MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 –
Contract Date

LIEN AND SUBORDINATION AGREEMENTS[1]

To the United States of America:

That certain land in the County of Socorro, State of New Mexico, described as follows:[2] Gofor Tunnel Site, Section 31, Township 3 South, Range 3 West, Size 10 Claims, Book 301, Page 265.

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and Jonathan Roy Stahl[3] hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

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5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions NONE (State "None" or "See Annex No. ____".)

Dated this 15 day of July, 19 71.

Mary K Tebbetts	(Seal)	Frontage Road NW Socorro, New Mexico 87801	(Street) (City & State)
James C Tebbetts	(Seal)	Frontage Road NW Socorro, New Mexico 87801	(Street) (City & State)
	(Seal)		(Street) (City & State)
	(Seal)		(Street) (City & State)
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I, _____ (Name), certify that I am the _____ (Title—Secretary, etc.) of the corporation named herein; that _____ (Name), who signed this agreement was then _____ (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

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(Corporate Seal)

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Dated this 15 day of JULY, 19 71.

Mary K Jeffitto	(Seal)	Frontage Road NW Socorro, New Mexico 87801	(Street) (City & State)
Jam C Jeffitto	(Seal)	Frontage Road NW Socorro, New Mexico 87801	(Street) (City & State)
	(Seal)		(Street) (City & State)
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(Corporate Seal)

INT.-COP. ESS., WASH., D.C. 21103

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Jan. 1959

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Mary K Tebbetts	(Seal)	Frontage Road NW Socorro, New Mexico 87801	(Street) (City & State)
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INT.-DOP. SES., WASH., D.C. 21103

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INT.-GOP. SES., WASH., D.C. 21103

MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6859

Application
- [ ] Denied
- [x] 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 Semiannual 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
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports

- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual 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

72195-65

17 December 1971

OFFICIAL
COPY
O. M. E.
RECEIVED
FEB 14 1972
INITIALS | CODE
Cal | 120 TW
| 120

Mr. Harold Kirkemo
Chief, Office of
Mineral Exploration
U.S. Department of the Interior
Geological Survey
Washington, D.C. 20242

Re: OME-6859 (Gold-Silver)
Jonathan Roy Stahl
Go-For and Spires Mines
Socorro County, New Mexico

Dear Mr. Kirkemo:

We wish to apologize for the delay in returning to you the information you requested November 16, 1971. OME budget constraints in fiscal year 1972 and your request that perhaps we could propose a less extensive program left us with a large problem in re-evaluation.

The additional information you requested is enclosed. I will explain each item in the paragraphs that follow as they were listed in your letter of November 16.

There are several financial arrangements that could be used to meet my share of the estimated costs. One such arrangement is with Hard Materials Inc., which has agreed to help us develop a mine to the southeast of the Go-For Tunnel Site, Crest-on Gold Mine. The road and the improvements on the road will be done with this limited partnership money. A second financial arrangement is with a loose association of businessmen. Conrad Durden, an attorney in Albuquerque, is spokesman for this limited partnership. Stuart Hines, of Albuquerque, and Hyman Finger, of Houston, Texas, are the only two names I have heard mentioned that are part of this group of men. This limited partnership will supply the money to develop the Wheel of Fortune Copper Mine. This money will be used in part for explosives, buildings, supplies, and miscellaneous expenses for both the mine and the OME expenses.

Enclosed are the copies of Mr. Tebbetts (Metals Limited Claims) and my financial statements.

The letter dated August 17 was the master letter we wrote for the banks. We talked with several bankers about financing the mining property and the same letter was submitted to each one. The wording "...discussion with the bank directors..." was in reference to the banking representative we had talked with. It was not intended for action by the OME in our behalf. True copies of the letters sent to the banks are enclosed. I am very sorry for this

misunderstanding. We sent you our original master letter instead of the letters to the banking representatives.

The Lien and Subordination Agreements had been signed by M.K. Tebbetts, owner of the property. These were with me in Denver but seemed to have been misplaced. New ones have been obtained and are with this letter. If I still need to furnish a Performance Bond for my share in the exploration, please advise.

Two maps are included showing the boundaries of the claims included in the lease from Mr. and Mrs. Tebbetts. The exploration we proposed to do will be in the center front claim of the Go-For Tunnel Site. Core hole # 1 will be the entrance to the small tunnel following the vein of the Go-For Mine. This core hole would go down and towards the center of the tunnel site claims. Core hole # 2 would have been approximately in the center of the same claim penetrating the several mineralized dikes that interfinger in that area.

This map shows the mining claims Cristobal # 1, Cristobal # 2, Iron Cap # 4, 1910 # 1, and 1910 # 3. Mr. Tebbetts either purchased these claims from the original claimants or has refiled on the claims that were no longer valid. I did not obtain a lease on portions of these claims outside of the tunnel site exterior boundaries. Mr. Tebbetts and I are working together to develop the several mines that are in the Mill Canyon Mining District.

Our original proposal taken to Denver in July to Mr. J.W. Hasler, was cut from $ 316,264.74 to $ 73,941.92 which we submitted to you. Our original proposal was for four core stations and 10,000 feet of core over the four major mineral deposits in the area. We cut this to two stations and 2,000 feet of coring before it was submitted to you. We could not interest any of the drilling companies in our area in submitting bids on anything smaller.

It would be possible to cut the proposal as submitted to you to only stage one which would give a cost of $ 33,765.91. This one station could be drilled as proposed and would allow us to correlate the Baca and Spears volcanics and possibly the Kelly limestones with other mining and mining properties in the Magdalena Mountains. Mr. Miller of the Miller Drilling Co. will drill the approximate 1,000 feet but only on an hourly basis. His bid was included in the proposal you have and for this he could furnish a bond.

Again, I wish to apologize for the delay in getting this material to you. My work here at New Mexico Institute of Mining and Technology on my thesis and studies and Mr. Tebbetts work with the other mines in the area was unavoidable. If the information enclosed is inadequate, please advise us and we will send additional information.

Sincerely yours,

Jon Stahl

Mr. Jon Stahl
P.O. Box 223
Socorro, New Mexico

TELEPHONE
842-8707

HARD MATERIALS INC.

SUITE 343 KORBER BUILDING
ALBUQUERQUE, NEW MEXICO 87101

15 December 1971

Mr. J.C. Tebbetts
General Manager
Metals Limited Claims
P.O. Box 223
Socorro, New Mexico 87801

Dear Mr. Tebbetts:

The Board of Directors for Hard Materials Inc., has decided to back your proposal for a limited partnership in your mining claims on those terms set down in your partnership offer.

As we had agreed, our share of this partnership will be $42,000.00 and for this sum, we are to receive a receipt for tax deductible exploration and development expense to the full amount of our investment.

We will be contacting you soon in regard to final details of this agreement.

Sincerely,

James Courtney

James Courtney

August 17, 1971

Mr. Charles K. Campbell
Assistant Vice President
Albuquerque National Bank
P.O. Box 1344
Albuquerque, New Mexico 87103

Dear Mr. Campbell:

I would like to obtain a loan to complete the exploration of my mining property in the Magdalena Mountains.

I have found that surface sampling and geologic mapping show the area to be possibly richer than I had originally supposed, as you will notice on the enclosed assay report.

The old mines have been mapped and sampled already and could be reopened and made to produce with very little additional expenditure.

I would like to do a more extensive exploration in order to determine the extent of the sub-surface mineralization.

Bids for diamond core drilling and construction of the access road into the ore veins come to $ 47,500.00.

I have estimated the costs of living quarters, food, wages, and miscellaneous expenses to be about $ 3,000.00 per month for the five month period it will take to complete the sub-surface exploration. Therefore, I am submitting that the amount of the loan from you will be $ 62,081.82.

I have, at present, approximately $ 27,000.00 in mining equipment and 60 acres of patented land, estimated to be worth $ 1,000.00 per acre, to use as security while I do the diamond core drilling to prove the sub-surface ore bodies are as rich as the surface samplings indicate.

My surface assets would cover the first stages of diamond core drilling and once this is completed, the known ore reserves of the sub-surface ore bodies would be security for the final stage of exploration and development of the mine.

I would appreciate your discussing this with the bank directors, to see if they will allow the bank to loan the money I need to complete the exploration.

Thank you,

Mr. Jon Stahl
P.O. Box 223
Socorro, New Mexico
87801

ALBUQUERQUE NATIONAL BANK

ALBUQUERQUE, NEW MEXICO

CHARLES K. CAMPBELL, ASSISTANT VICE PRESIDENT

August 19, 1971

Mr. Jon Stahl
P.O. Box 223
Socorro, New Mexico

Dear Mr. Stahl:

I am sorry to inform you that our Loan Committee has declined your request for the Albuquerque National Bank to participate with the Small Business Administration in the $62,081.82 loan for which you applied.

Sincerely,

Charles K. Campbell
Assistant Vice President

CKC/nc

P. O. BOX 1344 ALBUQUERQUE, NEW MEXICO 87103 TELEPHONE 505/765-2211

GOFOR CLAIMS

Five assays per outcrop

averaged

Assay Report

Sample	Gold	Silver	% Copper	Value per ton
C - 1	.14	.29	.013	5.60
C - 2	.87	.32	.72	34.80
C - 3	.06	.58	.45	1.20
C - 4	.50	1.03	.06	20.00
C - 5	.50	.08	.07	12.00

AC - 1	.015	.2	.33	.40
- 2	.005	.25	.68	-----
- 3	.005	.5	1.15	-----
- 4	.003	.08	.34	-----
- 5	.090	.5	8.15	3.60

- 6	.020	1.3	.15	-----
- 7	1.340	.8	.10	52.60
- 8	.004	.6	.53	-----
- 9	.003	1.06	2.18	-----
- 10	.004	.1	.33	-----

- 11	2.430	.5	.72	97.20
- 12	.003	.25	.45	-----
- 13	1.560	1.3	1.33	62.40
- 15	.090	.5	.45	3.60

August 17, 1971

Mr. Stanley G. Lane
Assistant Vice President
American Bank of Commerce
P.O. Box 1081
Albuquerque, New Mexico 87103

Dear Mr. Lane:

I would like to obtain a loan to complete the exploration of my mining property in the Magdalena Mountains.

I have found that surface sampling and geologic mapping show the area to be possibly richer than I had originally supposed, as you will notice on the enclosed assay report.

The old mines have been mapped and sampled already and could be reopened and made to produce with very little additional expenditure.

I would like to do a more extensive exploration in order to determine the extent of the sub-surface mineralization.

Bids for diamond core drilling and construction of the access road into the ore veins come to $ 47,500.00.

I have estimated the costs of living quarters, food, wages, and miscellaneous expenses to be about $ 3,000.00 per month for the five month period it will take to complete the sub-surface exploration. Therefore, I am submitting that the amount of the loan from you will be $ 62,081.82.

I have, at present, approximately $ 27,000.00 in mining equipment and 60 acres of patented land, estimated to be worth $ 1,000.00 per acre, to use as security while I do the diamond core drilling to prove the sub-surface ore bodies are as rich as the surface samplings indicate.

My surface assets would cover the first stages of diamond core drilling and once this is completed, the known ore reserves of the sub-surface ore bodies would be security for the final stage of exploration and development of the mine.

I would appreciate your discussing this with the bank directors, to see if they will allow the bank to loan the money I need to complete the exploration.

Thank you,

Mr. Jon Stahl
Box 223
Socorro, New Mexico
87801

AMERICAN
BANK OF
COMMERCE

STANLEY G. LANE
Assistant Vice President

August 19, 1971

Mr. Jon Stahl
Post Office Box 223
Socorro, New Mexico

Dear Mr. Stahl:

After reviewing the documents you have presented, we regret that we cannot make the $62,081.82 loan you have requested to complete the exploration of your mining property in the Magdalena Mountains.

Sincerely,

AMERICAN BANK OF COMMERCE

Stanley G. Lane

Stanley G. Lane
Assistant Vice President

:rmj

AMERICAN BANK OF COMMERCE P. O. BOX 1081 ALBUQUERQUE, NEW MEXICO 87103 505 247-1021

August 17, 1971

Mr. J. M. Oleyar, III
Assistant Vice President
The First National Bank in Albuquerque
Albuquerque, New Mexico

Dear Mr. Oleyar:

I would like to obtain a loan to complete the exploration of my mining property in the Magdalena Mountains.

I have found that surface sampling and geologic mapping show the area to be possibly richer than I had originally supposed, as you will notice on the enclosed assay report.

The old mines have been mapped and sampled already and could be reopened and made to produce with very little additional expenditure.

I would like to do a more extensive exploration in order to determine the extent of the sub-surface mineralization.

Bids for diamond core drilling and construction of the access road into the ore veins come to $ 47,500.00.

I have estimated the costs of living quarters, food, wages, and miscellaneous expenses to be about $ 3,000.00 per month for the five month period it will take to complete the sub-surface exploration. Therefore, I am submitting that the amount of the loan from you will be $ 62,081.82.

I have, at present, approximately $ 27,000.00 in mining equipment and 60 acres of patented land, estimated to be worth $ 1,000.00 per acre, to use as security while I do the diamond core drilling to prove the sub-surface ore bodies are as rich as the surface samplings indicate.

My surface assets would cover the first stages of diamond core drilling and once this is completed, the known ore reserves of the sub-surface ore bodies would be security for the final stage of the exploration and development of the mine.

I would appreciate your discussing this with the bank directors, to see if they will allow the bank to loan the money I need to complete the exploration.

Thank you,

Mr. Jon Stahl
P.O. Box 223
Socorro, New Mexico
87801

The First National Bank in Albuquerque

Main Office

August 19, 1971

Mr. Jon Stahl
P. O. Box 223
Socorro, New Mexico

Dear Mr. Stahl:

I regret to inform you that I am unable to grant your request for a loan in the amount of $62,081.82, for the purpose of completing the exploration of your mining property in the Magdalena Mountains.

Very truly yours,

J. M. Oleyar, III
Assistant Vice President

JMO/po

P.O. Box 1305 / Albuquerque, New Mexico 87103 / Telephone (505) 842-2000

FEDERAL RESERVE BANK OF KANSAS CITY—FORM NO. CD-3

INDIVIDUAL (MERCHANT)

FROM Jonathan Roy Stahl ADDRESS Box 223 Socorro, New Mexico 87801

BUSINESS Mining

TO

FOR THE PURPOSE OF OBTAINING LOANS AND DISCOUNTING PAPER WITH YOU, AND OTHERWISE PROCURING CREDIT FROM TIME TO TIME, I FURNISH YOU WITH THE FOLLOWING STATEMENT AND INFORMATION, WHICH IS, AND IS SHOWN BY MY BOOKS TO BE A TRUE AND CORRECT STATEMENT OF MY FINANCIAL CONDITION ON 12 December 19 71

I AGREE TO AND WILL NOTIFY YOU IMMEDIATELY IN WRITING OF ANY MATERIALLY UNFAVORABLE CHANGE IN MY FINANCIAL CONDITION, AND IN THE ABSENCE OF SUCH NOTICE, OR OF A NEW AND FULL WRITTEN STATEMENT, THIS MAY BE CONSIDERED AS A CONTINUING STATEMENT AND SUBSTANTIALLY CORRECT; AND IT IS HEREBY EXPRESSLY AGREED THAT UPON APPLICATION FOR FURTHER CREDIT, THIS STATEMENT SHALL HAVE THE SAME FORCE AND EFFECT AS IF DELIVERED AS AN ORIGINAL STATEMENT OF MY FINANCIAL CONDITION AT THE TIME SUCH FURTHER CREDIT IS REQUESTED.

(FILL ALL BLANKS, WRITING "NO" OR "NONE" WHERE NECESSARY TO COMPLETE INFORMATION).

ASSETS

	THOUSANDS	HUNDREDS	CENTS
CASH ON HAND AND IN BANK		50	00
BILLS (NOTES) RECEIVABLE, ALL GOOD, DUE FROM CUSTOMERS		69	00
ACCOUNTS RECEIVABLE, " " " " "			
MERCHANDISE FINISHED (HOW VALUED)			
" UNFINISHED (HOW VALUED)			
" RAW MATERIAL (HOW VALUED)			
TOTAL QUICK ASSETS		119	00
INVESTMENTS: BONDS AND STOCKS (LIST ON REVERSE SIDE HEREOF)		167	37
ACCOUNTS (AND NOTES) RECEIVABLE, DOUBTFUL (FACE VALUE $) ESTIMATED WORTH		500	00
MACHINERY AND EQUIPMENT (COST)	5	000	00
FURNITURE AND FIXTURES (COST)	2	000	00
TOWN OR CITY REAL ESTATE (AT ACTUAL MARKET VALUE)		495	00
COUNTRY REAL ESTATE ACRES COUNTY	80	000	00
OTHER ASSETS AND OF WHAT COMPOSED			
TOTAL	88	400	37

SPECIFY ANY OF ABOVE ASSETS PLEDGED AS COLLATERAL

LIABILITIES

	THOUSANDS	HUNDREDS	CENTS
BILLS (NOTES) PAYABLE, GIVEN FOR MERCHANDISE		150	00
BILLS (NOTES) PAYABLE, MONEY BORROWED FROM BANKS	3	240	00
BILLS (NOTES) PAYABLE, OTHER THAN THE ABOVE		5	00
OPEN ACCOUNTS PAYABLE, NOT DUE			
" " " PAST DUE			
OWING TO RELATIVES AND FRIENDS	5	000	00
DEPOSITS OF MONEY BY RELATIVES, EMPLOYES AND OTHERS			
LIENS OR INCUMBRANCES ON MERCHANDISE OR OTHER ASSETS ASIDE FROM REAL ESTATE MORTGAGES			
CHATTEL MORTGAGES ON			
MORTGAGES ON TOWN OR CITY REAL ESTATE (DUE)			
MORTGAGES ON COUNTRY REAL ESTATE (DUE)			
OTHER LIABILITIES AND OF WHAT COMPOSED			
TOTAL LIABILITIES	8	395	00
NET WORTH			
TOTAL	8	395	00

SPECIFY ANY OF ABOVE LIABILITIES SECURED BY COLLATERAL

CONTINGENT LIABILITY: (NOT INCLUDED IN ASSETS ENUMERATED ABOVE) UPON ACCOMMODATION, EXCHANGED OR ENDORSED PAPER, $ 0

UPON NOTES RECEIVABLE OF CUSTOMERS, DISCOUNTED OR SOLD $ 0 UPON CONSIGNED GOODS $ 0 ALL OTHER $ 0

INSURANCE: ON MERCHANDISE $ 0 BUILDINGS $ 0 MACHINERY $ 20,000 TOTAL INSURANCE 20 000 00

BUSINESS LIFE INSURANCE: TO WHOM PAYABLE None AMOUNT

BUSINESS RESULTS: ANNUAL SALES FOR THE YEAR ENDED 19 OR FROM 19 TO 19

GROSS PROFITS ON SALES FOR THE SAME PERIOD	
EXPENSE OF CONDUCTING BUSINESS " " " "	
NET PROFIT ON SALES " " " "	
OTHER INCOME INCLUDING INVESTMENTS " " " "	
AMOUNT WITHDRAWN FROM BUSINESS FOR PERSONAL USE	
AMOUNT CHARGED OFF FOR DEPRECIATION	0

BUILDINGS: COST $ None AGE DEPRECIATION

AVERAGE TERMS ON SALES AVERAGE TERMS ON PURCHASES

(OVER)

MACHINERY AND EQUIPMENT: COST $ 5000 DEPRECIATION $ 500 CONDITION Good

FURNITURE AND FIXTURES: COST $ 2000 DEPRECIATION $ - CONDITION Good

STATEMENT: IS IT BASED ON ACTUAL INVENTORY? No IF SO, DATE _____ IF NOT, HOW Figuring About What I Got

VERIFICATION: HAVE THE BOOKS BEEN AUDITED BY A PUBLIC ACCOUNTANT? No IF SO, NAME AND DATE OF AUDIT _____

REAL ESTATE SCHEDULE

DESCRIPTION	NATURE OF IMPROVEMENTS	VALUE ASSESSED	VALUE CASH	MORTGAGES	EQUITY
Deming Ranchettes	None	$495		$83	
Mining Claims	Normal	$500,000		0	

IN WHOSE NAME IS TITLE TO ABOVE REAL ESTATE RECORDED? Triple S Land Corporation, Albuquerque, N.M.

IS REAL ESTATE HELD IN FEE SIMPLE OR LEASEHOLD? No

HAVE YOU ANY DELINQUENT TAXES? None IF SO, HOW MUCH? - ON REAL ESTATE $ _____ ON PERSONAL PROPERTY $ _____

FEDERAL INCOME TAXES DUE $ None STATE INCOME TAXES DUE $ _____ OTHER TAXES DUE $ _____

LIST OF STOCKS AND BONDS OWNED

NAME OF CORPORATION	LOCATION	PAR VALUE	ACTUAL VALUE	DATE OF LAST DIVIDEND OR INTEREST	RATE	NATURE OF BUSINESS
Socorro Stage Lines	Socorro, NM	$600	?			Stage Line
Household Finance	USA	?	$79.25	1 Sept 71	2.37/yr	Loan Co.
US Savings Notes	USA	?	$88.12			N.A.

HAVE YOU EVER BEEN ADJUDGED A BANKRUPT? No IF SO, GIVE PARTICULARS _____

ARE YOU A PARTNER IN ANY FIRM? No HAVE YOU ANY PARTNERS IN THIS BUSINESS? _____

JUDGMENTS OR SUITS PENDING AGAINST ME AT THIS TIME $ None

OTHER DATA _____

I, THE UNDERSIGNED, HEREBY SOLEMNLY CERTIFY AND DECLARE THAT THE ABOVE STATEMENT AND REPRESENTATIONS CONSTITUTE A TRUE AND ACCURATE ACCOUNT OF MY FINANCIAL CONDITION AS OF THE DATE FIRST ABOVE GIVEN.

(BEFORE SIGNING, SEE THAT ALL QUESTIONS HAVE BEEN ANSWERED AND ALL BLANKS FILLED.)

DATE _____ 19 ____ (SIGNATURE) _____

WITNESS _____ (ADDRESS) _____

SUBSCRIBED AND SWORN TO BEFORE ME THIS _____ DAY OF _____ 19 ____

_____
(NOTARY PUBLIC IN AND FOR

[SEAL] MY COMMISSION EXPIRES _____ 19 ____

STATEMENTS SUBMITTED TO FEDERAL RESERVE BANK MUST EITHER BE SIGNED ORIGINALS OR CERTIFIED COPIES. IF COPIES ARE FURNISHED, FOLLOWING CERTIFICATE MUST BE OFFICIALLY SIGNED BY MEMBER BANK.

WE HEREBY CERTIFY THAT THE FOREGOING IS A TRUE AND CORRECT COPY OF A SIGNED FINANCIAL STATEMENT OF THE ABOVE MENTIONED INDIVIDUAL, FIRM OR CORPORATION NOW ON FILE IN THIS BANK, AND THAT, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THIS STATEMENT REFLECTS THE TRUE CONDITION OF THE BORROWER.

(NAME OF MEMBER BANK) _____

(OFFICIAL SIGNATURE) _____
(TITLE)

STATEMENTS CERTIFIED BY PUBLIC ACCOUNTANTS MAY, IN THE DISCRETION OF THE DISCOUNT COMMITTEE OF THE FEDERAL RESERVE BANK, BE ACCEPTED

(OVER)

FEDERAL RESERVE BANK OF KANSAS CITY—FORM NO. CD-3

INDIVIDUAL (MERCHANT)

FROM James C. Tebbetts ADDRESS P.O. Box 2518 Campus Station

BUSINESS Metals Limited Claims

TO

FOR THE PURPOSE OF OBTAINING LOANS AND DISCOUNTING PAPER WITH YOU, AND OTHERWISE PROCURING CREDIT FROM TIME TO TIME, I FURNISH YOU WITH THE FOLLOWING STATEMENT AND INFORMATION, WHICH IS AND IS SHOWN BY MY BOOKS TO BE A TRUE AND CORRECT STATEMENT OF MY FINANCIAL CONDITION ON

_____ 19___

I AGREE TO AND WILL NOTIFY YOU IMMEDIATELY IN WRITING OF ANY MATERIALLY UNFAVORABLE CHANGE IN MY FINANCIAL CONDITION, AND IN THE ABSENCE OF SUCH NOTICE, OR OF A NEW AND FULL WRITTEN STATEMENT, THIS MAY BE CONSIDERED AS A CONTINUING STATEMENT AND SUBSTANTIALLY CORRECT; AND IT IS HEREBY EXPRESSLY AGREED THAT UPON APPLICATION FOR FURTHER CREDIT, THIS STATEMENT SHALL HAVE THE SAME FORCE AND EFFECT AS IF DELIVERED AS AN ORIGINAL STATEMENT OF MY FINANCIAL CONDITION AT THE TIME SUCH FURTHER CREDIT IS REQUESTED.

(FILL ALL BLANKS, WRITING "NO" OR "NONE" WHERE NECESSARY TO COMPLETE INFORMATION)

ASSETS

	THOUSANDS	HUNDREDS	CENTS
CASH ON HAND AND IN BANK			
BILLS (NOTES) RECEIVABLE, ALL GOOD, DUE FROM CUSTOMERS			
ACCOUNTS RECEIVABLE, " " " " "			
MERCHANDISE FINISHED (HOW VALUED _____)			
" UNFINISHED (HOW VALUED _____)			
" RAW MATERIAL (HOW VALUED _____)			
TOTAL QUICK ASSETS			
INVESTMENTS: BONDS AND STOCKS (LIST ON REVERSE SIDE HEREOF)			
ACCOUNTS (AND NOTES) RECEIVABLE, DOUBTFUL (FACE VALUE $ _____) ESTIMATED WORTH			
MACHINERY AND EQUIPMENT (COST _____)	32	105	00
FURNITURE AND FIXTURES (COST _____)			
TOWN OR CITY REAL ESTATE (AT ACTUAL MARKET VALUE)			
COUNTRY REAL ESTATE 60 ACRES Socorro COUNTY	60	000	00
OTHER ASSETS AND OF WHAT COMPOSED: Johnson Cabin	3	500	00
Maher Cabin	2	000	00
40 Mining Claims	8	000	00
30 Mining Claims	90	000	00
18 Mining Claims	40	000	00
TOTAL	235	605	00

SPECIFY ANY OF ABOVE ASSETS PLEDGED AS COLLATERAL

LIABILITIES

	THOUSANDS	HUNDREDS	CENTS
BILLS (NOTES) PAYABLE, GIVEN FOR MERCHANDISE		650	00
BILLS (NOTES) PAYABLE, MONEY BORROWED FROM BANKS			
BILLS (NOTES) PAYABLE, OTHER THAN THE ABOVE	6	000	00
OPEN ACCOUNTS PAYABLE, NOT DUE			
" " " PAST DUE			
OWING TO RELATIVES AND FRIENDS	10	000	00
DEPOSITS OF MONEY BY RELATIVES, EMPLOYES AND OTHERS			
LIENS OR INCUMBRANCES ON MERCHANDISE OR OTHER ASSETS ASIDE FROM REAL ESTATE MORTGAGES			
CHATTEL MORTGAGES ON _____			
MORTGAGES ON TOWN OR CITY REAL ESTATE (DUE _____)			
MORTGAGES ON COUNTRY REAL ESTATE (DUE _____)			
OTHER LIABILITIES AND OF WHAT COMPOSED			
TOTAL LIABILITIES	16	650	00
NET WORTH			
TOTAL	16	650	00

SPECIFY ANY OF ABOVE LIABILITIES SECURED BY COLLATERAL

CONTINGENT LIABILITY: (NOT INCLUDED IN ASSETS ENUMERATED ABOVE) UPON ACCOMMODATION, EXCHANGED OR ENDORSED PAPER, $ 0

UPON NOTES RECEIVABLE OF CUSTOMERS, DISCOUNTED OR SOLD $ 0 UPON CONSIGNED GOODS $ 0 ALL OTHER $ 0

INSURANCE: ON MERCHANDISE $ 0 BUILDINGS $ 0 MACHINERY $ 0 TOTAL INSURANCE 0

BUSINESS LIFE INSURANCE: TO WHOM PAYABLE None AMOUNT

BUSINESS RESULTS: ANNUAL SALES FOR THE YEAR ENDED _____ 19___ OR FROM _____ 19___ TO _____ 19___

GROSS PROFITS ON SALES FOR THE SAME PERIOD			
EXPENSE OF CONDUCTING BUSINESS " " " "			
NET PROFIT ON SALES " " " "			
OTHER INCOME INCLUDING INVESTMENTS " " " "			
AMOUNT WITHDRAWN FROM BUSINESS FOR PERSONAL USE			
AMOUNT CHARGED OFF FOR DEPRECIATION			0

BUILDINGS: COST $ 5,500.00 AGE 18 yrs & N/A DEPRECIATION None

AVERAGE TERMS ON SALES None AVERAGE TERMS ON PURCHASES None

(OVER)

MACHINERY AND EQUIPMENT: COST $ 32,105.00 DEPRECIATION $ 0 CONDITION Fair

FURNITURE AND FIXTURES: COST $ None DEPRECIATION $ _____ CONDITION _____

STATEMENT: IS IT BASED ON ACTUAL INVENTORY? No IF SO, DATE _____ IF NOT, HOW Acquisition & Use

VERIFICATION: HAVE THE BOOKS BEEN AUDITED BY A PUBLIC ACCOUNTANT? No IF SO, NAME AND DATE OF AUDIT _____

REAL ESTATE SCHEDULE

DESCRIPTION	NATURE OF IMPROVEMENTS	VALUE ASSESSED	VALUE CASH	MORTGAGES	EQUITY
60 Acres Patented Land	Normal	$60,000.00			
40 Mining Claims	Normal	$ 8,000.00			
30 Mining Claims	Normal	$90,000.00			
8 Mining Claims	Normal	$40,000.00			

IN WHOSE NAME IS TITLE TO ABOVE REAL ESTATE RECORDED? _____

IS REAL ESTATE HELD IN FEE SIMPLE OR LEASEHOLD? No

HAVE YOU ANY DELINQUENT TAXES? No IF SO, HOW MUCH? - ON REAL ESTATE $ _____ ON PERSONAL PROPERTY $ _____

FEDERAL INCOME TAXES DUE $ None STATE INCOME TAXES DUE $ _____ OTHER TAXES DUE $ _____

LIST OF STOCKS AND BONDS OWNED

NAME OF CORPORATION	LOCATION	PAR VALUE	ACTUAL VALUE	DATE OF LAST DIVIDEND OR INTEREST	RATE	NATURE OF BUSINESS
None						

HAVE YOU EVER BEEN ADJUDGED A BANKRUPT? No IF SO, GIVE PARTICULARS _____

ARE YOU A PARTNER IN ANY FIRM? No HAVE YOU ANY PARTNERS IN THIS BUSINESS? No

JUDGMENTS OR SUITS PENDING AGAINST ME AT THIS TIME $ None

OTHER DATA _____

I, THE UNDERSIGNED, HEREBY SOLEMNLY CERTIFY AND DECLARE THAT THE ABOVE STATEMENT AND REPRESENTATIONS CONSTITUTE A TRUE AND ACCURATE ACCOUNT OF MY FINANCIAL CONDITION AS OF THE DATE FIRST ABOVE GIVEN.

(BEFORE SIGNING, SEE THAT ALL QUESTIONS HAVE BEEN ANSWERED AND ALL BLANKS FILLED.)

