CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the Anderson Mine Collection

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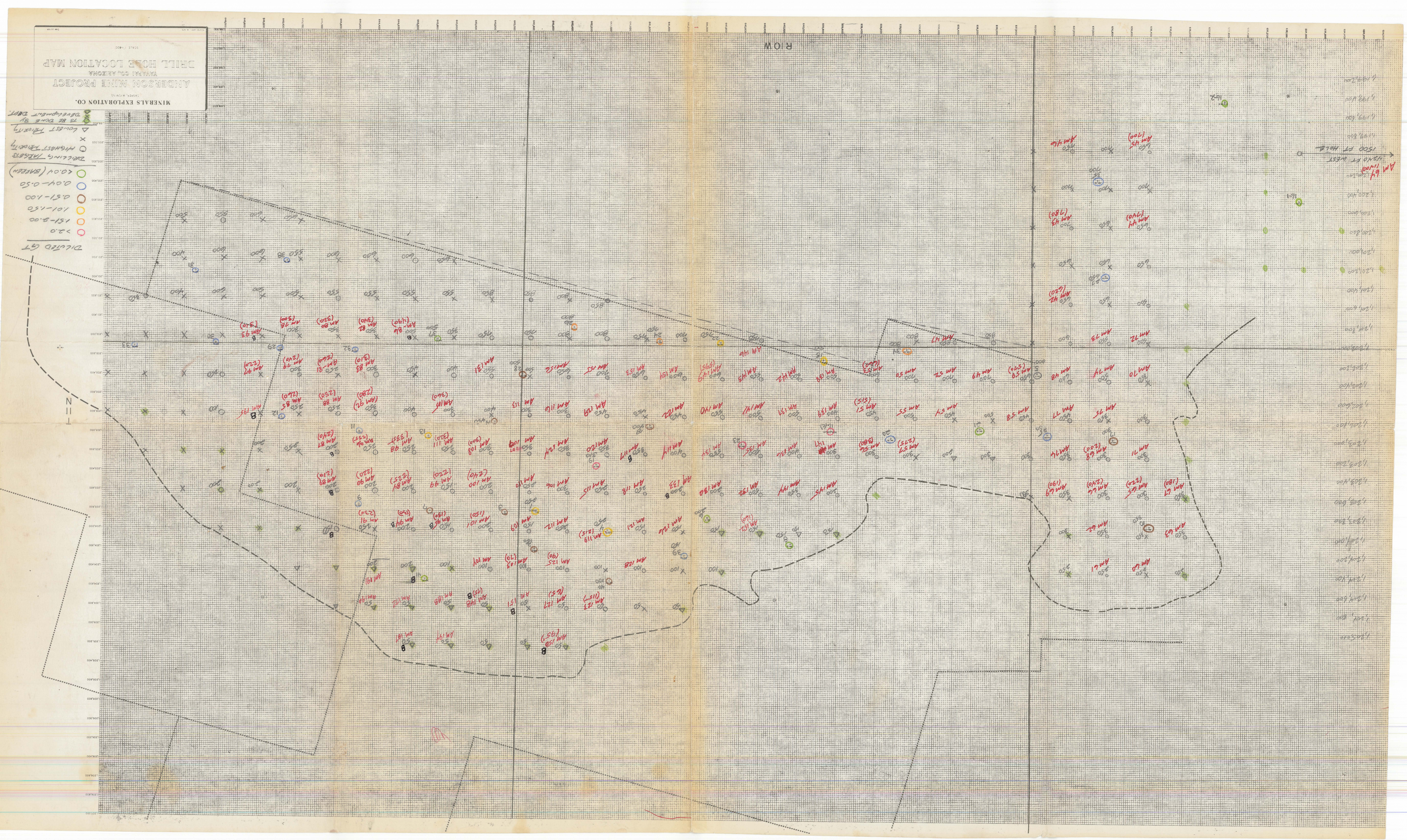

MINERALS EXPLORATION CO.
ANDERSON MINE PROJECT
YAVAPAI CO., ARIZONA
DRILL HOLE LOCATION MAP
SCALE 1"=400'
DILUTED GT
>2.0
1.51-2.00
1.01-1.50
0.51-1.00
0.04-0.50
<0.04 (BARREN)
DRILLING TARGETS
HIGHEST PRIORITY
LOWEST PRIORITY
TO BE DONE BY DEVELOPMENT DEPT.
N
RIOW
1500 FT HOLE
AM 64 (1400)
1240 FT WEST

Authority for Expenditure
Union Oil Company of California

STEVE
A.F.E. No. 115719

union 76

DEPARTMENT NO.	DEPARTMENT	LOCATION	DATE
	Minerals Exploration Co.	Casper, Wyoming	June 12, 1975

PURPOSE
[ ] PROGRAMMED EXPANSION, COST REDUCTION, AND OPTIONAL REPLACEMENTS AND ADDITIONS SUBJECT TO MINIMUM RETURN ON INVESTMENT.
[X] NECESSARY REPLACEMENTS, AND "OTHER" EXPENDITURES NOT SUBJECT TO RETURN ON INVESTMENT.

BUDGETED [ ] YES [X] NO

RETURN ON INVESTMENT	REQUIRED	THIS PROPOSAL	CALCULATED BY	AMOUNT REQUESTED (TOTAL COST)
	%	%		$ 583,000

EXPENDITURE DESCRIPTION

Funds are requested to continue exploration in the Anderson Mine area, Yavapai County, Arizona. At the present time the area of main interest is drilled on an 800 ft. grid. It is proposed to take a bulk sample from mineralized outcrop for mill amenability testing. It is further proposed to drill the area of best mineralization on a 400 ft. grid. This will entail the drilling of approximately 95 holes to an average depth of 450 feet. The cost of this project is as follows:

? water well
10,000 dozer

EXPLORATION

1. Obtain bulk sample from outcrop w/bulldozer	$ 1,000	
2. Shipping, assaying, etc. (cores & bulk sample)	9,000	
3. Mill Amenability Studies (dozer)	10,000	
4. Drill 95 holes to an average depth of 450' (50,000')	~~192,375~~	
5. Drill and core 15 holes 1200' × 65¢/hr / 2 ft/hr	47,625	~~39,000~~
6. Surveying	10,000	
TOTAL EXPLORATION	$270,000	~~293,000~~

PAYMENTS FOR LAND

1. Payment to purchase claims in Anderson Mine area	
a. December 31, 1975 payment	$130,000
b. January 15, 1976 payment	150,000
2. Extend option period on Section 16 to February 3, 1976	8,000
3. Acquisition of Jacsar claims (23)	24,000
4. Title Review	1,000
TOTAL EXPLORATION AND LAND ACQUISITION	$583,000

RIBUTION:
. Acctg.
1. Office
ect File
. Eakland
. Garza
File

CHARGE [ ] EXPENSE [X] CAPITAL

COST CENTER GRP.	COST CENTER NUMBER	ACCOUNT G/L	ACCOUNT DETAIL	ACCOUNT SUB-DETAIL	CAP. BUDG. CATG.	AUTHORITY	ADDITIONAL INFORMATION
17	125 005	339					

ESTIMATE BY	A.F.E. MADE BY	CHECKED BY
GEM	WCG	WHG HMR

APPROVED
APPROVED
APPROVED
APPROVED
SENIOR VICE PRESIDENT

Material Transferred	$
Cash Outlay	$ 583,000
Contingencies ___%	
TOTAL COST	583,000
Salvage (Pres. Value)	( )
Chargeable to Others ___%	( ) ( )
NET COST	$ 583,000

COMPTROLLER OR DIVISION COMPTROLLER

EXECUTIVE COMMITTEE – (SECRETARY OR ASS'T SECRETARY | DATE APPROVED
10/1/75

FORM 1-2H04 (NEW 7-74) PRINTED IN U.S.A.

MINERALS EXPLORATION COMPANY
P. O. BOX 7600
LOS ANGELES, CALIFORNIA

BID SHEET AND DRILLING ORDER

Gentlemen:

In accordance with the provisions of that certain Master Drilling Contract dated October 22, 1975, heretofore executed by you bearing Operator's No. 75-16, and the further provisions hereof, we solicit your bid for drilling and other exploratory operations hereinafter set forth.

This Bid Sheet and Drilling Order has been filled in by us to the extent necessary to permit you to determine the nature and extent of the drilling and/or other exploration work to be performed and to so formulate your bid. If you desire to submit a bid, it will be necessary that you complete this bid sheet. All blanks must be filled in with appropriate information (your attention especially being directed to paragraphs 4 and 5). The completed bid must be properly executed by you and submitted in duplicate originals to our office at Pronghorn Dr.,P.O. Box 2674, Casper,Wy. 82602, no later than 5:00 pm, November 3, 1975. If your bid is accepted by us, we will return one executed original to you.

In the performance of work under the terms of this drilling order Contractor will use products of Union Oil Company of California where such products are available at competitive prices.

If your bid as submitted is accepted by us, this instrument becomes the Drilling Order and it, together with the Master Drilling Contract identified above, shall constitute the complete agreement between us covering the work described in this Drilling Order.

Yours very truly,

John R. Ljung

John R. Ljung

1. COMMENCEMENT DATE:

Contractor agrees to commence actual operations on or before 11:00 AM, November 17, 1975, at the locations described below, or in the event Operator is to provide roadways or other means of physical access, or is to provide legal right of ingress and egress, Contractor agrees to commence such operations within -1- days after such physical access or right of ingress and egress is provided by Operator.

2. LOCATION:

In and around Township 11 North, Range 10 West

County Yavapai County State Arizona

Contractor warrants and represents that it is familiar with the area in which the work hereunder is to be performed and has examined same prior to executing this Bid and Drilling Order.

3. DRILLING AND/OR OTHER EXPLORATORY OPERATIONS:

a. Drilling (or deepening)
(1) No. of Holes 125 (2) Maximum Depth 1000'*
(3) Average Depth 400' (4) Permitted Deviation of hole from vertical (5) Diameter of Hole approx. 5"
(6) Operator shall note the location of each hole on a plat to be timely furnished to Contractor. (7) Operator's representative shall specify the exact depth of each hole in sufficient time so as not to interfere with operations of Contractor.

FURTHER SPECIFICATIONS:

* Anticipate 2-5 holes to 1500'.

Portable pits will be required. Dug pits will be used on holes deeper than 400 feet. Operator will furnish dug pits.

Contractor will keep each hole drilled hereunder open for probing by Operator for at least three (3) consecutive hours after the drilling rig is moved from the hole. If the hole does not remain open for probing for three (3) consecutive hours, the hole will be cleaned out by Contractor at no cost to Operator. If Contractor should encounter adverse ground conditions which might prevent the hole from remaining open, Contractor shall immediately contact Operator's Geologist who shall determine the method to be used to probe the hole.

(SEE PARAGRAPH # 9)

b. Coring:
(1) Type Diamond (2) Length 10'-20' (3) Diameter 3"
(4) Intervals vary from 20'-150'
(5) Core Samples, Cuttings to be saved by Operator:

All cores

Cuttings from 5' intervals on air and mud holes. Cuttings from mud drilling must be retained in other than holes dug in ground, i.e. plastic buckets.

