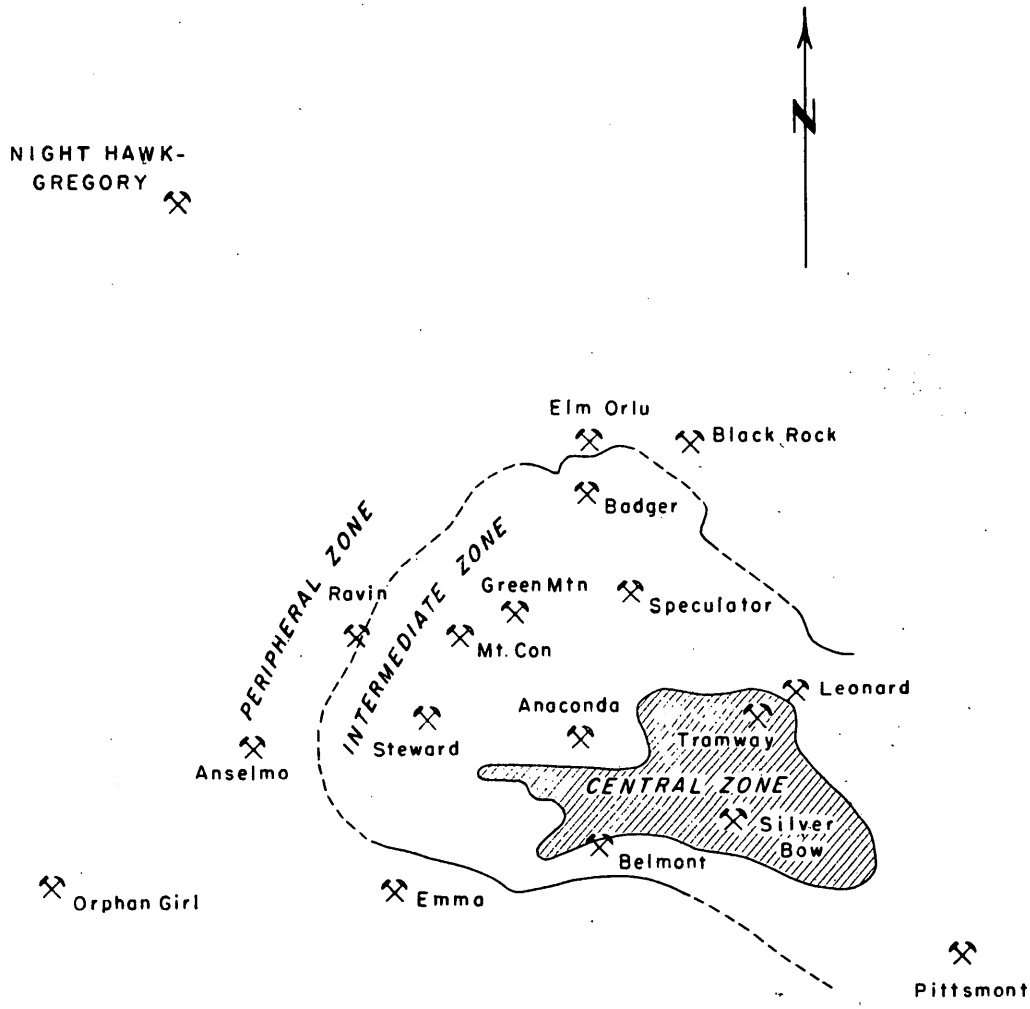
GEOLOGIC MAP
PORTION OF
NIGHT HAWK AND GREGORY CLAIMS
SILVER BOW COUNTY, MONTANA

100 0 100 Feet

Plane table survey by W.C. Prinz, USGS
and J.A. Bowsher, USBM, May 1958.

July 1958

Figure 2



PLAN AT ALTITUDE OF 4,600 FEET
SHOWING GENERAL ZONAL ARRANGEMENT
OF ORE MINERALS

BUTTE DISTRICT

SILVER BOW COUNTY, MONTANA

1 0 1 Mile

After Hart, Copper Resources of the World, fig. 33, 1935.

July 1958

Figure 4

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-4	Chapman	400
8-4	Martin	400
8/5	Selfridge	130
10	Johnson	~~130~~
		130
		110
6	Mittendorf	100
8/6	D. g. D	~~220~~ 220

8/5 Kilsgaard (130
8/5 Lamb (130
225

AUG 6 1958

Messrs. John Medvit and
Chris Doyle
732 North Street
Walkerville, Montana

Re: Docket No. DMEA 5002, Manganese-Copper
Night Hawk property
Silver Bow County, Montana

Gentlemen:

We regret that we were unable to completely process your application for exploration assistance prior to June 30, 1958, the termination date for approving new contracts, as announced by the enclosed copy of a news release of June 6, 1958.

However, had the processing been completed, we would have been unable to approve a project based on the information available to us in Washington concerning your property.