DATE _____ 19 ____ (SIGNATURE) _____

WITNESS _____ (ADDRESS) _____

SUBSCRIBED AND SWORN TO BEFORE ME THIS _____ DAY OF _____ 19 ____

_____ (NOTARY PUBLIC IN AND FOR

[SEAL] MY COMMISSION EXPIRES _____ 19 ____

STATEMENTS SUBMITTED TO FEDERAL RESERVE BANK MUST EITHER BE SIGNED ORIGINALS OR CERTIFIED COPIES. IF COPIES ARE FURNISHED, FOLLOWING CERTIFICATE MUST BE OFFICIALLY SIGNED BY MEMBER BANK.

WE HEREBY CERTIFY THAT THE FOREGOING IS A TRUE AND CORRECT COPY OF A SIGNED FINANCIAL STATEMENT OF THE ABOVE MENTIONED INDIVIDUAL, FIRM OR CORPORATION NOW ON FILE IN THIS BANK, AND THAT, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THIS STATEMENT REFLECTS THE TRUE CONDITION OF THE BORROWER.

(NAME OF MEMBER BANK) _____

(OFFICIAL SIGNATURE) _____

(TITLE)

STATEMENTS CERTIFIED BY PUBLIC ACCOUNTANTS MAY, IN THE DISCRETION OF THE DISCOUNT COMMITTEE OF THE FEDERAL RESERVE BANK, BE ACCEPTED

(OVER)

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
RESEARCH AND DEVELOPMENT | SOCORRO, NEW MEXICO 87801

January 5, 1972

Mr. J.R. Stahl
Hard Materials, Inc.
343 Korber Building
Albuquerque, New Mexico 87101

Dear Mr. Stahl:

Mr. Jim Tibbets has asked me to write you regarding his capability in operating his mining operation.

I have known Jim since 1958 when he was an auto and truck mechanic for me at Socorro Motor Co., here in Socorro.

Jim has the ability to figure out the mechanics on almost anything. When I sold the Motor Co. he worked for me doing carpentry, electrical, painting and some plumbing. He is also a very good welder. He can adapt to almost any trade with very little training and does a fine job at almost anything he tries. By no means is he lazy or slow. He is a good planner for jobs in the future. This is why I used him as a foreman or leadman. He is very conscientious and compatable with his fellow workers.

As to his ability to ran or manage a mining operation, I am not qualified to answer, as I know absolutely nothing about this industry. With the experience I have had with Jim, if he says he can do the job, I would put my money on him.

If you need additonal information about Jim, do not hesistate to contact me.

Sincerely yours,

R.L. Gibson
Plant Superintendent

RLG:cej

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 28

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 7 1971

INITIALS	CODE

October 4, 1971

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Through: Assistant Chief, Office of Minerals Exploration

Subject: Application for financial assistance

Transmitted herewith is an application for financial assistance in minerals exploration by Mr. Jonathan Roy Stahl of P.O. Box 223, Socorro, New Mexico, 87801 to explore for Gold and Silver at the Gofor and Spires Mines, Socorro County, New Mexico.

The applicant proposes a diamond drilling program to explore for new and undiscovered reserves of gold and silver, at a total estimated cost of $73,941.22. Several conferences have been held with Mr. Stahl and his associate Mr. James Tebbetts during their preparation of the application. They were advised that their property was essentially in the prospective stage. They did, however, revise the original application and reduce the estimated cost considerably.

No letters of request to the Banks were included with the application, just the replies from the American Bank of Commerce, The First National Bank of Albuquerque, and the Albuquerque National Bank.

Mr. Stahl is presently leasing the Gofor Claims from Mary K. Tebbetts, P.O. Box 2518, Campus Station, Socorro, New Mexico, 87801, a copy of the lease is included under item 2-A of the application. No lien or subordination agreements have been executed, as we advised him not to execute the agreements unless a proposed contract was imminent.

The applicant's financial eligibility is certainly in question. He proposes to use some $27,000.00 worth of mining equipment and 60 acres of patented land having an estimated value of $1,000 per acre as security while doing the diamond core drilling to prove that the subsurface ore bodies are as rich as surface sampling indicates.

Nineteen samples taken from the Gofor Claim, assayed an average of 0.40 oz. Au, 0.53 oz. Ag and 0.93 percent Cu per ton. At current prices (9/3/71) this ore would have a gross value of $24.49 per ton.

The applicant reports that early day production was shown as having come from the Wheel of Fortune or the Old Soldier mine, but that an old miner named August Riviere sold most of the gold and silver ores to other mine owners to upgrade their own ore before shipping it to the smelters at Magdalena or Kelly. The applicant reports that production from the Wheel of Fortune mine totalled only 55 tons over a 10 year period between 1908-1918. Grade of the ore averaged 1.4 oz. Au, 151 oz. Ag and about 56 percent Cu per ton; however, there has been no such production since that date.

The New Mexico School of Mines Bulletin No. 8, "The Ore Deposits of Socorro County, New Mexico", by S. G. Lasky, 1932, pages 44, 45 and 46, states that the Iron Cap Vein in Mill Canyon consisted of a silicified shear zone some 14 feet wide in andesite and rhyolite. There were no sulphides visible in the outcrop, but there were traces of pyrite, chalcocite, covellite, and malachite at a depth of about 35 feet below the outcrop in a 100-foot adit which was driven to cut the vein.

At the Cuprite or Wheel of Fortune Mine, also in Mill Canyon, a good body of copper ore has been mined near the surface. The deposit is on the north side of the canyon about a mile west of the Iron Cap workings and 200 feet lower in elevation. The ore body occurred in a fissure zone about 25 feet wide running N. 20-25° W. The country rock is an andesite with large phenocrysts of plagioclase in a groundmass composed chiefly of small laths and grains of feldspar and a sparing amount of ferro-magnesium constituents. The copper appears as replacement of the shattered porphyry which has suffered a great deal of alteration along the vein. Its present concentrated form is apparently due to oxidation and secondary enrichment. The ore body which has been almost entirely mined out contained a notable amount of covellite, malachite, and chrysocolla with a trace of primary chalcopyrite. The bottom of the workings at a depth of 75 feet in places still shows narrow stoping widths of mill ore, mostly copper carbonate and silicate. A basic dike cutting the ore body shows films of copper carbonate along the joints. The ore shoot seems to have been a pipe-like body about 50 feet long - 10 to 25 feet wide and at least 75 feet deep.

Before 1919 about 300 tons of ore are said to have been shipped to smelters at Douglas, Arizona, and El Paso, Texas, which returned $700 and $900.00 a car. The ore contained 6 to 9 percent copper and $6.00 in gold per ton.

The Old Soldier Vein in Mill Canyon strikes northwest and dips steeply to the northeast. Mineralization occurs in a sheeted zone about 25 feet wide in andesite. The chief gangue mineral, which is black manganiferous calcite has completely replaced the original rock in places. A small amount of galena occurs with the calcite. Most of the surface openings are caved. The vein is said to have been cut off in the shaft by a westward dipping fault at a depth of about 225 feet.

A number of samples taken by the applicant, on a grid pattern for the Spires and Gofor Tunnel site range from 0.002 to 2.0 oz. Ag, but average only 0.031 oz. Ag per ton. Another group of samples, G1 through G-10, taken on the Gofor claims showed consistently very low grade material.

The applicant's proposed program includes improvement of an existing access road to allow for transportation of drilling equipment to probable drill sites, as well as to build 1 1/2 miles of road in the Cebola National Forest. The road through Forest Service ground will of necessity have to meet requirements of a 14 foot width as well as to maintain an 8 percent grade. Costs for the road are certainly beyond the applicant's financial capability at present.

The drill holes are designed to essentially prospect zones of probable mineralized material at depth, define thickness, and determine the local stratigraphic positions of the various layers of andesites as well as to obtain the extent of vein and fissure zones below sampled areas. The targets as described by the applicant are certainly prospective at best, and not exploratory.

The applicant also includes a number of costs that would not be included in a contract, as a part of their proposed share of the exploration work. These costs are itemized on page 1-c of the application. Two items include a 20 year old (1951) Studebaker Weazel and a 1942 Chevrolet 6 x 6 truck. The applicant somehow owns a 1970 Land Rover.

The applicant, we believe, is hardly able to carry on such a program financially, and there is some question as to his ability to successfully carry out an exploration program.

J. William Hasler

J. William Hasler
Field Officer, Region III
Office of Minerals Exploration

Enclosure

Approval expires Dec. 1971

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY O. M. E. RECEIVED OCT 7 1971 INITIALS CODE

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85—701 (72 Stat. 700; 30 U.S.C. 641)

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

JONATHAN ROY STAHL
P.O. BOX 223
SOCORRO, N.M.
87801

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: OME 6859

DATE RECEIVED: 10/7/71

REGION: III

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [X]
- CORPORATION [ ]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: NA

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
NA		

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: GOLD & SILVER

ESTIMATED COST OF PROJECT: $3,941.92

PROPERTY NAME	LOCATION COUNTY	STATE
GOFOR MINE & SPIRES MINE	SOCORRO	N.M.

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. II). 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 two 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 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. 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 3(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 Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, Washington, D. C. 20242, or with the nearest OME 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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

Aug 17, 1971
DATED

Jonathan Roy Stahl
BY (Signature)

Mining Engr.
TITLE

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. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include (1) true copies of your letters to credit sources which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) true copies of replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) 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 adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

3. 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 land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a)

(c) State, if 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, giving quantities and grades.

(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) 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. State your reasons for expecting to find ore.

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

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property state name, address, and telephone number of person who will meet him, give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and sections as necessary. Show 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 *land boundaries* or to the closest identifiable corner.

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

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs for time and materials *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or 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. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and price of each. 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 equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i. e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *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 in the exploration work.

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

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(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*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance) and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

August 17, 1971

Dear Sir:

I would like to obtain a loan to complete the exploration of my mining property in the Magdalena Mountains.

I have found that surface sampling and geologic mapping show the area to be possibly richer than I had originally supposed, as you will notice on the enclosed assay report.

The old mines have been mapped and sampled already and could be reopened and made to produce with very little additional expenditure.

I would like to do a more extensive exploration in order to determine the extent of the sub-surface mineralization.

Bids for diamond core drilling and construction of the access road into the ore veins come to $ 47,500.00.

I have estimated the costs of living quarters, food, wages, and miscellaneous expenses to be about $3,000.00 per month for the 5 month period it will take to complete the sub-surface exploration. Therefore, I am submitting that the amount of the loan from you will be $ 62,081.82.

I have, at present, approximately $ 27,000.00 in mining equipment and 60 acres of patented land, estimated to be worth $ 1,000.00 per acre, to use as security while I do the diamond core drilling to prove the sub-surface ore bodies are as rich as the surface samplings indicate.

My surface assets would cover the first stages of diamond core drilling and once this is completed, the known ore reserves of the sub-surface ore bodies would be security for the final stage of exploration and development of the mine.

I would appreciate your discussing this with the bank directors, to see if they will allow the bank to loan the money I need to complete the exploration.

Thank you,

John Stahl

Mr. Jon Stahl
P.O. Box 223
Socorro, New Mexico

GOFOR CLAIMS

Five assays per outcrop

averaged

Assay Report

Sample	Gold	Silver	% Copper	Value per ton
C - 1	.14	.29	.013	5.60
C - 2	.87	.32	.72	34.80
C - 3	.06	.58	.45	1.20
C - 4	.50	1.03	.06	20.00
C - 5	.50	.08	.07	12.00

AC - 1	.015	.2	.33	.40
- 2	.005	.25	.68	-----
- 3	.005	.5	1.15	-----
- 4	.003	.08	.34	-----
- 5	.090	.5	8.15	3.60

- 6	.020	1.3	.15	-----
- 7	1.340	.8	.10	52.60
- 8	.004	.6	.53	-----
- 9	.003	1.06	2.18	-----
- 10	.004	.1	.33	-----

- 11	2.430	.5	.72	97.20
- 12	.003	.25	.45	-----
- 13	1.560	1.3	1.33	62.40
- 15	.090	.5	.45	3.60

19

AMERICAN
BANK OF
COMMERCE

STANLEY G. LANE
Assistant Vice President

August 19, 1971

Mr. Jon Stahl
Post Office Box 223
Socorro, New Mexico

Dear Mr. Stahl:

After reviewing the documents you have presented, we regret that we cannot make the $62,081.82 loan you have requested to complete the exploration of your mining property in the Magdalena Mountains.

Sincerely,

AMERICAN BANK OF COMMERCE

Stanley G. Lane

Stanley G. Lane
Assistant Vice President

:rmj

The First National Bank in Albuquerque

Main Office

August 19, 1971

Mr. Jon Stahl
P. O. Box 223
Socorro, New Mexico

Dear Mr. Stahl:

I regret to inform you that I am unable to grant your request for a loan in the amount of $62,081.82, for the purpose of completing the exploration of your mining property in the Magdalena Mountains.

Very truly yours,

J. M. Oleyar, III
Assistant Vice President

JMO/po

P.O. Box 1305 / Albuquerque, New Mexico 87103 / Telephone (505) 842-2000

ALBUQUERQUE NATIONAL BANK

ALBUQUERQUE, NEW MEXICO

CHARLES K. CAMPBELL, ASSISTANT VICE PRESIDENT

August 19, 1971

Mr. Jon Stahl
P.O. Box 223
Socorro, New Mexico

Dear Mr. Stahl:

I am sorry to inform you that our Loan Committee has declined your request for the Albuquerque National Bank to participate with the Small Business Administration in the $62,081.82 loan for which you applied.

Sincerely,

Charles K. Campbell
Assistant Vice President

CKC/nc

P. O. BOX 1344 ALBUQUERQUE, NEW MEXICO 87103 TELEPHONE 505/765-2211

1 - B Names of Affiliated Companies or Organizations

There are no affiliated, parent, or controlling companies or organizations.

1 - C - Our Proposed Share of the Cost of the Exploration Work

Clean up drill stations after work has been completed.

Pay for geochemical and geophysical analysis on the exploration area as it is being cored and the geological and stratigraphic mapping of the area.

Supplying the water for the core drilling.

Leasing Jaeger 105 Air Compressor and Thor Jack Hammer, hose, steels, bits, a Jaeger Dixie Special 2 drum Hoist, a 5 KW Light Plant, GE 300 Amp Welder, Octo-Acetylenet Welder, and miscellaneous equipment as needed.

Leasing for transportation a 1951 Studebaker Weazel, a 1942 Chevrolet, 6 X 6, and a 1970 Land Rover.

Furnish cash for incidental expenses not allowed for in the contract.

Leasing the existing cabins for living facilities for the supervisor, laborer, geologist, and visiting consultants.

Pay for outside consultants not on the contract.

Pay for all laborers that will be needed and not specified on the contract.

2 - A My Interests in the Land and Mineral Rights

I am, at present, leasing the Gofor Claims and mines from Mary K. Tebbetts, P.O. Box 2518, Campus Station, Socorro, New Mexico 87801.

LEASE FOR MINING PURPOSES

This agreement of lease made and entered into this 15th day of May, 1971, by and between Mary K. Tebbetts, as leasor, and Jon Stahl, as leasee. Witnesseth:

That the leasor for and in consideration of 100 dollars, cash in hand paid, by leasee, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the leasee to be paid, kept and performed, does grant, convey, demise, and let exclusively unto the said leasee that certain tracts of land situated in Mill Canyon mining district, county of Socorro, state of New Mexico, described as follows:

GOFOR TUNNEL SITE

Said claim is located in Sections 30 - 31, Township 3 South, Range 3 West, N.M.P.M., and the area thereof is more particularly described as follows, to-wit:

The tunnel is 800 feet eastnortheast of Johnson's cabin, 1500 feet southeast, 3000 feet northeast to the crest of Magdalena Mountains, 3000 feet northwest along the crest, 3000 feet southwest, 1500 feet southeast to the point of start.

GOFOR MINE

Said claim is located in Sections 30 - 31, Township 3 South, Range 3 West, N.M.P.M., and the area is thereof more particularly described as follows, to-wit:

This mine is located in claim 1 of the above described tunnel site.

TNT MINE

Said claim is located in Sections 30-31, Township 3 South, Range 3 West, N.M.P.M., and the area thereof is more particularly described as follows, to-wit:

This mine is located in claim 7 of the above described tunnel site.

SPIRES MINE

Said claim is located in Sections 30 - 31, Township 3 South, Range 3 West, N.M.P.M., and the area thereof is more particularly described as follows, to-wit:

This mine is located in claim 6 of the above described tunnel site.

for the sole purpose of exploring, operating and mining precious and other minerals and to sell the products thereof and to pay to the leasor a royalty of 30 per cent of the net proceeds within ten days after settlement for each clean up.

The leasee agrees to keep said premises free and clear of all costs, liens, and incumbrances done, made, or suffered by permit, the leasor to place and maintain in a conspicuous place upon said premises such notice as shall be lawfully necessary to protect the leasor against such claims.

All machinery and improvements placed upon said premises by the leasee may be removed by him within 90 days after the termination of this lease.

It is agreed that this lease shall remain in force for as long as the tract of land is producing.

Witness our hands the day and year first above written.

Jon R. Stutz Mary K. Tibbetts

State ~~of~~ New Mexico)
Bernalillo) ss.
County of ~~Socorro~~)

On this 15th day of May 1971, before me a notary public for the said county of Bernalillo personally come John R. Stahl Mary K. Tebbetts to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that he executed the same.

William C. Darden
Notary Public

My Commission Expires

June 8, 1971

2 B

GOFOR TUNNEL SITE

GOFORS CLAIMS

Legal Description

Section No.	31
Township	3 South
Range	3 West
Size	10 Claims
Patent No.	NONE
Book No.	301
Page No.	265

ALL NAMES OF PROPERTY

Gopher

Gofor No. 1

Christopher No. 1

Christopher No. 2

Spires

Frenchy's Gold Mine

Morning Star

Description of Known Ore Reserves

Engineering Report

Gofor's Mining System

Compiled 25 June 1971

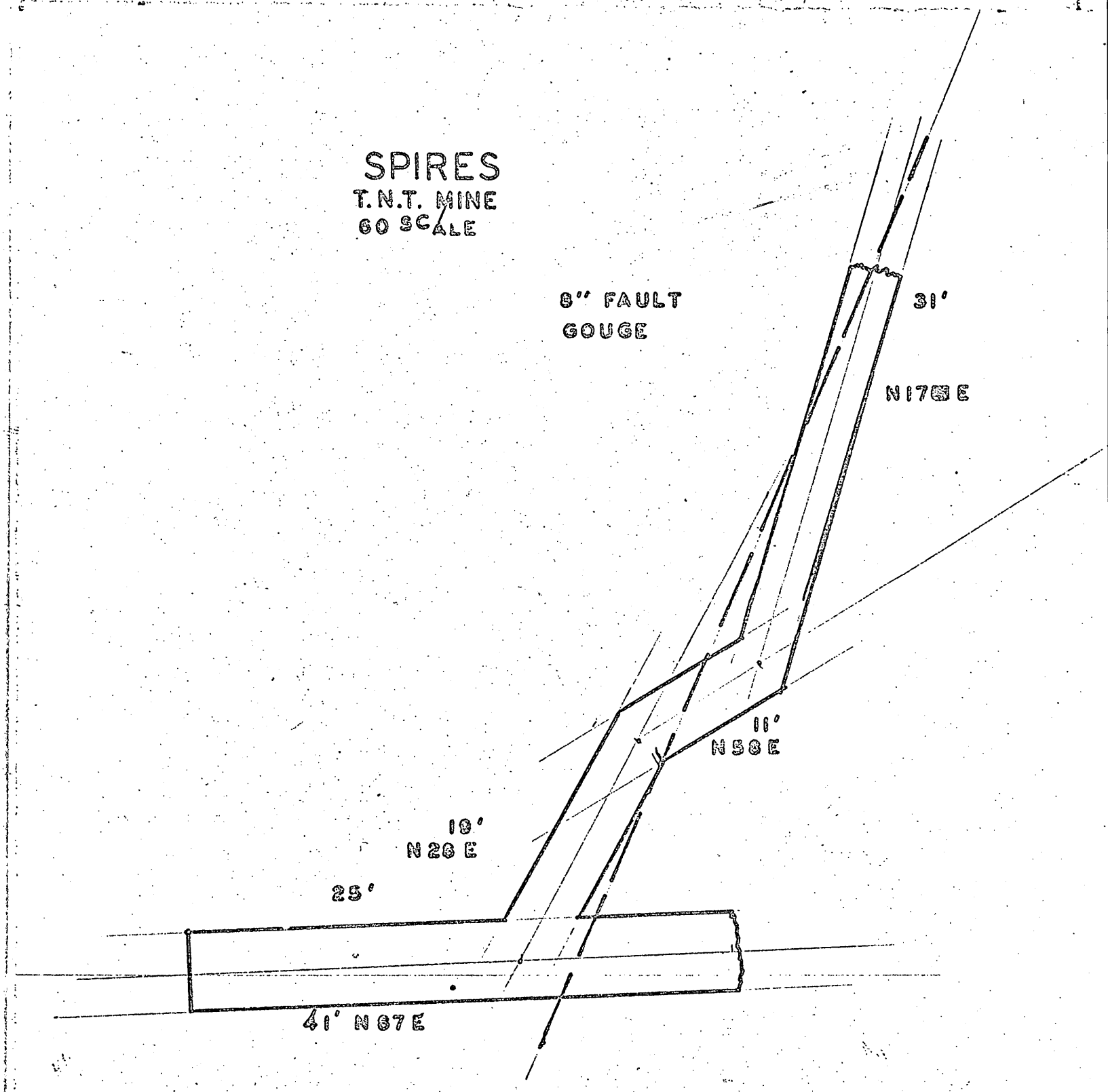
By Jonathan Roy Stahl

All mines, shafts, and pits are located East-North-East of 'Frenchy's Cabin' in the Mill Canyon Mining Sub-district, North Magdalena Mining District, Socorro County, New Mexico.

The system starts 500 yards upslope from the cabin with a prospect pit (Gofor #1). A six inch wide Gossan streak was noted and sampled. The Gofor #2 is 120 yards upslope and consists of an adit 50 feet into a shaft. The shaft is blocked 15 feet down by fallen rock from the sides of the shaft. From the surface to the adit level the shaft is open for 45 feet. The shaft deviates from the vertical by 10°. Approximately 10 yards above the surface location of this shaft is an open cut (Gofor #3). This is 10 feet by 30 feet with a 15' X 15' area at the face. Gofor #4 is 100 yards further upslope. It goes in on a zone of movement as indicated by clay veins. Twenty-five feet in from the start of the adit a drift 60 feet in length turns off to the north. The adit then continues 20 feet further east. There was no apparent mineralization in Gofor #4 unless the clay is decomposed calcite. Gofor #5 is an open cut 75 yards upslope from #4. Several veins of quartz were noted and sampled. Gofor #6 is a shaft located 40 yards upslope from #5. The shaft is filled with water to within 35 feet of the surface. Total depth is unknown. A three to five inch quartz vein is what the shaft appears to be sunk upon.

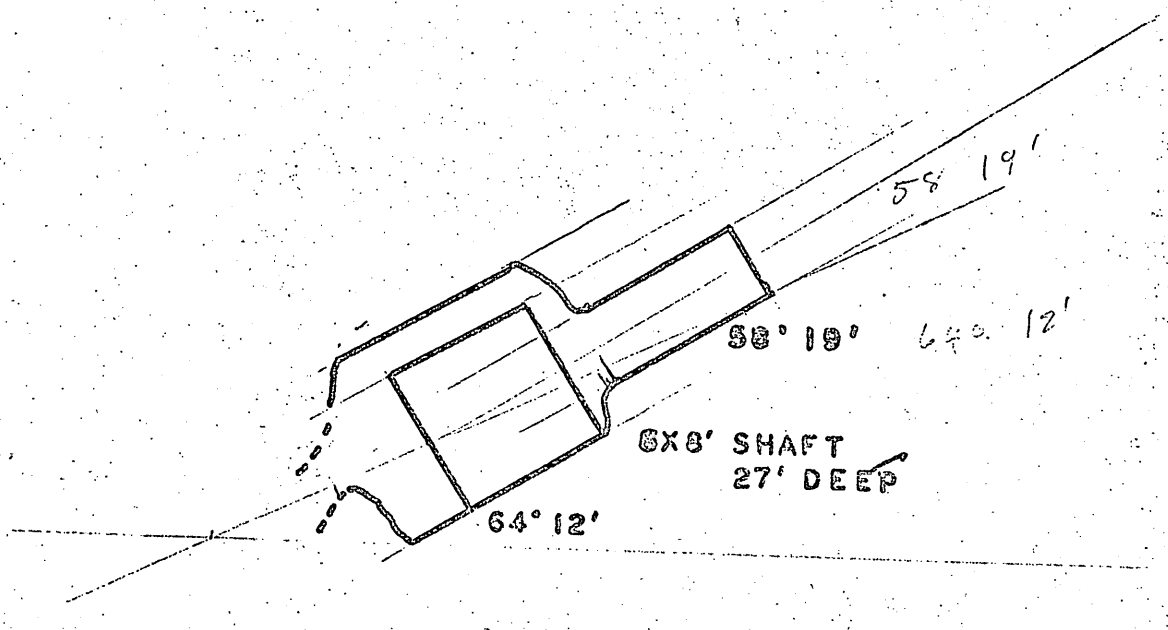
Further upslope (approximately 75 yards) there is an extensive dump from a prospect pit. It appears that a sizeable mine is hidden somewhere on that slope.

3 - A


SPIRES
T.N.T. MINE
60 SCALE
8" FAULT
GOUGE
31'
N17E
11'
N58E
19'
N26E
25'
41' N67E

3 - A

SPIRES
CLOSED ADIT



Production Records

Augustus Riviere had several mines in the Mill Canyon area, Wheel of Fortune - Iron Cap - Gofor - Spires - Old Soldier, but shipped everything as either Wheel of Fortune or Old Soldier.

Several of the old miners that have lived in the area tell me that Riviere (Frenchy) sold most of the gold and silver ores to the other mine owners in the Magdalena Mountains to use in upgrading their own ores before shipping to the smelters at Magdalena or Kelly.

There is a possibility that Socorro Field Office of Mineral Exploration of the U.S. Bureau of Mines would have other production records on microfilm which as confidential material we do not have access to these records.

WHEEL OF FORTUNE

Year	Ore St Tons	Gold Oz	Silver Oz	Cu lbs	Pb lbs	Zn lbs
1908	25	3.50	350	3,288		
1913	11	1.19	135	942		
1917	9	.01	12	742		
1918	10	1.00	147	1,262		
	55	11.13	161.3	6,234		

3 - B Interests in Other Areas

I have no interests in other claims or mines in the area. I have worked with other claim holders in the district as consultant for their mining.

3 - D Description of Known Ore Reserves

Engineering Report

Gofor's Mining System

Compiled 25 June 1971

By Jonathan Roy Stahl

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Further upslope (approximately 75 yards) there is an extensive dump from a prospect pit. It appears that a sizeable mine is hidden somewhere on that slope.

PHELPS DODGE CORPORATION
SILVER CITY EXPLORATION OFFICE
P. O. BOX 1495
SILVER CITY, NEW MEXICO 88061
PHONE: 505-538-3842

NEW YORK OFFICES
300 PARK AVENUE
NEW YORK, N. Y. 10022

WESTERN EXPLORATION OFFICE
DRAWER 1217
DOUGLAS, ARIZONA 85607

July 19, 1971

Mr. James Tebbetts
P. O. Box 223
Socorro, New Mexico 87801

Dear Mr. Tebbetts:

Enclosed for your information are the results of the analysis of the composite sample of ore from the Wheel of Fortune mine and a select sample from the Old Soldier mine. The dark, shiny mineral frequently containing chrysocolla at the Wheel of Fortune mine is hisingerite, a hydrated ferric silicate. This commonly forms after sulfides.

We would like to thank you for presenting your property to Phelps Dodge Corporation. We feel that although your mines may have merit as small producers, they would not be of interest to the Corporation at this time.

I would like to personally thank you for the courtesies you extended me during my examination and wish you the best of luck in your venture.

Very truly yours,

R. E. Geer
District Supervisor

REG:jw

Enclosure

3-E The Geologic Features and Formations of the Property

Geology of Mill Canyon Mining District

On the west edge of the Mining District is a Tertiary Rhyolite flow. The flows terminate at a north-south fault. East of this fault on the south side of North Mill Canyon at an elevation of 8750 ft. a Green Andicite with large feldspars outcrops.

Above the Green Andicite is 600 ft. of Ash flows that contain 20% lithic fragments. The mineralization of the Gofor Tunnel site is con contained within this ash as epithermal ore deposits that parallel the presumed fault in North Mill Canyon. A Rhyolite dike crosses the fault at a 30° angle and crosses the mineralized zone at Spires mine.

A second Andicite with smaller feldspars is above the Ash and is 100 ft. thick topped by a Hornblende Andicite 50 ft. thick. On top of the Hornblende Andicite is a 50 ft. thick layer of very crumbly Andicite. There are secondary quartz veins cutting the Andicite and striking toward the Rhyolite dikes in the lower Ash. The Hornblende Andicite was brecciated and recemented partially with Andicite and partially with calcite. The Andicite and the underlying Ash dip 22° Northwest. The upper section is 700 ft. of Ash flows. These upper flows have been cross cut by quartz stringers that contain some silver and gold. This flow caps the top of the range at 10,250 ft.

On the north side of North Mill Canyon from the west fault is an Andicite ridge that extends northeast to the Rhyolite dikes that cut the fault in North Mill Canyon and the lower Ash flows. This ridge is capped at 10,000 ft. by a thin Ash flows (2") and a Rhyolite breccia and sandstones 25 ft. thick. On the northwest side of the ridge is a Copper deposit in the Andicite porphyry. On the southwest end is an outcrop of Calcite and quartz similar to the Kelly Limestone. North of this outcrop on the northside of the ridge is a Perlite outcrop.

These deposits may be on the east side on the North-South fault that separats the flow Rhyolite from the Andicite north of North Mill Canyon and the Ash flows south of North Mill Canyon.

It is reasonable to assume the mineralization in the lower Ash flows was confined to the more easly fractured Ash by the denser Andicite flows that cap it.

3 - E Geologic Features and Formations

The Mill Canyon Mining District has never been mapped or geologically studied because of the people who have held claims in the area. The claims have changed ownership in the past year and a gridded geochemical analysis of the area and geological mapping are now in progress.

The large number of small ore bodies associated with the minor fractures that surround the area indicate that the probable source of the ore-bearing solutions lies at depth. Pregnant solutions ascending from this hypothetical source could have left large bodies of ore at depth. The present exploration is an attempt to find the igneous source from which the ore-bearing solutions were derived. All the geological studies of the Magdalena Mountains indicate that such a source exists, but it has never been located.

The surface work that has been done in the past year indicates the possibility of deposits larger than those that have been mined. I wish to explore by drilling, from sites to be prepared on the land surface, for silver-gold replacement ore bodies in channels, breccia zones, or dikes along an elongate geochemical anomaly which is coextensive with the outcrop areas that have been mined in the Mill Canyon Mining District.

Ore bodies are inferred in and along the faults and dikes and possibly along the bedding planes in the tertiary (?) volcanics that are west of the primary north-south fault zone of the Magdalena Mountains.

My claims are on the middle part of a feeder system that seems to originate somewhere around Dodson Peak. Core drilling would allow a study of the stratigraphic correlation of the volcanic sediments and would also determine whether the geochemically mapped

anomalies of the small mines in the area correctly represent the location of gold and silver veins. Present evidence indicates that these veins will widen and increase in value as they go down. This could be tested by drilling.