(6) Coring/Cutting tools to be used by Operator:

(7) Containers and Marking of Cores/Cuttings or Samples

a) Type of Containers: Core boxes

Marking of core is Contractor's responsibility.

b) Containers will be supplied by Operator.

c) All cores, cuttings, sludge and samples will be delivered by Contractor to Operator's representative.

d) Casing Program:

Size: - Type: - Weight: -

Conditions under which Casing must be set:

e) Drilling Fluid:

Types: Air, natural mud when necessary

Mud or Mud Conditions: Additive must be used when necessary to obtain clean samples

Specifications:

f) Logging:
(1) Type by Operator
(2) Interval entire hole

g) Other Exploratory Operations
Rig to be set up as close to surveyors stake as possible if not exactly on target.

4. LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES:

a. Labor, equipment, materials, supplies and services to be furnished by Contractor in accordance with Paragraph 2 of the Master Drilling Contract:

No. 3 or more (make of rig) capable of drilling to a maximum depth of 1500 feet completely equipped with appropriate drill pipe, drill collars, water truck and other equipment necessary to complete drilling program in good and workmanlike manner.

Services listed be apply to both daywork, coring id footage rates except as noted:

b. Additional material, equipment, special tools, supplies and services to be furnished by:

CONTRACTOR	OPERATOR
Surface Casing supplied by	Surface Casing paid for by
x Steel slush pits	Steel slush pits
x Water	x Water supplied by
Cost	x Cost
x Storage	Storage
x Transporation	Transportation
x Pumps	Pumps
x Bits	Bits
x Reamers	Reamers
x Mud or mud conditioners	Mud or mud conditioners
First $50.00 for each hole	x a. Day Work basis
	x b. In excess of $ 50.00 per hole
x Lost circulation material	x Lost circulation material
(First $10.00 of materials per hole)	(Excess over $10.00 per hole)
x Mudpits, portable.	x Drill hole plugs
x Line and deflector for air samples	Mudpits, dug.
x ~~Containers for wet samples~~	x Containers for wet samples

c. Roads and drill sites to be prepared and maintained by Operator

d. Moving time will be at Contractor's expense, for the first ½ hour thereafter, movetime to be charged at hourly drill rate.

5. COMPENSATION TO BE PAID CONTRACTOR:

a. Mobilization:
Mobilization charge from Casper, Wyoming to the drilling area: $ 750.00 (per rig)

b. Footage Rates:
(1) For all drilling performed with compressed air:
a) From surface to and including 500 feet in depth, at the rate of 3.50 per lineal foot.

b) From 500 feet to and including 1000 feet in depth, at the rate of 4.50 per lineal foot.
(2) For all drilling performed with water or other drilling fluid:
a) From surface to and including 500 feet in depth, at the rate of 3.50 per lineal foot.
b) From 500 feet to and including 1000 feet in depth, at the rate of 4.50 per lineal foot.

(3) Drilling below 1000 feet will be paid on a day work basis.

Depth measurement used to determine compensation due Contractor

under subparagraphs (1) and (2) above shall be calculated on the basis of drilled footage recorded in the driller's log, provided, however, that Operator may probe the hole to determine footage drilled within three (3) hours after completion of the hole, in which event, the Operator's footage calculation shall control. A Contractor's daily drill report summarizing days activities (i.e. footage, bits etc.) is to be signed by and retained by Operator-Geologist daily.

c. Day Work Rates:

For all work performed with a full crew (3 men) on a day work basis, as defined in the Master Drilling Contract, Contractor shall be paid for each hour worked on the following basis:

	Day Work with drill pipe	$ 75.00 per hour
N/A	~~Day Work without drill pipe~~	~~per hour~~
	Standby with crew	65.00 per hour
	For each man less than a full crew, the sum of shall be deducted from the Day Work rate paid Contractor.	per hour
	Standby without crew	per hour

d. Coring Rates:

(1) Coring with Core Barrel will be compensated at rate of $ 75.00 per ~~hour~~ hour.

(2) Side-wall sampling will be compensated at rate of $ 75.00 per hour (or) Day Work Rates.

e. Lost Circulation:

If loss of circulation occurs while normal drilling operations are in progress on a footage rate basis, Contractor shall notify Operator of such loss and shall use all reasonable means to restore the same, without compensation for the first ~~four~~ ONE hours of lost circulation of each hole. If Operator concurs that such condition exists, operations by Contractor to restore circulation after said first ~~four~~ ONE hours of lost circulation shall be compensated on a day work basis until normal circulation is restored. If additional lost circulation is encountered in the same hole after the first loss is encountered, restoration of normal circulation will be compensated on a day work basis.

f. Waiting on Orders:

When Contractor's rig is shut down awaiting Operator's orders (under paragraph 3.5 of Master Drilling Contract) Contractor shall be paid at Standby rates with or without crew as applicable.

g. Casing and Cementing:

Contractor will be reimbursed in accordance with paragraph 7.2 of Master Drilling Contract at:

Footage rates: 75.00 per hour
Day Work rates: 75.00 per hour

h. Repairs:

If it becomes necessary to shut down Contractor's rig for repairs while Contractor is performing work on a day-work basis, Contractor shall be allowed compensation for such repairs at the appropriate

day-work rate commensurate with the stage of operations then in effect; i.e. with drill pipe or without drill pipe. The number of hours for which Contractor is to be compensated shall be limited as follows:

For any one job:	4 hours
Total hours per month:	12 hours

i. Interruption:
In the event that Contractor is interrupted in the performance of the work solely as a result of act or omission of Operator, causing Contractor's drilling rigs to be idle at the site of the work, the period of time during which such interruption occurs shall be charged as standby time with crew during the period each drilling rig is so idle. On the next working day following the last day during which any such standby time occurred, Contractor shall advise Operator's Geologist in writing of the duration in hours of such stand-by time. Contractor shall make no claim for, and Operator shall not be obligated to make payment for, stand-by time: (1) which has not been approved in writing by Operator's Geologist (which approval shall not be unreasonably withheld); or (2) which occurs between the end of any work day and the beginning of the next succeeding work day; or (3) which occurs during any period when drilling has not been required by Operator under this agreement; or (4) which occurs during any period in which Contractor is prevented from drilling or is prevented from making depth measurements or conducting other operations hereunder by reason of any force majeure contingency.

j. EXTRA WORK:
Contractor shall not be entitled to any compensation for extra work unless orders therefor are given in writing duly executed by Operator and the amount of compensation for such extra work is specified in such written orders.

6. SURFACE OWNERS:

The rights of surface owners must be respected. Gates will be left in the same position (open or closed) as found. Livestock, insofar as possible, will not be harmed or disturbed. Fences will not be cut without permission, and if cut must be properly braced prior to cutting. Damage to fences will be repaired. Drill sites will be restored to as near their original condition as practicable. Mud pits will be filled and drill holes plugged. Vehicles will stay on established roads or trails as much as possible to avoid unnecessary damage to the surface. Trash, broken equipment, mud, etc., will be removed from the premises. Open fires are prohibited. Hunting or fishing on premises by Contractor's personnel is prohibited. Water holes and streams will not be blocked, damaged or polluted. Breach of any of these conditions by Contractor, its employees, agents or sub-contractors will be ground for cancellation of this Drilling Order and the Master Drilling Contract at Operator's election.

7. BONDS:
Required_____ Not Required X
Bond fee will be charged to Operator.

8. NOTICES:
Notices required under the terms of this Bid and Drilling Order or the Master Drilling Contract shall be sent to the respective addresses of the parties below:

Contractor:

Casper Drilling, Inc.

P. O. Box ~~2703~~ 2751

Casper, Wy. 82602

Attention: F.G. Reid
Telephone: 265-2307

Operator:

Minerals Exploration Company

Pronghorn Dr., P. O. Box 2674

Casper, Wyoming 82602

Attention: J. R. Ljung
Telephone: (307) 234-7331

9. SPECIAL PROVISIONS: a. Contractor will guarantee hole to remain open for logging for a period of one hour. If hole does not remain open, Contractor will return and wash out hole one time at no cost to Operator. Additional washing of hole will be charged at hourly drill rate.

b. Should cavities or loose or caving material be encountered of such abnormal nature as to prevent successful completion of a hole, Contractor does not guarantee to drill to any certain depth, but shall drill as deep as practicable, under the conditions, and shall be paid for such hole at the rates herein specified for all footage completed.

IN WITNESS WHEREOF, this instrument is executed this the

3rd day of November, 19 75.

CONTRACTOR:

CASPER DRILLING, INC.

By [signature]
President (Title)

Pavlak

RECEIVED 10 NOV 1975
JRL:

RAUL H. CASTRO
GOVERNOR

Arizona
State Land Department
1624 WEST ADAMS
PHOENIX, ARIZONA 85007
602 - 271-4634

OFFICE OF
STATE LAND COMMISSIONER

November 3, 1975

Minerals Exploration Co.
P.O. Box 2674
Pronghorn Drive
Casper, Wyoming 82602

Dear Sir:

File No. B(11-10)11 ccc
35-34362

This copy of Notice of Intention to Drill Well in Twp. 11N , Rge. 10W ,

Section 11 , SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, is returned to you for your file. Also

enclosed are:

X WELL DRILLING CARD, which should be in the hands of the driller before construction of the well is started;

X REPORT OF WELL DRILLER form, which may be filled in by the driller but which you should make sure is mailed to us after completion of the well;

X REPORT OF EQUIPMENT INSTALLED form, which shall be filled in by you and sent to us after the installation of the pumping equipment;

____ DIAGRAMS of recommended cement grout seal and pump installation, supplied by the Department of Health.

In the event it is necessary to change the location of the proposed well, you should obtain the written permission of the State Land Commissioner before proceeding with the drilling.

Very truly yours,

Andrew L. Bettwy
State Land Commissioner

By: Kelly R. Johnson
Wm. Joe Melling, Director
Water Rights Division

dfe

WATER DIVISION

STATE LAND DEPARTMENT

STATE OF ARIZONA

NOTICE

If the proposed well or place of proposed use of water described on the attached Notice of Intention to Drill Well is on land owned by the State of Arizona, the issuance of the accompanying Well Drilling Card by the Department constitutes neither approval by the State Land Department of the construction of the proposed well as an improvement on State of Arizona lands nor permission to make use of those lands in any manner other than that prescribed by the terms of the lease under which the land is presently held.

The State Land Department will consider the giving of such approval and the granting of such permission upon its receipt of the proper and pertinent applications prescribed by its rules and regulations and the laws of the State of Arizona.

ARIZONA STATE LAND DEPARTMENT

77-73

62-73

NOTICE OF INTENTION TO DRILL WELL

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

By Law, no person shall drill, or cause to be drilled, any well for the development and use of Ground Water in Arizona without first filing Notice of Intention to Drill with the State Land Department. The only exceptions are for those irrigation wells within critical Ground Water areas for which Drilling Permits are required. No well shall be drilled by other than the owner without the driller being licensed with the Registrar of Contractors. The driller's license number must be included before the State Land Department will process the filing.

FILING FEE $3.00

LOCATION OF WELL

North

NW¼	NE¼	
SW¼	SE¼	

West — East

South

Indicate Well Location by X
(Above diagram represents one 640 acre section)

1. Twp. 11 N
2. Rge. 10 W
3. Section 11
4. SW ¼ SW ¼ SW ¼
   10-acre subdivision
5. Owner of Well Site Mineral Claim held by Minerals Exploration Co.

INSTRUCTIONS

Fill out both copies and mail to Water Division, State Land Department, 1624 W. Adams, Phoenix, Arizona, 85007.

Duplicate will be returned to Filer, together with Drilling Card.