We wish to thank you for your interest in the DMEA program and for bringing the exploration plan to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

TLCHAPMAN/dlm 8-4-58
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. I
Messrs. G. L. DeHuff, JR. USBM
T. H. Kiilsgaard, USGS

8623

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YWA104 WAX SP 11 I-GS-G

SPOKANE WASH 6-9-58 1020U

GEORGE C SELFRIDGE, CHAIRMAN OPERATING COMMITTEE

DMEA, DEPT OF INTERIOR, WA

REURTT JUNE 6, DOCKET DMEA-5002, MEDVIT AND DOYLE. ON BASIS OF RECENT DRILLING RESULTS A CONTRACT WILL NOT BE RECOMMENDED.

A E WEISSENBORN, EXEC OFFICER, REGION I

DMEA-5002

EKC 1023U

PLS ADD 6 ROPT 6 OT CFN

No reply necessary
WSM

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6-6	Chapman	400
6-6	Martin	400
6/6	Selfridge	130
6/6	Johnson	110
"	Attorney	100
6/6	C G	220
		400

JUN 6 1956

INTERIOR

DMEA

14X4401(01) REVOLVING

FUND, DEFENSE PRODUCTION ACT, INTERIOR,

(TRANSFER TO OFFICE OF SECRETARY)

T E L E T Y P E

MR. A. E. WEISSENBORN, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION I
SOUTH 157 HOWARD STREET
SPOKANE 4, WASHINGTON

RE DOCKET NO. 5002, MEDVIT AND DOYLE, WE NOTE YOUR APRIL 15 TO MAY 15 PERIOD REPORT ADVISES THAT EXAMINATION OF PROPERTY HAD BEEN MADE. PLEASE ADVISE US PROMPTLY IF A CONTRACT WILL BE RECOMMENDED.

George C. Selfridge
CHAIRMAN, OPERATING COMMITTEE

TLCHAPMAN/dlm 6-6-58
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. I
Messrs. G. L. DeHuff, Jr. USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/20	Chapman	400
5/20	Martin	400
5/21	Selfridge	430
5/21	Vokes	130
5/21	Kilsgaard	320
"	Plum	110
"	Mittendorf	400
5/22	H.G.	220
		400

MAY 21 1958

Messrs. John Medvit and
Chris Doyle
732 North Street
Walkerville, Montana

Re: Docket No. DMEA 5002, Manganese-Copper
Night Hawk property
Silver Bow County, Montana

Gentlemen:

The application for assistance in exploring the subject property under the captioned docket number has been reviewed by the Division of Iron and Ferro-Alloys, of the Defense Minerals Exploration Administration, and has been referred to Mr. A. E. Weissenborn, Executive Officer, South 157 Howard Street, Spokane 4, Washington, for further consideration.

The regional office will notify you, if it has not already done so, in case additional information concerning your application is needed. Any assistance you may give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLCHAPMAN:foc
5-20-58
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. I
Messrs. G. L. DeHuff, Jr., USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-20	Chapman	400
5-20	Martin	400
5/21	[illegible]	130
"	[illegible]	110
"	[illegible]	106
		250

MAY 21 1958

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 5002, Manganese-Copper
John Medvit and Chris Doyle
Night Hawk property
Silver Bow County, Montana

Dear Mr. Weissenborn:

Your letter of April 30, 1958, stated that members of the Field Team were in the Butte area and if possible would make the field examination of the subject property.

We will, therefore, hold this application in abeyance until the report and recommendations of the Field Team are received.

Enclosed are copies of memoranda, dated May 8 and 15, 1958, by W. P. Williams, Geological Survey, and G. L. DeHuff, Jr., Bureau of Mines, respectively, with an extra copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (HS)

APPROVED:

P. F. Yopes (HS)
Member, Bureau of Mines

Thor H. Kiilsgaard (HS)
Member, Geological Survey

TLCHAPMAN:foc 5-20-58
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. I
Messrs. Gilbert DeHuff, JR., USBM
T. H. Kiilsgaard, USGS

Enclosure

8623

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

DMEA
MAY 21 1958

5/21	H.G.	225
	WSM	400

May 19, 1958

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-5002 (Manganese-Copper)
John Medvit & Chris Doyle
Night Hawk
Silver Bow County, Montana

Dear Mr. Selfridge:

Enclosed are the original and two ozalid copies of each of two claim maps given to us by the applicant. We have retained one copy each for our files.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: USBM (2)
Prinz

5-21-58
One copy sent to Survey, other set sent with extra copy of application to Field Team.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 16 1958

DATE	INITIALS	CODE
5/16	C	220
	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

Date May 15, 1958

DMEA Docket No. 5002
DMEA Contract No.
Commodity Mn & Cu
Name of applicant John Medvit & Chris Doyle
Name of property Night Hawk
Location of property Silver Bow Co., Mont.
Estimated cost of project $71,177.60

To: W. S. Martin, DMEA

From: G. L. DeHuff, Jr., Commodity Specialist
Branch of Ferrous Metals and Ferroalloys

Subject: Review of Application
(Application, ~~Amendment, Report~~)

1. Date of project terminal: 4/29/58 2. Date received by reviewer: 5/6/58

3. Other [illegible] on this property known to reviewer: Yes [ ] No [X]

4. Other [illegible] on nearby properties known to reviewer: Yes [ ] No [ ]

5. Information available on past production: Yes [X] No [ ]

6. Other pertinent factors known to reviewer: Yes [ ] No [ ]

7. Explain items marked yes above: Settlement sheet (GSA) with application, dated 4/25/58, for 26 L.T. of oxide ore @ 24.6% Mn.