3 - E The Geologic Features and Formations of the Property

Tertiary Igneous Rocks

Intrusive

White rhyolite dikes
Lamprophyre dikes
Pitchstone dikes
Granophyre
Granite
Monzonite aplite dike
Monzonite
Augite andesite
Hornblende andesite
Rhyolite porphyry
Latite porphyry

Extrusive

White felsite tuff
Pink rhyolite
Upper andesite
Red rhyolite
Red andesite
Banded rhyolite
Purple andesite
Upper latite tuff
Lower andesite
Lower latite tuff

Others

Breccia Zone that could be a mud flow or a fault zone
A possible limestone outcrop, this could be, one- a hot spring deposit two- a reworked calcite vein, or three- part of the Kelly limestone formation.
Perlite deposit
Several large calcite veins

3-E The Feologic Features and Formations of the Property.

Geology of Gofor Claims

The Gofor Claims are located on west slope of Dodson Peak between North and South Mill Canyons at an elevation of 9,000 ft. The mineralized zone in within the lower Ash flow of the Hells Mesa member of the Datil formation. These Ash flows dip 22° northwest and are cut by a Rhyolite dike system that parallels the presumed eastwest fault in North Mill Canyon. Another Rhyolite dike system cuts this fault at a 30° angle. The Ash flows are capped by a dense Andicite flow and Hornblende Andicite. The mineralization seems to be confined to the more fractured Ash flows by the denser Andicite and is epithermal in origin.

Methods of Taking Samples

On Dumps

Grab samples were taken on a five foot grid. The samples were taken by driving a 2" I.D. pipe one foot into the ground. The samples were then mixed and split to a suitable size.

On Veins

All samples were taken across the veins. A trench 2" high, 1" deep, and twice the width of the vein on either side of the vein was used.

On Faces

A chip sample across the face, chest high, was taken.

Note: On the Creston Patents, visible gold was seen both in place and on the dump. On the Gofor System, out of 22 samples crushed and panned, 19 had free gold in them.

Sample Maps and Assays

The ore assays show gold and silver in the Iron stained quartz vains that abound around the dike loci. Samples from the dump have been taken at random with a small shevel and a screw type digger. Samples from the mine have been groved from the vain and dikes and again at random. We have tried to exclude any samples that could tend to show a higher mineral content than would be an average.

We have collected many samples that have been crushed and paned at the Mill site and over 75% of all the samples we have ~~#### ~~ crushed and panned, have shown visible gold flecks.

ROBERT E. SMITH
CONSULTANT MINING ENGINEER & ASSAYER
REG. PROFESSIONAL ENGINEER

DR. C. J. M. NORTHRUP, JR.
PHYSICIST & CHEMIST
RESEARCH CONSULTANT

AAL IDENTIFICATION NO. 1341
PLEASE REFER TO ABOVE NUMBER ON ALL CORRESPONDENCE.

ALBUQUERQUE ASSAY LAB, INC.

4115 SILVER, S.E.
ALBUQUERQUE, N.M. 87108
TELE – (505) 268-1228 5776

CUSTOMER:

Metals, Ltd.
Box 223
Socorro, New Mexico 87801

DATE August 5, 1971

QUALITATIVE ☐ SEMI-QUANTITATIVE ☐ QUANTITATIVE ☐

SAMPLE IDENTIFICATION	ELEMENT	ASSAY	ELEMENT	ASSAY
1341 - WTW-2	GOLD (Fire Assay	Trace TROY OZ/TON	PLATINUM (Fire Assay	None Found TROY OZ/TON
Group AA - Fire Assay + Group B	SILVER (Fire Assay)	0.8 TROY OZ/TON	URANIUM (U_3O_8)	.005 %
	COPPER	.048 %	MANGANESE	.13 %
	LEAD	1.90 %	ANTIMONY	Not detected %
	ZINC	.10 %	MOLYBDENUM	.005 %
	IRON	3.30 %	TUNGSTEN	%
	NICKEL	.003 %	MERCURY	Not detected %
	CHROMIUM	.008 %	COBALT	.001 %
			TIN	%

Green Gangue From water shaft

COMMENTS:

THANK YOU

CHARGES $ _____

BY M. A. Sanelli
ASSAYER – CHEMIST

ROBERT E. SMITH
CONSULTANT MINING ENGINEER & ASSAYER
REG. PROFESSIONAL ENGINEER

DR. C. J. M. NORTHRUP. JR.
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AAL IDENTIFICATION No. 1341
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Box 223
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DATE August 5, 1971

QUALITATIVE ☐ SEMI-QUANTITATIVE ☐ QUANTITATIVE ☐

SAMPLE IDENTIFICATION	ELEMENT	ASSAY	ELEMENT	ASSAY
1341 - WTG-1	GOLD (Fire Assay	Trace TROY OZ/TON	PLATINUM (Fire Assay	None Found TROY OZ/TON
Group AA - Fire Assay + Group B	SILVER (Fire Assay)	0.7 TROY OZ/TON	URANIUM (U_3O_8)	.002 %
	COPPER	.033 %	MANGANESE	.46 %
	LEAD	1.88 %	ANTIMONY	Not detected %
	ZINC	.005 %	MOLYBDENUM	Not detected %
	IRON	7.50 %	TUNGSTEN	%
	NICKEL	.008 %	MERCURY	Not detected %
	CHROMIUM	.004 %	COBALT	.002 %
			TIN	%

White Gangue From water shaft

COMMENTS:

THANK YOU

CHARGES $47.80 (Paid)

BY M. A. Sowell
ASSAYER – CHEMIST

X no sample

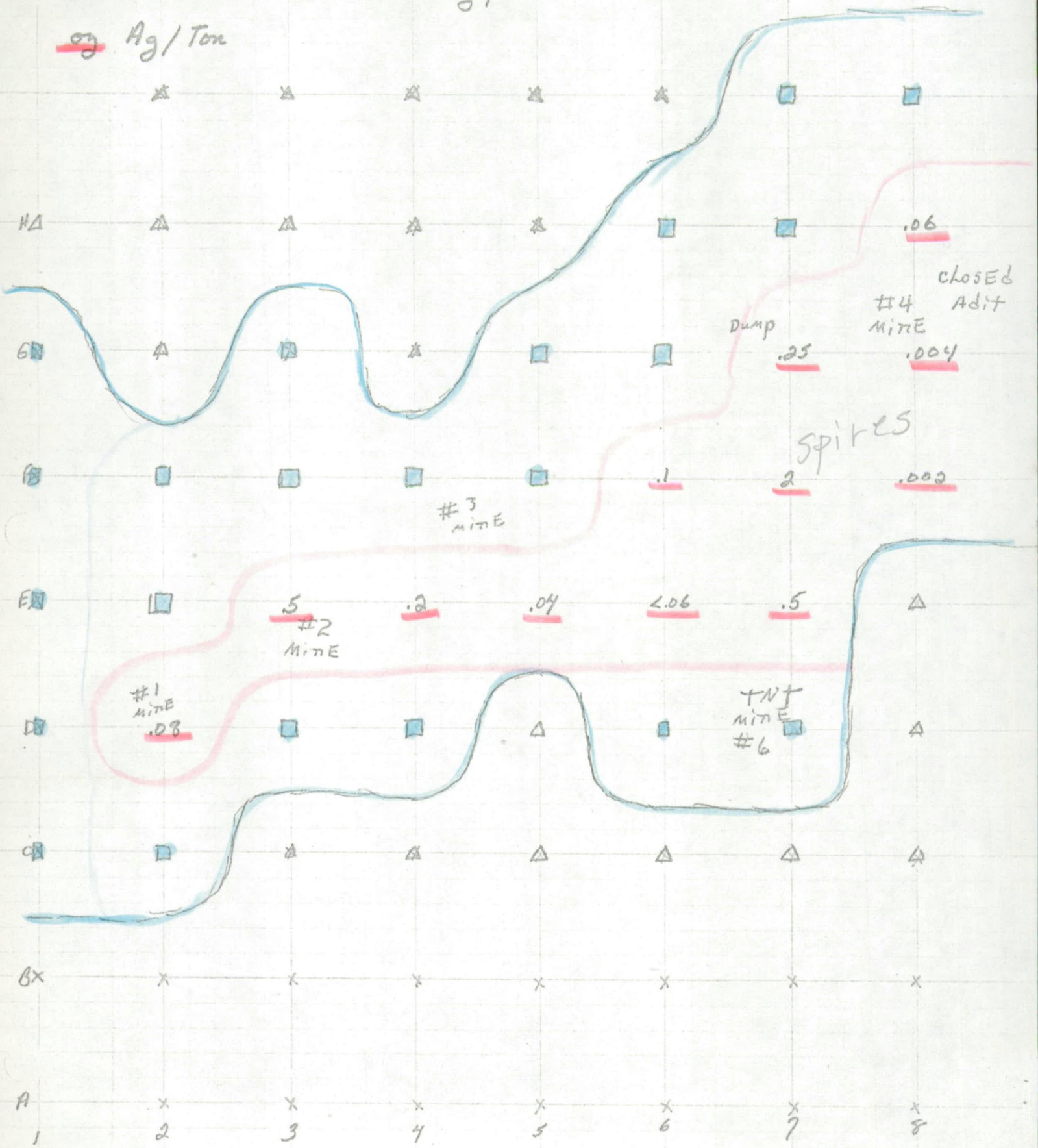
△ none

▢ trace

~~oz~~ Ag / Ton

● Sample Grid for ● Spires and Gofer Tunnel Site

Ag / Ton

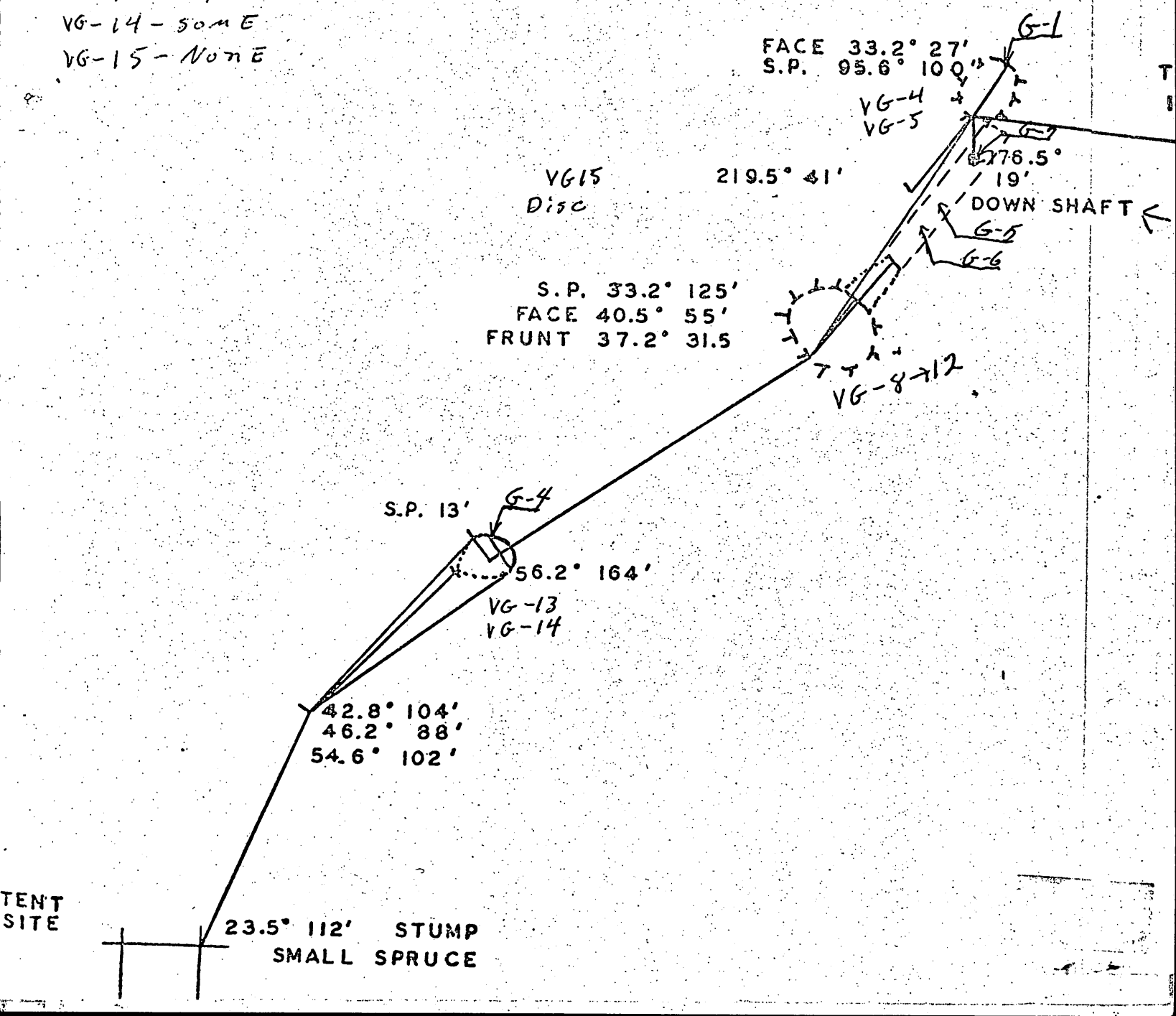


Hand Crushed
+
Panned For Gold

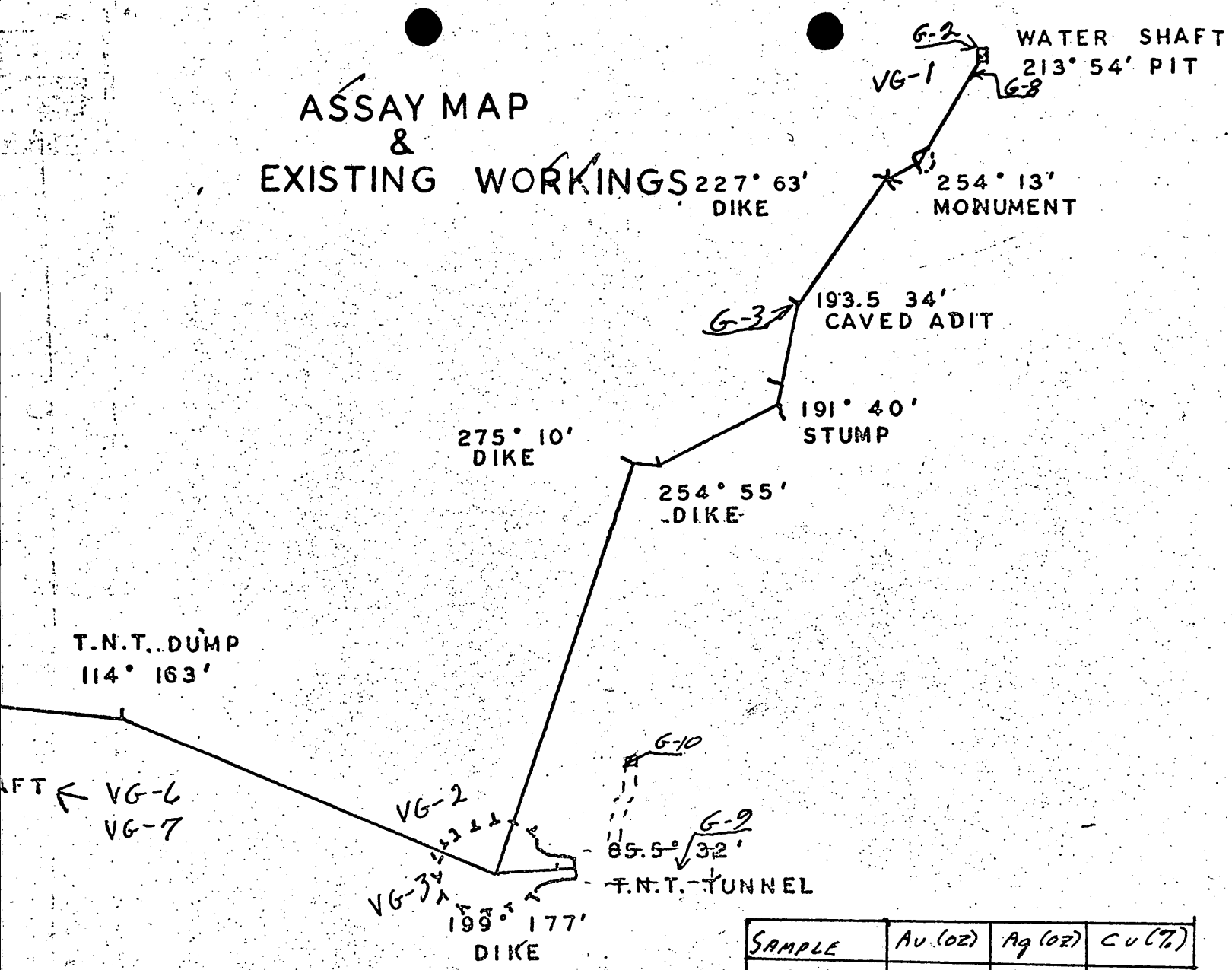
VG-1 - Possible
VG-2 - None
VG-3 - None
VG-4 - Possible
VG-5 - Some
VG-6 - 9 Specs
VG-7 - 12 Specs
VG-8 - Some
VG-9 - Heavy
VG-10 - Heavy
VG-11 - None
VG-12 - Some
VG-13 - 5 Specs
VG-14 - Some
VG-15 - None

GOPOR CLAIMS

60 SCALE



ASSAY MAP & EXISTING WORKINGS



SAMPLE	Au (oz)	Ag (oz)	Cu (%)
G-1	.015	.20	.0133
G-2	.005	.25	.0268
G-3	.005	.50	.115
G-4	<.003	.08	.0034
G-5	.090	.50	.0080
G-6	.020	.30	.0115
G-7	.340	.80	.104
G-8	.004	.60	.0355
G-9	TRACE	<.06	.0218
G-10	TRACE	.10	.0033
ave —	.060	.33	.037

in mine

G7 on Edge of Down shaft

3 - F

DUMP F.G. MINE

Spectrographic Analysis — Date 6/9/71

Semiquantitative - Trace Element
(1-100ppm, 0.0001-0.1%)

Submitted by:
Sample No: 1019 Go For #2
Sample Received: 6/4/71
Analyst: M. Adam

Lab No:
Film No: 350
Analysis Comp: majors Al, CA, Si, FE, Pb, Mg, Zn
Rechecked:

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
1	Ag	3280.68 3382.89	1 1.5	1 ≈.3	9 ≈2	.0001% ≈1	Mo, Mn, Co, Ti Cr	
~~2~~	Al	3944.03 3092.71	1.5 20		major		Te, V, Mg	
3	As	2349.84	1000				no interferences	
4.	Au	2675.95 3122.78	4 40				Fe, Ti, V, Co, W, Cr Fe, Ti, Mo, V, Cr.	
5	B	2496.78 2497.73	7 5				Mo, V, Fe, Sn, W, Cd, Zr Mo, Al, Fe, Ni, Mn, Sn, Ca, V, Co V, Co	
6	Ba	2335.27 4554.04	500 1	interference>.1% 1.7	20	≈1000	W, V, Mo, Co Mo, Zr, Cr	
7	Be	2494.73 2650.47	15 10	possible	too much		interferences	
8.	Bi	2897.98 3067.72	300 10				Be, Zr, W, Fe, Mn, V, Cr Mo, Zn, W, Sn	
9.	Ca X	3179.33 4226.73	70 3	2+ 2+	100 80	≈ ?	Th, Ru, Cr Fe, Cr, Ge, Ce, Tb	possibly FE interference
10	Cd	3261.06	100				Fe, Co	
11	X Co	3044.01 3053.51	40 6				Cr, Zr, Cu, Pb, Mo, Ti, W Mn, Mg, Si, Cr, Ti Cr, Ti	
12	Cr X	4254.35 4274.80	10 15	.8 .8	3 3	.0005% ≈50	Mo, V, W, Bi, Ga, Be Co, W, Zr, Ti	
13	Cu	3273.96	2	2+	60	.002% ≈200	Th, Nb, Tb	
14	Fe	2994.43 3020.64	80 15	2+ 2++	80 90	.15% ≈1500	V, Ni, Sn, Al Mo, Cr, Co, Zr	
15	Ga	2874.24	80	interference			U, Ta, Fe	nothing on other line

*Check MIT table for intensities

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
16	Ge	3039.06	20	interference			Mo, In, Fe, W, Ca, Bi	
		3124.82	1500	1.5	30		V, Cr, Fe, W	
17	Hf	3012.90	60				W, V, Cr, Ag, Mn	
18	Hg	2536.52	60				Fe, Co, W, Bi	
19	In	3256.09	60	2	80		Mo, W, Mn, Fe, Ca	not likely In
		3258.56	100				Fe, Cr, Mo, Si, Mn	
20	Ir	2543.97	80				Co, W, Mn, Fe, V	
		2924.79	80				U, V, W, Eu, Th	
21	K	4044.14	600				Ca, W, Fe	
		4047.20	1000				Ca, Mo, Fe	
22	Li	3232.61	100				Co, Ti, Fe, W, Cd, Pb	
23 X	Mg	3096.90	400	2+	60	.2% ≈2000	Tm, Mn, Nb, Nc, Ti	possibly interference
		3092.99	700	2++	100		Tm, V, U, V, Al	
24 X	Mn	2593.73	7	interference		.01% ≈100	Fe, U, Te, Fe, Na, Fe, Co, Ta	≈2000 ok
		2801.06	15	2+	95		Cr, Zn, W	
25 X	Mo	2816.15	30				Al, Ca, Mn	nothing on other lines
26	Na	3302.32	400				Doublet does not show up below .1%	
		3302.99	600	possible			Mn, Mo, Zn, Ca, Cr, Fe	
27	Nb	2950.88	40				no interference	
		3163.40	15	≈.3-.2	≈3-4		Ta, Ru, W	
28	Ni	3003.63	70	.4	7	.01% ≈100	Cs, Fr, Cr	
		3423.71	80	1.3	10		no interference	
29 X	Pb	2802.00	150	≈1.1	20-30	.03% ≈300	Mo, Ni, Fe, Mn, W, Zn, Mg	
		2833.07	60	2	40		Fe, Zr, In, W, Zn	
30	Pd	3404.58	15				Mo, Zr, W, Fe, In, V	
		3421.24	40				W, Zr, Co, Ni, Mo, Cr	
31	Pt	2929.79	50				Mo, W, Ca, Co	
		3042.64	80				Cr, Mn, Fe, Ti	
32	Re	3451.61	60				no interferences	
		3460.47	40				Mn, Cr, Pd	
33	Rh	3396.85	10				Fe, Mo, Zr	
34	Ru	3417.35	100				Mo, Cd, Fe, Co, V	
		3436.74	30	possible			Co, Ga, Cu	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
35	Sb	2598.06 3267.50	60				Fe,Mn,W Tm,V,Mn	interference
36	Si	2435.16 2524.12	80 30				no interference Sn,V,Ni,Fe	major
37	Sn	2839.99 2706.51	40 90				U,Mn,Cr,Fr,Gd Fe,Ta,V,W,Os	
38	Sr	3464.46	300				Fe,W	
39	Ta	2647.47 3311.16	500 500				W,V,Mn,Fe,Mo Ca,Fe,W,Cr,Zr,Cu	
40	Te	2383.25 2385.76	150 150				W,Mo,Co,V,Cr,Fe Mo,Fe,V,Co,W,Cr	
41	Th	2837.30 3325.13	150 150				Co,Zr Co,Ru	
42	Ti	3349.04 3329.46	40 80	2+ 1.8	90 40	>.1%	Nb,Cu,Cr,Cr Mo,Co	to much interference to be sure
43	Tl	2918.32	800				Fe,Tm,Fe	
44	U	4241.67 2889.63	500 600				Co,Zr,W Fe, Mo,W,Mn,Cr,Zr	
45	V	3118.30 3276.12	30 60	1	15		Re,Co,Os,Mo no interference	hard to tell
46	W	2944.40	100				Ga,Fe,V	interference nothing on other lines
47	Zn	3302.94	400			≈200	Cr,Na,La	interference ≈200 on diff. line
48	Zr	3388.30 3279.27	30 15	.8	6		Lu,Ta,Co Nd,Co	hard to read probably not Zr

3 - F

DUMP F. G. M[illegible]E

Spectrographic Analysis

Date 6/10/71

Semiquantitative - Trace Element
(1-100ppm, 0.0001-0.1%)

Submitted by: TEBBETTS

Lab No:

Sample No: 1021 (big rock)

Film No: 350

Sample Received: 6/4/71

Analysis Comp: Major FE, Mg, Pb, Zn

Analyst: M. Adam

Rechecked:

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
1	Ag	3280.68 3382.89	1 1.5	1.6 1.9	50 40	.002% ≈20	Mo, Mn, Co, Ti Cr	
2 X	Al	3944.03 3092.71	1.5 20				Te, V, Mg	
3	As	2349.84	1000				no interferences	
4	Au	2675.95 3122.78	4 40	interference			Fe,Ti,V,Co,W,Cr Fe,Ti,Mo,V,Cr.	
5	B	2496.78 2497.73	7 5				Mo,V,Fe,Sn,W,Cd,Zr Mo,Al,Fe,Ni,Mn,Sn,Ca,V,Co V,Co	
6	Ba	2335.27 4554.04	500 1				W, V, Mo, Co Mo, Zr, Cr	
7	Be	2494.73 2650.47	15 10				no interference	
8.	Bi	2897.98 3067.72	300 10				Be,Zr,W,Fe,Mn,V,Cr Mo,Zn,W,Sn	
9.	Ca	3179.33 4226.73	70 3				Th, Ru, Cr Fe,Cr,Ge,Ce,Tb	
10	Cd	3261.06	100				Fe,Co	
11	Co	3044.01 3053.51	40 6				Cr,Zr,Cu,Pb,Mo,Ti,W Mn,Mg,Si,Cr,Ti Cr, Ti	
12	Cr	4254.35 4274.80	10 15	.8 .8	5 5	.012% ≈100+	Mo,V,W,Bi,Ga,Be Co,W,Zr,Ti	could be W or Mo
13X	Cu	3273.96	2	iron inter.			Th,Nb,Tb,FE	
14	Fe	2994.43 3020.64	80 15	2++ 2++	100 100	.1% ≈1000	V,Ni,Sn,Al Mo,Cr,Co,Zr	
15	Ga	2874.24	80				U,Ta,Fe	

*Check MIT table for intensities

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
16	Ge	3039.06	20	2	90+	added	Mo,In,Fe,W,Ca,Bi	
		3124.82	1500	1.3	20		V,Cr,Fe,W	
17	Hf	3012.90	60				W,V,Cr,Ag,Mn	
18	Hg	2536.52	60				Fe, Co,W,Bi	
19	In	3256.09	60				Mo,W,Mn,Fe,Ca	
		3258.56	100				Fe,Cr,Mo,Si,Mn	
20	Ir	2543.97	80				Co,W,Mn,Fe,V	
		2924.79	80				U,V,W,Eu,Th	
21	K	4044.14	600				Ca,W,Fe	
		4047.20	1000				Ca,Mo,Fe	
22	Li	3232.61	100				Co,Ti,Fe,W,Cd,Pb	
23	Mg	3096.90	400	2++	90	.25%	Tm,Mn,Nb,Nc,Ti	
		3092.99	700	2++	100	≈2500	Tm,W,U,V,Al	
24	Mn	2593.73	7	FE interference			Fe,U,Te,Fe,Na,Fe, Co,Ta	
		2801.06	15	2	90	.02% ≈200	Cr,Zn,W	
25	Mo	2816.15	30				Al,Ca,Mn	
26	Na	3302.32	400				Doublet does not show up below .1%	
		3302.99	600				Mn,Mo,Zn,Ca,Cr,Fe	
27	Nb	2950.88	40				no interference	
		3163.40	15				Ta,Ru,W	
28	Ni	3003.63	70	.2	≈ 3	.01%	Os,Fr,Cr	both faint
		3423.71	80	1.2	≈ 10	≈100	no interference	
29	Pb	2802.00	150	2	85	.1%	Mo,Ni,Fe,Mn,W,Zn	
		2833.07	60	2	75	≈1000	Fe,Zr,In,W,Zn	
30	Pd	3404.58	15				Mo,Zr,W,Fe,In,V	
		3421.24	40				W,Zr,Co,Ni,Mo,Cr	
31	Pt	2929.79	50				Mo,W,Ca,Co	
		3042.64	80				Cr,Mn,Fe,Ti	
32	Re	3451.61	60				no imterferences	
		3460.47	40				Mn,Cr,Pd	
33	Rh	3396.85	10				Fe, Mo, Zr	
34	Ru	3417.35	100				Mo,Cd,Fe,Co,V	
		3436.74	30				Co, Ga,Cu	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remark
35	Sb	2598.06 3267.50	60				Fe,Mn,W Tm,V,Mn	
36	Si	2435.16 2524.12	80 30				no interference Sn,V,Ni,Fe	
37	Sn	2839.99 2706.51	40 90				U,Mn,Cr,Fr,Gd Fe,Ta,V,W,Os	
38	Sr	3464.46	300				Fe,W	
39	Ta	2647.47 3311.16	500 500				W,V,Mn,Fe,Mo Ca,Fe,W,Cr,Zr,Cu	
40	Te	2383.25 2385.76	150 150				W,Mo,Co,V,Cr,Fe Mo,Fe,V,Co,W,Cr	
41	Th	2837.30 3325.13					Co,Zr Co,Ru	
42	Ti	3349.04 3329.46	40 80				Nb,Cu,Cr,Cr Mo,Co	
43	Tl	2918.32	800				Fe,Tm,Fe	
44	U	4241.67 2889.63	500 600				Co,Zr,W Fe, Mo,W,Mn,Cr,Zr	
45	V	3118.30 3276.12	30 60				Re,Co,Os,Ho no interference	
46	W	2944.40	100	iron inter.		≈.03% ≈200	Ga,Fe,V	READ on diff. line
47	Zn	3302.94	400	2	60	≈.2% ≈2000	Cr,Na,La	READ diff. line to confirm ≈ 1000ppm
48	Zr	3388.30 3279.27	30 15				Lu,Ta,Co Nd,Co	

CUSTOMER: 3 - F
Metals, Ltd.
Box 223
Socorro, New Mexico 87801

AAL IDENTIFICATION NO. 1285
PLEASE REFER TO ABOVE NUMBER ON ALL CORRESPONDENCE.

DATE: July 10, 1971

ALBUQUERQUE ASSAY LAB, INC.
4115 SILVER S.E.
Albuquerque, New Mexico 87108
Phone: (505) 268-5776

SAMPLE IDENTIFICATION	GOLD Troy oz/ton	SILVER Troy oz/ton	COPPER %	LEAD %	ZINC %			
~~1283~~ 1285 C-1	1.06	0.8	.0060					
C-2	Trace	Trace	.0038					
C-3	Trace	Trace to 0.05	.0028					
C-4	0.12	0.08	.0039					
C-5	0.06	0.1	.0062					
OS-1-14	0.	0.29	0.0130	.022				
OS-2-15		0.32	0.0052	.028				
OS-3-16		0.58	0.0072	.042				
OS-4-17		0.03	0.0045	.012				
G-1	0.015	0.2	0.0133					
G-2	0.005	0.25	0.0268					
G-3	0.005	0.5	0.115					
G-4	Trace to 0.003	0.08	0.0034					
G-5	0.09	0.5	0.0080					
G-6	0.02	0.3	0.0115					
G-7	0.34	0.8	0.104					
G-8	0.004	0.6	0.0355					
G-9	Trace	Trace to 0.06	0.0218					
G-10	Trace	0.1	0.0033					

COMMENTS: All gold plus silver by fire assay. (C and G series)
All silver only (OS series) by chemical analysis.