DESCRIPTION OF WELL

6. Diameter 7" in. depth 200 ft.
7. Type of casing P.V.C.
8. Estimated depth to water 150 ft.
9. Proposed use drilling fluid for uranium exploration.
10. Drilling will start about November (Month) 1975 (Year)
11. Driller Mr. J. Williams
    Jim Williams (Name) Well Drilling
    P. O. Box 102, Skull Valley, Az. 86338 (Address)
    Driller's License No. 28997
12. Water will be applied to use about November (Month) 1975 (Year)
20. This notice filed by:
    Check one { Owner ☐ / Lessee ☒ / Driller ☐ }
    Name Minerals Exploration Co.
    Address P. O. Box 2674
    Pronghorn Dr.
    Casper, Wy. 82602

PLACE OF USE

13. Twp. 11 N
14. Rge. 10 W
15. Sections 9-12; 13-16
16. Mineral Claims
    Legal Description of Land to be Irrigated or place of other use.
17. Acres (if irrigation) -
    Mineral Claims held by
18. Owner Minerals Exploration Co. (Name)
19. P. O. Box 2674, Casper, Wy 82602 (Address)

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 10-23-75 By fmr
Filed 11-3-75 By dfe
Duplicate Mailed 11-3-75 By dfe
File Number B(11-10) 11 ccc

This card to be posted on or nearby the well rig during drilling operations.

State of Arizona

EXEMPTED WELL

NOTICE OF INTENTION TO DRILL AN EXEMPTED WELL HAS BEEN FILED WITH THE STATE LAND COMMISSIONER BY

Minerals Exploration Co., P.O. Box 2674, Pronghorn Dr., Casper, Wyoming 82602

FOR PURPOSES OTHER THAN IRRIGATION OF AGRICULTURAL LAND. WELL TO BE LOCATED IN

TWP. 11N RGE. 10W SEC. 11 SW 1/4 SW 1/4 SW 1/4

S E A L

STATE LAND COMMISSIONER

BY: Kelly R. Johnson

Director, Water Rights Division

WD FORM G-308

Expires 11-3-76

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Minerals Exploration Co.
Name
Address

2. Lessee or Operator
Name
Address

3. DRILLER
Name
Address

4. Location of well: Twp. 11N Rge. 10W Section 11 SW ¼ SW ¼ SW ¼
10-acre sudivision

5. Intention to Drill File No. Permit No.

DESCRIPTION OF WELL

6. Total depth of hole ft.

7. Type of casing

8. Diameter and length of casing in. from to, in. from to, in. from to

9. Method of sealing at reduction points

10. Perforated from to, from to, from to, from to

11. Size of cuts Number of cuts per foot

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction
drilled, dug, driven, bored, jetted, etc.

14. Date started
Month Day Year

15. Date completed
Month Day Year

16. Depth of water ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received by
Filed by
File No. B(11-10)11 ccc
35-34362

(Well Log to Appear on Reverse Side)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller.....
Name

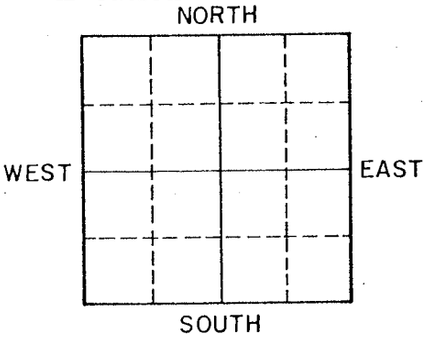
.....
Address

Date.....

2-73

STATE LAND DEPARTMENT
Water Division
Phoenix, Arizona 85007

Location of Well



(Indicate Well Location by a circle drawn in the above Section Plat)

File No. B(11-10)11 ccc

REPORT OF EQUIPMENT INSTALLED

OWNER Minerals Exploration Co.

LOCATION OF WELL:

SW ¼ SW ¼ SW ¼, Sec. 11 Twp. 11N Rge. 10W

Date Well Completed: _____ Depth _____

1. Well Test:

Discharge: _____ (Gal. Per Min.) Date Well Tested: _____

Method of Discharge Measurement: _____ (weir, orifice, current meter, etc.)

Static Water Level _____ ft. Drawdown _____ ft.

Total Pumping Lift _____ ft.

2. Equipment Installed:

Kind of Pump: _____ (turbine, centrifugal, etc.)

Kind of Power: _____ (Elec., Nat. Gas, Etc.) H. P. Rating of Motor _____

I HEREBY CERTIFY that all the above statements are true to the best of my knowledge and belief.

_____
Signature

Date _____, 19____.

_____
Address

63-73

Jerry

ASSESSMENT EXPENSE
November, 1975

ARIZONA - WICKENBURG, ANDERSON MINE PROJECT AFE 115719		Amount
Field work & Transfer of costs from AFE 115707		$37,897
Contract Labor - K. Moore		751
CASPER OFFICE		
Salaries & Expenses	$5,290	
Miscellaneous	2,242	$7,532
Assessment - November, 1975		$46,180
Assessment to Date		$49,598
Claims (Subject to 1976 Assessment)		79

LWW:ct
11/10/75

AFE EXPENDITURE RECAP

Project: Wickenburg-Anaconda Mine

Month: Nov. 1975

AFE No.: 115719

Authorized Amt: $583,000.-

		Account Code	Current Month	Expenditures To Date	Unexpended AFE Bal.
Nov.	30	1-17-125005-339-115719	37,892.29	38,820.31	544,179.69

DATE APPROVED 10-1-75

COST ACCOUNTING SHEET

AMOUNT AUTHORIZED $583,000.

DATE COMPLETED

AFE NO. 115719

1-17-125005-339-115719

PROJECT Wickenburg-Anderson Mine Proj.

DATE	TRANSFER NUMBER	INVOICE NUMBER	COMPANY	DISCRIPTION OF MATERIAL OR SERVICE	CASH OUTLAY AMOUNT	CURRENT MONTH AMOUNT	CUMULATIVE AMOUNT
Oct			Hazen Research Inc.	Amenability Study	923.02	923.02	923.02
Nov.			GARZA Letter to Corp. Acctg - TRSF Cost From AFE 115707 to 115719		25,793.00		
			Verity, Smith, Lacy, Allen et Al.	Title Examination	1981.01		
		17742	Casper Lumber	Stakes	58.90		
			Jim Williams Well Drilling	Drill + Complete water well	3604.18		
		11406	John Jourgensen Paint	Plastic Buckets	51.50		
		8462	Skyline Labs, Inc	Sample Analysis	41.50		
		-	Keith Flynn	Survey Locations + Road R/W	4087.16		
		-	Keith Flynn	CAT work - Sub Contractor - Balkew	2280.00	37,897.29	38,820.31

UNION 76

Sessions 1 & 2 drilling & core

		to 500 @ 3.50	@ 4.50	total				- 500' @ 3.50	@ 4.50	total	
AM-42	620	17 50	5 40	2 290	✓	↘ 69	1 90	6 65		665	✓
AM-43	780	17 50	12 60	3 010	✓	↘ 70	1 40	4 90		490	✓
↘ 44	740	17 50	10 80	2 830	✓	↘ 71	1 30	4 55		455	✓
↘ 45	690	17 50	8 55	2 605	✓	↘ 72	1 95	6 82.50		682.50	✓
↘ 46	880	17 50	17 10	3 460	✓	↘ 73	3 00	10 50		1 050	✓
↘ 47	900	17 50	18 00	3 550	✓	↘ 74	3 80	13 30		1 330	✓
↘ 48	630	17 50	5 85	2 335	✓	↘ 75	3 00	10 50		1 050	✓
↘ 49	680	17 50	8 10	2 560	✓					60 964 ft	
↘ 50	690	17 50	8 55	2 605	✓						
↘ 51	520	17 50	90	1 840	✓						
↘ 52	600	17 50	4 50	2 200	✓						
↘ 53	660	17 50	7 20	2 470	✓						
↘ 54	435	15 22		1 522	✓	CORE	drilled	cored 15°			
↘ 55	510	17 50	45	1 795	✓	13 C	1 00	17½	350	1 312.50	1 662.5
↘ 56	380	13 30		1 330	✓	18 C	2 70	12½	945	937.50	1 882.5
↘ 57	275	9 62		962	✓	17 C	1 00	43 –	350	3 225	3 575
↘ 58	555	17 50	2 47.50	1 997.50	✓						ft 7 120
↘ 59	570	17 50	3 15	2 065	✓						
↘ 60	460	16 10		1 610	✓						
↘ 61	420	14 70		1 470	✓	footage	16,440 ft				
↘ 62	320	11 20		1 120	✓		470				
↘ 63	260	9 10		910	✓		16 910 ft				
↘ 64	1 400	17 50	40 50	5 800	✓						
↘ 65	220	7 70		770	✓						
↘ 66	240	8 40		840	✓						
↘ 67	170	5 95		595							
↘ 68	200	7 00		700	✓						

total	60 964
	7 120
	68,084 ft

rm 87-14 (Rev. 9/68)

union 76

Session 3 - drilling

		to 500 @ 3.50/ft	500-1000 @ 4.50/ft	total
76	300	1050		1050
77	480	1680		1680
78	300	1050		1050
79	240	840		840
80	320	1120		1120
81	260	910		910
82	340	1190		1190
83	310	1085		1085
84	225	787.50		787.50
85	260	910		910
86	490	1715		1715
87	240	840		840
88	250	875		875
89	210	735		735
90	220	770		770
91	230	805		805
92	280	980		980
93	310	1085		1085
94	130	455		455
95	130	455		455
96	235	822.50		822.50
97	220	770		770
98	335	1172.50		1172.50
99	220	770		770
100	240	840		840
101	150	525		525
102	840	1750	1530	3280

		to 500 @ 3.50/ft	500-1000 @ 4.50/ft	total
103	70	245		245
104	45	157.50		157.50
105	360	1260		1260
106	370	1295		1295
107	420	1470		1470
108	300	1050		1050
109	140	490		490
110	250	875		875
111	320	1120		1120
112	240	840		840
113	430	1505		1505
114	400	1400		1400
115	260	910		910
116	440	1540		1540
117	250	875		875
118	270	945		945
119	215	752.50		752.50
120	380	1330		1330
121	135	472.50		472.50
122	500	1750		1750
123	115	402.50		402.50
124	340	1190		1190
125	90	315		315
126	155	542.50		542.50
127	65	227.50		227.50
128	85	297.50		297.50

footage
14,410 ft

total
50,780

Form 67-14 (Rev. 9/68)

union 76

session 3 - coring

	drill (hr)	core (hr)	footage	core	total
7C	85	9½	297.50	712.50	1 010
79C	34	14	119	1 050	1 169
					2 179

total to Dec 22, 1975	60 964
	7 120
	50 780
	2 179
	121 043

total footage
31 439

core footage

13c	50
8c	50
17c	115
7a	33
79c	36
	284

rm 67-14 (Rev. 9/68)