8. Factors meeting special consideration:
- a. Location [ ]
- b. Ownership [ ]
- c. Evidence of mineralization
- d. Geology [ ]
- e. Proposed exploration method [X]
- f. Alternate exploration method [X]
- g. Costs [ ]
- h. Market [X]

9. Action advised:
- a. Obtain information from applicant [ ]
- b. Refer to Field Team [X]
- c. Denial [ ]
- d. Agree with Field Team [ ]
  - i. Consult with Mr. _____ at _____ AEC office.
- e. Disagree with Field Team [ ]
- f. Suggest alternate plan [ ]
- g. Request another examination [ ]
- h. Approval [ ]

10. Remarks: (Use back of page if necessary)

G. L. DeHuff Jr.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

DMEA
RECEIVED
DATE
5/9 C 220
WSM 400

Memorandum

May 8, 1958

To: W. S. Martin, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 5002 (manganese-copper), John Medvit & Chris Doyle, Night Hawk claim, Silver Bow County, Montana.

The applicant proposes to explore for manganese and copper ore deposits on one patented mining claim at Butte, Montana. The proposed project would consist of 250 linear feet of shaft sinking and 300 feet of drifting at a total estimated cost of $71,178.

The applicant states that the only past exploration on the Night Hawk claim is a prospect pit, from which "several tons" of manganese ore was shipped. A GSA Acceptance sheet shows an assay of only 24.6 percent Mn.

The property should be examined in the field. According to the Executive Officer's letter of April 30, 1958, the property has probably been examined by this date, as field personnel were in the Butte area.

W. P. Williams

W. P. Williams

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

May 5, 1958

Messrs. John Medvit & Chris Doyle
732 North Street
Walkerville, Montana

Subject: DMEA-5002

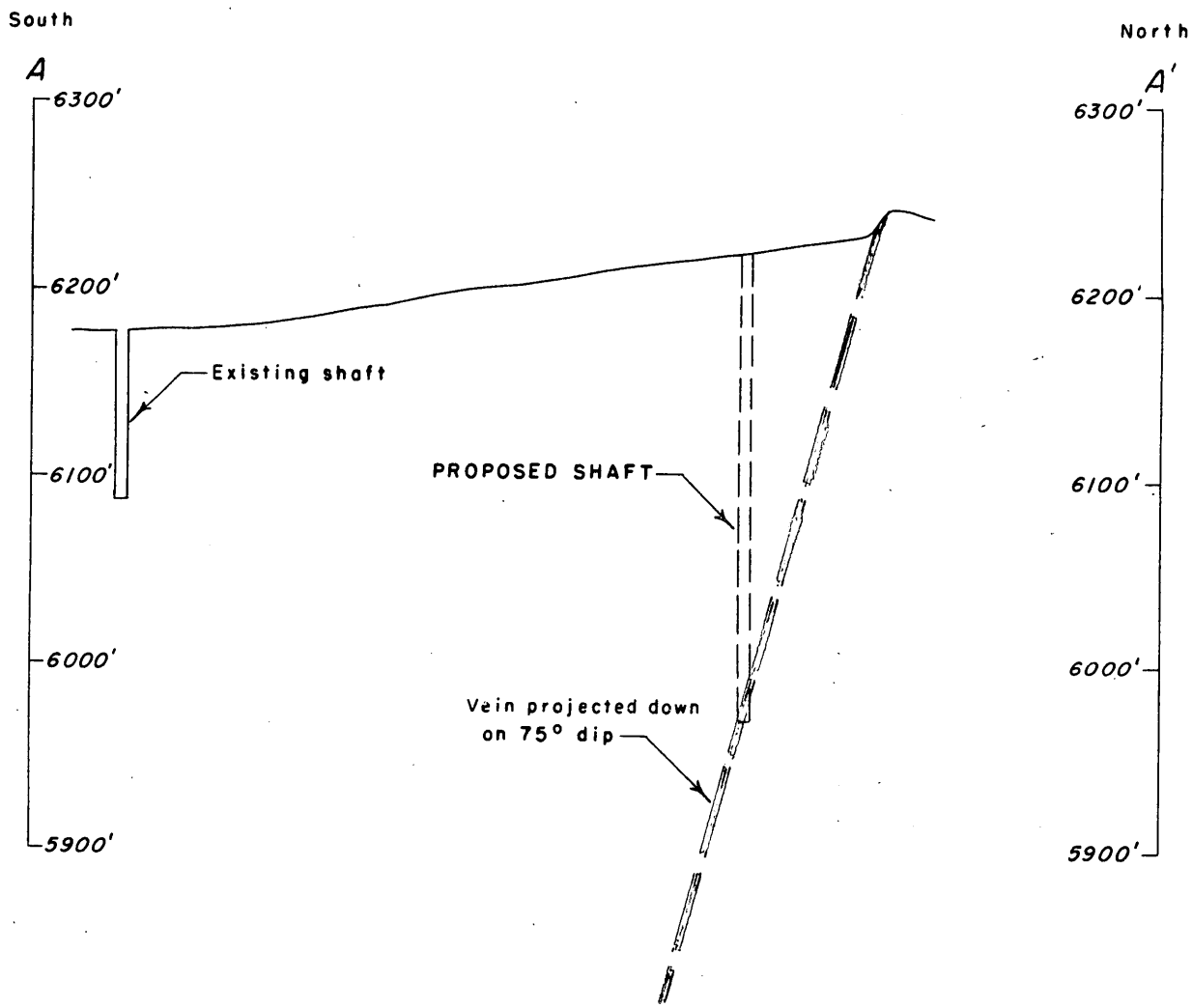
Gentlemen:

Your application for exploration assistance, dated April 29, 1958 submitted to our office at Spokane, Washington has been assigned Docket Number DMEA-5002 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:
Region I.