THANK YOU

CHARGES $ 158.60 (Paid)

BY M. A. Spinelli
ASSAYER–CHEMIST

Ore & Metallurgical Assays
Soil & Water Analysis — Mine Property Examination
Spectrographic Analysis

Dorin Ag F

Spectrographic Analysis Date

Semiquantitative - Trace Element
(1-100ppm, 0.0001-0.1%)

Submitted by: Lab No:
Sample No: #1 ORE VAIN Film No:
Sample Received: Analysis Comp:
Analyst: Rechecked:

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
1	Ag	3280.68 3382.89	1 1.5	+2 +2	95 90	.0018% 18	Mo, Mn, Co, Ti Cr	
2	Al	3944.03 3092.71	1.5 .20	+2 +2	100 100	>.1%	Te, V, Mg	MAJOR
3	As	2349.84	1000	—	—		no interferences	
4	Au	2675.95 3122.78	4 40	— —	— —		Fe,Ti,V,Co,W,Cr Fe,Ti,Mo,V,Cr.	
5	B	2496.78 2497.73	7 5	— —	— —		Mo,V,Fe,Sn,W,Cd,Zr Mo,Al,Fe,Ni,Mn,Sn,Ca,V,Co V,Co	
6	Ba	2335.27 4554.04	500 1	1.5 1.2	70 30	.017% 170	W, V, Mo, Co Mo, Zr, Cr	
7	Be	2494.73 2650.47	15 10	— —	— —		no interference	
8.	Bi	2897.98 3067.72	300 10	— —	— —		Be,Zr,W,Fe,Mn,V,Cr Mo,Zn,W,Sn	
9.	Ca	3179.33 4226.73	70 3	2 +2	65 80	.03% 300	Th, Ru, Cr Fe,Cr,Ge,Ce,Tb	
10	Cd	3261.06	100	—	—		Fe,Co	
11	Co	3044.01 3053.51	40 6	— —	— —		Cr,Zr,Cu,Pb,Mo,Ti,W Mn,Mg,Si,Cr,Ti Cr, Ti	
12	Cr	4254.35 4274.80	10 15	— —	— —		Mo,V,W,Si,Ga,Be Co,W,Zr,Ti	
13	Cu	3273.96	2	+2	90	.0077% 77	Th,Nb,Tb	
14	Fe	2994.43 3020.64	80 15	+2 +2	100 100	>.1%	V,Ni,Sn,Al Mo,Cr,Co,Zr	MAJOR
15	Ga	2874.24	80	—	—		U,Ta,Fe	

*Check MIT table for intensities

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
16	Ge	3039.06	20	+2	95		Mo,In,Fe,W,Ca,Bi	MATRIX
		3124.82	1500	1.6	45		V,Cr,Fe,W	
17	Hf	3012.90	60	—	—		W,V,Cr,Ag,Mn	
18	Hg	2536.52	60	—	—		Fe, Co,W,Bi	
19	In	3256.09	60	1	25		Mo,W,Mn,Fe,Ca	too slight
		3258.56	100	—	—		Fe,Cr,Mo,Si,Mn	
20	Ir	2543.97	80	—	—		Co,W,Mn,Fe,V	
		2924.79	80	—	—		U,V,W,Eu,Th	
21	K	4044.14	600	1.6	45	.001%	Ca,W,Fe	too slight
		4047.20	1000	—	—		Ca,Mo,Fe	
22	Li	3232.61	100	—	—		Co,Ti,Fe,W,Cd,Pb	
23	Mg	3096.90	400	+2	85	.059%	Tm,Mn,Nb,Nc,Ti	
		3092.99	700	—	—	500	Tm,V,U,V,Al	
24	Mn	2593.73	7	+2	85	.007%	Fe,U,Te,Fe,Na,Fe,	
						70	Co,Ta	
		2801.06	15	+2	90		Cr,Zn,W	
25	Mo	2816.15	30	—	—		Al,Ca,Mn	
26	Na	3302.32	400	—	—		Doublet does not show up below .1%	
		3302.99	600	—	—		Mn,Mo,Zn,Ca,Cr,Fe	
27	Nb	2950.88	40	—	—		no interference	
		3163.40	15	—	—		Ta,Ru,W	
28	Ni	3003.63	70	—	—		Os,Fr,Cr	
		3423.71	80	—	—		no interference	
29	Pb	2802.00	150	1.8	65	.07%	Mo,Ni,Fe,Mn,W,Zn	
		2833.07	60	+2	75	700	Fe,Zr,In,W,Zn	
30	Pd	3404.58	15	—	—		Mo,Zr,W,Fe,In,V	
		3421.24	40	—	—		W,Zr,Co,Ni,Mo,Cr	
31	Pt	2929.79	50	—	—		Mo,W,Ca,Co	
		3042.64	80	—	—		Cr,Mn,Fe,Ti	
32	Re	3451.61	60	—	—		no interferences	
		3460.47	40	—	—		Mn,Cr,Pd	
33	Rh	3396.85	10	—	—		Fe, Mo, Zr	
34	Ru	3417.35	100	—	—		Mo,Cd,Fe,Co,V	
		3436.74	30	—	—		Co, Ga,Cu	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
35	Sb	2598.06 3267.50	60	— —	— —		Fe,Mn,W Tm,V,Mn	
36	Si	2435.16 2524.12	80 30	+2 +2	100 100	>.1%	no interference Sn,V,Ni,Fe	MAJOR
37	Sn	2839.99 2706.51	40 90	— —	— —		U,Mn,Cr,Fr,Gd Fe,Ta,V,W,Os	
38	Sr	3464.46	300	—	—		Fe,W	
39	Ta	2647.47 3311.16	500 500	— —	— —		W,V,Mn,Fe,Mo Ca,Fe,W,Cr,Zr,Cu	
40	Te	2383.25 2385.76	150 150	— —	— —		W,Mo,Co,V,Cr,Fe Mo,Fe,V,Co,W,Cr	
41	Th	2837.30 3325.13		— —	— —		Co,Zr Co,Ru	
42	Ti	3349.04 3329.46	40 80	+2 +2	100 85	.035% 350	Nb,Cu,Cr,Cr Mo,Co	
43	Tl	2918.32	800	—	—		Fe,Tm,Fe	
44	U	4241.67 2889.63	500 600	— —	— —		Co,Zr,W Fe, Mo,W,Mn,Cr,Zr	
45	V	3118.30 3276.12	30 60	— —	— —		Re,Co,Os,Mo no interference	
46	W	2944.40	100	1.7	60	.05% 500	Ga,Fe,V	
47	Zn	3302.94	400	—	—		Cr,Na,La	
48	Zr	3388.30 3279.27	30 15	— —	— —		Lu,Ta,Co Nd,Co	

Spectrographic Analysis
Semiquantitative - Trace Element
(1-1000 ppm, 0.0001-0.1%)

Date 1/23/71

Submitted by: Brandvold
Sample No: 5 ORE VA.77
Sample Received: 1/20/71
Analyst: Joe Dauchy

Lab No: 967
Film No: 334
Analysis Comp: 1/23/71
Rechecked:

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
1	Ag	3280.68 3382.89	1 1.5	+2 +2	95 90	>.1%	Mo, Mn, Co, Ti Cr	MAJOR
2	Al	3082.16 3092.71	20 20	+2 +2	100 80	>.1%	Mo, V, Mn, W Mg, Mo, Fe, V	MAJOR
3	As	2349.84 2780.20	1000 150	— —	— —		Mo, Ni, Ti, Cu, V, Zr, Si Cr, W, Cd, V, Fe, Mo, Mn	
4	Au	2675.95 3122.78	4 40	— .7	— 35	.00025	Fe, Ti, V, Co, W, Cr 4.40+ Fe, Ti, Mo, V, Cr	too slight to measure
5	B	2496.78 2497.73	7 5	— —	— —		Mo, V, Fe, Sn, W, Cd, Zr Mo, AL, Fe, Ni, Mn, Sn, Ca, V, Co	
6	Ba	2335.27 4554.04	500 1	—	—		W, V, Mo, Co Mo, Zr, Cr	
7	Be	~~2650.47~~ ~~3130.42~~ ~~3321.34~~ ~~2494.73~~	.2 8	.5 .5	32 55		Fe, Cr, Si, W, Ti, V Ti, W, V, Ni, Mn, Cr	too slight to measure
8	Bi	2897.98 3067.72	300 10	— —	— —		Be, Zr, W, Fe, Mn, V, Cr Mo, Fe, W, Sn	
9	Ca	3933.67 4226.73	1.5 3	+2 +2	100 80	>.1%	Fe, Co Fe, Cr, Al, Mo, V	MAJOR
10	Cd	3261.06 3403.65	500 100	— —	— —		Fe, Pd, W, V, Zr, Ca, Co, B W, Zr, Cr, Ni, Ti, V, Mo	
11	Co	3044.01 3453.51	40 6	— —	— —		Cr, Zr, Cu, Pb, Mo, Ti, W, Mn, Mg, Si Cr, Ti	

*Check MIT table for intensities

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences	Remarks
12	Cr	4254.35 4274.80	10 15	— —	— —		Mo, V, W, Bi, Ga, Be Co, W, Zr, Ti	
13	Cu	3247.54 3273.96	1 2	+2 +2	100 100	>.1%	Mo, Ag, Mn, Fe, Cr Mo, Ti, Ca, Co	MAJOR
14	Fe	2994.43 3020.64	80 15	+2 +2	100 100	>.1%	V, Ni, Sn, Al Mo, Cr, Co, Zr	MAJOR
15	Ga	2500.17 2943.64	1500 40	— —	— —		Mo, V, W Mo, Mn, Ni, Cd, V, Sn, Co	
16	Ge	3039.06 3124.82	20 1500	+2 —	95 —		Mo, In, Fe, W, Ca, Bi V, Cr, Fe, W	
17	Hf	3012.90 3134.72	60 100	— —	— —		W, V, Cr, Ag, Mn Ag, Mg, V, Cr, Ti, Ca	
18	Hg	2536.52 4358.38	60 1000	— —	— —		Fe, Co, W, Bi Mo, Fe, In, Ca	
19	In	3256.09 3258.56	60 100	— —	— —		Mo, W, Mn, Fe, Ca Fe, Cr, Mo, Si, Mn	
20	Ir	2543.97 3220.78	80 40	— —	— —		Co, W, Mn, Fe, V Mo, Ca, Pb	
21	K	4044.14 4047.20	600 1000	1.8 1.5	20 35	>.1%	Ca, W, Fe Ca, Mo, Fe	too SLIGHT TO MEASURE
22	Li	3232.61	100	—	—		Co, Ti, Fe, W, Cd, Pb	
23	Mg	2795.53 2802.70	.7 1	+2 +2	100 100	>.1%	Co, Cr, Fe, W, Cu W, Mn, V, Bi, Cu, Ti	MAJOR
24	Mn	2576.10 2798.27	6 10	+2 +2	80 90	>.1%	W, Hg, Zr, Co, Cr W, Cd, Mg, Mo	MAJOR
25	Mo	3132.59 2816.15	10 30	— —	— —		Cr, Mn, Ag, Ti, Fe, V AL, Ca, Mn	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences	Remarks
26	Na	3302.32 3302.99	400 600	—	—		(Doublet does not show up below .1% (Mn, Mo, Zn, Ca, Cr, Fe, Zr, Ti	
27	Nb	2950.88 3225.48	40 30	— —	— —		Mn, Fe, W, Cr Zr, Fe, W, Cr, B	
28	Ni	3414.77 3446.26	20 60	— —	— —		Zr, V, Co, Ca, Ag Ga, Co, Mo	
29	Pb	2802.00 2833.07	150 60	1.9 —	65 —	INTERFERENCE	Mo, Ni, Fe, Mn, W, Zn Fe, Zr, In, W, Zn	
30	Pd	3404.58 3421.24	15 40	— —	— —		Mo, Zr, W, Fe, In, V W, Zr, Co, Ni, Mo, Cr	
31	Pt	2929.79 3042.64	50 80	— —	— —		Mo, W, Ca, Co Cr, Mn, Fe, Ti	
32	Re	3451.81 3460.71	60 40	— —	— —		W, Fe, Pb, Mo W, Co, Cr, Mn, Mo	
33	Rh	3323.09 3396.85	30 10	— —	— —		B, Cr, Fe, Zr, Ti Fe, Mo, Zr	
34	Ru	3417.35 3436.74	100 30	— —	— —		Mo, Cd, Fe, Co, V Co, Ga, Cu	
35	Sb	2598.06 2877.92	60 100	— —	— —		Fe, Mn, W W, V, Cr, Ca, Cu	
36	Si	2435.16 2881.58	80 6	1.8 +2	50 100	>.1%	W, Zr, Mn, Co, Ag, Fe, V Ca, Co, Al, Mo	MAJOR
37	Sn,	2839.99 3175.02	40 30	— —	— —		W, V, AL, Cr, Mn, In, Fe, Ti Fe, Mo, In, Co, Ti	
38	Sr	3464.46 4607.33	300 40	— —	— —		Fe, W Mn, Co, V, Mo	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences	Remarks
39(	Ta	2647.47 3311.16	500 500	— —	— —		W, V, Mn, Fe, Mo Ca, Fe, W, Cr, Zr, Cu	
40	Te	2383.25 2385.76	150 150	— —	— —		W, Mo, Co, V, Cr, Fe Mo, Fe, V, Co, W, Cr	
41	Th	2982.05 4019.14	 100	— —	— —		Co, Fe, W, V, Mo, Cd Co, W, V, Ni, Mo, Ca	
42	Ti	3349.41 3361.21	10 10	— —	— —		W, Co, Cu, Cr, Mo V, Mo, Co, Ni, Bi, W, Fe	
43	Tl	2767.87 3229.75	200 2000	— —	— —		Cr, V, Fe, Mo, Bi Fe, Cr, Mo, Zr, Mn, W, V	
44	U	4241.67 2889.63	500 600	— —	— —		Co, Zr, W Fe, Mo, W, Mn, Cr, Zr	
45	V	3183.98 3185.40	40 60	— —	— —		Fe, Ti, W Fe, Si, W, Mo	
46	W	4008.75 4302.11	200 300	— —	— —		Ti, Fe, Mo Ti, Fe, Mo, V, Bi	
47	Zn	3282.33 3345.02	200 150	.9 —	30 —	INTERENCE	Ti, Fe, Mo, V, Ag, Co Ti, K, Cr, W, Zr, Mo	
48	Zr	3391.98 3438.23	3 4	— —	— —		Ti, Mo, Cu, Fe In, Fe, W	

3 - F

SPECTROGRAPHIC ANALYSIS

#6 Creston

Lab No. 873 Film No. 302 Sample No. m-1

Description:

Ora vein no free gold show in sample.

In July 23 Out July 28 1970

Analyst: Tebbetts, m

	Element	Amount*	Element	Amount	Element	Amount
29 oz	Ag	>.1%	In	.001%	Sr	.0001
	Al	>.1%	K	.02	Ta	.0010%
1/10 → 4 oz	Au (420/ab)	.0003%	Li	>.1%	Ti	>.1%
120 60 $180.00/ton	B	.001%	Mg	>.1%	V	.03%
	Ba	>.1%	Mn	.09%	Zn	.1%
	Be	.001	Mo	.04%	Zr	.006%
	Ca	>.1%	Na	>.1%		
	Cd	.04	Ni	.0015		
	Cr	.001	Pb	>.1%		
	Cu	>.1%	Re	.003%		
	Fe	>.1%	Ru	.005		
	Ga	.002%	Si	>.1%		

* ~~ppm~~ %

3 - F

Spectrographic Analysis

Date Sept 23, 1970

Semiquantitative - Trace Element
(1-100ppm, 0.0001-0.1%)

Submitted by: Metal Limited

Lab No:

Sample No: vein on top OrE

Film No:

Sample Received: Sept 25, 1970

Analysis Comp:

Analyst: Tebbetts, M

Rechecked:

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
1	Ag	3280.68	1	2	60	100 .009	Mo, Mn, Co, Ti	
		3382.89	1.5	1.9	55	80	Cr	
2	Al	3944.03	1.5	2+	100	>1000	Te, V, Mg	
		3092.71	20			>.1		
				2+	100	>1000		
3	As	2349.84	1000		—		no interferences	
4	Au	2675.95	4		—		Fe,Ti,V,Co,W,Cr	
		3122.78	40		—		Fe,Ti,Mo,V,Cr.	
5	B	2496.78	7	1.7	40	1	Mo,V,Fe,Sn,W,Cd,Zr	
		2497.73	5			.0001	Mo,Al,Fe,Ni,Mn,Sn,Ca,V,Co	
				1.9	50	1	V,Co	
6	Ba	2335.27	500		—		W, V, Mo, Co	
		4554.04	1		—		Mo, Zr, Cr	
7	Be	2494.73	15		—	.0001	no interference	
		2650.47	10	.7	10	1		
8.	Bi	2897.98	300		—		Be,Zr,W,Fe,Mn,V,Cr	
		3067.72	10				Mo,Zn,W,Sn	
9.	Ca	3179.33	70	2+	100	.01	Th, Ru, Cr	
		4226.73	3	2+	70	100	Fe,Cr,Ge,Ce,Tb	
10	Cd	3261.06	100		—		Fe,Co	
11	Co	3044.01	40		—		Cr,Zr,Cu,Pb,Mo,Ti,W	
							Mn,Mg,Si,Cr,Ti	
		3053.51	6		—		Cr, Ti	
12	Cr	4254.35	10		—		Mo,V,W,Bi,Ga,Be	
		4274.80	15		—		Co,W,Zr,Ti	
13	Cu	3273.96	2	2+	100	.01 100	Th,Nb,Tb	
14	Fe	2994.43	80			>.1	V,Ni,Sn,Al	
		3020.64	15	2+	100	>10000	Mo,Cr,Co,Zr	
15	Ga	2874.24	80	1.4	40	.0018 1.8	U,Ta,Fe	

*Check MIT table for intensities

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
16	Ge	3039.06	20				Mo,In,Fe,W,Ca,Bi	
		3124.82	1500			added	V,Cr,Fe,W	
17	Hf	3012.90	60		—		W,V,Cr,Ag,Mn	
18	Hg	2536.52	60		—		Fe, Co,W,Bi	
19	In	3256.09	60		—		Mo,W,Mn,Fe,Ca	
		3258.56	100		—		Fe,Cr,Mo,Si,Mn	
20	Ir	2543.97	80		—		Co,W,Mn,Fe,V	
		2924.79	80				U,V,W,Eu,Th	
21	K	4044.14	600		—		Ca,W,Fe	
		4047.20	1000				Ca,Mo,Fe	
22	Li	3232.61	100		—		Co,Ti,Fe,W,Cd,Pb	
23	Mg	3096.90	400	2+	90	.002	Tm,Mn,Nb,Nc,Ti	
		3092.99	700	2+	85	20	Tm,V,U,V,Al	
24	Mn	2593.73	7				Fe,U,Te,Fe,Na,Fe, Co,Ta	
		2801.06	15	2+	70	.01 100	Cr,Zn,W	
25	Mo	2816.15	30	2	70	.04 400	Al,Ca,Mn	
26	Na	3302.32	400		—		Doublet does not show up below .1%	
		3302.99	600		—		Mn,Mo,Zn,Ca,Cr,Fe	
27	Nb	2950.88	40		—		no interference	
		3163.40	15		—		Ta,Ru,W	
28	Ni	3003.63	70		—		Os,Fr,Cr	
		3423.71	80		—		no interference	
29	Pb	2802.00	150			>.1	Mo,Ni,Fe,Mn,W,Zn	
		2833.07	60	2+	80	>1000	Fe,Zr,In,W,Zn	
30	Pd	3404.58	15		—		Mo,Zr,W,Fe,In,V	
		3421.24	40		—		W,Zr,Co,Ni,Mo,Cr	
31	Pt	2929.79	50		—		Mo,W,Ca,Co	
		3042.64	80		—		Cr,Mn,Fe,Ti	
32	Re	3451.61	60		Fe. Tint	.0005	no interferences	
		3460.47	40	1	20	5	Mn,Cr,Pd	
33	Rh	3396.85	10		—		Fe, Mo, Zr	
34	Ru	3417,35	100		—		Mo,Cd,Fe,Co,V	
		3436.74	30		—		Co, Ga,Cu	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
35	Sb	2598.06	60		—		Fe,Mn,W	
		3267.50			—		Tm,V,Mn	
36	Si	2435.16	80	2+	100	>1000	no interference	
		2524.12	30	2+	100	>.1	Sn,V,Ni,Fe	
37	Sn	2839.99	40		—		U,Mn,Cr,Fr,Gd	
		2706.51	90		—		Fe,Ta,V,W,Os	
38	Sr	3464.46	300		—		Fe,W	
39	Ta	2647.47	500		Fe Int		W,V,Mn,Fe,Mo	
		3311.16	500		—		Ca,Fe,W,Cr,Zr,Cu	
40	Te	2383.25	150		Fe Int		W,Mo,Co,V,Cr,Fe	
		2385.76	150		—		Mo,Fe,V,Co,W,Cr	
41	Th	2837.30			—		Co,Zr	
		3325.13			—		Co,Ru	
42	Ti	3349.04	40	2+	80	300	Nb,Cu,Cr,Cr	
		3329.46	80	2+	25	.03	Mo,Co	
43	Tl	2918.32	800		Fe Int.		Fe,Tm,Fe	
44	U	4241.67	500		—		Co,Zr,W	
		2889.63	600		—		Fe, Mo,W,Mn,Cr,Zr	
45	V	3118.30	30	1.8	50	.009	Re,Co,Os,Mo	
		3276.12	60	1.6	60	90	no interference	
46	W	2944.40	100		—		Ga,Fe,V	
47	Zn	3302.94	400	.9	10	.01 100	Cr,Na,La	
48	Zr	3388.30	30	.9	10	10	Lu,Ta,Co	
		3279.27	15	1	9	.001 10	Nd,Co	

3 - F

Spectrographic Analysis Date

Semiquantitative - Trace Element
(1-100ppm, 0.0001-0.1%)

Submitted by: Metal Limited Lab No:
Sample No: Ora vein Film No:
Sample Received: Aug 30, 1970 Analysis Comp: Sept 5
Analyst: Tebbetts, M Rechecked:

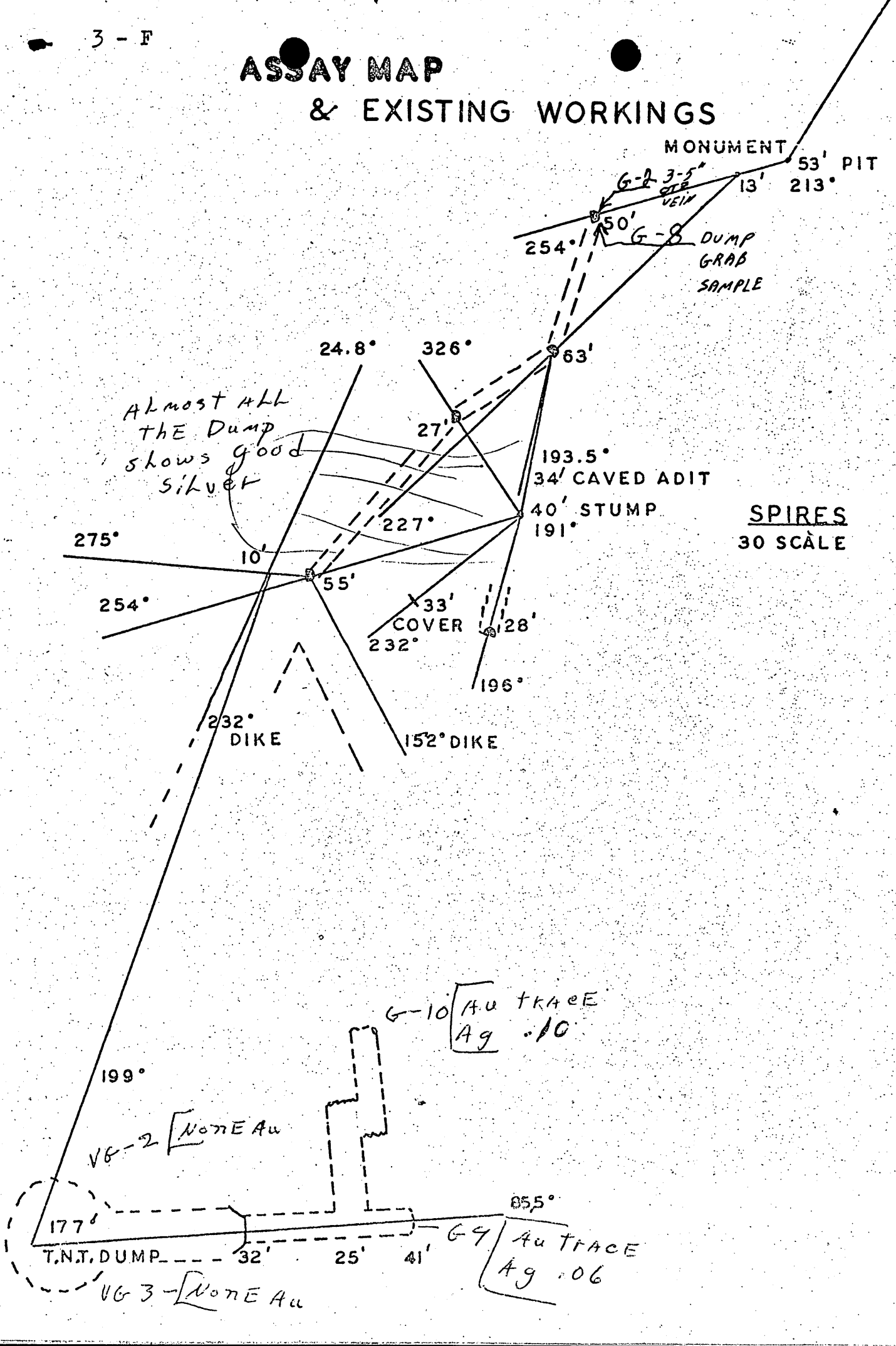
#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
1	Ag	3280.68 3382.89	1 1.5			>1000 >.1 %	Mo, Mn, Co, Ti Cr	
2	Al	3944.03 3092.71	1.5 20			>1000 >.1	Te, V, Mg	
3	As	2349.84	1000			—	no interferences	
4	Au	2675.95 3122.78	4 40			3 .0003	Fe,Ti,V,Co,W,Cr Fe,Ti,Mo,V,Cr.	
5	B	2496.78 2497.73	7 5			5 .0008 10	Mo,V,Fe,Sn,W,Cd,Zr Mo,Al,Fe,Ni,Mn,Sn,Ca,V,Co V,Co	
6	Ba	2335.27 4554.04	500 1			>1000 >.1	W, V, Mo, Co Mo, Zr, Cr	
7	Be	2494.73 2650.47	15 10			1 .0001 1	no interference	
8.	Bi	2897.98 3067.72	300 10			— —	Be,Zr,W,Fe,Mn,V,Cr Mo,Zn,W,Sn	
9.	Ca	3179.33 4226.73	70 3			>1000 >.1	Th, Ru, Cr Fe,Cr,Ge,Ce,Tb	
10	Cd	3261.06	100			.04 400	Fe,Co	
11	Co	3044.01 3053.51	40 6			— —	Cr,Zr,Cu,Pb,Mo,Ti,W Mn,Mg,Si,Cr,Ti Cr, Ti	
12	Cr	4254.35 4274.80	10 15			.001 10	Mo,V,W,Bi,Ga,Be Co,W,Zr,Ti	
13	Cu	3273.96	2			>.1 >1000	Th,Nb,Tb	
14	Fe	2994.43 3020.64	80 15			>.1 >1000	V,Ni,Sn,Al Mo,Cr,Co,Zr	
15	Ga	2874.24	80			.002 20	U,Ta,Fe	

*Check MIT table for intensities

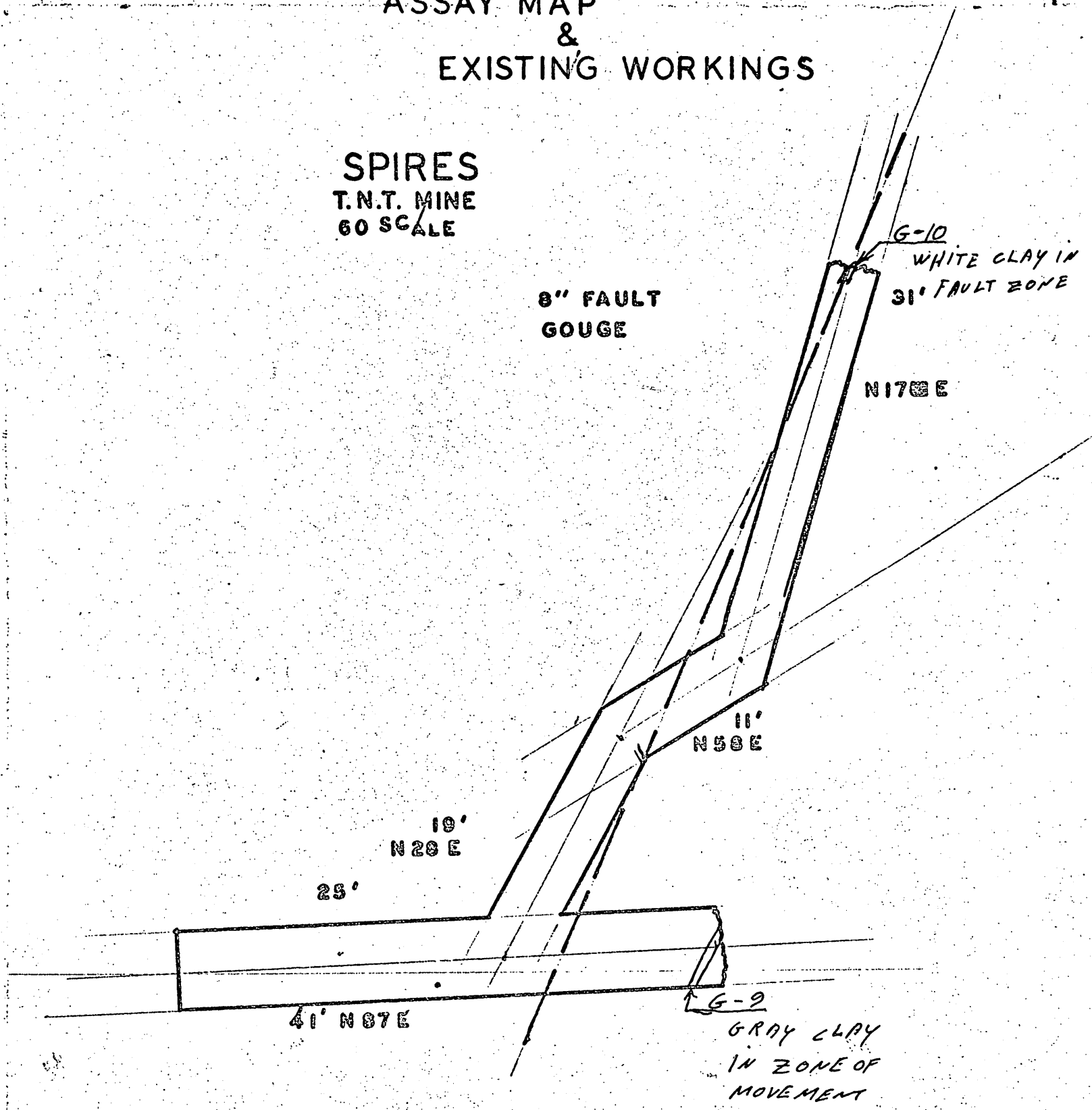
#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remarks
16	Ge	3039.06 3124.82	20 1500			 added	Mo,In,Fe,W,Ca,Bi V,Cr,Fe,W	
17	Hf	3012.90	60		—		W,V,Cr,Ag,Mn	
18	Hg	2536.52	60		—		Fe, Co,W,Bi	
19	In	3256.09 3258.56	60 100			10 .001	Mo,W,Mn,Fe,Ca Fe,Cr,Mo,Si,Mn	
20	Ir	2543.97 2924.79	80 80		— —		Co,W,Mn,Fe,V U,V,W,Eu,Th	
21	K	4044.14 4047.20	600 1000			200 .02	Ca,W,Fe Ca,Mo,Fe	
22	Li	3232.61	100			3.1 >1000	Co,Ti,Fe,W,Cd,Pb	
23	Mg	3096.90 3092.99	400 700			>.1 1000	Tm,Mn,Nb,Nc,Ti Tm,V,U,V,Al	
24	Mn	2593.73 2801.06	7 15			200 .02	Fe,U,Te,Fe,Na,Fe, Co,Ta Cr,Zn,W	
25	Mo	2816.15	30			.03 300	Al,Ca,Mn	
26	Na	3302.32 3302.99	400 600			>.1 >1000	Doublet does not show up below .1% Mn,Mo,Zn,Ca,Cr,Fe	
27	Nb	2950.88 3163.40	40 15		— —		no interference Ta,Ru,W	
28	Ni	3003.63 3423.71	70 80			.0015 15	Os,Fr,Cr no interference	
29	Pb	2802.00 2833.07	150 60			1000 .1	Mo,Ni,Fe,Mn,W,Zn Fe,Zr,In,W,Zn	
30	Pd	3404.58 3421.24	15 40		— —		Mo,Zr,W,Fe,In,V W,Zr,Co,Ni,Mo,Cr	
31	Pt	2929.79 3042.64	50 80		— —		Mo,W,Ca,Co Cr,Mn,Fe,Ti	
32	Re	3451.81 3460.47	60 40			20 .002	no interferences Mn,Cr,Pd	
33	Rh	3396.85	10		—		Fe, Mo, Zr	
34	Ru	3417.35 3436.74	100 30			5 .0005	Mo,Cd,Fe,Co,V Co, Ga,Cu	