1st Session 17 NOV - 26 NOV

STAN STARNER

union 76

STEVE ROBERTS

Anderson Mine Yavapai Co. Arizona
2nd Drill project 1975-1976
400' grid system

Pg. 1

JRJ

Date	Hole #	Footage	Total Footage						Bits Rock Hmr				
17 NOV.	—												
18	—										Rig pymt	4200.00/20	200.00
19	—										Help	3 * 60.00	180.00
20	—										Bits	1½ pd	200.00
21	—	31 hrs	Cspr - And. Mn.								Fuel	100 gal / 12 hrs	50.00
											Foam		100.00
											Rm / Brd	30.00 x 4	120.00
											Miscl	new Tools etc	100.00
											Drillr	2000/200	100.00
													1050.00
22	Am 42	240'	240'	3							Depr	300,000 over 10 yrs = 30,000	100.00
												300 wd/yr	
23	Am 42	380'	600' (120)	1									
	Am 43	220'		1									1150.00
24	43	560'	660' (280)	2									
	Am 44	100'											
25	44	640'	640' (240)	1			AM 45	360'	360'	1 2		86000.00 Taxes 1974	
26	—	—	—	—			—	—	—	—		STEVE	6000.00/mo 1974 paid off nov
			2140'	≡ 633' per day					360'				

Note: (40) = Footage drilled below 500' @ 4.00 per ft
Average Equiv: ≡ average including coring dollars converted to equivalent footage
overall average equiv. ≡ average for all sessions

union 76

Date	Stan Starner: Hole #	Footage	Total Ft	Bits Rk	Bits Hmr	Steve Roberts: Hole #	Footage	Total Ftg	Bits Rk	Bits Hmr	Russell Sharpe: Hole #	Footage	Total Ftg	Bits
30 NOV	Am 46	340'	340'	1										
1 DEC	Am 46	540'	660' (40)	1		Am 45	330'	395'	1					
	Am 47	120'			1	48	65'			1				
2 DEC	Am 47	780'	780' (400)	3	1	Am 48	565'	670' (130)	1	1				
						49	105			1				
												29 hours move time: Gunnison Colo. to And. Mine Ariz		
3 DEC	Am 50	690	690' (190)	2		Am 49	575	575' (75)	2	1				
4 DEC	Am 53	660	660' (160)	2		Am 52	600'	600 (100)	1	2 washout				
5 DEC	Am 56	380	655	1		Am 55	300'	300'	washout		Am 51	515	635 (K)	1
	57	275		1							54	115		1
6 DEC	Am 58	555	555 (55)	1	washout	Am 55	210	310'			Am 54	320	780	
						13 C	106				60	460		1
						core 13 C	100-107	7' 5 hrs equv 107	1.4' per hr					
7 DEC	Am 59	570	780 (70)			core 13C	107-144	37' 13 hr equv 279'	2.9' per hr		AM 61	420	680'	
	64	210									63	260		
8 DEC	Am 64	790	790' (500)			core 13 C	144-150	6' 3 hr	2' per hr		AM 62	320	660'	
		40	2 hr			Am 18 C	270	270'			65	220		
						core 18C	270-295	25 5.5 hr equv. 182'	4.6' per hr		66	120		

FORM 1-2C74 (REV. 7-72) PRINTED IN U.S.A. (FORMERLY 67-14) (70) = drilled below 500'

2nd SESSION (cont.)

UNION 76

STAN STARNER					STEVE ROBERTS				Russell Sharpe				
Date	Hole #	Footage	Total Ftg	Bits	Hole #	Footage	Total Ftg	Bits	Hole #	Footg	Total Ftg	Bits	
9 DEC	AM 64	360'	17 hrs		Core 18C	295'-320'	25' 7 hr	3.6' per hr					
					AM 17C	100'	100'						
					Core 17C	100-113	13' 4 hr	3.3' per hr	AM 66	120			
							equiv. 236'		67	170	610'		
									68	200			
									69	120			
10 DEC	AM 70	140			Core 17C	113-165	52' 15.5 hr	3.4' per hr	AM 69	70			
	72	195	1015'				equiv. 332'		71	130	500'		
	73	300							75	300			
	75	380											
Totals:	13 holes	6925'	19 hours		6 holes	3220'	(305' below 500')		13 holes	3865'			
		(1415' below 500')			3 core hls	165'	53 hrs						
		Average: 630' per day				Average: 508' per day					Average: 644' per day		
						core 3.1' per hour							
						25.00 per foot							
						Average Equiv: 436' per day							

(a 500') 14,135' × 3.50 per ft = 49,472.50

(below 500') 2375 × 4.50 per ft = 10687.50 = $65410.00

(below 1000') 19 hr × 75.00 per hr = 1425.00

(core) 53 hr × 75.00 per hr = 3825.00

union 76

STAN STARNER

Date	Hole #	Footage	Total Ftg	Bits
15 DEC	Am 77	480'	720'	1
	Am 79	240		2
16 DEC	Am 81	260'		1
	83	310'	820'	2
	85	225'		1
	79-C	25'		
	79-C	25'-34'	9' 3hr 3' per hr equiv 64'	
17 DEC	79-C	34'-70'	36' 14hr 2.6' per hr equiv 300'	
18 DEC	Am 93	310'		1
	97	220'	750'	2
	99	220'		2
19 DEC	Am 100	240'	395'	
	7-C	15'		
	7-C	15-25'	10' 5hr 2' per hr	
	7-C	70'		
	7C	95'-118'	23' 4.5hr 5.1' per hr equiv 204'	

STEVE ROBERTS

Hole #	Footage	Totl Ftg	Bits
Am 17 C	165-201	36' 16 hrs 2.3'/hr	
	[illegible]	equiv 343'	
Am 17-C	201-215	14' 7 hr 2'/hr equiv 150'	
Am 85	260'	260'	
Am 87	240'	490'	1
88	250'		2
Am 92	280'		1
96	235'	650'	1
98	135'		1
Am 98	200'		1
101	150'		
103	70'	600'	
104	45'		
105	135'		

Russell Sharpe

Hole #	Footage	Totl. Ftg.	Bits
Am 76	300'		1
78	300'	700'	1
80	100'		1
Am 80	220'		1
82	340'	760'	1
86	200'		1
Am 86	290'		1
89	210'	720'	1
90	220'		1
Am 91	230'		1
94	130'	720'	1
95	130'		1
102	230'		2
Am 102	610'	610'	
	(340)		

(340') = drilled below 500'

union 76

STAN STARNER

Date	Hole #	Footg	Total Ftg	Bits
20 DEC	AM 109	140'		1
	110	250'	760'	1
	112	250'		1
	114	120'		2
21 DEC	AM 114	280'		1
	117	250'	800'	2
	118	270'		2.
22 DEC	AM 121	135		1
	122	500	790'	1
	126	155		1
Totals:	18 holes	5035'		
	2 core hls	78'	26.5 hr	

Average: 773' per day

Core: 2.9' per hr

26.00 per ft

Average Equiv: 712' per dy

OVERALL AVER EQIUV: 674' per day (19 dys)

STEVE ROBERTS

Hole #	Footage	Ttl Ftg	Bits
AM 105	225'		1
108	300'	600'	2
111	75'		1
AM 111	245'		1
115	260'	600'	2
119	95'		
AM 119	120'		
123	115'		
125	90'	475'	
127	65'		
128	85'		
19 holes	3675'		
1 core hole	50'	22. hr	

Average: 570' per day

Core: 2.3' per hr

33.00 per ft

Average Equiv: 554' per dy

OVERALL AVERAGE EQIU: 526' per dy (18 dys)

RUSSEL SHARPE

Hole #	Footg	Ttl Ftg	Bits
AM 107	420	790'	
106	370		
AM 113	430	870'	1
116	440		2
AM 120	380	720'	1
124	340		2
17 holes	5890'	(340' below 500')	

Average: 736' per day

(0-500)	14,260'	x	3.50	=	49910.00
(below 500)	340'	x	4.50	=	1530.00
(core)	48.5 hr	x	75.00	=	3637.50

≡ 55,078.00

Total footage up to 22 Dec = 31,110 feet

plus equivlnt footage expenses = 3000 feet

Overall averg Equiv: 697' per day (14 dys)

FORM 1-2C74 (REV. 4-72) PRINTED IN U.S.A. (FOR REPLY 67-14)

1st Session 17 Nov - 26 Nov

STAN STARNER

UNION 76

STEVE ROBERTS

Anderson Mine Yavapai Co. Arizona
2nd Drill project 1975-1976
400' grid system

Pg. 1

JRJ

Date	Hole #	Footage	Total Footage						Bits Rock Hmr				
17 Nov.	—										Rig pymt	4200.00/20	200.00
18	—										Help	3 x 60.00	180.00
											Bits	1½ pd	200.00
19	—										Fuel	100 gal / 12 hrs	50.00
											Foam		100.00
20	—										Rm / Brd	30.00 x 4	120.00
											Miscl	new Tools etc	100.00
21	—	31 hrs	Cspr - And. Mn.								Drillr	2000/200	100.00
													1050.00
22	Am 42	240'	240'	3							Depr	300,000 over 10 yrs = 30,000	100.00
												300 wd/yr	
23	Am 42	380'	600' (120)	1									
	Am 43	220'		1									1150.00
24	43	560'	660' (280)	2									
	Am 44	100'											
25	44	640'	640' (240)	1		Am 45	360'	360'	1	2		86,000.00 Taxes 1974	
26	—	—	—	—		—	—	—	—			STEVE	6000.00/mo 1974 paid off now
			2140'	≡ 633' per day				360'					

Note: (40) = Footage drilled below 500' @ 4.50 per ft
Average Equiv: ≡ average including coring dollars converted to equivalent footage
overall average equiv. ≡ average for all sessions

2nd SESSION 1 DEC - 10 DEC 1975

UNION 76

STAN STARNER						STEVE ROBERTS					RUSSELL SHARPE				
Date	Hole #	Footage	Total Ft	Bits Rk	Bits Hmr	Hole #	Footage	Total Ftg	Bits Rk	Bits Hmr	Hole #	Footage	Total Ftg	Bits	
30 NOV	Am 46	340'	340'	1											
1 DEC	Am 46	540'	660' (40)	1		Am 45	330'	395'	1						
	Am 47	120'			1	48	65'			1					
2 DEC	Am 47	780'	780' (400)	3	1	Am 48	565'	670' (130)	1	1					
						49	105			1					
												29 hours	move time: Gunnison Colo.		
3 DEC	Am 50	690	690' (190)	2		Am 49	575	575' (75)	2	1			to And. Mine Ariz		
4 DEC	Am 53	660	660' (160)	2		Am 52	600'	600 (100)	1	2 washout					
5 DEC	Am 56	380	655	1		Am 55	300'	300'	washout		Am 51	515	635 (K)	1	
	57	275		1							54	115		1	
6 DEC	Am 58	555	555 (55)	1	washout	Am 55	210	310'			Am 54	320	780		
						13 C	100				60	460		1	
						core 13 C	100-107	7' 5 hrs, equv 107	1.4' per hr						
7 DEC	Am 59	570	780 (70)			core 13c	107-144	37' 13 hr, equ 279'	2.9' per hr		AM 61	420	680'		
	64	210									63	260			
8 DEC	AM 64	790	790' (500)			core 13 C	144-150	6' 3 hr	2' per hr		AM 62	320	660'		
		40	2 hr			Am 18 C	270	270'			65	220			
						core 18C	270-295	25 5.5 hr equ. 182'	4.6' per hr		66	120			

2nd SESSION (cont.)