SECTION A-A'

CROSS SECTION

NIGHT HAWK AND GREGORY CLAIMS

SILVER BOW COUNTY, MONTANA

100 0 100 Feet

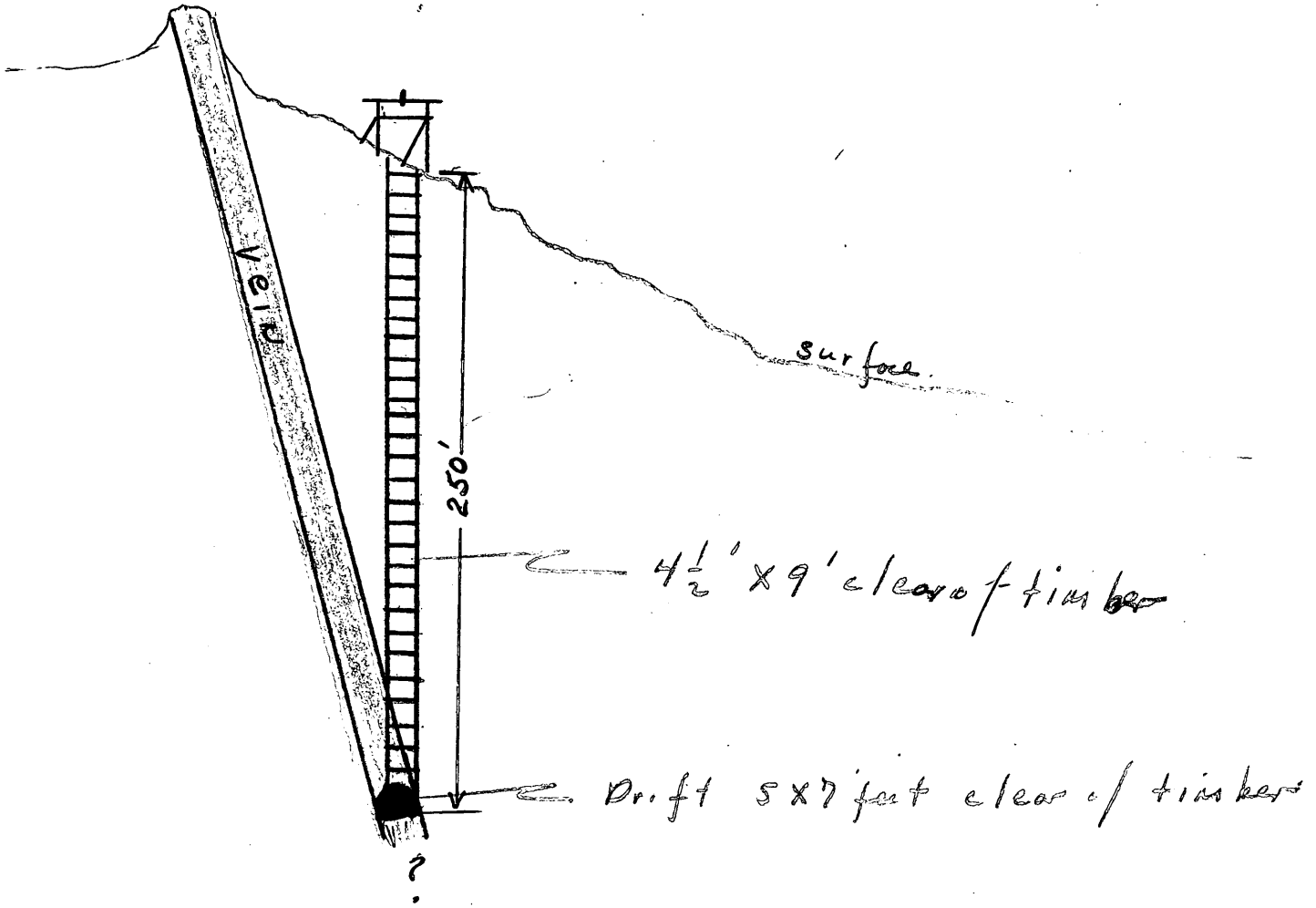
July 1958

Figure 3