#	Element	Wavelength	Sens. ppm	Dens.	Height	Conc. ppm	Interferences*	Remar.
35	Sb	2598.06	60		—		Fe,Mn,W	
		3267.50			—		Tm,V,Mn	
36	Si	2435.16	80			>1000	no interference	
		2524.12	30			>.1	Sn,V,Ni,Fe	
37	Sn	2839.99	40		—		U,Mn,Cr,Fr,Gd	
		2706.51	90		—		Fe,Ta,V,W,Os	
38	Sr	3464.46	300			.00001	Fe,W	
39	Ta	2647.47	500			5	W,V,Mn,Fe,Mo	
		3311.16	500			.0005	Ca,Fe,W,Cr,Zr,Cu	
40	Te	2383.25	150		—		W,Mo,Co,V,Cr,Fe	
		2385.76	150		—		Mo,Fe,V,Co,W,Cr	
41	Th	2837.30			—		Co,Zr	
		3325.13					Co,Ru	
42	Ti	3349.04	40			>1000	Nb,Cu,Cr,Cr	
		3329.46	80			>.1	Mo,Co	
43	Tl	2918.32	800		—		Fe,Tm,Fe	
44	U	4241.67	500		—		Co,Zr,W	
		2889.63	600		—		Fe, Mo,W,Mn,Cr,Zr	
45	V	3118.30	30			200	Re,Co,Os,Mo	
		3276.12	60			.02	no interference	
46	W	2944.40	100		—		Ga,Fe,V	
47	Zn	3302.94	400			.1	Cr,Na,La	
						1000		
48	Zr	3388.30	30			.006	Lu,Ta,Co	
		3279.27	15			60	Nd,Co	

ASSAY MAP
& EXISTING WORKINGS



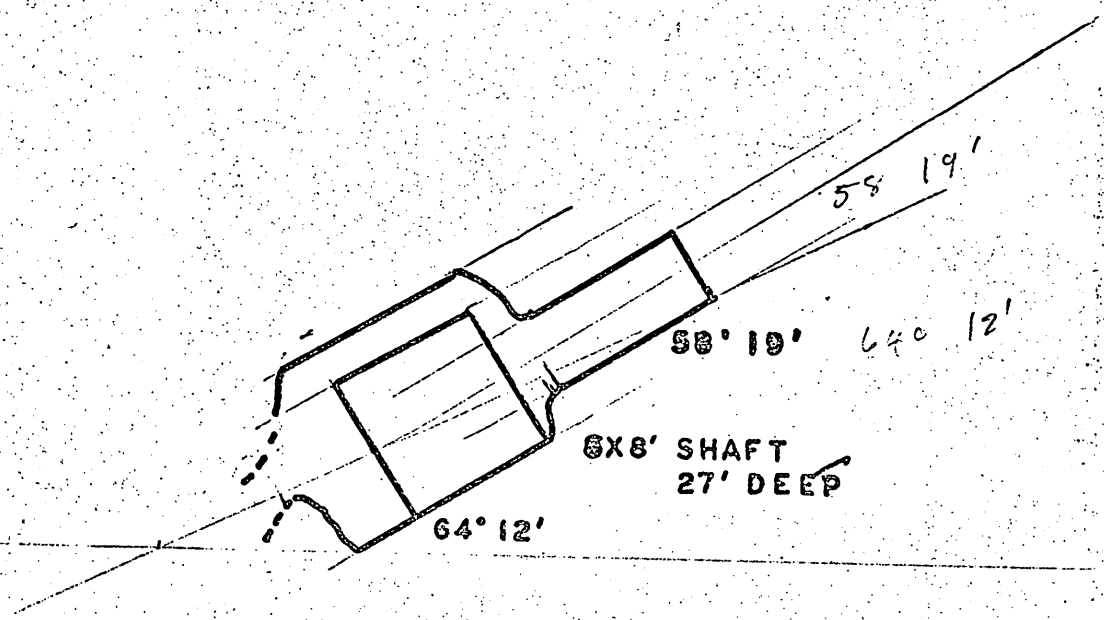
ASSAY MAP & EXISTING WORKINGS



3 - F

ASSAY MAP & EXISTING WORKINGS

SPIRES
CLOSED ADIT



3 - G Geologic and Engineering Reports

Refer to Sections 3 - A Mining Reports

3 - E Geological Reports

3 - F Assay Reports

P.O. Box 223
Socorro, New Mexico
May 15, 1971

Mr. Jon Stahl
317 Church Street
Socorro, New Mexico

Dear Mr. Stahl,

I wish to thank you for assisting us to evaluate our mines. Your reports have been very helpful in estimating the amount of time needed to reactivate the old mines and return them to productive activity again.

You asked for a report on our geologic finding in the Mill Canyon District. As yet, we do not have a completed geologic map but the information I gave you while you were here seems to hold true for every area that we have completed.

The ridge to the north of the cabins is an andesite porphyry dome. The south side dips southeast 22° and consists of andesite with large feldspar phenacrysts (½" to 1½"). The north face is also andesite, dips northwest 25°, contains medium feldspar phenacrysts (¼" to ½"). Due north of the cabins on the north face of the ridge, 300 feet from the top, is a north-south fault breccia zone that has been recemented with chrysocolla and other copper minerals. The old mine was abandoned with a foot wide vein still visible in the fourth level. There was an attempt to drift to the mineralized zone from the south side of the ridge, but as you know, the tunnel entrance kept closing and stopped their mining attempts.

The major fault on the west side of the Magdalena Mountains runs just west of the Old Soldier vein. The surface outcrop of carbonate and black calcite vein extends southward from the andesite ridge for 3/4 of a mile. The old workings extend several hundred feet down the ridge south of the canyon and cut an ash flow as opposed to the andesite just north of Mill Canyon.

Just to the east of the Old Soldier mine is a small outcrop of andesite which appears to be different from that across the canyon. This andesite extends up canyon for 100 feet and forms a plug of low permeability forces the spring water to the surface at the cabins.

There apparently is a fault that follows Mill Canyon but at no point is there a good contact to prove this assumption.

The Gofor claims, which you have expressed an interest in, are located in a tertiary flow which is visible for 600 feet. The dike system which you saw at the upper mine extends northeast to Augustus Riviere's Iron Cap mine.

Dodson Peak is locate half way between North and South Baldy on the central ridge of the Magdalena Mountains. South of this peak is the Silver Mountain Mining District that has several claims containing gold and silver located on the rhyolite dikes. The Morning Star, Sunshine # 1 and # 2, Copper Queen, Great Western, and Timber Peak mining claims are all located in this area. The Gold King, Lynchburg, and Hop Canyon districts lie north of Dodson Peak.

The veins of the Old Soldier, the Wheel of Fortune, the Silver Mountain claims and the areas north of Dodson seem to all trend toward Dodson and the Gofor claims.

The Gofor claims are located in the lowest exposed ash flows and are capped by 100 feet of andesite. All the mineralization occurs along the dike intrusions of rhyolite and latite that cut the ash at 82° to 89°. The quartz veins spiral out from this area toward the other mining areas. All surface indications seem to indicate greater values at depth.

As you noted, none of the existing mines have extended to the sulfide zone and at present there is no way of knowing how much deeper these could lie.

There is no reason why I cannot lease to you the Gofor claims at the prices and terms you asked about.

Yours truly,

J.C. Tebbetts

Mr. J.C. Tebbetts
Metallurgical Engineer
& General Manager
Metals Limited Claims

JCT/dab

The persons who will meet the O.M.E. representative are:

Mary (Kit) Tebbetts
P.O. Box 223
Socorro, New Mexico
Phone: 835 - 0668
or
Donna Brown
P.O. Box 223
Socorro, New Mexico
Phone: 835 - 5510 (before 5:00 P.M.)
835 - 1334 (after 5:00 P.M.)

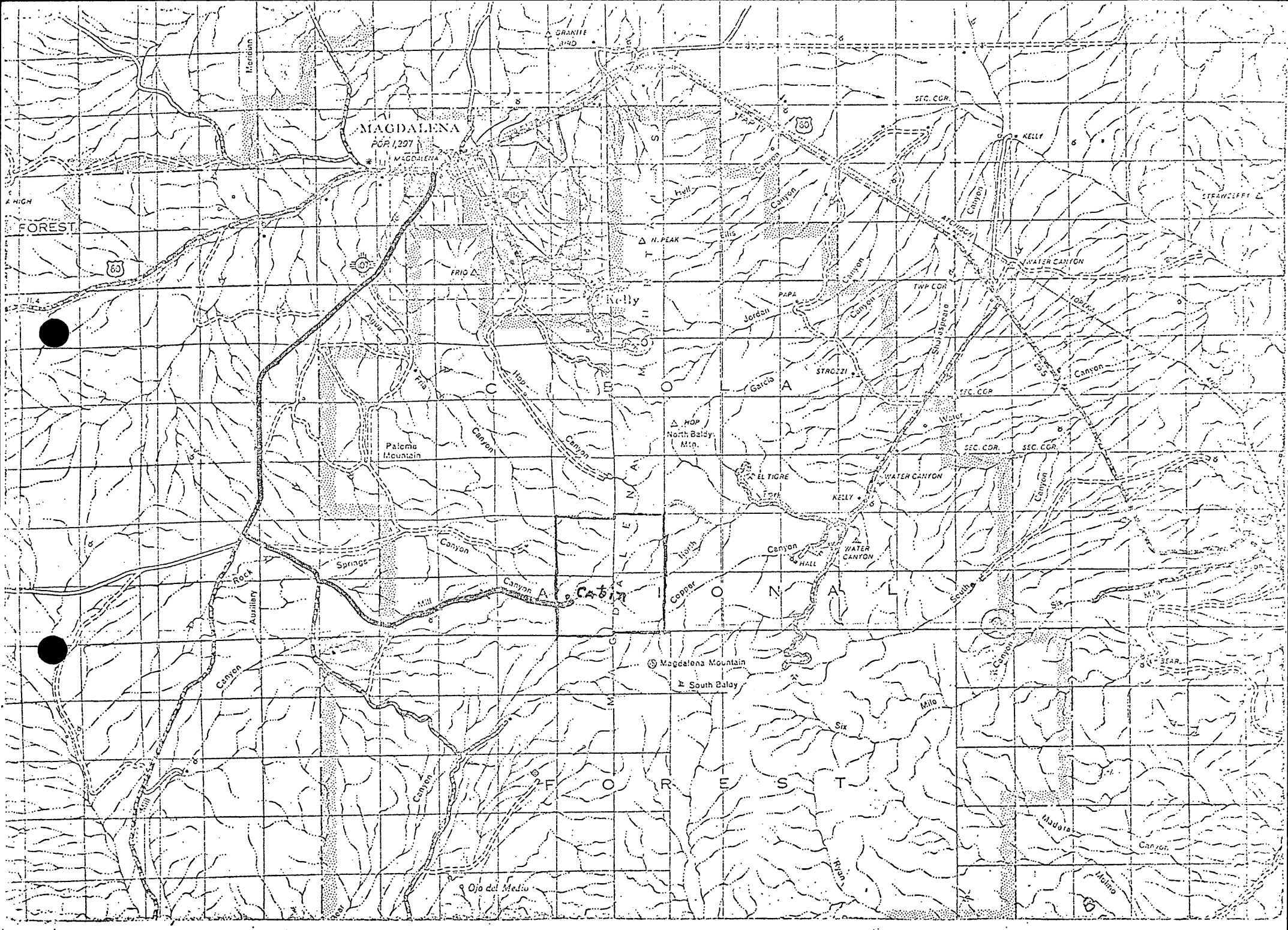
Directions to reach the property:

Come to Magdelena, New Mexico. Turn South on NM 107 at the West City Limits and drive South approximately seven miles to the forest service sign to Muleshoe Ranch. Turn left (toward the Magdelana Mountains). Drive about 2 miles to forest service sign for Mill Canyon. Turn left (up Mill Canyon). Come about 5 miles to the cabins at the head of Mill Canyon.

There are maps enclosed of the Magdelena Mountains and the surrounding areas.

Accessability of property:

The accessability of the property is about one mile by foot with proposed core station shown in red on the enclosed map of the area. All of the mines to be visited are open and safe.


MAGDALENA
POP. 1,207
MAGDALENA
GRANITE
SEC. COR.
KELLY
STRAWBERRY
WATER CANYON
TWP COR
TOPEKA
ATCHISON
N. PEAK
Ellis
Hell
Canyon
FRIO
Kelly
Jordan
PAPA
Shoshone
STROZZI
Garcia
Alpha
Frio
Hop
Palomo Mountain
North Baldy Mtn.
HOP
EL TIGRE
Tiger
Water
SEC. COR.
Springs
Rock
Auxiliary
Mill
Cabin
Copper
North
HALL
South
Six
Milo
Magdalena Mountain
South Baldy
Ryan
Madera
Molino
Ojo del Medio
Bear
FOREST
MAGDALENA
MOUNTAINS
CONNAL
FOREST
Meridian
HIGH
114
60
80
285

4 - B The Shipping and Supply Points

Magdalena, New Mexico

14 miles by dirt road

U.S. Postal Service - Santa Fe Freight - Whitfield Transportation

Socorro, New Mexico

44 miles - 14 miles dirt road, 30 miles paved road

Almost all shipping lines and supplies are available

Albuquerque, New Mexico

75 miles North of Socorro

Note:

There is a small mill being built on NM 52 just out of the town of Magdalena, by New Mexico Metals out of Los Lunas - Arnold Berget - truck mobile telephone 865-9267 Los Lunas and Mr. Brunson of Magdalena are part owners.

Proposed Exploration Work

Stage One of the exploration would be to improve the road up Mill Canyon to the mill site at Frenchy's cabin thus giving the core drilling machinery access to the area we wish to explore. The road needs to be widened and straightened in small sections and the grade lowered in others. This part would be done at my expense by the road building equipment as it moves up the canyon in to the area to be explored.

The area we propose to explore is in the Cibola National Forest and all the workings will have to be approved by the Forest Service representative living at Magdalena. We need to build one and one half miles of access road to the first drill site. The new road must be built to the eight percent grade, 14 foot width, that is required. We can build the short section of new road by renting a D6 dozer, a D6C traxcavator and some blasting. This road will allow the reopening of Augustus Riviere's unnamed # 2 mine to be used as a mud pit for the drilling operation, so as not to leave a permanent scar on the landscape and to control water run off and loss.

The first drilling station will be established on the dump of the old mine in order to obtain the drill hole angles we need. This mine does not seem to be very extensive, but I have gathered from talking with the old miners of the area, it was used by Augustus Riviere as his bank. When he needed money in a hurry, he would work at this mine a few days (3 or 4) and have enough gold to pay his workmen. They say he closed the down shaft intentionally when he left the mountain to go to the hospital before his death.

The vein was being worked in the breccia zone beside a monzonite latite dike that dips 48° to the south. Both vein and dike seem to increase in thickness with depth. If the monzonite dike extends

down its strike below the # 2 mine, it either is covered by the alluvium, or never outcrops.

The mineralized vein that outcrops down the hill and to the west of the first drilling station seems to consist of highly silicious lateral feeders following the planes of weakness of the ash flow contacts. By drilling southwest of the mine outcrop, we sould pass through the vein about 100, 300 and 500 feet below the outcrop. This will allow measurement of vein thickness and let us find out if the monzonite dike is following true or has been faulted out of the structure. We have set 100 feet as minimum depth and 500 feet as maximum. This depth would depend on the structural competance of the rock we are passing through and the mineralization showing in the cores.

Until we have more information on the subsurface geology of Section 36, we would like to limit the core holes to the top of the green andesite that is exposed below the mineralized zone in the canyon floor. I would like to determine whether (1) it is part of the porphyry hill to the north, (2) it is an independent dike or plug, or (3) it is a flow layer in the stratigraphic column of Dodson Peak. It seems to be the nonporous zone that is holding our water supply. (see the enclosed letter from Mr. Kelly Summers)

The # 1 core will be toward the east 5° up from the vertical to sample the projected extension of the dike and vein and to see if any of the dike-vein systems from higher on the hill are present below what seems to be their locus point. This core will also allow measurements on the strike and dip of the talus-covered ash flows that are above the small outcrop of green andesite in the canyon below the cabin.

The # 2 core will be 10° up from the vertical and follow the

vein down for width measurements and allow analysis for richness of ore and methods of practical recovery.

The # 3 core will be 30° up from the vertical to follow the vein into the hill to check lateral extent.

All three cores should cut the vein at the locus of the vein and dike at depths of 500, 300 and 100 feet respectively. The footage on each hole is: # 1 - 474 feet; # 2 - 373 feet; and # 3 - 131 feet. The total footage to be drilled in stage one is 978 ± 5%.

If the approximate 1,000 foot of coring from stage one shows sufficient mineralization to warrant further exploration, I would like to establish a second drilling station about 150 yards higher on the hill at a loci of several dikes that show a similar geochemical anomaly.

Stage Two of the exploration would consist of building an access road from the first drilling station to the second and the reopening of Augustus Riviere's unnamed mine # 6 in the same gold/silver dike system to be used as a mud pit. The number two drill site will be built on or near the south end of the main dike which is shown on the map labled Spires. There are three small mines in this area, a small down shaft 27 feet deep, another shaft 75 feet higher on the outcrop, 53 feet deep, and a tunnel 41 feet into the mountain with a 31 foot side shaft down the center of the main dike.

The # 1 core for this station will be north 44° 30' east and 30° up from the vertical to sample the projected extension of the cross dike and the vein that join the loci from the east, This core will be 161 feet and will travel through ten north-south zones of weakness that could hold mineralization.

The # 2 core will be 350 feet long, 45° up from the vertical its trend will be north 40° 40' east to pass through all of the

projected zones of weakness for both the north-south and the east-west faults and dikes coming into the loci.

Core # 3 will be 45° up from the vertical, 325 feet long and trending north 34° 30' east. Core # 4 will be 45° up from the vertical, 125 feet long and trend north 51° 41' east. These two cores will allow us to bracket the main dike loci and structural outcrops to determine the true dip and strike of the mineralized outcrops our geochemical anomaly came from.

Box 684
Socorro, New Mexico 87801
July 13, 1971

James C. Tebbetts
General Manager
Metals Limited
Box 223
Socorro, New Mexico 87801

Dear Mr. Tebbetts:

This letter constitutes my report on my reconnaissance July 11, 1971 of the hydrogeology of the Metals Limited mining property, Magdalena Mountains, Socorro County, New Mexico.

From field relations I believe that two lithologic units control the occurrence and distribution of ground water on the premises -- an andesite or andesite porphyry and an overlying rhyolite or rhyolitic ash-flow tuffa. In the brief discussion that follows these will be called simply "andesite" and "rhyolite" respectively.

The andesite is massive, has few fractures visible at the surface, and has little intergranular or intercrystalline void space. Consequently, I believe it has a relatively low permeability.

The rhyolite is bedded, fractured, and contains some intergranular or intercrystalline void space. Consequently, I believe it has a larger permeability than the andesite. The absolute value of its permeability is indeterminate at this time but is probably fairly low. Thus, the rhyolite has a low permeability; the andesite has a very low permeability.

Springs and seeps occur in drainageways near the contact between the rhyolite and andesite. These springs reflect the inability of the low permeability andesite to transmit as much water as the rhyolite. (As you are well aware downstream where the stream passes from the andesite to a younger volcanic series, it becomes influent).

Until much more information about the water-yielding and water-bearing characteristics of these rocks is available I recommend that a great deal of care be exercised in breaching the andesite. Any hole or fracture <u>through</u> the andesite (vertical or horizontal) may provide sufficient permeability to lead the water from the springs.

Until the subsurface geometry of this rock is understood drilling programs should be limited to the rhyolite and the top of the andesite. The use of explosives in the area of the springs should be avoided if possible. The use of explosives in the andesite could open fractures that will do irreparable damage to the springs.

Yours truly,

W. K. Summers
Hydrogeologist

WKS/dll
enc.

ROAD SPECIFICATIONS

For Proposed Road Up Mill Canyon to the Creston Lode Patent

This road will be built to the minimum standards for single lane fair weather roads as set forth in U. S. Forest Service Form No. R3-7100-86 (8/66)

GENERAL

The width will be 10 feet to 14 feet with a minimum 1 foot ditch where required for adequate drainage.

The curves shall be 10 feet wider with radius turn useable for small dump trucks.

Grade dips shall be used in lieu of culverts.

Turnout spacing shall be used where necessary and practical.

U.S. FOREST SERVICE — REGION 3

MINIMUM STANDARDS FOR SINGLE LANE FAIR WEATHER ROAD

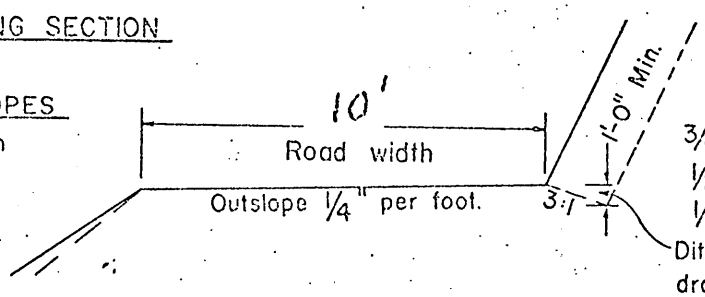
DESIGN CRITERIA

Grade — Maximum of 8% unless approved in writing by the Forest Service.
Alignment — Minimum radius 50 ft.

TYPICAL GRADING SECTION

FILL SLOPES

1 1/2:1 Common
1 1/2:1 Rock

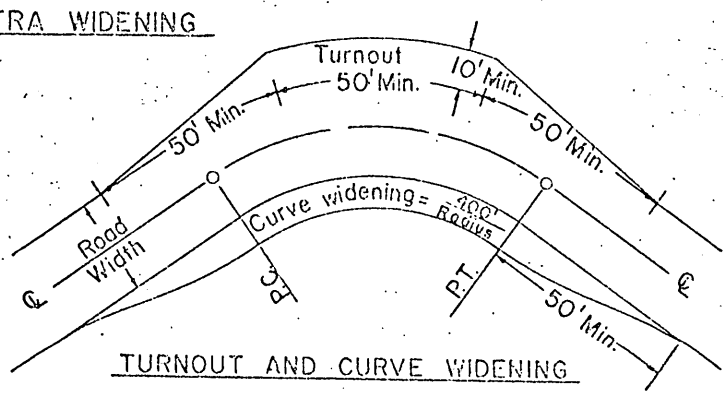


CUT SLOPES

1:1 — Common, 0–55% Side Slopes.
3/4:1 — Common, over 55% Side Slopes.
1/2:1 — Hardpan — Soft rock.
1/4:1 — Solid rock.
Ditch only where required for adequate drainage.

Side cast on contour grade line permitted except where topography is so broken that designed end haul is necessary to obtain reasonable minimum alignment standard.

EXTRA WIDENING



TURNOUT AND CURVE WIDENING

WIDENING ON FILL

Height of fill at Shoulder	Widen each Shoulder
0' - 6' (1 1/2:1 Fill Slopes)	1'-0"
Over 6' (1 1/2:1 Fill Slopes)	2'-0"

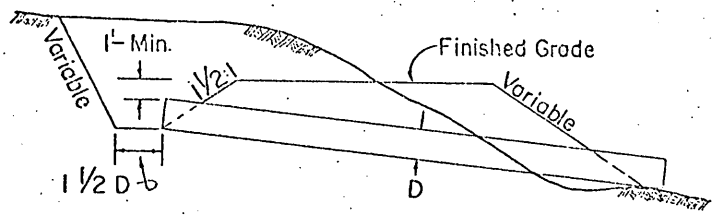
TURNOUT SPACING

Turnouts to be located on blind curves and supplemented between blind curves as necessary to keep spacing less than 1,000 ft.

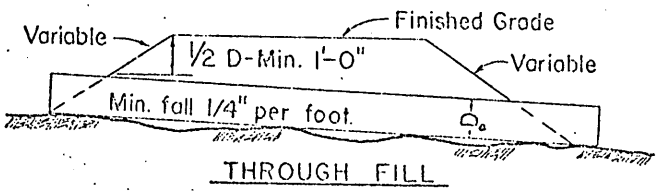
SURFACING

Spot surface with selected material where needed.

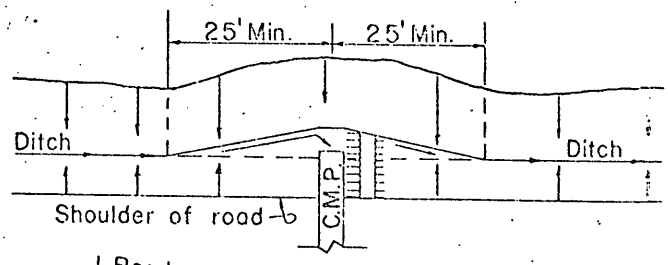
CULVERTS

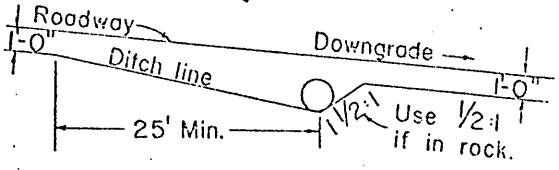


SIDEHILL INSTALLATION



THROUGH FILL

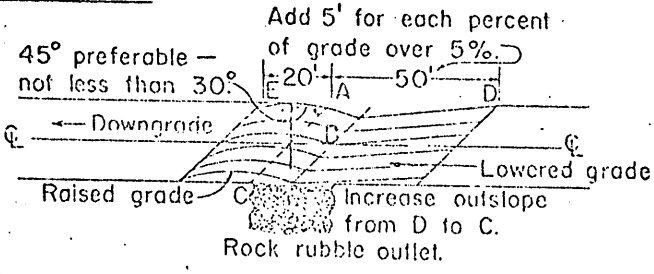


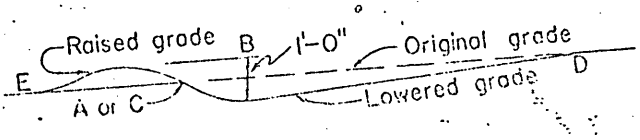


SIDEHILL INSTALLATION

All culverts must discharge at natural ground level unless slope under pipe is protected by rock fill. Gradient of culverts on Sidehill Installation not less than approaching ditch gradient.

GRADE DIPS





Grade Dips may be used in lieu of culverts ordinarily used for ditch relief.

For spacing of Grade Dips and Ditch Relief Culverts see F.S.M. 5613.54.

GENE PEERY
Dirt Contractor
P. O. Box 1513
SOCORRO, NEW MEXICO 87801

HRe #1 | #1 Harold's Drive

Socorro 835-0333 Grants 287-3171

ESTIMATE ~~INVOICE~~

№ 1162

TO
F.C. Tibbetts (metals Ltd)
P.O. Box 223
Socorro, N mex 87801

DATE 7-18-71
CUSTOMER ORDER NO.
SALESMAN Gene Peery
VIA

TERMS:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	My estimate on building the road up Mill Canyon to Creston Lode patent is $10,000 per mile. This is only an estimate & does not constitute a final bid		
	Gene Peery		

ORIGINAL

Thank You!

TOTAL 50,000

Q. M. RICKARD
CONSTRUCTION CO.
BOX 951
SOCORRO, N. M. 87801
PH. 835-0428

July 18, 1971

Jim C. Tibbets
Metals Limited
P.O. Box 223
Socorro, N.M. 87801

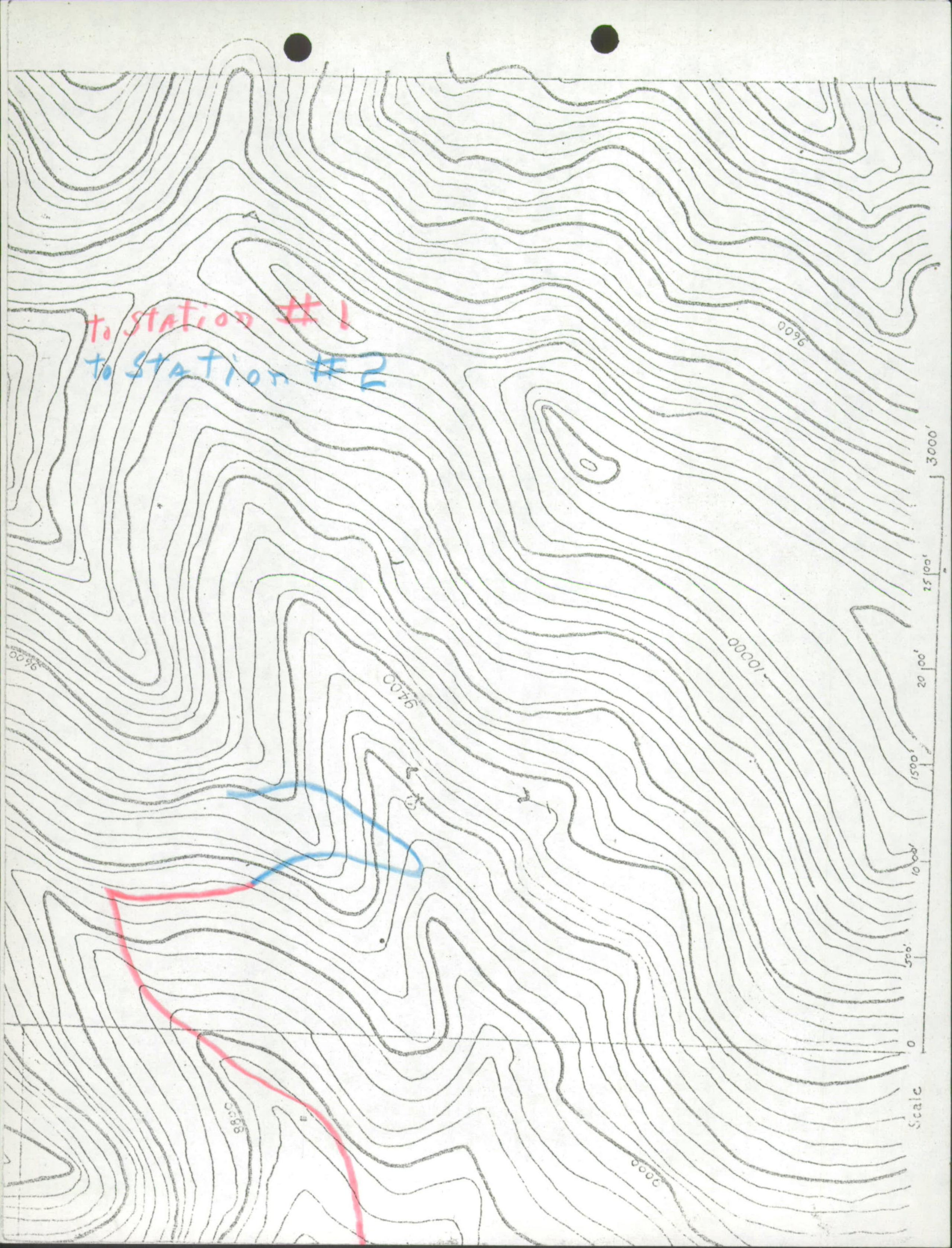
Dear Sir:
I am submitting an estimate on road job to Metals Limited mine ~~job~~ sites on the west side of the Magdalena Mountains near Muleshoe Ranch.