union 76

STAN STARNER					STEVE ROBERTS				Russell Sharpe			
Date	Hole #	Footage	Total Ftg	Bits	Hole #	Footage	Total Ftg	Bits	Hole #	Footg	Total Ftg	Bits
9 DEC	AM 64	360'	17 hrs		Core 18C	295'-320'	25' 7 hr	3.6' per hr				
					AM 17C	100'	100'					
					Core 17C	100-113	13' 4 hr equiv 236'	3.3' per hr	AM 66	120		
									67	170	610'	
									68	200		
									69	120		
10 DEC	AM 70	140			Core 17C	113-165	52' 15.5 hr equiv. 332'	3.4' per hr	AM 69	70		
	72	195	1015'						71	130	500'	
	73	300							75	300		
	75	380										
Totals:	13 holes	6925' (1415' below 500')	19 hours		6 holes	3220' (305' below 500')			13 holes	3865'		
					3 core hls	165'	53 hrs					
		Average: 630' per day				Average: 508' per day					Average: 644' per day	

core 3.1' per hour

25.00 per foot

Average Equiv: 436' per day

(0-500')	14,135'	× 3.50	per ft =	49,472.50		
(below 500')	2375	× 4.50	per ft =	10687.50	=	$65410.00
(below 1000')	19 hr	× 75.00	per hr =	1425.00		
(Core)	53 hr	× 75.00	per hr	3975.00		

3rd Session 15 Dec – 22 Dec

union 76

STAN STARNER					STEVE ROBERTS				Russell Sharpe				
Date	Hole #	Footage	Total Ftg	Bits	Hole #	Footage	Totl Ftg	Bits	Hole #	Footage	Totl. Ftg.	Bits	
15 DEC	Am 77	480'	720'	1	Am 17 C	165-201	36' 16 hrs	2.3'/hr	Am 76	300'		1	
	Am 79	240		2		[illegible]	equiv 343'		78	300'	700'	1	
									80	100'		1	
							equiv 150'						
16 DEC	Am 81	260'		1	Am 17-C	201-215	14' 7 hr	2'/hr	Am 80	220'		1	
	83	310'	820'	2	Am 85	260'	260'		82	340'	760'	1	
	85	225'		1					86	200'		1	
	79-C	25'											
	79-C	25'-34'	9' 3hr	3' per hr									
			equiv 64'										
17 DEC	79-C	34'-70'	36' 14hr	2.6' per hr	Am 87	240'	490'	1	Am 86	290'		1	
			equiv 300'		88	250'		2	89	210'	720'	1	
									90	220'		1	
18 DEC	Am 93	310'		1	Am 92	280'		1	Am 91	230'		1	
	97	220'	750'	2	96	235'	650'	1	94	130'	720'	1	
	99	220'		2	98	135'		1	95	130'		1	
									102	230'		2	
19 DEC	Am 100	240'	395'		Am 98	200'		1	Am 102	610'	610'		
	7-C	15'			101	150'				(340)			
	7-C	15-25'	10' 5hr	2' per hr	103	70'	600'						
	7-C	70'			104	45'							
	7C	95'-118'	23' 4.5hr	5.1' per hr	105	135'							
			equiv 204'										

(340) – drilled below 500'

union 76

STAN STARNER

Date	Hole #	Footg	Total Ftg	Bits
20 DEC	AM 109	140'		1
	110	250'	760'	1
	112	250'		1
	114	120'		2
21 DEC	AM 114	280'		1
	117	250'	800'	2
	118	270'		2.
22 DEC	AM 121	135		1
	122	500	790'	1
	126	155		1
Totals:	18 holes	5035'		
	2 core hls	78'	26.5 hr	

Average: 773' per day

Core: 2.9' per hr

26.00 per ft

Average Equiv: 712' per dy

OVERALL AVER EQUIV: 674' per day (19 dys)

STEVE ROBERTS

Hole #	Footage	Ttl Ftg	Bits
AM 105	225'		1
108	300'	600'	2
111	75'		1
AM 111	245'		1
115	260'	600'	2
119	95'		
AM 119	120'		
123	115'		
125	90'	475'	
127	65'		
128	85'		
19 holes	3675'		
1 core hole	50'	22. hr	

Average: 570' per day

Core: 2.3' per hr

33.00 per ft

Average Equiv: 554' per dy

OVERALL AVERAGE EQIV: 526' per dy (18 dys)

RUSSEL SHARPE

Hole #	Footg	Ttl Ftg	Bits
AM 107	420	790'	
106	370		
AM 113	430	870'	1
116	440		2
AM 120	380	720'	1
124	340		2
17 holes	5890'	(340' below 500')	

Average: 736' per day

(0-500)	14,260' ×	3.50	=	49910.00
(below 500)	340' ×	4.50	=	1530.00
(core)	48.5 hr ×	75.00	=	3637.50

≡ 55,078.00

Total footage up to 22 Dec = 31,110 feet

plus equivlnt footage expenses = 3000 feet

Overall averg Equiv: 697' per day (14 dy

FORM 1-2C74 (REV 1-72) PRINTED IN U.S.A. (FORM ONLY 67-14)

Service Contract

MINERALS EXPLORATION COMPANY

_____
Project Name/Location

_____

_____

THIS AGREEMENT entered into this _____ Day of _____, A.D. 19____

between Minerals Exploration Company_____
(Address)

_____(MINERALS) and

_____

_____(Contractor),
(Address)

WITNESSETH:

In consideration of the mutual agreements herein contained, it is agreed as follows:

1. DESCRIPTION OF SERVICE(S) TO BE PERFORMED BY CONTRACTOR
   Contractor shall:

   at the following location(s)

   Such Service(s) to commence on or before_____

2. TERMS OF PAYMENT
   Minerals Exploration Company shall pay Contractor at the following rates (including terms of payment) for the above:

3. OTHER TERMS AND CONDITIONS
   ALL PROVISIONS APPEARING ON THE REVERSE SIDE OF THIS CONTRACT ARE A PART OF THIS CONTRACT. CONTRACTOR HAS READ AND AGREED TO THE SAME.

Contractor_____ Bond ◯ is ◯ is not required

MINERALS EXPLORATION COMPANY

By_____ By_____

Title_____ Title_____

GENERAL CONTRACT PROVISIONS

1. This agreement shall be construed in accordance with the laws and jurisprudence of the State in which the work is performed.

2. Work is to be entirely under Contractor's supervision, direction and control, MINERALS being interested only in the results obtained.

3. All work is to be done in accordance with MINERALS specifications in a thorough, workmanlike manner.

4. No waiver by MINERALS of any of the terms, provisions, or conditions hereof shall be effective unless said waiver shall be in writing and signed by a duly authorized representative of MINERALS.

5. Contractor shall not assign or sublet any portion of the work without MINERALS written consent.

6. If required by MINERALS, Contractor will furnish MINERALS, prior to the commencement of work, a Fidelity bond with a surety company, acceptable to MINERALS.

7. Contractor, upon written notice as a condition precedent to any payment by MINERALS hereunder, shall execute and deliver to MINERALS an affidavit stating that Contractor has paid in full for all labor, materials, rental of equipment, transportation and all other charges in connection with the work performed under this contract for the period covered by such payment.

8. Contractor agrees to indemnify and save MINERALS harmless from any and all loss, damage, injury, liability, and claims therefore and expense, of whatsoever kind or nature, occasioned by injury to or death of any person, including MINERALS employees, and by damage to or loss of property, including MINERALS property, and claims or liens of workmen, howsoever caused, excepting only MINERALS sole negligence, resulting directly or indirectly from or in any way connected with the performance of this agreement, insofar as and to the full extent that such indemnification is permitted by the applicable law. Contractor agrees to obtain and maintain in effect insurance, including Workman's Compensation insurance, to protect MINERALS from any of the above in amounts satisfactory to MINERALS. Certificates of such insurance shall be filed with and approved by MINERALS before commencement of work. The insurance certificates shall state that the insurance shall not be cancelled, terminated or in any way materially altered except upon 10 days written notice delivered to MINERALS.

9. Should any claim or demand be made against MINERALS as a result of any action or omission of Contractor, MINERALS may withhold the unpaid balance of the contract price until MINERALS is satisfied that the claim or demand has been released or adequately provided for. This remedy shall not be deemed exclusive.

10. Contractor accepts full and exclusive liability for the payment of all contributions and taxes for Unemployment Insurance, Old Age Retirement Benefits, annuities or pensions now or hereafter imposed by the United States or Governmental subdivision thereof, measured by wages, salaries or other renumeration paid Contractor's employees; and Contractor further agrees to comply with all rules and regulations applicable thereto. If MINERALS is held liable to pay any such tax on contributions, Contractor agrees to supply MINERALS with all records necessary to compute the same and to fully reimburse MINERALS upon demand, for the amount thereof (including penalties and interest) paid by MINERALS, and shall have the right to deduct any amount so paid from any sums due Contractor by MINERALS. Contractor will obtain and pay for license, inspection and permits which may be required by the City, County, State or Territory in which the work is to be performed.

11. Contractor shall report to MINERALS by the best practical means any accident related to the performance of this contract. This reporting will not imply any admission of liability on the part of MINERALS or Contractor.

12. In the performance of this agreement, Contractor shall comply with all applicable laws, rules, regulations and ordinances and MINERALS safety regulations as instructed.

13. Billings and payments hereunder shall be made at MINERALS address set out above unless Contractor is otherwise notified in writing by MINERALS.

14. On any order or contract whose value exceeds $10,000.00, the Contractor shall comply with the provisions of Executive Order 11246 dated September 24, 1965 and the rules and regulations promulgated pursuant thereto. The Nondiscrimination provisions thereof are hereby incorporated by reference and contractor agrees to comply therewith. Contractor shall, during the term of this contract, file any and all reports required by the aforementioned regulations and, upon request, furnish MINERALS with evidence of such compliance.

15. This agreement may be terminated at the option of either party by giving the other party_____days notice in writing to that effect. For the purpose of giving this notice, or any notice that may be necessary in the performance of this contract, the addresses of the parties hereto shall be and remain as shown on page 1 hereof until notice of either party to the other in writing, of a change of address.

Service Contract

MINERALS EXPLORATION COMPANY

_____
Project Name/Location

_____

_____

THIS AGREEMENT entered into this _____Day of _____, A.D. 19____

between Minerals Exploration Company_____
(Address)

_____(MINERALS) and

_____

_____(Contractor),
(Address)

WITNESSETH:

In consideration of the mutual agreements herein contained, it is agreed as follows:

1. DESCRIPTION OF SERVICE(S) TO BE PERFORMED BY CONTRACTOR
   Contractor shall:

   at the following location(s)

   Such Service(s) to commence on or before_____

2. TERMS OF PAYMENT
   Minerals Exploration Company shall pay Contractor at the following rates (including terms of payment) for the above:

3. OTHER TERMS AND CONDITIONS
   ALL PROVISIONS APPEARING ON THE REVERSE SIDE OF THIS CONTRACT ARE A PART OF THIS CONTRACT. CONTRACTOR HAS READ AND AGREED TO THE SAME.

Contractor_____ Bond ◯ is ◯ is not required

MINERALS EXPLORATION COMPANY

By_____ By_____

Title_____ Title_____

GENERAL CONTRACT PROVISIONS

1. This agreement shall be construed in accordance with the laws and jurisprudence of the State in which the work is performed.

2. Work is to be entirely under Contractor's supervision, direction and control, MINERALS being interested only in the results obtained.

3. All work is to be done in accordance with MINERALS specifications in a thorough, workmanlike manner.

4. No waiver by MINERALS of any of the terms, provisions, or conditions hereof shall be effective unless said waiver shall be in writing and signed by a duly authorized representative of MINERALS.