DATE RECEIVED AUG 11 1966

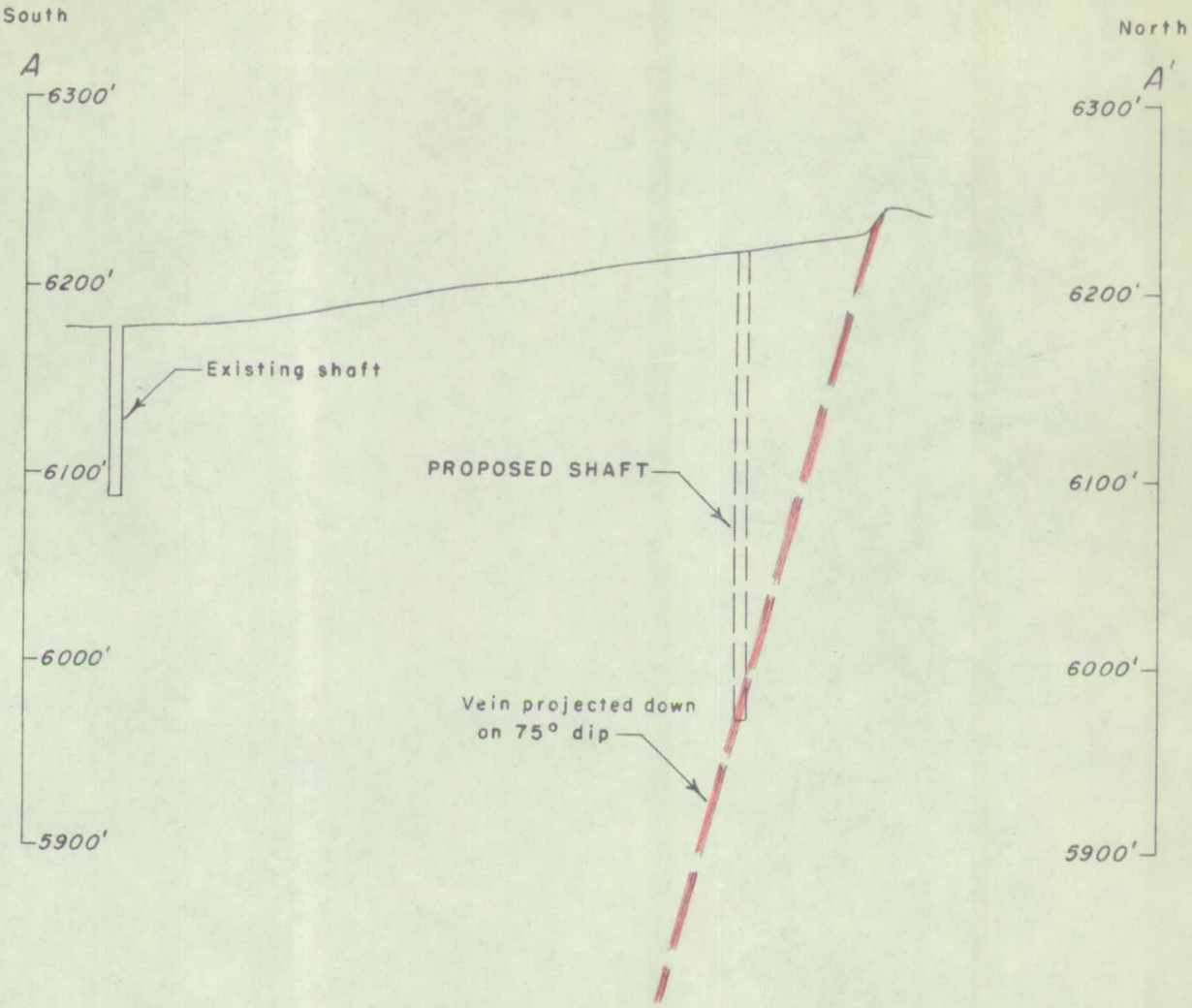
DATE	CONTENTS	

D.



Verticle View of Vein and Shaft

OAN FILE COPY
DMEA
RECEIVED 5 1958



SECTION A-A'