The road bed to be 10 feet minimum width and 14 feet maximum width, with water bars to the Forest Service specifications. With tractor work and drilling and blasting, it should be done for approximately $22,500.00. This is an estimate and not a bid.

1½ mile of road

Q. M. Rickard

Q. M. Rickard


to station #1
to station #2
9600
9400
10000
9600
8800
9000
0
500'
1000'
1500'
2000'
2500'
3000'
Scale

5 - C Anticipated Rate of Progress

Work will start within 30 days of contract execution date and is to be completed within six months. The possibility of snow during the winter months could make us extend our proposed completion date 60 to 90 days since the area to be explored lies between 9,000 and 10,000 feet.

The last two winters have been mild and the snow pack has only closed the area for a few weeks each year. There have been heavy snows in the past that have closed the area for several months.

The area is rugged and difficult to work due to altitude, steepness and talus cover. Building the road should take from eight to ten weeks. The drilling of the core station should take approximately three months since we have figured drill time at ten working days per 300 foot hole.

Experience

Jonathan Roy Stahl
Mining Engineer
B. S. NMINT 1970, M. S. NMINT 1972

Age: 28, Height: 5'8", Weight: 200 lbs.

Military: Four years U.S. Navy, Rank: E-5, Radarman 2nd Class, Master-at-Arms for 1½ years, Division Leader for 1 year, Honorable discharge, June 20, 1967, Draft status: 5-A

I have worked one summer with the U.S. Bureau of Mines doing a mineral survey on the Gile Wilderness (southern area). My classification was as a conservation aide.

The next summer, I worked for Duval Corp., Copper Division, Battle Mountain, Nevada, as a Mining Engineer @ $975 per month. While there my duties consisted of surveying, drafting, keeping all engineering records, and compiling monthly reports, staking claims, exploration drilling, and design.

I have worked in the Mining Dept., at NMINT for the past four years as both an undergraduate and a graduate assistant on many diversified projects.

James C Tebbetts

James Tebbetts was a heavy equipment instructor and mechanic in the Sea Bees, and worked as a mechanic and assistant shop foreman in a GM dealership until he opened his own automotive garage where he also designed and built special exploratory field vehicles and equipment.

Mr. Tebbetts has worked in the various fields of construction such as, electrical, plumbing, steel, wood framing, and road building, to better understand the problems encountered in construction and of field mining equipment.

For the past fifteen years he has done independent field exploration for minerals in and around New Mexico, and until recently he worked at NMMIT in general maintenance as chief mechanic and assistant Property Manager while attending classes in Metalurgical Engineering.

Total Cost

Coring (2,000 feet)	$ 27,440.80
Access Road	17,000.00
Consultants	1,950.00
Per Dium & Travel Expenses	426.22
Assays	350.00
Personnel - Supervisor (one)	3,000.00
Personnel - Truck Driver	2,000.00
Safety Equipment (required by Law)	574.00
Travel Expenses & Per Dium	1,900.80
To Lease (cabin, water truck, misc. equip.)	2,600.00
Core Storage (boxes & cover)	740.00
Lodging (trailer house for drillers & road crew)	2,240.00
Repairs during contract	600.00
Payroll Taxes & Accounting & Insurance	1,260.00
Total Cost for O.M.E. part will be	$ 62,081.82

Other Costs Paid By Me

Road Improvement	$ 7,000.00
Consultants	700.00
Per Dium & Travel Expenses	185.10
Assays	75.00
Travel Expenses	900.00
Repairs	3,000.00
Total	$ 11,860.10

The Total Cost of the exploration project will be $ 73,941.92

Total Cost

Stage One

Coring (978 feet)	$ 13,984.80
Access Road	9,000.00
Consultants	1,050.00
Per Dium & Travel Expenses	216.11
Assays	175.00
Personnel - Supervisor	1,500.00
Personnel - Truck Driver	1,000.00
Safety Equipment (required by Law)	450.00
Travel Expenses	1,100.00
To Lease (cabin, water truck, misc. equip)	1,600.00
Core Storage (boxes & cover)	420.00
Lodging	2,240.00
Repairs	400.00
Payroll Taxes & Accounting & Insurance	630.00

Total Cost of the Stage One of the Exploration project will be

$ 33,765.91

Total Cost

Stage Two

Coring (960 feet)	$ 13,456.00
Access Road	8,000.00
Consultants	900.00
Per Dium & Travel Expenses	210.11
Assays	175.00
Personnel - Supervisor	1,500.00
Personnel - Truck Driver	1,000.00
Safety Equipment (required by Law)	124.00
Travel Expenses	800.80
To Lease (cabin, water truck, misc. equip)	1,000.00
Core Storage (boxes & cover)	320.00
Repairs	200.00
Payroll Taxes & Accounting & Insurance	630.00

Total Cost of the Stage Two of the Exploration project will be

$ 28,315.91

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros.
DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS
P.O. Box 9578
10801 North 21st Avenue
PHOENIX, ARIZONA 85020
Phones: Office (602) 944-2741
Res. (602) 948-2009

General Offices and Plant
1624 Pioneer Road P. O. Box 58
SALT LAKE CITY, UTAH 84110
Phone (801) 487-3671
BRANCH OFFICES
ARIZONA (PHOENIX)
CALIFORNIA (AUBURN)
COLORADO (GOLDEN)
KENTUCKY (LOUISVILLE)
NEVADA (SPARKS)
OKLAHOMA (NORMAN)
WASHINGTON (SPOKANE)
CHILE (SANTIAGO)
CABLE: BOYLESBROS
MEXICO, D.F.
PERU (LIMA)
CABLE: BOYLESCOP

August 3, 1971

Mr. Jon Sthal
Minerals Limited
Box 223
Sacorro, New Mexico 87801

Dear Mr. Sthal:

For your proposed drilling of 3,000 feet near Magdalena, New Mexico, we submit the following proposal:

1. Mobilization - $ 500.00.

2. Drilling

	NX or BXWL	NC or Collar
0 to 500'	11.60 L/F	12.00 L/F

3. Cementing, if necessary, the charge will be $20.00 per hour, plus the cost of cement and cement substitutes, including drilling mud and additives. Material costs will be billed at list price F.O.B. jobsite.

4. Water to be supplied to drill sites by you at no cost to Boyles Bros. Drilling Company.

5. Safe suitable roads and drill sites to be constructed by you at no cost to Boyles Bros. Drilling Company.

6. Moving and setup time between drill sites will be charged for at $20.00 per hour. If you can assist us on these moves, such as pulling our drill equipment to drill sites with your Cat, this will reduce moving time considerable and save on this expense to you.

7. Suitable living quarters will be furnished by you for our crews to live in at your property.

8. Delay or standby time will be charged for at $20.00 per hour.

Thanks for the opportunity to bid on your drilling program. We will be looking forward to working with you. If you have any questions concerning our proposal, please call on us.

Sincerely,

BOYLES BROS. DRILLING COMPANY

S. L. Mathews

S. L. Mathews, District Manager

12

SLM:jwh

C[illegible]ing

Boyles Bros. Drilling Co.

Stage I

Footage	$ 978.00 ± 5%	
Mobilization	$ 500.00	
Cementing & Redrilling 6 hr/ 1000 ft. $20.00/hour	$ 120.00	
Additives, etc.	$ 500.00	
Water Truck Rental	$ 500.00	
Reaming, Casing, etc.	$ 1000.00	
Surveying	(free)	
Drilling	$11364.80	$ 13,984.80

Stage II

Footage	$ 960.00 ± 5%	
Cementing & Redrilling 6 hr/ 1000 ft. $20.00/hour	$ 120.00	
Additives, etc.	$ 500.00	
Water Truck Rental	$ 500.00	
Reaming, Casing, etc.	$ 1000.00	
Surveying	(free)	
Stand-by Time 10 hrs. @ $20.00/hr	$ 200.00	
Drilling	$11136.00	$ 13,456.00

Total $ 27,440.80

7 - A Coring

Miller Drilling Co.

CAN not post Bond

Stage I

Footage	$ 978.00 ± 5%	
Mobilization	$ 300.00	
Demobilization	$ 300.00	
Casing @ 10% total depth (has to be bought)	$ 2100.00	
Cementing & Redrilling 6 hr/ 1000 ft. $20.00/hour	$ 500.00	
Surveying	(free)	
Drilling	$ 6112.50	$ 9,312.50

Stage II

Footage	$ 960.00 ± 5%	
Casing @ 10% total depth (has to be bought)	$ 2100.00	
Cementing & Redrilling 6 hr/ 1000 ft. $20.00/hour	$ 500.00	
Surveying	(free)	
Moving between Drill Sites @ $25.00/hour	$ 250.00	
Drilling	$ 6000.00	$ 8,850.00

Total $ 18,162.50

Miller Diamond Drilling
Frank Miller
Box 97
Central, New Mexico
88026

July 29,1971

J.C. Tebbetts
Metals Limited
Box 223
Socorro, New Mexico

Dear Mr. Tebbetts

For drilling in the Magdalena area, Socorro County, New Mexico. I submit the following rate.

1. For drilling, installing casing, pulling casing, and anything pertaining to getting the hole down, the price will be $25.00 per hour, plus cost of bits, drill mud, cement, and addatives.

2. The water truck is included in the above price.

3. Casing to be furnished by the client.

4. Client to furnish suitable roads for two wheel drive vehicle, drill sites, water stations and any additional water lines necessary.

5. $300.00 mobilization. $300.00 demobilization.

6. Core boxes @ $1.00 per box.

7. $15.00 per hour delay caused by client.

8. Client will be billed the first and fifteenth of each month.

Sincerely

Frank Miller

7 - A C ing

Joy Drilling Co.

Stage I

Footage	$ 978.00 ± 5%	
Mobilization	$ 3000.00	
Demobilization	$ 1000.00	
Casing @ 10% total depth 98 ft @ 3.50/ft.	$ 343.00	
Cementing & Redrilling 6 hr/ 1000 ft. $16.00/hour	$ 96.00	
Additives, etc.	$ 500.00	
Water Truck Rental	$ 500.00	
Reaming 50' @ $9/ft.	$ 450.00	
Surveying	(free)	
Drilling	$19364.40	$ 25,253.40

Stage II

Footage	$ 960.00 ± 5%	
Casing @ 10% total depth 96 ft @ 3.50/ft.	$ 336.00	
Cementing & Redrilling 6 hr/ 1000' $16.00/hour	$ 96.00	
Additives, etc.	$ 500.00	
Water Truck Rental	$ 500.00	
Reaming 50' @ $9/ft.	$ 450.00	
Surveying	(free)	
Moving between Drill Sites	$ 500.00	
Drilling	$19008.00	$ 21,390.00

Total $ 46,643.40

AIR POWER DIVISION

JOY MANUFACTURING COMPANY
900 WOODLAND AVENUE
MICHIGAN CITY, INDIANA 46360

July 20, 1971

Metals, Ltd.
P. O. Box 223
Socorro, New Mexico

Attention: Mr. James C. Tebbetts

Gentlemen:

Thank you for inviting JOY to submit prices on your core drilling program. The project area is located approximately sixteen miles from Magdalena, New Mexico.

Our Southwestern Area Manager, Mr. Jack C. Lloyd, inspected the drilling area and has furnished us with a detailed account of the local conditions existing in the project area. We understand that a total of 10,000 feet of drilling is to be performed, with the maximum depth of the drill holes being 500 feet. The drill holes will be drilled at angles varying from horizontal to vertical.

Based on the information which we have accumulated on your project, we submit the following for your consideration.

Mobilization - Per Drill			$3,000.00.
Demobilization - Per Drill			$1,000.00
Drilling	NX	BX	AX
0. to 500. feet	$19.80/ft.	$19.40/ft.	$19.00/ft.
Moving between drill sites			$500.00 per move.
Cementing			$16.00 per hour.
Reaming			$9.00 per foot.
Drilling Mud			$3.00 per 50-lb. bag.
Drilling Mud Additives			F.O.B. Job Site.
NX Casing			$3.50 per foot.
BX Casing			$2.50 per foot.
AX Casing			$2.00 per foot.

Sheet No. 2 To: Metals, Ltd.

July 20, 1971

Standby Time including weather delays	$16.00 per hour.
Weather-Treated Cardboard Core Boxes holding ten feet of core each.	$1.50 per box.
Four-Wheel Drive, 3/4 Ton Water Truck	$500.00 per month.
Water Pipe Line, if necessary, to be furnished by Metals, Ltd.	
Installation of Pipe Line	$7.00 per man-hour.
Diamond Bit Loss in excess of $2.00 per foot	At actual cost.

We will expect Metals, Ltd. to construct and maintain access roads, level the drill sites, dig sumps, and haul fuel and supplies to the drill sites with your half-track unit.

We propose to furnish, for you work, one modern JOY skid-mounted core drill unit. We will operate the drill two (2) eight-hour shifts per day and six (6) days per week.

We have included, as a bid item, a charge of $500.00 for moving between setups. Moving between setups will be accomplished using the entire four-man drill crew. We will also expect Metals, Ltd. to furnish a half-track for transporting all accessory equipment, including drill rods, casing, core barrels, tripod, sills, lumber, etc. between setups. The drilling machine will be moved between setups under its own power.

Drilling mud additives are quoted at job site cost. Job site cost of the mud additives will be determined as being the actual cost of the mud additives at the nearest supply point, plus the cost of transportation from the supply point to the work area.

Casing lost or left in place at your request will be charged at the above rates. We will make every effort to recover casing from the drill holes, where casing is not requested in place. If the recovery cannot be made within a reasonable length of time, we will abandon the effort to recover the casing and ask you to pay for the lost casing at the quoted rate.

We will furnish pumps and fuel for pumping water to the drill setups whenever it has been determined that pumping is the best means of supplying water to the drill setups. We will expect Metals, Ltd. to furnish pipe line for piping the water. The installation of the pipe line will be accomplished with our drill crews at a rate of $7.00 per man-hour.

Sheet No. 3 To: Metals, Ltd.

July 20, 1971

We have based our prices on a diamond bit loss of $2.00 per foot. If the diamond bit loss should exceed $2.00 per foot, we will ask you to pay for the excess loss at actual cost.

Delays because of adverse weather conditions will be chargeable at the delay rate of $16.00 per hour. If an extended delay is encountered because of weather conditions and it is determined that it is no longer economically feasible to continue the work, we will move out until spring, or until it has been determined that the work can be carried on in a normal manner. A mobilization charge of $3,000.00 per drill will be made for moving back on the job after extended weather delays.

Thank you for the opportunity of quoting on your core drilling projects. If you have any questions concerning our quotation, you may feel free to contact our Southwestern Area Manager, Mr. Jack C. Lloyd, at our Tucson office.

Yours truly,

JOY MANUFACTURING COMPANY

W. B. Smith

W. B. Smith, Contracts Manager
Drill Division

WBS:rh

Assays on Bid

Assay as required for 1000 feet of core = 100 assays

Every 10th assay by Spectrograph for total analysis = 10 assays

Gold & Silver ---- fire assay

Copper ---- wet analysis

Charles O. Parker & Co.

Gold & Silver ----	2.50 per sample ----	250.00
Spec. analysis ---	10.00 per sample ----	100.00
Total		350.00

The Colorado Assaying Company

Gold, Silver & Copper ----	6.00 per sample ----	600.00
Spec. analysis ----	10.00 per sample ----	100.00
Total		700.00

Albuquerque Assay Lab, Inc.

Gold & Silver ----	3.25 per sample ----	325.00
Spec. Analysis ---	14.75 per sample ----	147.50
Total		472.50

CHARLES O. PARKER & CO.

CHEMISTS • ASSAYERS • ENGINEERS

TELEPHONE 623-1852
2114 CURTIS STREET
DENVER, COLORADO 80205

July 15, 1971

Miss Donna Brown
c/o Metals Limited
P. O. Box 223
Socorro, New Mexico 87901

Dear Miss Brown:

Enclosed are lists of our current prices for single determination assays. Gold, silver, and platinum group metals are determined by fire assay. All other elements are determined by standard accepted chemical methods. We like to work in close cooperation with the customer to the effect that if our assay result seems out of line (perhaps in error) we are happy to repeat the assay at no extra charge to the customer. Control assays, (where duplicate and triplicate determinations are run as necessary) are two times the price of the single determinations as indicated on the price list.

We also provide a service of complete analysis (semi-quantitative) by means of the Fluorescent X-Ray Spectrograph of elements with atomic numbers of 22 or higher for $ 10.00.

Assay results are usually completed within 24 to 48 hours after samples arrive to our laboratory.

I hope you will find our services and prices acceptable to your organization. I am happy to answer any further questions you may have concerning our prices, services, reputation, etc.

Very truly yours,

William J. Bealer

William J. Bealer, Chemist
CHARLES O. PARKER AND COMPANY

Assay Price List
Charles O Parker & company
2114 Curtis St.,
Denver, Colorado 80205
623-1852.

Gold	$1.50
Silver	1.50
Gold & Silver (Same Sample)	2.50
Copper, Lead, Zinc, each	1.50
Aluminum	5.00
Antimony	5.00
Arsenic	5.00
Barium	5.00
Beryllium	7.50
Bismuth	7.50
Chromium	7.50
Cobalt	7.50
Columbium - Tantalum (Conbined)	10.00
Fluorspar	4.50
Iron	2.50
Insoluble	2.50
Lime	2.50
Magnesium	3.00
Manganese	3.00
Mercury	5.00
Molybdenum	7.50
Nickel	5.00
Phosphorus	5.00
Platinum	7.50
Silica	3.00
Sulphur	2.50
Thorium	10.00
Tin	7.50
Titanium	7.50
Tungsten	7.50
Uranium	7.50
Vanadium	3.00
Rare Earths	10.00
Fusion, Silica, Lime Iron, each	3.00
Complete Qualitative Analysis	15.00

EDMUND E. PHILLIPS, VICE-PRES. - GEN. M.

M. E. PHILLIPS, SECRETARY

THE COLORADO ASSAYING COMPANY

(Incorporated)

ASSAYERS AND CHEMISTS

2244 BROADWAY

DENVER, COLO. 80201

OUR MOTTO: – *"What there is in it, no more, no less."*

July 12, 1971

Mr. J. C. Tebbetts,
Metals Limited
Socorro, New Mexico.

Dear Sir:

The following quotation is submitted in reply to your telephone request of today:

The Gold, Silver and Copper assays on a sample under five pounds is $6.00 per sample. For samples over five pounds, add 5 cents per pound. For wet samples add 50 cent up to five pounds and 5¢ per pound additional for excess poundage over five pounds. If samples submitted are properly prepared pulp (fine ground) samples, the Gold, Silver and Copper assays are $5.50 per sample. Somewhat more or less than 100 samples per month for the 10 months does not change the assay charge rate. These rates are for single crucible Gold & Silver fire assay and a single wet chemical Copper assay by the Short Iodide method. The Copper assay by Long Iodide method is $2.00 additional per sample.

The Spectrographic Analysis (on every 10th sample) is $10.00 per sample.

As we traditionally carry no accounts, your check in payment for each batch of samples submitted is requested sent at the same time.

These rates will hold against increase for one year from this date.

Thank you for the inquiry. We look forward to serving you.

Very truly yours,

THE COLORADO ASSAYING COMPANY

BY Ed Phillips

ROBERT E. SMITH
CONSULTANT MINING ENGINEER & ASSAYER
REG. PROFESSIONAL ENGINEER

DR. C. J. M. NORTHRUP, JR.
PHYSICIST & CHEMIST
RESEARCH CONSULTANT

ALBUQUERQUE ASSAY LAB, INC.
4115 SILVER, S.E.
ALBUQUERQUE, N. M. 87108
TELE — (505) 268-1228

Metals Ltd
Box 233
Socorro, N,M.

Dear Mr Schwab

Thank you for the opportunity to quote on your request for a volume price for copper, gold and silver(fire assay) and a follow-up chemical analysis of certain specified samples. Our quote for 100 or more dry samples submitted in packages of 2 pounds or less, including crushing and pulverizing, to be assayed for tatal copper is $1.75 per assay. Our price for fire assay of gold and silver probably can't be very competitive because we only analyze these by atomic absorption but we can arrange for another laboratory that performs the fire assay to do the job for $3.25 per sample. If you desire to have a lab of your choice perform the gold and silver assay we will be glad to withhold a representative sample of your original sample for shipment to your designated laboratory. Such an arrangement would save you shipping costs as each sample submitted to us will have been crushed, pulverized and split to a small size (weight).

For the chemical analysis of samples, we propose that each sample be analyzed by fluorescent X-ray spectroscopy (not optical emission spectroscopy) followed by a wet chemical analysis of all major metallic ellements shown to be present. Our quote for this type analysis is $14.75 each sample. If fire assay for gold and silver in these special samples is also required, the total price for all would be $18.00

I thank you for the opportunity to make this quotation.

Sincerely

Robert E. Smith

4115 Silver Avenue, S.E.
Albuquerque, New Mexico 87108

268-5776

GROUP	METALS ASSAYED		PRICE
A	Gold (Fire Assay)		$ 3.50
AA	Gold & Silver Fire Assay plus platinum indication test*		10.00
B	Silver	Iron	Uranium
	Copper	Chromium	
	Lead	Cobalt	
	Zinc	Manganese	15.00
	Nickel	Antimony	
	Molybdenum		
	Mercury (Indication test)*		

*Indicates presence or absence of metal in sample.

SPECIALS	PRICE
Group A + B	$17.50
Groups AA + B	22.50

Note: Assay prices quoted do not include 4% State sales tax for in-state customers. Also, for most samples submitted for assay, a 50¢ minimum sample-preparation fee must be charged unless sample is submitted dry & in a pulveriged condition. For dry pulverized samples, no sample-preparation fee is charged.

The semi-quantitative assay for Group B provides assays of common metals of interest to the average prospector and consists of a chemical analysis for each element in the Group, and if present, a measurement is made of the amount present. Although it is quite accurate, it does not have the same precision as our standard chemical assay for specific metals listed below. The fire assay for Group A or AA is recommended if the prospector is interested in precious metals.

A qualitative x-ray flourescent spectrographic analysis for 50 or more elements is also available for $15.00. This analysis can only give a rough approximation of the quantity of metals present in the sample and is not nearly as accurate as the standard semi-quantitative assay Group B above. This method does not detect low values of precious metals in ores, so it is recommended that Group A or AA supplement this analysis to check for precious metals (gold, silver and platinum).

TYPICAL FEES FOR MOST FREQUENTLY REQUESTED ORE ASSAYS (STANDARD CHEMICAL ANALYSIS)

$2.50 each	$3.50 each	$5.00 each	$7.50 each
Silver	Gold (Fire Assay)	Cobalt	Molybdenum
Copper	Zinc	Manganese	Tungsten
Lead	Nickel	Antimony	Mercury
Iron	Chromium	Aluminum	Vanadium

SPECIAL (Same sample)

Uranium: Radiometric $3.00 $\%U_3O_8$; Chemical equivalent, $\%U_3O_8$ $5.00
Gold & Silver (Fire Assay)* 5.00
Gold & Silver & Copper & Lead & Zinc 11.50
Silver & Copper & Lead & Zinc 9.50

Also, ask for our geochemical assay price list.

Fire assay takes approximately one week for completion. If you desire the analysis by atomic absorption, allow approximately 3 or 4 days. However, the atomic absorption assay method does not always give the same precision that the fire assay analysis does.

LEON SIEGEL, M.S., P.E.

2315 Myrtle Ave.
Phone 532-3831

CHEMICAL
EL PASO TESTING LABORATORIES
CHEMISTS & ENGINEERS
P. O. Box 1565
El Paso, Texas 79948

July 12, 1971

Mr. J.C. Tebbetts
Metals, Ltd.
P.O. Box 223
Socorro, N.M. 87801

Dear Mr. Tebbetts:

Confirming our telephone conversation, I submit the following quotation:

Analysis of copper, (gold and silver by atomic absorption)
(received in lots of 10 or more).....$ 5.00 per sample

Analysis of copper, (gold and silver by fire assay)
(received in lots of 10 or more)..... 8.00 per sample

Spectrographic (qualitative analysis)
(received in lots of 5 or more)..... 10.00 per sample

If you wish to establish credit, please send us three credit references, one of whom is your bank, or else payment must accompany samples.

We trust that we can be of service to you.

Very truly yours,

EL PASO CHEMICAL LABORATORIES

Leon Siegel

Leon Siegel, Director

LS/aks

COMMON TRACE ANALYSIS PRICE SCHEDULE
FOR NORMAL GEOCHEMICAL ASSAYS BASED ON 70 MESH MATERIAL
SUBMITTED IN MINIMUM LOTS OF 20 DRY SAMPLES PER ORDER

1971

Element(1)	Symbol	Cost
Copper, total	Cu	$1.50
Lead	Pb	2.00
Zinc	Zn	2.00
Silver	Ag	2.00
Molybdenum*	Mo	2.00

*Molybdenum sulfide (MoS_2) geochemical samples submitted for trace analysis.

(1) Other geochemical assays are performed. Please feel free to ask us for quotations for your specific geochemical assay requirements.

Silver City Testing Laboratories
1024 Hudson St., Silver City, N. M. 88061
Phone 538-3029

Bid Submitted to Metals Limited by Silver City Testing Laboratories Incorporated of Silver City, N.M.,to do assay work for said company.

Au & Ag $4.50

Ag $3.50

Spectrographic Analysis (Qualitative) $10.00
All quotes + state tax .04

Walbert Klein

Assays on Bid

Assay as required for 1000 feet of core = 100 assays

Every 10th assay by Spectrograph for total analysis = 10 assays

Gold & Silver ---- fire assay

Copper ---- wet analysis

Charles O. Parker & Co.

Gold & Silver ----	2.50 per sample ----	250.00
Spec. analysis ---	10.00 per sample ----	100.00
Total		350.00

The Colorado Assaying Company

Gold, Silver & Copper ----	6.00 per sample ----	600.00
Spec. analysis ----	10.00 per sample ----	100.00
Total		700.00

Albuquerque Assay Lab, Inc.

Gold & Silver ----	3.25 per sample ----	325.00
Spec. Analysis ---	14.75 per sample ----	147.50
Total		472.50

Personal Services

Mining Engineer -	Drifting - Blasting - Coring Expert Surveying - Drilling Supervisor Free
Supervisor -	Geologist - Metallurgical Engineer Mechanic - Welder - Heavy Equipment Operator $600.00 per month
Consulting Geologist -	Work As Needed - Minimum two days per month $190.00 per month
Truck Driver -	Laborer - Field Assistant $400.00 per month
Laborer - (as needed)	Mucking - Drilling - Carpenters Helper Field Assistant $80.00 per week

****

Assistant Geologist -	Geological Mapping - Core Logs - Assay Logs - Field Accounting - Explosives Log - Mine Log - Survey Books Free
Geochemist -	Work As Needed - Minimum two days per Month $220.00 per month
Surveyor -	$500.00 per month

7 - C Costs of Operating Supplies and Materials

Explosives

Giant Gel	8 cases for Mines	$32.25/case	$ 258.00
Gelodyn 3	2 cases for Dam	$31.75/case	$ 63.50
10 Timemaster Caps			
0 Delay	1 case	$31.80/case	$ 31.80
10-12 Delay	1 case	$46.55/case	$ 46.55
Total			$ 399.85

From the desk of . . . Phone 247-5482

GENE GANT

TO: DATE

2,000 Del.

Gelodyn 3 1¼ X8 31.75

Gant Gel. 1¼ X8 32.25

1,000 or Less. on Caps.

10 Timemaster 0 Delay 31.80/c

1 Delay. 39.55/c

2, 3 Delay. 40.55/c

4, 6 Delay. 42.55/c

7, 9 Delay. 44.55/c

10, 12 Delay. 46.55/c

BUD WALTER, INC.
P. O. BOX NO. 1
FARMINGTON, NEW MEXICO 87401
PHONE: 325-5131

ATLAS EXPLOSIVES 24-HOUR SERVICE

BRANCH OFFICE
3305 COORS BLVD. S. W.
ALBUQUERQUE, N. M. 87001
PHONE 505-877-2400

February 27,1971

Dear Customer;

We are writing this letter to direct your attention to the enactment of a new federal law, Title 11 of the organized Crime Control Act of 1971, covering the regulation of explosives. The Commissioner of the Internal Revenue Service has promulgated Regulations pursuant to this law. The law and accompanying regulations Became effective February 12,1971.

If you intend to buy,sell, receive,distribute,import,manufacture or use explosives on or after Feb.12,1971,there are some requirements that must be adhered to before we can deliver explosives to you or your firm.We are enclosing forms that will help you supply us with the information that we must have. Form A is to be completed if you are applying for a licence or permit and form B is to be completed if you plan to purchase explosives under the IRS 4710 form.The 4710 must be completed in the presence of one of our employee's.

Please understand that this letter is solely an attempt to notify you of some of the requirements that we must see fullfiled. Bear in mind that this letter does not purport to be a summary or interpretation of the law and should not be construd as such.

In the past we have supplied portable Magazines for storage but for the present they will not meet the new federal requirements. As soon as they will meet the new requirements or as soon as IRS will allow us some type of deviation from the new laws we will contact you at once. Our drop trailers which has been used to store Nitro-Carbo-Nitrate will meet the new requirements.

You should familiarize yourself with this new law and how it will affect your paticular business operations. You may obtain more information from your local Internal Revenue Service.

We must once again make mention of the afore stated items that we must have in order to deliver explosives to you or your job sites.

Remember the completion of a IRS 4710 must be completed before we can make a delivery to anyone not having a permit and it must be completed in the presence of one of our employee's.

If you have sent the required information please disregard this letter,If not, please try to get the information to us as soon as possible. Our drivers will have the 4710 with them at time of delivery.

Thanking you in advance

Yours very truly
Bud Walter Inc.

By _____

P.S. If you have any questions please feel free to call us at our Farmington Office.

7 - C Costs of Operating Supplies and Materials

Oil, Fuel, Grease, Etc.