5. Contractor shall not assign or sublet any portion of the work without MINERALS written consent.

6. If required by MINERALS, Contractor will furnish MINERALS, prior to the commencement of work, a Fidelity bond with a surety company, acceptable to MINERALS.

7. Contractor, upon written notice as a condition precedent to any payment by MINERALS hereunder, shall execute and deliver to MINERALS an affidavit stating that Contractor has paid in full for all labor, materials, rental of equipment, transportation and all other charges in connection with the work performed under this contract for the period covered by such payment.

8. Contractor agrees to indemnify and save MINERALS harmless from any and all loss, damage, injury, liability, and claims therefore and expense, of whatsoever kind or nature, occasioned by injury to or death of any person, including MINERALS employees, and by damage to or loss of property, including MINERALS property, and claims or liens of workmen, howsoever caused, excepting only MINERALS sole negligence, resulting directly or indirectly from or in any way connected with the performance of this agreement, insofar as and to the full extent that such indemnification is permitted by the applicable law. Contractor agrees to obtain and maintain in effect insurance, including Workman's Compensation insurance, to protect MINERALS from any of the above in amounts satisfactory to MINERALS. Certificates of such insurance shall be filed with and approved by MINERALS before commencement of work. The insurance certificates shall state that the insurance shall not be cancelled, terminated or in any way materially altered except upon 10 days written notice delivered to MINERALS.

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10. Contractor accepts full and exclusive liability for the payment of all contributions and taxes for Unemployment Insurance, Old Age Retirement Benefits, annuities or pensions now or hereafter imposed by the United States or Governmental subdivision thereof, measured by wages, salaries or other renumeration paid Contractor's employees; and Contractor further agrees to comply with all rules and regulations applicable thereto. If MINERALS is held liable to pay any such tax on contributions, Contractor agrees to supply MINERALS with all records necessary to compute the same and to fully reimburse MINERALS upon demand, for the amount thereof (including penalties and interest) paid by MINERALS, and shall have the right to deduct any amount so paid from any sums due Contractor by MINERALS. Contractor will obtain and pay for license, inspection and permits which may be required by the City, County, State or Territory in which the work is to be performed.

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14. On any order or contract whose value exceeds $10,000.00, the Contractor shall comply with the provisions of Executive Order 11246 dated September 24, 1965 and the rules and regulations promulgated pursuant thereto. The Nondiscrimination provisions thereof are hereby incorporated by reference and contractor agrees to comply therewith. Contractor shall, during the term of this contract, file any and all reports required by the aforementioned regulations and, upon request, furnish MINERALS with evidence of such compliance.

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Service Contract

MINERALS EXPLORATION COMPANY

_____
Project Name/Location

_____

_____

THIS AGREEMENT entered into this _____ Day of _____, A.D. 19____

between Minerals Exploration Company_____
(Address)

_____(MINERALS) and

_____

_____(Contractor),
(Address)

WITNESSETH:

In consideration of the mutual agreements herein contained, it is agreed as follows:

1. DESCRIPTION OF SERVICE(S) TO BE PERFORMED BY CONTRACTOR
   Contractor shall:

   at the following location(s)

   Such Service(s) to commence on or before_____

2. TERMS OF PAYMENT
   Minerals Exploration Company shall pay Contractor at the following rates (including terms of payment) for the above:

3. OTHER TERMS AND CONDITIONS
   ALL PROVISIONS APPEARING ON THE REVERSE SIDE OF THIS CONTRACT ARE A PART OF THIS CONTRACT. CONTRACTOR HAS READ AND AGREED TO THE SAME.

Contractor_____ Bond ◯ is ◯ is not required

MINERALS EXPLORATION COMPANY

By_____ By_____

Title_____ Title_____

GENERAL CONTRACT PROVISIONS

1. This agreement shall be construed in accordance with the laws and jurisprudence of the State in which the work is performed.

2. Work is to be entirely under Contractor's supervision, direction and control, MINERALS being interested only in the results obtained.

3. All work is to be done in accordance with MINERALS specifications in a thorough, workmanlike manner.

4. No waiver by MINERALS of any of the terms, provisions, or conditions hereof shall be effective unless said waiver shall be in writing and signed by a duly authorized representative of MINERALS.

5. Contractor shall not assign or sublet any portion of the work without MINERALS written consent.

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Service Contract

MINERALS EXPLORATION COMPANY

_____
Project Name/Location

_____

_____

THIS AGREEMENT entered into this _____ Day of _____, A.D. 19____

between Minerals Exploration Company_____
(Address)

_____(MINERALS) and

_____

_____(Contractor),
(Address)

WITNESSETH:

In consideration of the mutual agreements herein contained, it is agreed as follows:

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   Contractor shall:

   at the following location(s)

   Such Service(s) to commence on or before_____

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Contractor_____ Bond ◯ is ◯ is not required

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By_____ By_____

Title_____ Title_____

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15. This agreement may be terminated at the option of either party by giving the other party_____days notice in writing to that effect. For the purpose of giving this notice, or any notice that may be necessary in the performance of this contract, the addresses of the parties hereto shall be and remain as shown on page 1 hereof until notice of either party to the other in writing, of a change of address.

HOLES 101–206

1	49	1	135												
7	51	9	49												
13	79	13	51												
17	113	17	43												
18	119	18	49												
26	127	79	26												
	135	149	127												
	149														

Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev
101	1854	135	1719	126	1792	139	1653	151	1876	48	1828	176	2156	540	1616
102	2045	760	1285	127	1867	55	1812	*152	1869	148	1721	177	2014	650	1364
103	1819	57	1762	128	1749	68	1681	153	2003	630	1373	178	2183	580	1603
104	1825	25	1800	129	1869	413	1456	154	1940	574	1366	179	2053	660	1393
105	1892	285	1607	130	1870	287	1583	155	2068	705	1363	180	2060	727	1333
106	1922	355	1567	131	1932	512	1420	156	2025	649	1376	181	2184	635	1549
107	1924	401	1523	132	2020	415	1605	157	2072	402	1670	182	2081	785	1296
108	1868	285	1583	133	1818	230	1588	158	2066	410	1656	183	2051	770	1281
109	1812	132	1680	134	2008	505	1503	159	2058	746	1312	184	1982	725	1257
110	1845	237	1608	135	1992	495	1497	160	2036	735	1301	185	2184	615	1569
111	1921	310	1611	136	1910	395	1515	161	2041	430	1611	186	2081	740	1341
112	1869	227	1642	137	1924	480	1444	*162	2165	585	1580	187	1985	143	1842
113	1882	407	1475	138	1822	453	1369	163	2014	774	1240	188	1987	120	1867
114	1891	386	1505	139	1801	380	1421	164	1920	713	1207	189	1924	225	1699
115	1799	245	1554	140	1921	490	1431	165	2144	470	1674	190	1867	87	1780
116	1874	425	1449	141	1912	465	1447	166	2026	795	1231	191	1936	195	1741
*117	1837	236	1601	142	1876	500	1375	167	2004	723	1281	192	1942	163	1779
118	1810	249	1561	143	1868	552	1316	168	2063	439	1624	193	1925	167	1758
119	1823	206	1617	144	1893	244	1649	169	1876	216	1660	194	1934	165	1769
120	1844	349	1495	145	1767	124	1643	170	1794	120	1674	195	1871	155	1716
121	1796	118	1678	146	1895	663	1232	171	2037	755	1382	196	1894	203	1691
122	1924	485	1439	147	1776	250	1526	172	1970	240	1730	197	2006	410	1596
123	1868	102	1766	148	1947	67	1880	173	2028	555	1473	198	1992	355	1637
124	1863	325	1538	149	1937	580	1357	174	2189	567	1622	199	1909	260	1649
125	1809	75	1734	150	1985	82	1903	175	2188	589	1599	200	2121	540	1581
201	2190	577	1613	203	2002	681	1321	205	1974	625	1349				
202	2002	70	1932	204	1977	505	1472	206	1931	390	1541				

HOLES 1-100

Hole	Hole Elev	Depth	Base Elev.	Hole	Hole Elev	Depth	Base Elev.	Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev
1	1830	207	1623	26	2027	~~410~~ 755	1257	51	1908	488	1420	76	1764	285	1479
2	1818	99	1719	27	1965	623	1342	52	1924	573	1351	77	1844	440	1404
3	1848	185	1663	28	1852	517	1335	53	1913	648	1265	78	1944	280	1664
4	1812	235	1577	29	1930	260	1670	54	1907	400	1507	79	1904	215	1689
5	NO BASEMENT			30	1962	310	1652	55	1944	480	1464	80	1984	311	1673
6	1790	140	1650	31	2001	380	1621	56	1933	326	1607	81	1929	232	1697
7	1926	175	1751	32	1955	305	1650	57	1930	255	1675	82	1981	290	1691
8	1830	174	1656	33	1955	229	1726	58	1883	515	1368	83	1956	290	1666
9	1994	238	1756	34	1919	140	1779	59	1899	551	1348	84	1937	213	1724
10	1929	330	1599	35	2012	695	1317	60	2073	431	1642	85	1946	225	1721
11	1958	250	1708	36	2044	45	1999	61	2017	402	1615	86	2109	470	1639
12	1931	220	1711	37	2057	460	1597	62	1905	302	1603	87	1945	200	1745
13	1936	277	1659	38	2167	520	1647	63	1911	244	1667	88	1952	231	1721
14	NO BASEMENT			39	1793	107	1686	64	1863	1345	518	89	1960	195	1765
15	1826	471	1355	40	1798	93	1705	65	1799	209	1590	90	1973	205	1768
16	1772	360	1412	41	1973	118	1855	66	1797	229	1568	91	1997	221	1776
17	1714	269	1445	42	2020	584	1436	67	1801	150	1651	92	1962	263	1699
18	1864	395	1469	43	2007	775	1232	68	1697	190	1507	93	1960	300	1660
19	1798	286	1512	44	2000	690	1310	69	1757	171	1586	94	1933	114	1819
20	1919	378	1541	45	1915	670	1245	70	1741	119	1622	95	1889	116	1773
21	1929	430	1499	46	1992	845	1147	71	1699	118	1581	96	1937	220	1717
22	1954	690	1264	47	2015	840 860	1175 1155	72	1787	181	1606	97	1881	195	1686
23	1988	535	1453	48	1954	565	1389	73	1833	286	1547	98	1913	270	1643
24	NO BASEMENT			49	2013	654	1359	74	1864	370	1494	99	1874	205	1669
25	1930	485	1445	50	1993	676	1317	75	1750	272	1478	100	1861	224	1637

-1	360
11-10-16-2	535
9-3	262
9-2	443
9-1	230

16-1

1838
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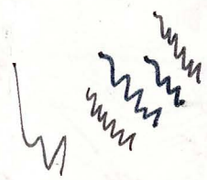