CROSS SECTION

NIGHT HAWK AND GREGORY CLAIMS

SILVER BOW COUNTY, MONTANA

100 0 100 Feet

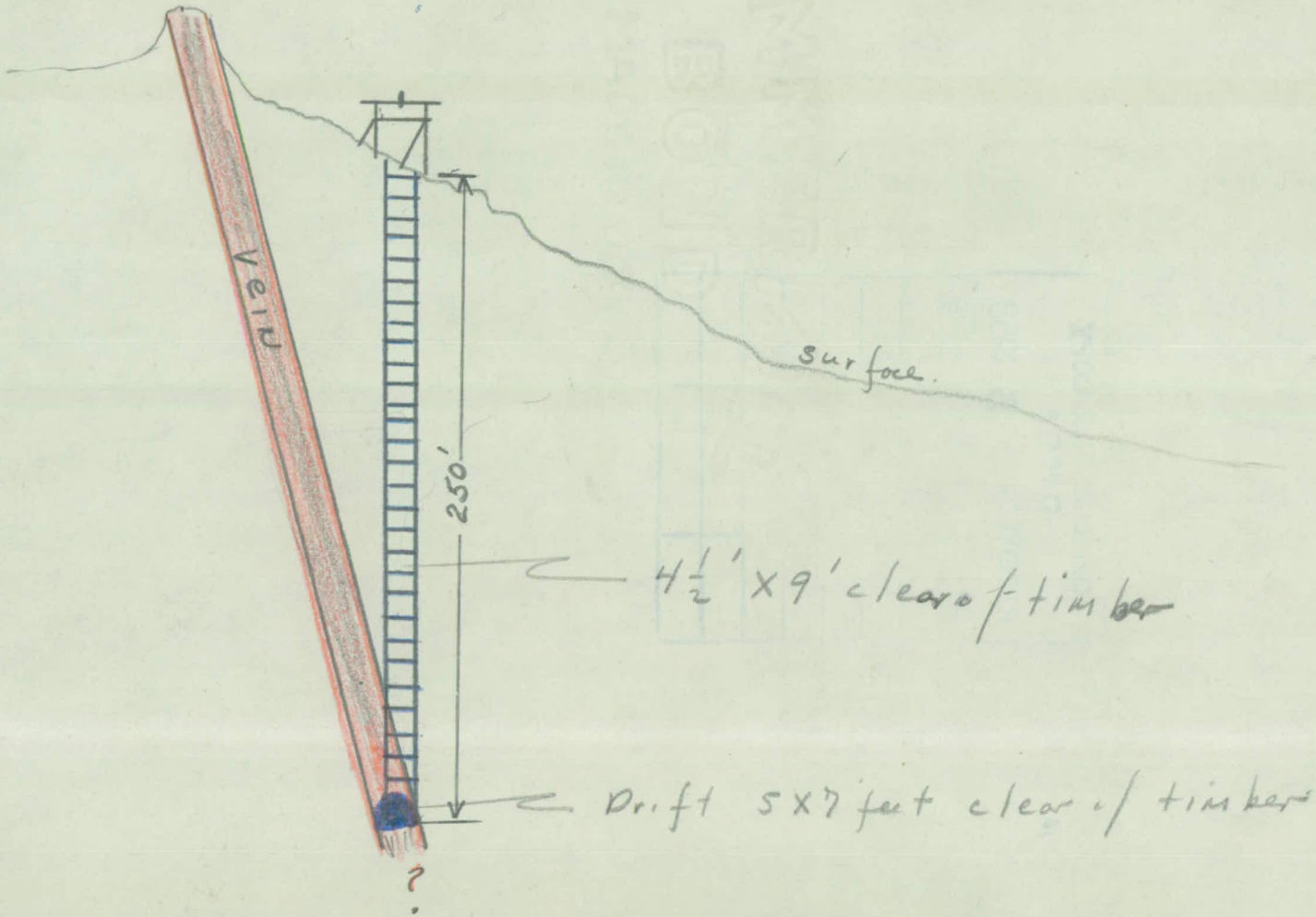
July 1958

Figure 3

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 11 1958

DATE	INITIALS	CODE

D.