Gasoline (regular) 31.6/gallon (delivered) 500 gallon/delivery

This fuel will be used by our vehicles, small engines, etc., on the area we wish to explore. The past year our average fuel consumption has been 100 gallons per week. We will have several engines running full time over the next ten months that have only run part time in the past. But we will probably have fewer trips off the mountain, therefore, we are estimating our fuel consumption at $47.40 per week or $189.60 per month.

Oil, Grease, Filters, etc.

In the past year our average oil, grease, filters, etc., useage has been $32.40 per week. There is no foreseeable reason for this to change.

Prices

Standard Oil Products

500 gallons Gasoline		31.6/gallon
500 gallons Diesel		18.5/gallon
Hypoid	90 or 120	25.50/drum
30-40-50 wt Oils		8.28/case

Eidson Metal Products

Fuel Tank			
	300 gallon	on skids	140.40
	560 gallon	on skids	183.60
Water Tank			
	300 gallon	on skids	110.00
Stand			57.80

Costs of Operating Supplies and Materials

Replacement of Required Safety Equipment

Hats	per each	$5.15	4 each	$ 20.60
Shoes	per pair	$26.95 (repair)	2 pair	$ 53.90
Gloves, Leather	per pair	$4.75	10 pair	$ 47.50
Red Danger Flags	per dozen	$8.40	1 dozen	$ 8.40
Dynamite Pouch	per each	$5.20	1 each	$ 5.20
Safety Goggles	per pair	$4.37 (parts)	10 pair	$ 43.70
Coveralls, Standard	per pair	$8.50	5 pair	$ 42.50
Coveralls, Thermal	per pair	$32.00	2 pair	$ 64.00
Sound Deadeners	per pair	$17.50	2 pair	$ 35.00
Total				$ 320.80

7 - D Operating Equipment

Provided by Applicant

Weazel (Studebaker)	$ 1,900.00
Air Fans Ventilation	225.00
Air Compressor (just overhauled)	500.00
Water Pump	250.00
Welder (new)	200.00
Jaeger Hoist	800.00
Ponjar Gas Drill	1,200.00
4 x 4 (Utility Machine Shop)	N.A.
6 x 6 (Winch)	1,800.00
Rover (1969) as needed	N.A.
Pick Up (1970) self	N.A.
Panel (1953) as needed	N.A.
Dump (1944)	500.00

To Lease

Cat (D6C) (used) $1,900.00 (price per month) with a ripper

Cat (D8) (used) $4,850.00 (price per month) with a ripper

Front End Loader (D6C) used $2,000 (price per month)

To Buy

Air Hose 'Yellow Jacket'	50 foot rolls 2'' 2 rolls = $535.68		$267.84 per roll
Water Hose (1 roll)	100 foot rolls 1½''		$159.00 per roll
Water Pump			$154.95
Water Tank			$110.00
Fuel Tank			$145.00
Spark Arresters (2)	$35.00/each		$ 70.00
Water Pipe 2"	$ 1.00/foot	(1,000 feet)	$ 1,000.00

5-B

7-D

LEASE PRICES

Rust Caterpiller Tractor Co.

Model	New	Used	Accessories
D 9	$ 6,500	$ 4,850	W/Ripper
D 8	4,500	3,150	W/Ripper
D 6 C	2,500	1,900	
D 6 C		2,000	W/Bucket
D 4 (941)		1,150	W/Bucket

Cat Model 955, Traxcavator, Series C, 1956

Location - El Paso, Texas Lease price per month $ 1,000.00

Lease price on 6 month basis/per month $ 800.00

D 6 Dozer

Location - Albuquerque, New Mexico Lease price per month $ 950.00

Lease price on 6 month basis/per month $ 750.00

Model 2010, Crawler Loader

Location - Albuquerque, New Mexico Lease price per month $ 800.00

Hauling & transportation charges per mile = $ 1.70/mile

7 - F Core Storage (8 X 26)

Tarps to keep cores in out of the weather until they are no longer needed.	$ 250.00
Portable core storage racks and core boxes	$ 732.00
Total	$ 982.00

7 - G Repairs and Maintenance

Small Engines	$ 55.00 - 65.00/yr
Large Engines	$ 70.00 - 80.00/yr
Trucks & Rolling Stock	$ 90.00 - 100.00/yr
Tires & Tubes	$ 35.00 - 180.00/yr
Drilling Equipment	$ 100.00 - 140.00/yr
Total	$ 425.00/year

7 - G Miscellaneous

Accounting

The estimated costs of accounting services, at $ 45.00 per month or a total of $ 270.00 for the 6 month period it will take to complete our exploration.

7.02
7.02 T

2.06
.10
2.16 T

7.02
.56
7.58 T

7.58 T

7.58
.30
.00
227.40 T

BALDWIN AGENCY

BOB BALDWIN

INSUROR • REALTOR

"Since 1925"

P. O. BOX EE • SOCORRO, N. M. 87801

105 PLAZA N.W. TEL: 835-1120

COURTESY IS CONTAGIOUS

General Manager

Date: 19 Jul 71

Subject: Workmens Compensation Insurance, Mining Operation, State of New Mexico

)1

ised you, our agency is not aware of any casualty carrier entered in New Mexico which willwrite Workmens Compensation Insurance for an underground mining operation. Our industry has provided for the purchase of Assigned Risk Workmens Compensation, simply meaning that by applications a Company is assigned your risk for acceptance. Included in that coverage is Employers Liability coverage in an amount of $100,000. We trust that this is the desired information.

R L Baldwin

BALDWIN AGENCY R L Baldwin Agent

Please write reply here and return to sender.

ANDICITE
G-AND
AND-BIRDS EYE
ASH
RHYOLITE
RHY-FLOW
TN
13°
MN
9000
9205
10254
10000
1 MI

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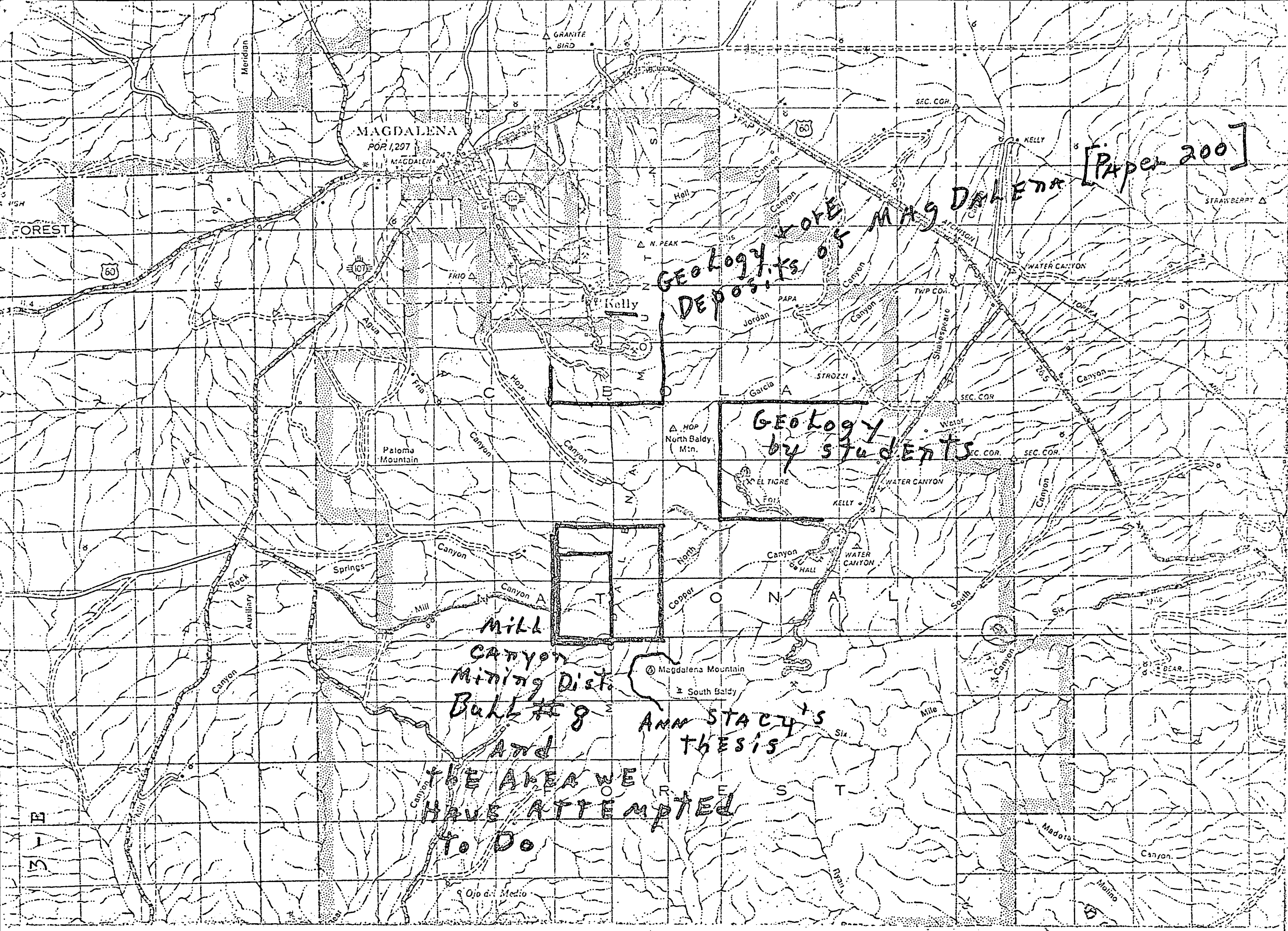
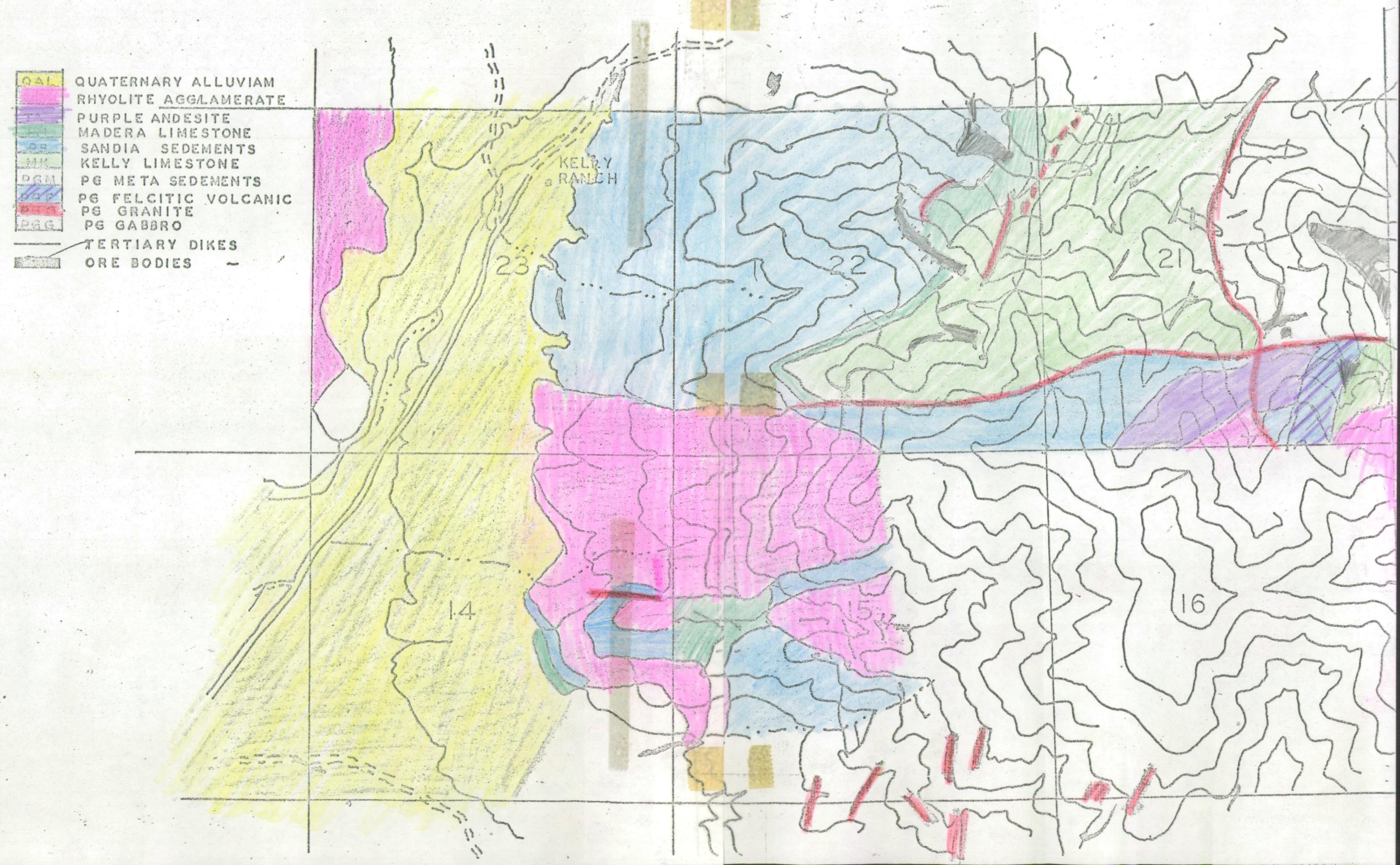


[Paper 200]
Geology, ore deposits of Magdalena
Geology by students
Mill Canyon Mining Dist. Bull #8
Ann Stacy's thesis
And the area we have attempted to do
MAGDALENA
POP. 1,297
MAGDALENA
FOREST
GRANITE
BIRD
Meridian
Kelly
KELLY
N. PEAK
Hall
Canyon
Ellis
Jordan
PAPA
Garcia
STROZZI
Shakespeare
SEC. COR.
TWP COR.
WATER CANYON
ATCHISON
TOPEKA
AND
STRAWBERRY
FRIO
Agua
Fria
Hop
HOP
North Baldy Mtn.
Paloma Mountain
EL TIGRE
Fork
Water
North
Copper
Springs
Rock
Auxiliary
Mill
HALL
Magdalena Mountain
South Baldy
South
Six
Mile
BEAR
Madora
Molino
Ryan
Ojo del Medio
MOUNTAINS
CIBOLA
NATIONAL
FOREST

GEOLOGY OF PART OF WATER CANYON DISTRICT
ADAPTED FROM FIELD WORK PLOTED
BY STUDENTS
N.M. INST. OF MINING & TECH.

T.3 S. R.3 W.



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OCT 7 1971
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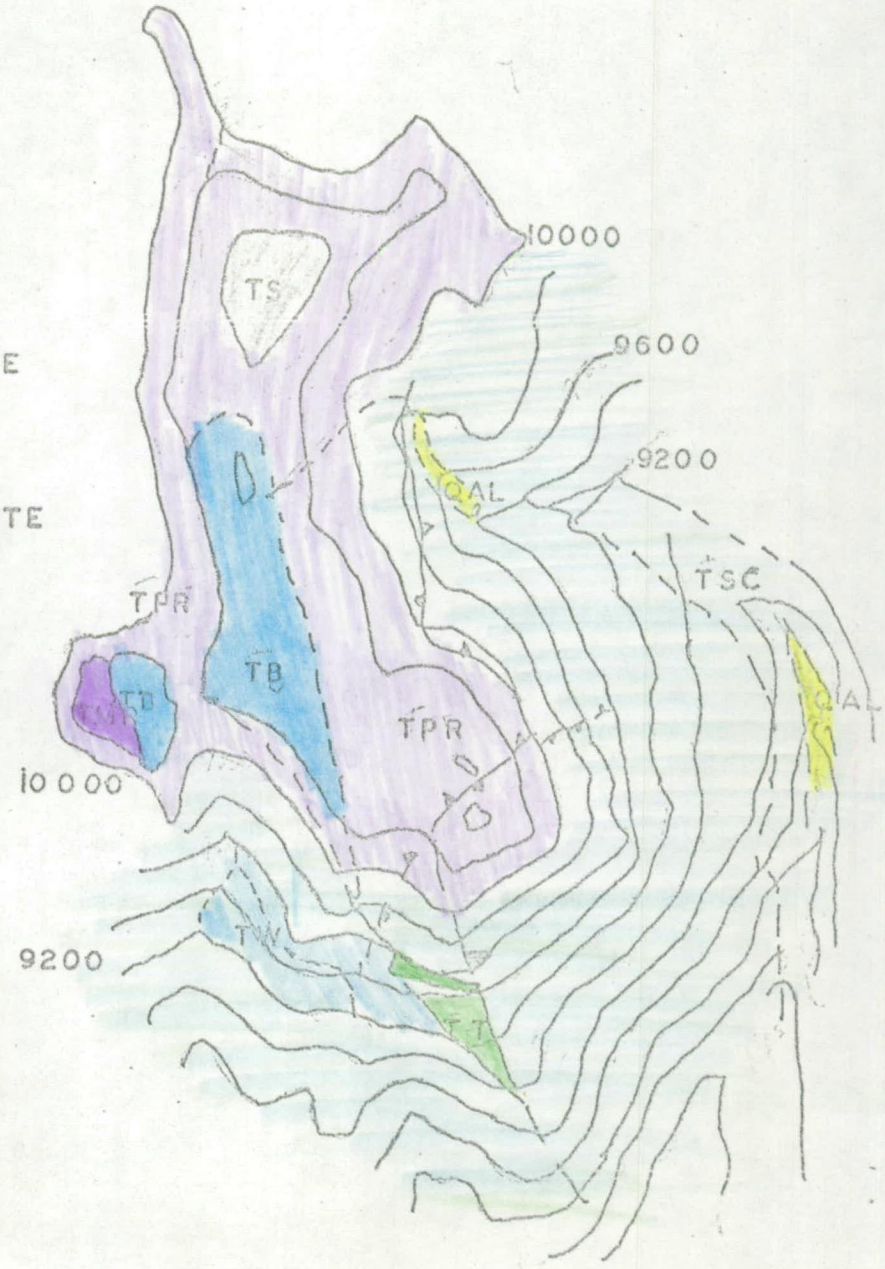
GEOLOGY OF THE AREA AROUND SOUTH BALDY

ADAPTED FROM THESIS BY ANN L. STACY

LEGEND

- QAL — QUATERNARY ALLUVIUM
- TB — LAHARIC BRECCIA
- TS — SOUTH BALDY ANDESITE
- TM — MOHAWK PEAK RHYOLITE
- TPR — PURPLE RHYOLITE
- TSC — SAWMILL CANYON ANDESITE
- TSS — ROSY SANDSTONE
- TT — TUFFACEOUS UNIT
- TW — SOUTHWESTERN BASEL GROUP



ADAPTED FROM
G. F. LAUGHLIN 1916
A. H. KOSCHMANN &
V. L. STRINGFIELD 1928-1929

MAGDALENA MINING DISTRICT

Q QUATERNARY

PZ UPPER PALEOZOIC

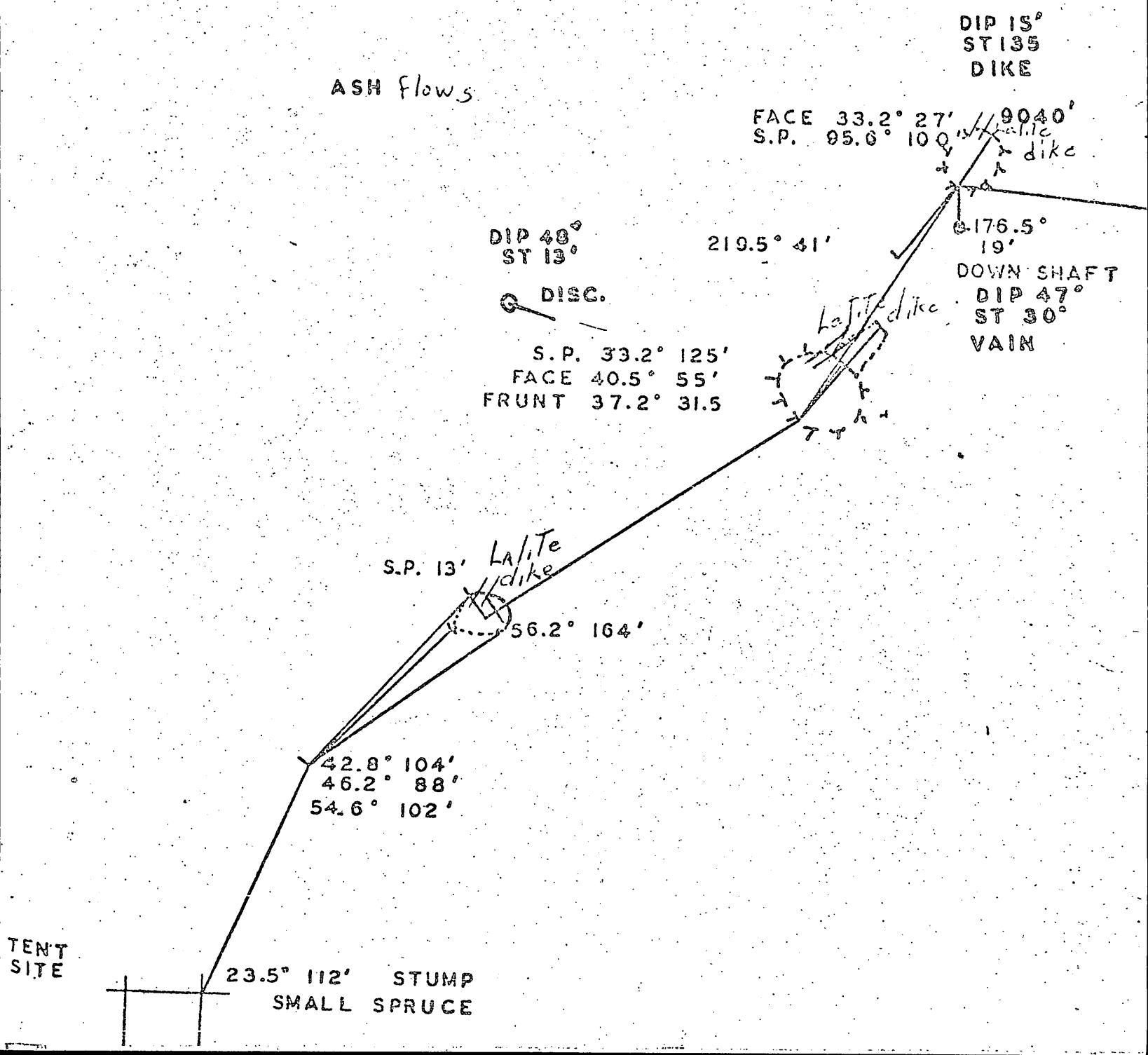
ARG PRECAMBRIAN

T TERTARY

3 - E

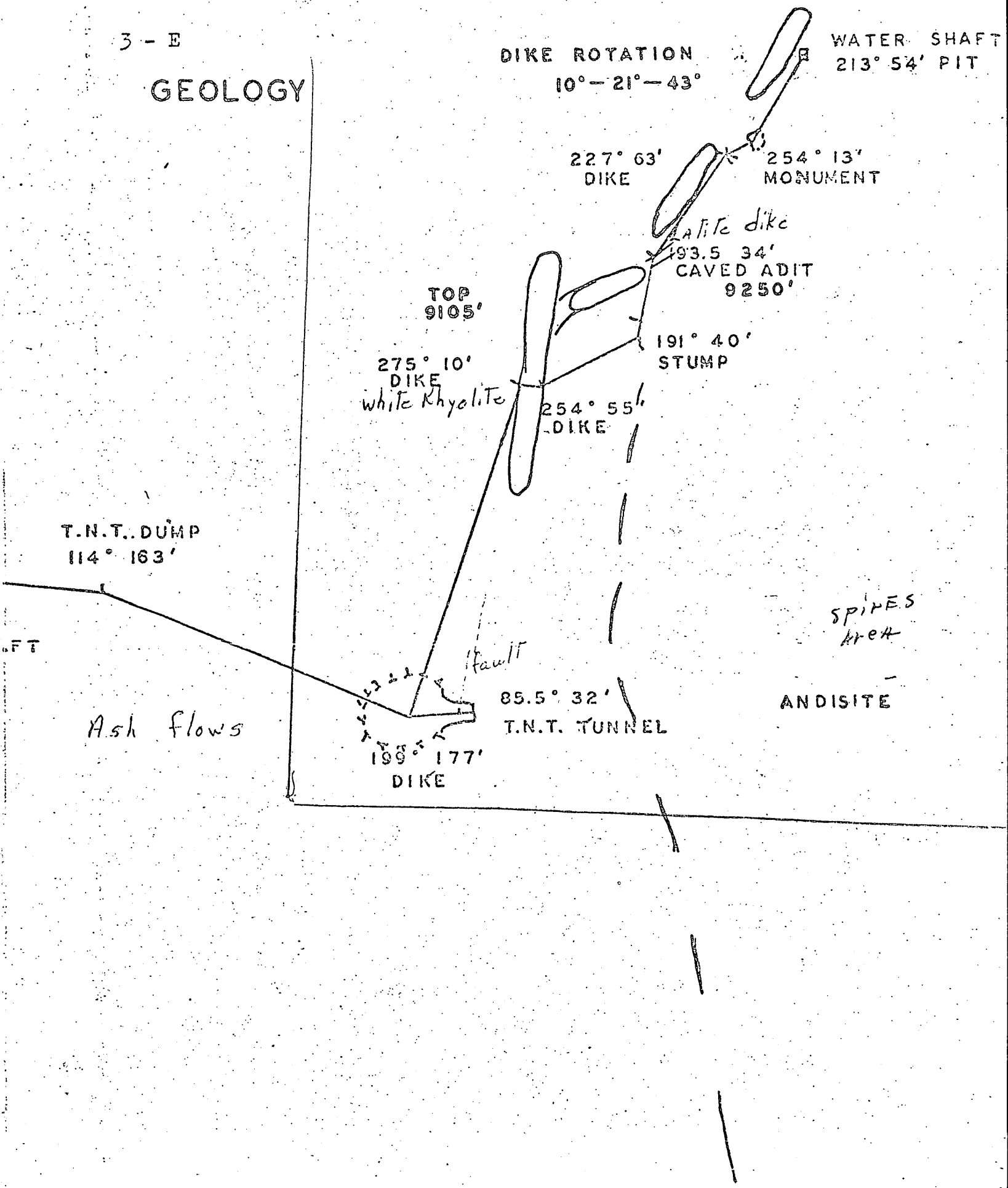
GO FOR CLAIMS

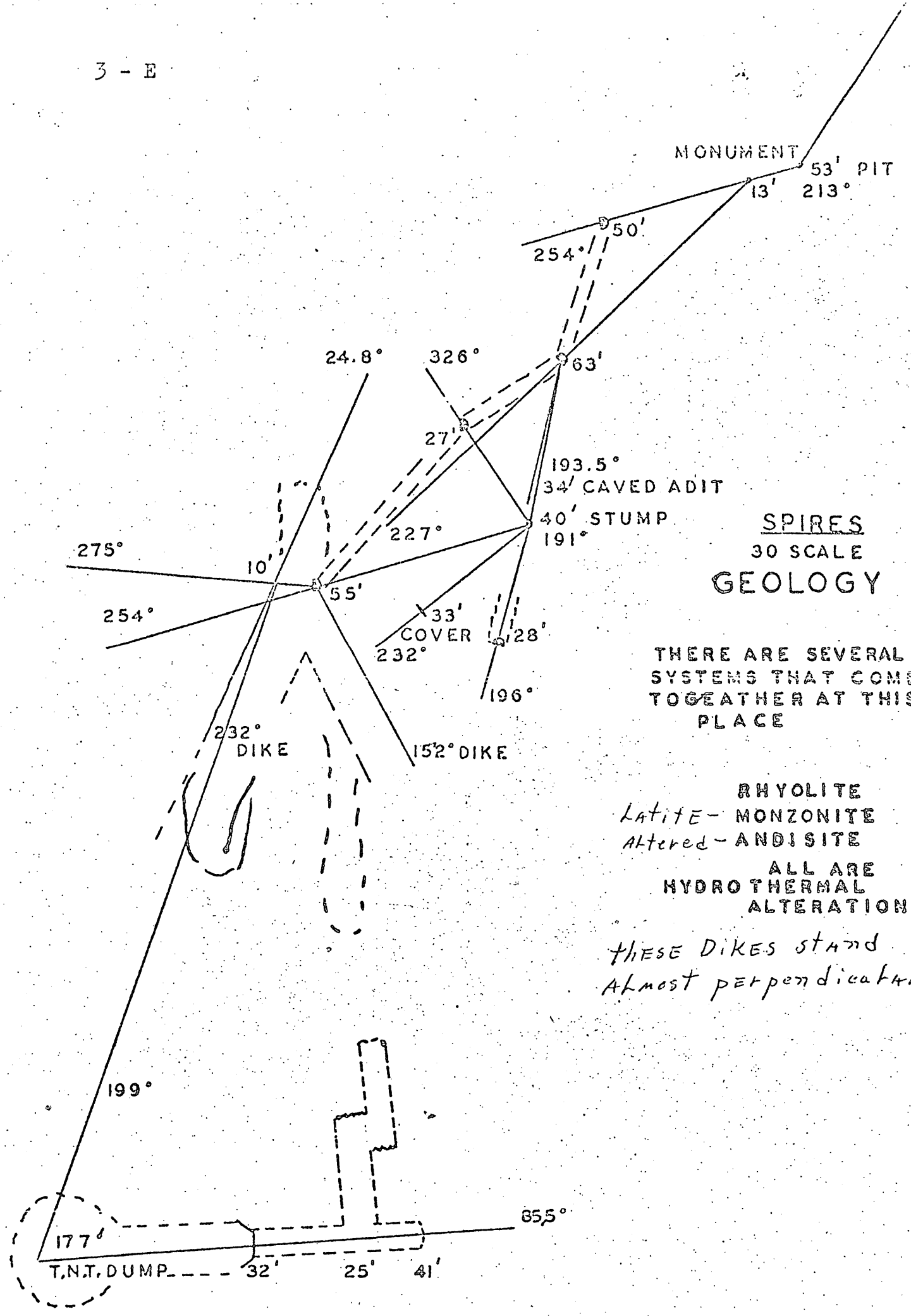
60 SCALE



3 - E

GEOLOGY


DIKE ROTATION
10° — 21° — 43°
WATER SHAFT
213° 54' PIT
227° 63'
DIKE
254° 13'
MONUMENT
alite dike
193.5 34'
CAVED ADIT
9250'
TOP
9105'
191° 40'
STUMP
275° 10'
DIKE
white Rhyolite
254° 55'
DIKE
T.N.T. DUMP
114° 163'
spires
Arch
fault
85.5° 32'
T.N.T. TUNNEL
ANDISITE
Ash flows
199° 177'
DIKE