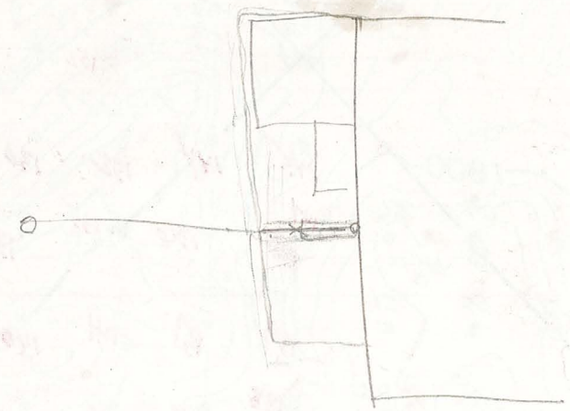

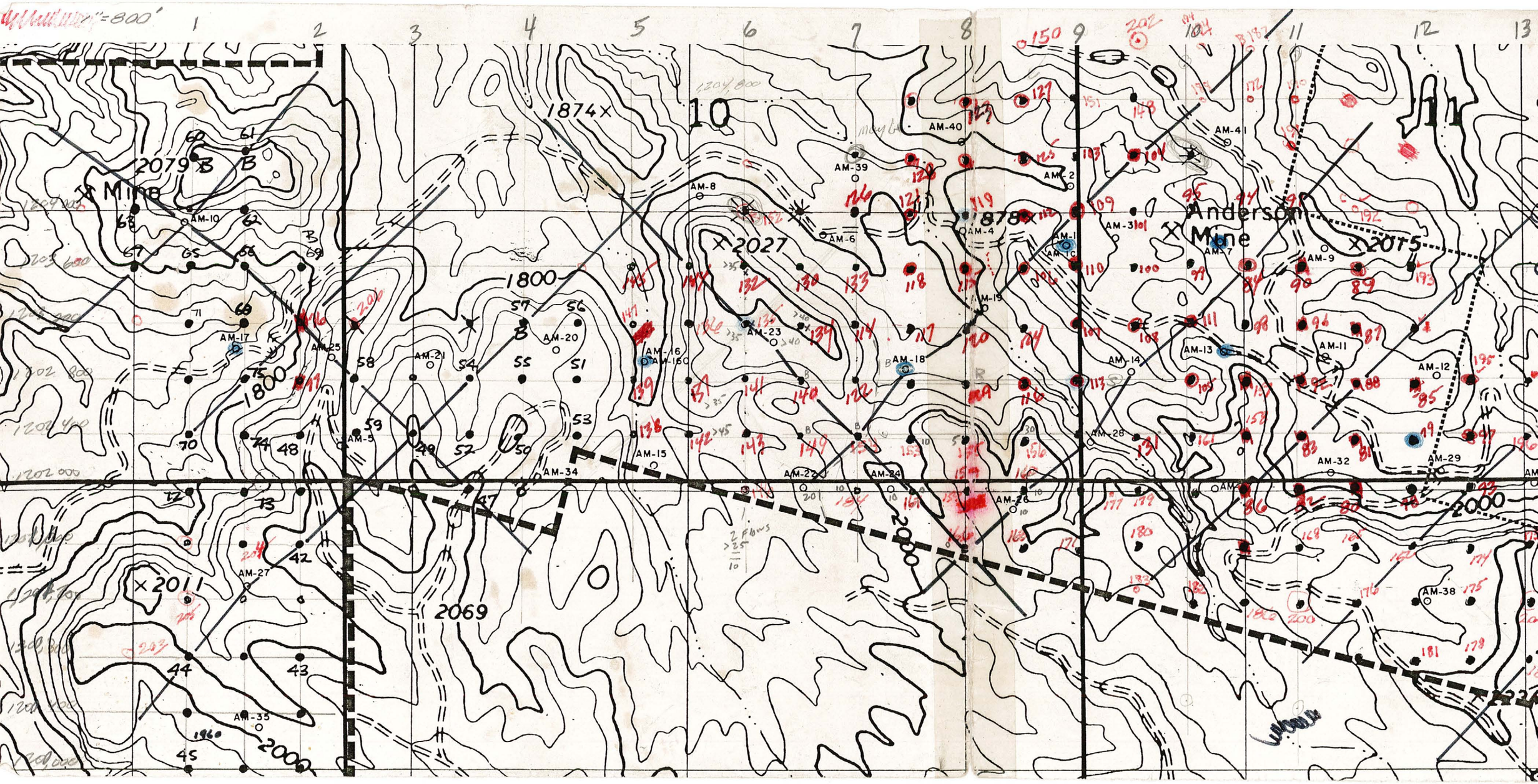

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AM-5
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AM-15
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AM-16C
AM-23
AM-8
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AM-39
AM-40
AM-2
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AM-1
AM-3
AM-7
AM-9
AM-41
Anderson
Mine
2015
2027
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1800
AM-19
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AM-13
AM-11
AM-12
AM-28
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AM-29
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AM-24
AM-26
2000
2000
2011
AM-27
2069
AM-35
AM-38

8/1/69

MINERALS EXPLORATION COMPANY
P. O. BOX 7600
LOS ANGELES, CALIFORNIA

BID SHEET AND DRILLING ORDER

Gentlemen:

In accordance with the provisions of that certain Master Drilling Contract dated October 22, 1975, heretofore executed by you bearing Operator's No. 75-16, and the further provisions hereof, we solicit your bid for drilling and other exploratory operations hereinafter set forth.

This Bid Sheet and Drilling Order has been filled in by us to the extent necessary to permit you to determine the nature and extent of the drilling and/or other exploration work to be performed and to so formulate your bid. If you desire to submit a bid, it will be necessary that you complete this bid sheet. All blanks must be filled in with appropriate information (your attention especially being directed to paragraphs 4 and 5). The completed bid must be properly executed by you and submitted in duplicate originals to our office at P. O. Box 2674, Casper, Wy. 82602, no later than 5:00 pm, February 20, 1976. If your bid is accepted by us, we will return one executed original to you.

In the performance of work under the terms of this drilling order Contractor will use products of Union Oil Company of California where such products are available at competitive prices.

If your bid as submitted is accepted by us, this instrument becomes the Drilling Order and it, together with the Master Drilling Contract identified above, shall constitute the complete agreement between us covering the work described in this Drilling Order.

Yours very truly,

Gerald E. Marrall

Gerald E. Marrall

1. COMMENCEMENT DATE:

Contractor agrees to commence actual operations on or before 12 Noon ~~XXX~~, February 23, 1976, at the locations described below, or in the event Operator is to provide roadways or other means of ~~physical~~ access, or is to provide legal right of ingress and egress, Contractor agrees to commence such operations within _____ days after such physical access or right of ingress and egress is provided by Operator.

2. LOCATION:

San Rafael and Moroni Slope Claims

County Emery State Utah

Contractor warrants and represents that it is familiar with the area in which the work hereunder is to be performed and has examined same prior to executing this Bid and Drilling Order.

3. DRILLING AND/OR OTHER EXPLORATORY OPERATIONS:

a. Drilling (or deepening)
(1) No. of Holes_____ (2) Maximum Depth _____
(3) Average Depth_____ (4) Permitted Deviation of hole from vertical_____ (5) Diameter of Hole_____
(6) Operator shall note the location of each hole on a plat to be timely furnished to Contractor. (7) Operator's representative shall specify the exact depth of each hole in sufficient time so as not to interfere with operations of Contractor.

FURTHER SPECIFICATIONS:
Exhibit A attached and herby made a part of this bid and covers all requirements, provisions, operations and services required in Section 3 thru Section 5 of this bid form

Contractor will keep each hole drilled hereunder open for probing by Operator for at least three (3) consecutive hours after the drilling rig is moved from the hole. If the hole does not remain open for probing for three (3) consecutive hours, the hole will be cleaned out by Contractor at no cost to Operator. If Contractor should encounter adverse ground conditions which might prevent the hole from remaining open, Contractor shall immediately contact Operator's Geologist who shall determine the method to be used to probe the hole.

b. Coring:
(1) Type_____ (2) Length_____ (3) Diameter_____
(4) Intervals_____
(5) Core Samples, Cuttings to be saved by Operator:

(6) Coring/Cutting tools to be used by Operator:

_____

(7) Containers and Marking of Cores/Cuttings or Samples

a) Type of Containers:_____

_____

b) Containers will be supplied by _____.

c) All cores, cuttings, sludge and samples will be delivered by Contractor to Operator's representative.

d) Casing Program:

Size:_____ Type:_____ Weight:_____

Conditions under which Casing must be set:_____

_____

_____

e) Drilling Fluid:

Types:_____

Mud or Mud Conditions:_____

Specifications:

f) Logging:
(1) Type _____
(2) Interval_____

g) Other Exploratory Operations

4. LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES:

a. Labor, equipment, materials, supplies and services to be furnished by Contractor in accordance with Paragraph 2 of the Master Drilling Contract:

No._____(make of rig) capable of drilling to a maximum depth of_____ feet completely equipped with appropriate drill pipe, drill collars, water truck and other equipment necessary to complete drilling program in good and workmanlike manner.

b. Additional material, equipment, special tools, supplies and services to be furnished by:

CONTRACTOR	OPERATOR
____Casing	____Casing
____Steel slush pits	____Steel slush pits
____Water	____Water
____ Cost	____ Cost
____ Storage	____ Storage
____ Transporation	____ Transportation
____ Pumps	____ Pumps
____Bits	____Bits
____Reamers	____Reamers
____Mud or mud conditioners	____Mud or mud conditioners
First $_____for each hole	____ a. Day Work basis
	____ b. In excess of $_____per hole
____Lost circulation material	____Lost circulation material

c. Roads and drill sites to be prepared and maintained by_____

d. Moving time will be at Contractor's expense.

5. COMPENSATION TO BE PAID CONTRACTOR:

a. Mobilization:
Mobilization charge from_____ to the drilling area: $_____ (per rig)

b. Footage Rates:
(1) For all drilling performed with compressed air:
a) From surface to and including _____ feet in depth, at the rate of _____per lineal foot.

b) From _____ feet to and including _____ feet in depth, at the rate of _____ per lineal foot.
(2) For all drilling performed with water or other drilling fluid:
a) From surface to and including _____ feet in depth, at the rate of _____per lineal foot.
b) From _____feet to and including _____feet in depth, at the rate of _____ per lineal foot.

(3) Drilling below _____ feet will be paid on a day work basis.

Depth measurement used to determine compensation due Contractor.

under subparagraphs (1) and (2) above shall be calculated on the basis of drilled footage recorded in the driller's log, provided, however, that Operator may probe the hole to determine footage drilled within three (3) hours after completion of the hole, in which event, the Operator's footage calculation shall control.

c. Day Work Rates:
For all work performed with a full crew (_____men) on a day work basis, as defined in the Master Drilling Contract, Contractor shall be paid for each hour worked on the following basis:

Day Work with drill pipe	$_____per hour
Day Work without drill pipe	_____per hour
Standby with crew	_____per hour
For each man less than a full crew, the sum of shall be deducted from the Day Work rate paid Contractor.	_____per hour
Standby without crew	_____per hour

d. Coring Rates:
(1) Coring with Core Barrel will be compensated at rate of $_____per lineal foot.