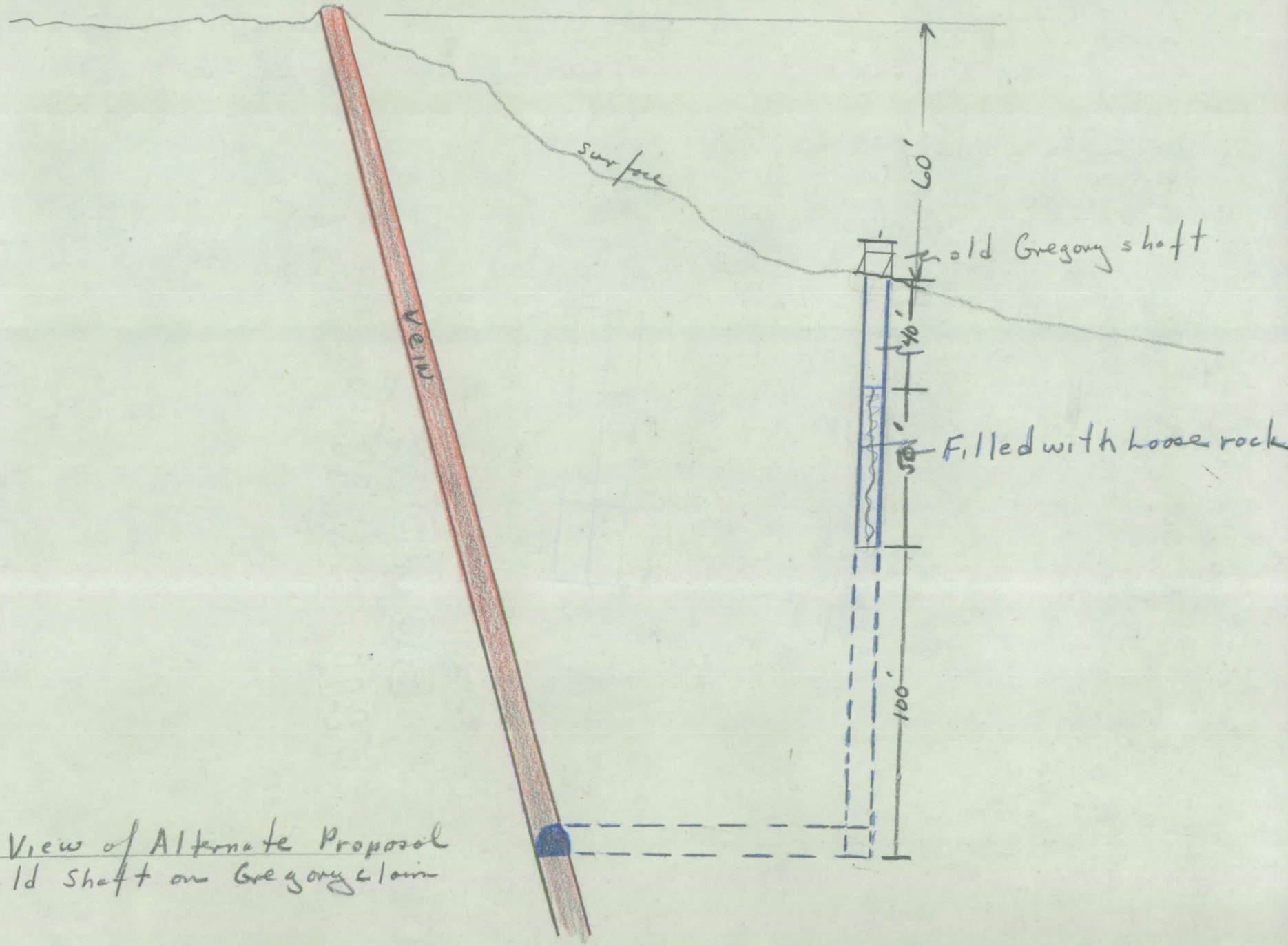


Verticle View of Vein and Shaft

OFFICIAL FILE COPY
D M E A
RECEIVED 5 1958

DATE		CODE

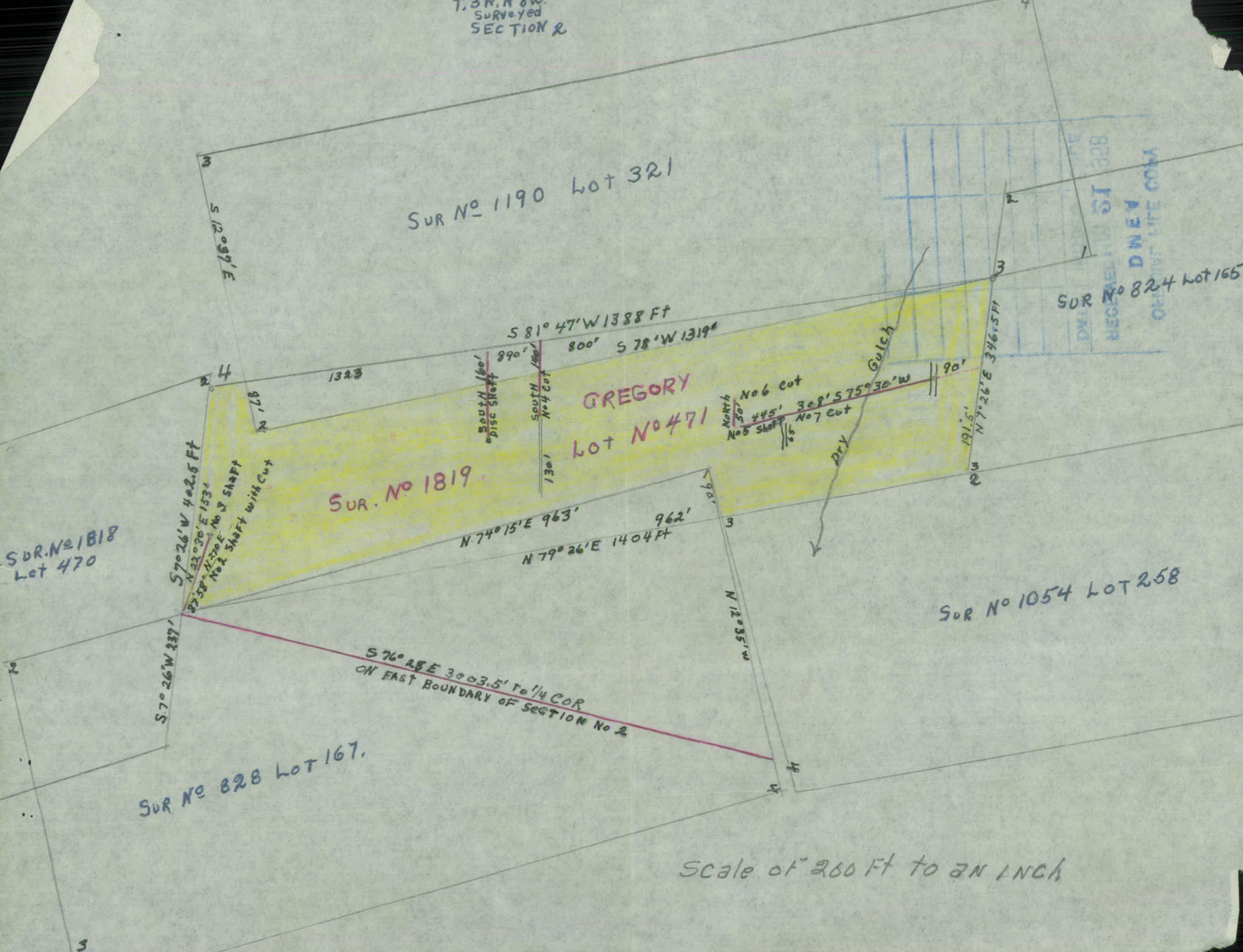
E.