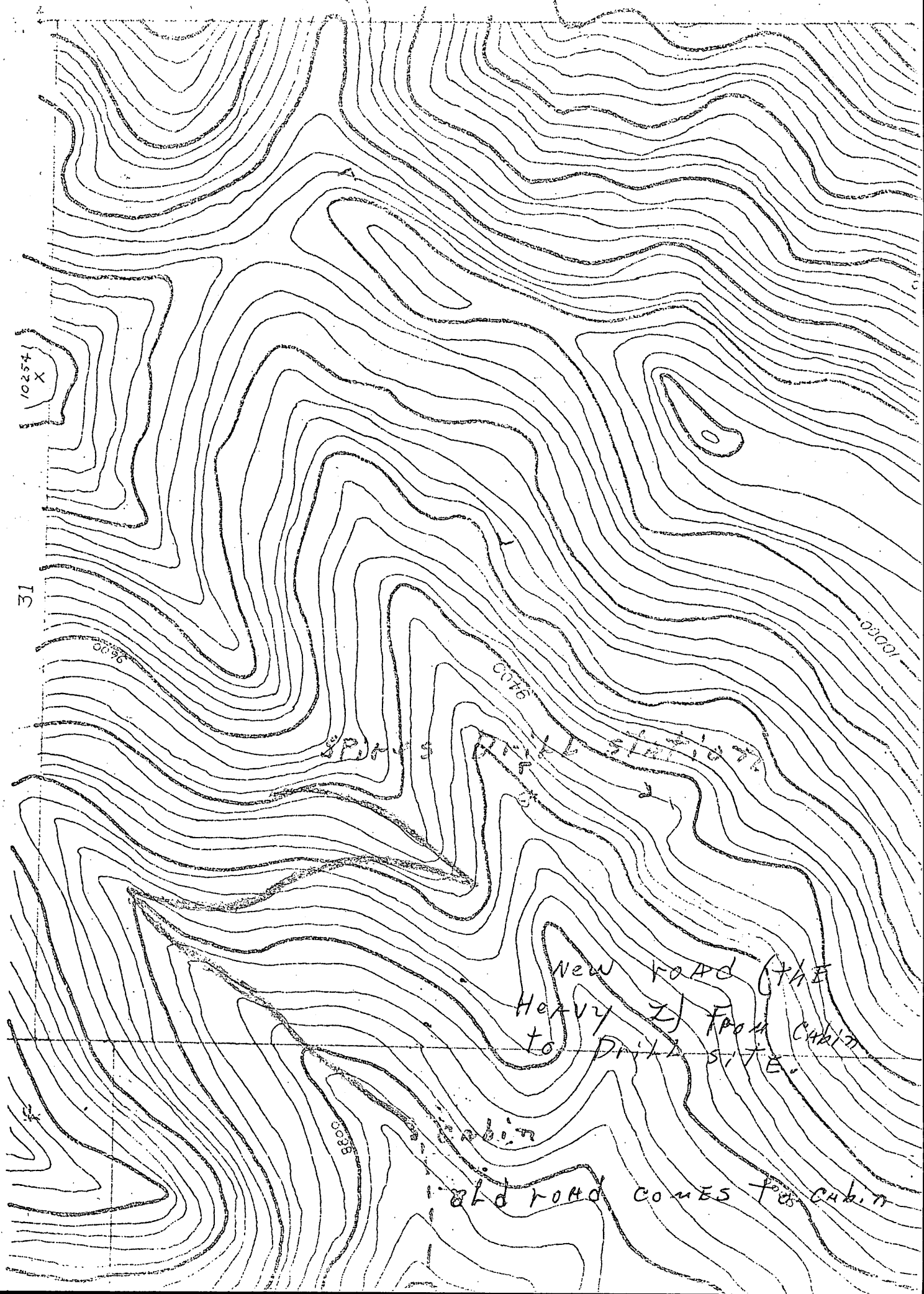
SPIRES
30 SCALE
GEOLOGY

THERE ARE SEVERAL DIKE SYSTEMS THAT COME-TOGEATHER AT THIS PLACE

RHYOLITE
Latite - MONZONITE
Altered - ANDISITE
ALL ARE HYDROTHERMAL ALTERATIONS

these Dikes stand Almost perpendicular

5-A

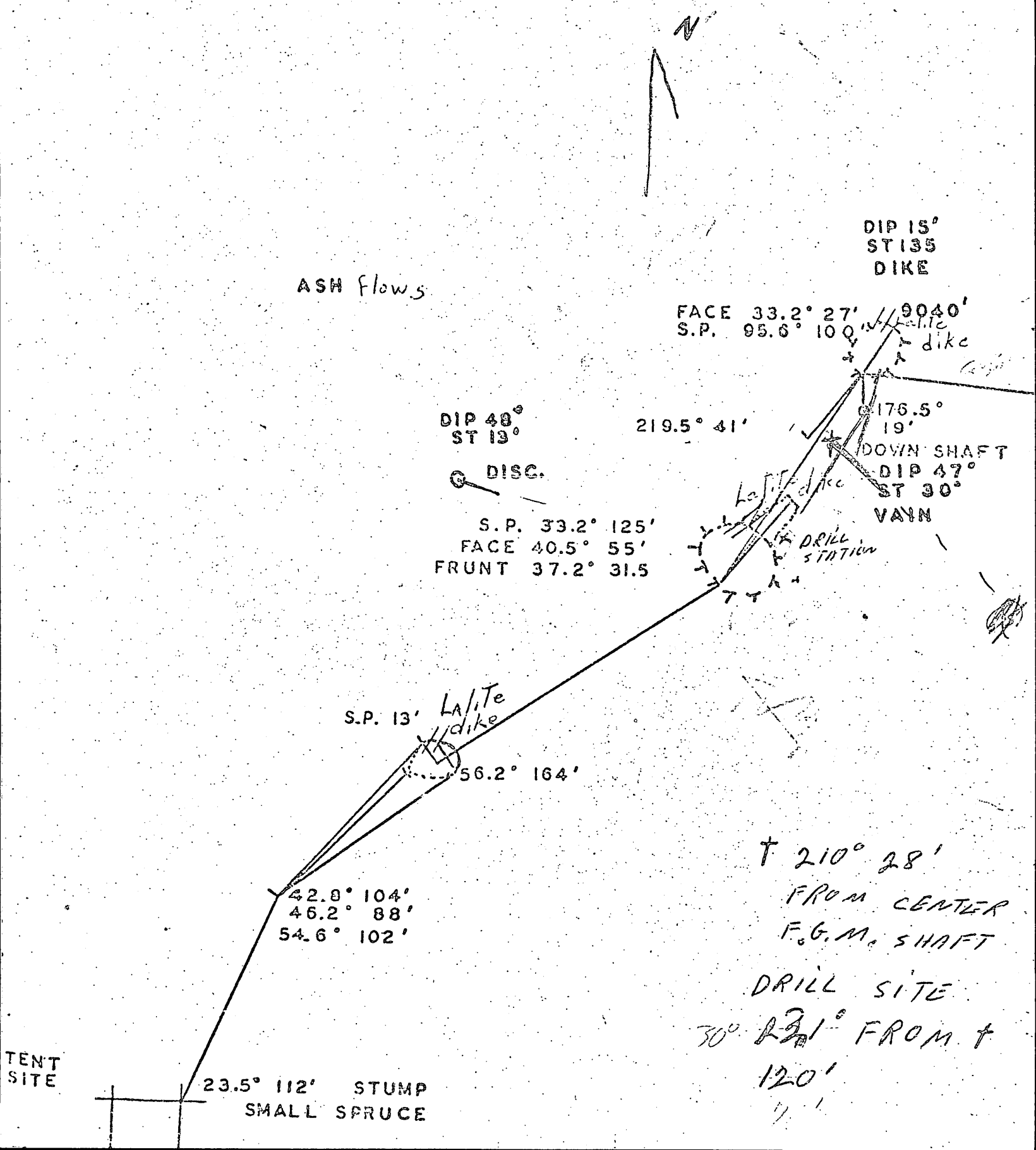

10254
X
31
0096
0076
10000
Drill station
New road (the Heavy 2) from cabin to Drill site.
cabin
8800
old road comes to cabin

5-A

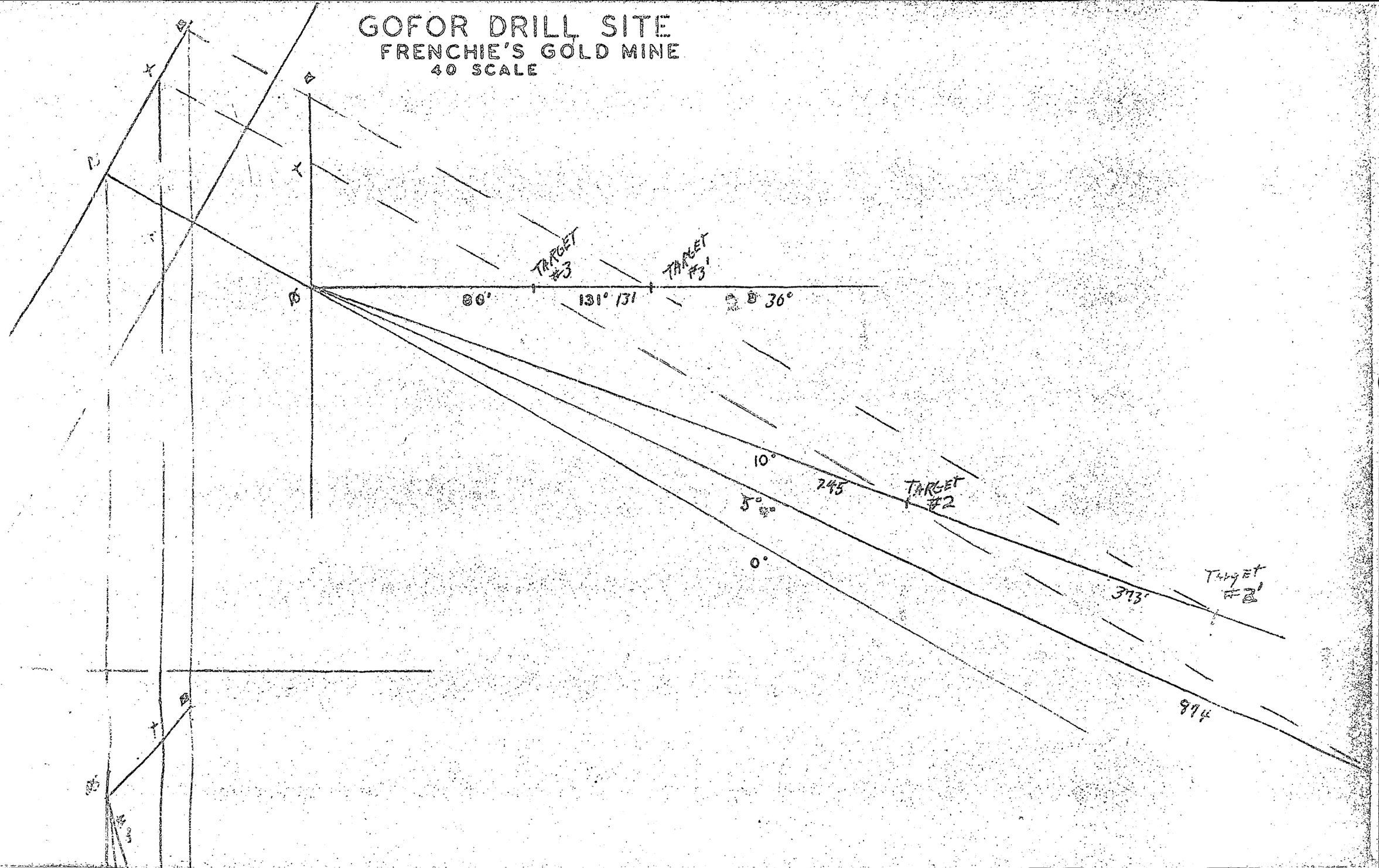
GO FOR CLAIMS

60 SCALE

Drill Station #1



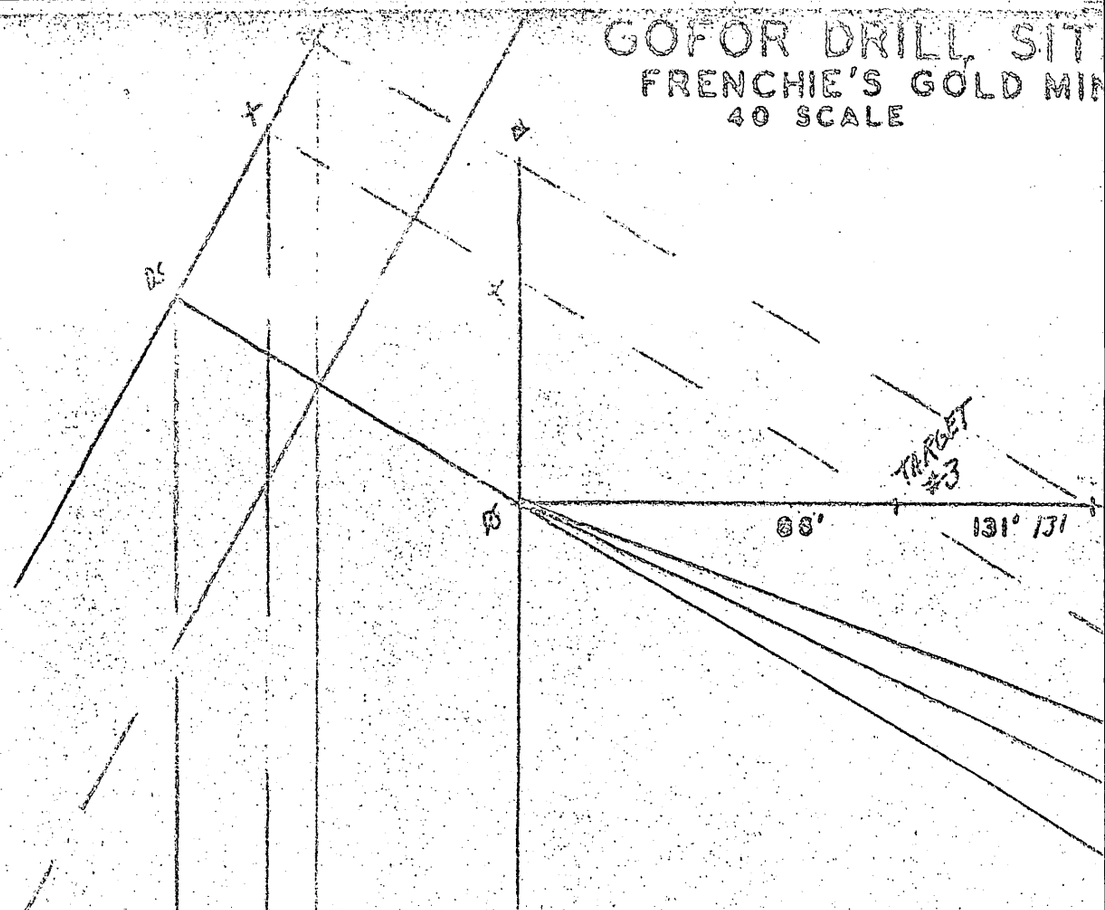
GOFOR DRILL SITE
FRENCHIE'S GOLD MINE
40 SCALE

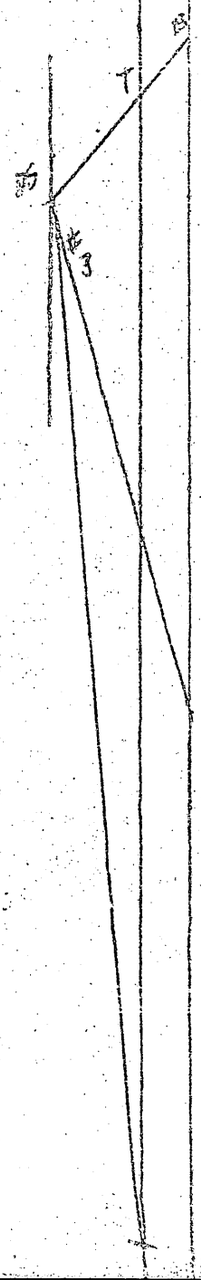


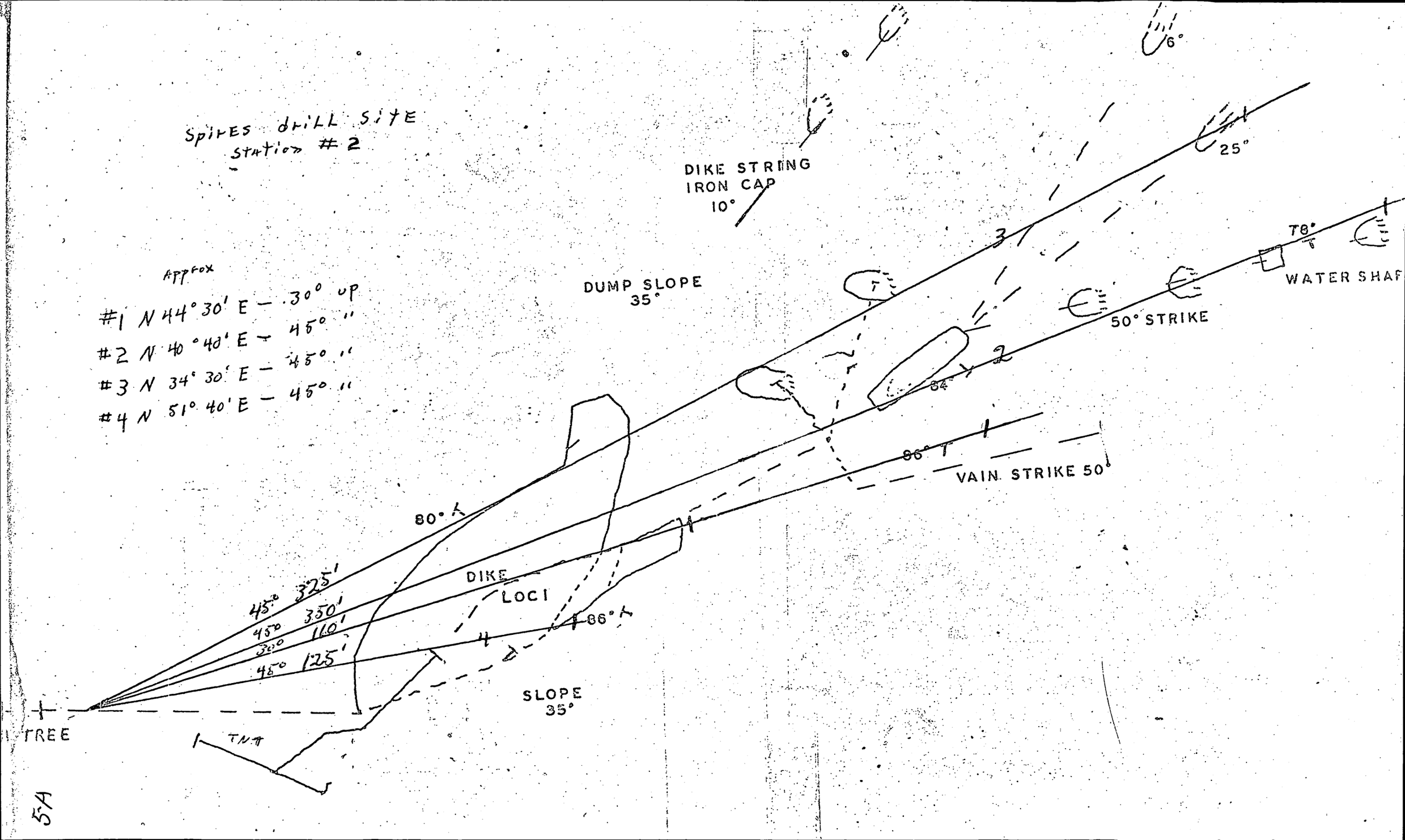
5-A

5-A

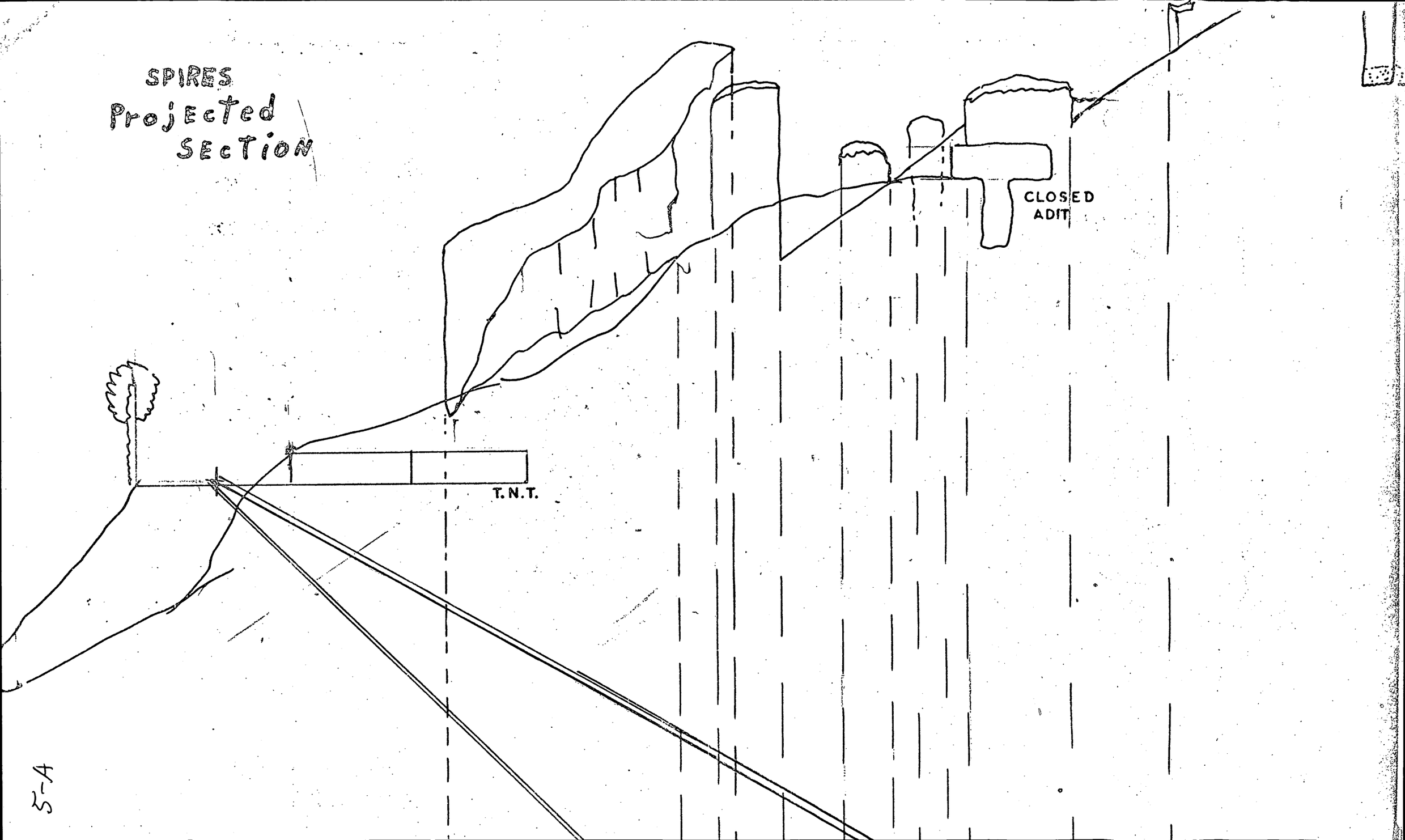
GOFOR DRILL SIT
FRENCHIE'S GOLD MIN
40 SCALE






Spires drill site
station #2
Approx
#1 N 44° 30' E — 30° up
#2 N 40° 40' E — 45° "
#3 N 34° 30' E — 45° "
#4 N 51° 40' E — 45° "
DIKE STRING
IRON CAP
10°
6°
25°
DUMP SLOPE
35°
T8°
WATER SHAF
50° STRIKE
84°
86°
VAIN STRIKE 50
80°
45° 325'
45° 350'
45° 110'
45° 125'
DIKE
LOCI
86°
SLOPE
35°
TREE
TNT

5A



5-4

Standard Form No. 65
November 1961
General Services Administration
FPMR (41 CFR) 101-11.6

U.S. Government Messenger Envelope

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MRS. MOSHER ROOM 6514	STOP		STOP
[illegible]	STOP		STOP
S. L. WINDES	STOP		STOP
~~Director Bureau of Mines~~ ~~att [illegible] A. Melville~~ ~~Room 2757~~	STOP	Maps	STOP
	STOP	Stahl - Jonathan OME 6859	STOP
Finance Room 2520	STOP		STOP
~~Mr Elliott~~ ~~Ballston #3 Room 622~~	STOP		STOP
~~[illegible]~~	STOP		STOP
~~[illegible]~~	STOP		STOP
OME ~~[illegible]~~ ~~Room 4450 [illegible]~~	STOP		STOP

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65-107

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

October 6, 1972

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6859 (Gold, Silver)
Jonathan Roy Stahl
Gofor and Spires Mines
Socorro County, New Mexico

The Applicant has not replied to our letter of July 27, 1972.

Accordingly, the subject docket is referred to the inactive file and the application considered as having been withdrawn.

Harold Kirkemo

Harold Kirkemo

cc: Director's reading file
Mineral Resources
OME reading file
Region III
Mr. Kirkemo
130

CCurtin/cac 10-6-72

OME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

JUL 27 1972

Airmail

Mr. Jonathan Roy Stahl
P. O. Box 223
Socorro, New Mexico 87801

Re: OME-6859 (Gold, Silver)
Jonathan Roy Stahl
Gofor and Spires Mines
Socorro County, New Mexico

Dear Mr. Stahl:

On February 29, 1972, we requested additional information which is necessary to complete your application, but to date we have not heard from you.

Please let us know if you need additional time to prepare this information. If we do not hear from you within 30 days of the date of this letter, we must assume that you are no longer interested in proceeding with your application, and we shall consider it as having been withdrawn.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's reading file
Mineral Resources
OME reading file
Region III
Mr. Kirkemo

HKirkemo/cac 7/27/72

E Form 7
2/63)

OFFICIAL FILE COPY

Date	Surname	Code
2/29/72		120
		220
		120M

February 29, 1972

AIRMAIL

Mr. Jonathan Roy Stahl
P. O. Box 223
Socorro, New Mexico 87801

Re: OME-6859 (Gold-Silver)
Jonathan Roy Stahl
Gofor and Spires Mines
Socorro County, New Mexico

Dear Mr. Stahl:

This is in reply to your letter of December 17, 1971, which we received on February 14, 1972.

With respect to financing your share of the cost of the proposed exploration work, the suggestions you mentioned for raising money are not adequate assurance that funds would be available in the event of a contract. It is evident from the financial statements that readily available cash is not on hand in sufficient amount to meet your share of the costs. Real estate, including mining claims, which does not yield an income, would not help support your project. We mentioned to you in our letter of November 16, 1971, the allowance which can be made for use of operator-owned equipment on a project. If you enter into an agreement with another party for additional funds, please furnish us with a copy of the agreement.

The claim map submitted with your letter does not identify the Gofor Tunnel Site claims or the Size 10 claims listed in the Lien and Subordination Agreements signed by Mary K. and James C. Tebbetts. The ten claims outlined in red are indicated as the Go-For Tunnel Site claims, but the single claim on which exploration is proposed is not identified. Please add to the two copies of the claim map which we are returning to you the scale, a north arrow, the location and number of each of the Size 10 claims, and numbers of each of the Go-For Tunnel Site claims. Also identify the short red diagonal lines on the map and the X's within the blue circles.

On the map of the Go-For Tunnel Site (number ?) show the scale and north arrow, identify the red dash lines and indicate the bearing or trace of the drill holes from proposed drill site no. 1.

Please furnish the recording data (book and page numbers, where recorded, and date) for all of the claims. You have furnished the book and page numbers for the Go-For Tunnel Site claims as a group but not for the individual claims.

The assay report accompanying your letters to the banks did not include the location or width of each sample or the date of the report. Please add this information to the enclosed copies of the report and return them to us. Descriptions of the sample material would be appreciated.

Further questions about estimated costs, plan of work, and size of contract will be deferred pending receipt of the information requested above. We previously mentioned the budget constraints on our program but will defer consideration of a smaller project until we have assurance that you could provide your share of the costs in the event of a contract.

Submittal of this information should not be construed as a commitment by the Government that a contract will be offered.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region III
Mr. Kirkemo

HKirkemo/gla 2-29-72

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/20/72		120
		220
1/20	Cae	120M

JAN 20 1972

AIRMAIL

Mr. Jonathan Roy Stahl
P. O. Box 223
Socorro, New Mexico 87801

Re: OME-6859 (Gold-Silver)
Jonathan Roy Stahl
Gofor and Spires Mines
Socorro County, New Mexico

Dear Mr. Stahl:

We wrote you on November 16, 1971, requesting information necessary to complete your application for financial assistance to explore the Gofor and Spires mines. To date we have not received this information. If you need additional time to prepare this, please so advise. In the event you are considering withdrawing the application, we would appreciate being informed.

If we do not hear from you within thirty days from the date of this letter, we will consider your application as withdrawn .

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME Docket
OME Region III
Mr. Kirkemo
OME Reading File

HKirkemo/gla 1-20-72

Form 7
53)

OFFICIAL FILE COPY

Date	Surname	Code

NOV 16 1971

AIRMAIL

Mr. Jonathan Roy Stahl
P. O. Box 223
Socorro, New Mexico 87801

Re: OME-6859 (Gold-Silver)
Jonathan Roy Stahl
Gofor and Spires Mines
Socorro County, New Mexico

Dear Mr. Stahl:

This is in response to your application for financial assistance to explore the Gofor and Spires mines. Additional information is requested regarding financial arrangements to meet your share of the estimated costs and regarding your rights in the land. Further review of the application will be deferred pending receipt of satisfactory answers to these questions.

In your letter of August 17, 1971, accompanying the application and in material furnished for Item 1, Financial Eligibility, of the application you propose to furnish your share of the cost by use of equipment owned by you. Also you mention offering as security 68 acres of land estimated at $1,000 per acre, and that you would furnish cash for incidental expenses not allowed for in the contract. Our experience has been that depreciation on operator-owned equipment will not normally cover an operator's share of the costs. Under an OME contract, depreciation on an operator's equipment is an allowable cost to the extent of 1/60th of the fair market value or the book value, whichever is less, for each month actually used on the project. As your share of the costs of the proposed project could be close to $18,500, we need assurance that you have sufficient cash available in addition to the allowance for depreciation to meet your share of the contract costs.

In the event of an OME contract, funds are not advanced to an operator but are provided through the payment of the Government's share of allowable costs incurred each month as work proceeds under terms of a contract.

You mention also that road construction costing about $7,000 to be completed prior to the proposed exploration work and other work totalling $4,860 would be borne solely by you. Total cash needs would be between $20,000 and $30,000. As evidence of the availability of sufficient cash to meet your share of a contract, we would appreciate receiving your current financial statement. Also please furnish true copies of your letters to the banks as required under Item 1(a) of your application. These were not previously furnished.

The Government does not act on behalf of an applicant in any discussion regarding requests for loans from commercial sources.

We note that your rights in the property are held by a lease dated May 15, 1971, between Mary K. Tebbetts, lessor, and Jon Stahl, lessee. The lessee agreed to keep the property free of liens and encumbrances. In lieu of a Lien and Subordination Agreements signed by the owner of the property, would you be able to furnish a Performance Bond in the amount (estimated $45,500) of the Government's share in the event of a contract?

Please submit two copies of a map showing the boundaries of claims included in the lease. Show on this or other maps the relationship of the proposed work to the claim boundaries.

Budget constraints in fiscal year 1972 restrict the OME program to the point that only modest assistance can be offered to a very few of the more promising proposals. Available funds are not sufficient to support a program requiring an amount as large as you have requested. Under this situation and considering the present level of OME funds, we could not consider at this time a contract large enough to support your proposal. Perhaps you could propose a less extensive program than the one originally submitted.

Submittal of information necessary to complete your application should not be construed as a commitment by the Government that a contract will be granted.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME Docket
OME Reading File
Mr. Kirkemo
OME Region III

HKirkemo/gla 11-16-71

October 7, 1971

Mr. Jonathan Roy Stahl
P. O. Box 223
Socorro, New Mexico 87801

Subject: OME-6859

Dear Mr. Stahl:

Your application for exploration assistance, dated August 17, 1971, submitted to our office at Denver, Colorado, has been assigned Docket No. OME-6859.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to Region III