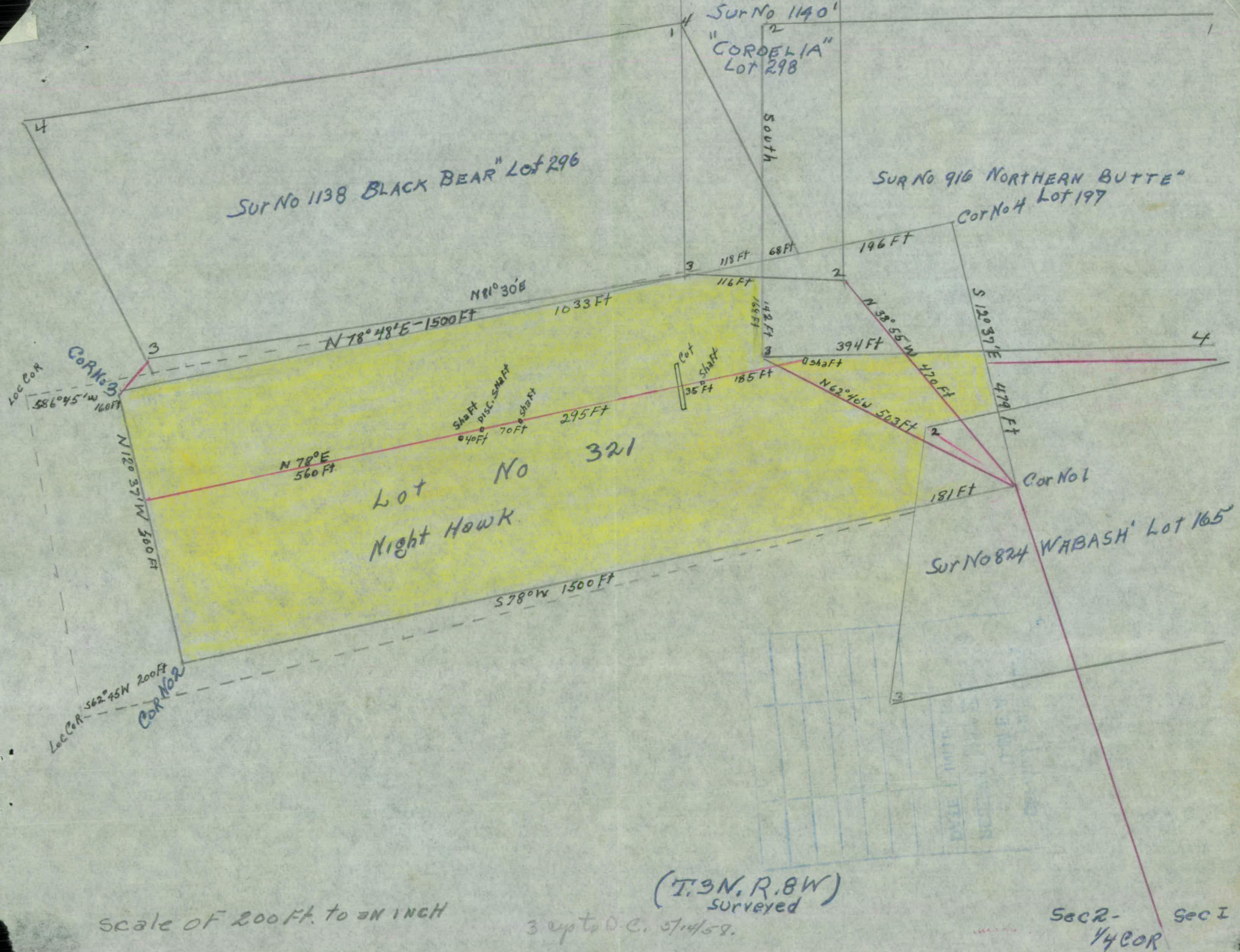


Verticle View of Alternate Proposal
from old Shaft on Gregory claim

OFFICIAL FILE COPY
D M E A
RECEIVED MAY 5 1958
DATE | INITIALS | CODE

T. 3 N. R 8 W.
Surveyed
SECTION 2




Sur No 1140'
"CORDELIA"
Lot 298
South
Sur No 1138 BLACK BEAR" Lot 296
Sur No 916 NORTHERN BUTTE"
Lot 197
Cor No 4
196 Ft
118 Ft
68 Ft
116 Ft
142 Ft
N 81° 30' E
1033 Ft
N 78° 48' E - 1500 Ft
N 38° 55' W
420 Ft
S 12° 37' E
394 Ft
479 Ft
Cut
Shaft
35 Ft
185 Ft
Shaft
N 62° 46' W 503 Ft
Shaft
Disc. Shaft
Shaft
40 Ft
70 Ft
295 Ft
N 78° E
560 Ft
Loc Cor
Cor No 3
S 86° 45' W 160 Ft
N 12° 37' W 500 Ft
Lot No 321
Night Hawk
Cor No 1
181 Ft
Sur No 824 WABASH' Lot 165
S 78° W 1500 Ft
Loc Cor S 62° 45' W 200 Ft
Cor No 2
(T. 3 N. R. 8 W)
Surveyed
Scale of 200 Ft. to an inch
3 up to D.C. 5/14/59.
Sec 2 - 1/4 Cor
Sec 1