(2) Side-wall sampling will be compensated at rate of $_____per hour (or) Day Work Rates.

e. Lost Circulation:
If loss of circulation occurs while normal drilling operations are in progress on a footage rate basis, Contractor shall notify Operator of such loss and shall use all reasonable means to restore the same, without compensation for the first four hours of lost circulation of each hole. If Operator concurs that such condition exists, operations by Contractor to restore circulation after said first four hours of lost circulation shall be compensated on a day work basis until normal circulation is restored. If additional lost circulation is encountered in the same hole after the first loss is encountered, restoration of normal circulation will be compensated on a day work basis.

f. Waiting on Orders:

When Contractor's rig is shut down awaiting Operator's orders (under paragraph 3.5 of Master Drilling Contract) Contractor shall be paid at Standby rates with or without crew as applicable.

g. Casing and Cementing:
Contractor will be reimbursed in accordance with paragraph 7.2 of Master Drilling Contract at:

Footage rates:	_____per hour
Day Work rates:	_____per hour

h. Repairs:
If it becomes necessary to shut down Contractor's rig for repairs while Contractor is performing work on a day-work basis, Contractor shall be allowed compensation for such repairs at the appropriate

day-work rate commensurate with the stage of operations then in effect; i.e. with drill pipe or without drill pipe. The number of hours for which Contractor is to be compensated shall be limited as follows:

For any one job: 4 hours
Total hours per month: 12 hours

i. Interruption:
In the event that Contractor is interrupted in the performance of the work solely as a result of act or omission of Operator, causing Contractor's drilling rigs to be idle at the site of the work, the period of time during which such interruption occurs shall be charged as standby time with crew during the period each drilling rig is so idle. On the next working day following the last day during which any such standby time occurred, Contractor shall advise Operator's Geologist in writing of the duration in hours of such stand-by time. Contractor shall make no claim for, and Operator shall not be obligated to make payment for, stand-by time: (1) which has not been approved in writing by Operator's Geologist (which approval shall not be unreasonably withheld); or (2) which occurs between the end of any work day and the beginning of the next succeeding work day; or (3) which occurs during any period when drilling has not been required by Operator under this agreement; or (4) which occurs during any period in which Contractor is prevented from drilling or is prevented from making depth measurements or conducting other operations hereunder by reason of any force majeure contingency.

j. EXTRA WORK:
Contractor shall not be entitled to any compensation for extra work unless orders therefor are given in writing duly executed by Operator and the amount of compensation for such extra work is specified in such written orders.

6. SURFACE OWNERS:

The rights of surface owners must be respected. Gates will be left in the same position (open or closed) as found. Livestock, insofar as possible, will not be harmed or disturbed. Fences will not be cut without permission, and if cut must be properly braced prior to cutting. Damage to fences will be repaired. Drill sites will be restored to as near their original condition as practicable. Mud pits will be filled and drill holes plugged. Vehicles will stay on established roads or trails as much as possible to avoid unnecessary damage to the surface. Trash, broken equipment, mud, etc., will be removed from the premises. Open fires are prohibited. Hunting or fishing on premises by Contractor's personnel is prohibited. Water holes and streams will not be blocked, damaged or polluted. Breach of any of these conditions by Contractor, its employees, agents or sub-contractors will be ground for cancellation of this Drilling Order and the Master Drilling Contract at Operator's election.

7. BONDS:
Required_____ Not Required X
Bond fee will be charged to Operator.

8. NOTICES:
Notices required under the terms of this Bid and Drilling Order or the Master Drilling Contract shall be sent to the respective addresses of the parties below:

Contractor:

Casper Drilling, Inc.

P. O. Box 2751

Casper, Wyoming 82602

Attention: F. G. Reid
Telephone: 265-2307

Operator:

Minerals Exploration Company

Pronghorn Dr., P. O. Box 2674

Casper, Wyoming 82602

Attention: G. E. Marrall
Telephone: 234-7331

9. SPECIAL PROVISIONS:

All provisions included in Exhibit A attached.

IN WITNESS WHEREOF, this instrument is executed this the 18th day of Feb, 1976.

CONTRACTOR: CASPER DRILLING, INC.
P. O. BOX 2751
CASPER, WYO. 82601

By George [illegible] (Title) Off Mgr

EXHIBIT "A"

Covers Provisions Section 3 thru Section 5, Bid Sheet dated February 18, 1976 between Minerals Exploration Company and Casper Drilling, Inc.

We propose to drill on your leases in the San Rafael area near Green River, Utah at the following rates and terms:

Hole size approximately 5" in diameter. Maximum depth of 2000 feet.

Footage Rate:

From surface to 400 feet @	$3.50 per foot
From 400 feet to 600 feet @	$3.90 per foot
From 600 feet to 800 feet @	$4.30 per foot
From 800 feet to 1000 feet @	$4.70 per foot
From 1000 feet to 1200 feet @	$5.10 per foot
From 1200 feet to 1400 feet @	$5.50 per foot
From 1400 feet to 1600 feet @	$5.90 per foot
From 1600 feet to 1800 feet @	$6.30 per foot
From 1800 feet to 2000 feet @	$6.70 per foot

Hourly Rate:

For hourly work, incidental to footage work - ie. - reaming, casing, etc. $75.00 per hour

For extensive day work, such as coring or at anytime hourly rate time exceeds 5 consecutive hours in any one day - $125.00 per hour

Standby: $ 65.00 per hour

Mobilization-Demobilization: one time charge of - $750.00 per unit unless second unit is coming from a job in immediate area.

Minerals will provide all Rock Bits.

Minerals will provide all access roads, permits, and dirt work, including dug mud pits.

Moves between holes which, due to distance or terrain conditions, require more than one-half hour will be charged at the hourly rate for all time in excess of the one-half hour.

Minerals will furnish source and cost of drilling water, however we will transport and store water. If water haul exceeds ten miles one way, the excess mileage will be charged at the rate of $20.00 per hour.

If lost circulation is encountered while drilling on the footage rate, we will continue efforts to recover circulation for an accumulative period of one hour on any one hole, at no cost to you. If you request continued efforts to recover circulation, such work will be performed on the hourly rate until circulation is regained or the hole is abandoned. If the hole is abandoned after the one hour free period, we will be paid for footage completed at the aforestated rate.

We will furnish the first $50.00 worth of muds, chemicals, foamers, and lost circulation materials on any one hole. You will be billed for all such muds, chemicals, foamers, and lost circulation materials in excess of the $50.00.

If needed, surface casing will be provided by Contractor and billed to Minerals, and the setting of surface casing will be billed at the appropriate hourly rate.

We will guarantee the hole to stand open for purposes of probing for a period of one hours. If probe does not have unobstructed access to bottom of hole, we will return and wash out the hole one time at no additional cost to Minerals. Additional washing of the hole will be billed at the appropriate hourly rate.

While drilling on the hourly rate basis, Minerals will supply all bits, mud, chemicals, mud-additives, casing and miscellaneous drilling supplies. Such supplies to be provided by us and invoiced to Minerals.

We will furnish one Christensen Diamond core barrel in first class condition. Core bits and all core barrel repair parts will be billed to Minerals.

Tools, pipe, or collars lost in the hole while drilling on the hourly rate, will be charged to Minerals at our cost less 1% per month depreciation. Reasonable care and diligence on the part of the driller will be assumed, and no charge will be made if negligence of the driller causes such loss.

Should cavities or loose or caving materials be encountered of such abnormal nature as to prevent successful completion of a hole, we do not guarantee to drill to any certain depth, but shall drill as deep as is practicable under the conditions, and shall be paid for such hole at the rates herein specified for all footage completed.

All charges for booster air equipment will be invoiced to Minerals: $60.00 per day/$7.00 per hour when in use.

Certificates of insurance will be forwarded on notification to proceed.

For Casper Drilling, Inc.:

For Minerals Exploration Company:

CASPER DRILLING, INC.

P. O. BOX 2751 PHONE 307 265-2307
CASPER, WYOMING 82602

FORREST G. REID
PRESIDENT

February 13, 1976

Minerals Exploration
P.O. Box 2674
Casper, WY 82602

Gentlemen:

Per our telephone conversation, we propose to drill on your leases in the San Rafael area near Green River, Utah at the following rates and terms:

Hole size approximately 5" in diameter. Maximum depth of 2000 feet.

Footage Rate:

From surface to 400 feet @	$3.50 per foot
From 400 feet to 600 feet @	$3.90 per foot
From 600 feet to 800 feet @	$4.30 per foot
From 800 feet to 1000 feet @	$4.70 per foot
From 1000 feet to 1200 feet @	$5.10 per foot
From 1200 feet to 1400 feet @	$5.50 per foot
From 1400 feet to 1600 feet @	$5.90 per foot
From 1600 feet to 1800 feet @	$6.30 per foot
From 1800 feet to 2000 feet @	$6.70 per foot

Hourly Rate:

For hourly work, incidental to footage work -- ie.- reaming, casing, etc. $75.00 per hour

For extensive day work, such as coring or at any time hourly rate time exceeds 5 consecutive hours in any one day. $125.00 per hour

Standby: $65.00 per hour

Mobilization-Demobilization: one time charge of $750.00 per unit.

Minerals will provide all Rock Bits.

Minerals will provide all access roads, permits, and dirt work, including dug mud pits.

Moves between holes which, due to distance or terrain conditions, require more than one-half hour will be charged at the hourly rate for all time in excess of the one-half hour.

Minerals will furnish source and cost of drilling water, however we will transport and store water. If water haul exceeds ten miles one way, the excess mileage will be charged at the rate of $20.00 per hour.

If lost circulation is encountered while drilling on the footage rate, we will continue efforts to recover circulation for an accumulative period of one hour on any one hole, at no cost to you. If you request continued efforts to recover circulation, such work will be performed on the hourly rate until circulation is regained or the hole is abandoned. If the hole is abandoned after the one hour free period, we will be paid for footage completed at the aforestated rate.

We will furnish the first $50.00 worth of muds, chemicals, foamers, and lost circulation materials on any one hole. You will be billed for all such muds, chemicals, foamers, and lost circulation materials in excess of the $50.00.

If needed, surface casing will be provided by Minerals, and the setting of surface casing will be billed at the appropriate hourly rate.

We will guarantee the hole to stand open for purposes of probing for a period of one hour. If probe does not have unobstructed access to bottom of hole, we will return and wash out the hole one time at no additional cost to Minerals. Additional washing of the hole will be billed at the appropriate hourly rate.

While drilling on the hourly rate basis, Minerals will supply all bits, muds, chemicals, mud-additives, casing and miscellaneous drilling supplies. Such supplies to be provided by us and invoiced to Minerals.

We will furnish one Christensen Diamond core barrel in first class condition. Core bits and all core barrel repair parts will be billed to Minerals.

Tools, pipe, or collars lost in the hole while drilling on the hourly rate, will be charged to Minerals at our cost less 1% per month depreciation. Reasonable care and diligence on the part of the driller will be assumed, and no charge will be made if negligence of the driller causes such loss.

Should cavities or loose or caving materials be encountered of such abnormal nature as to prevent successful completion of a hole, we do not guarantee to drill to any certain depth, but shall drill as deep as is practicable under the conditions, and shall be paid for such hole at the rates herein specified for all footage completed.

All charges for booster air equipment will be invoiced to Minerals.
60.00 per month / 7.00 per hr when in use

Certificates of insurance will be forwarded on notification to proceed.

We appreciate this opportunity to bid your drilling work and look forward to a mutually satisfactory project.

Yours very truly

CASPER DRILLING, INC.
(REID DRILLING COMPANY)

Forrest G. Reid
President

FGR/ar

Memorandum

Union Oil Company of California

union 76

TO: E. H. Lindsey - L. A.

DATE: January 20, 1976

FROM: G. E. Marrall - Casper

SUBJ: AFE request for drilling funds for San Rafael Desert.

Background:

Minerals Exploration Company holds 1177 unpatented lode mining claims and mineral leases on seven state sections in the San Rafael Desert, Emery County, Utah. In the past we have drilled six holes in the area. Using the data from our holes and dry oil tests in the area, an area of Moss Back thinning has been located. Weak gamma anomalies have been noted in two of our holes.

Objective:

To locate Lisbon Valley-type ore bodies in the Moss Back Sandstone.

Plan:

Since the ore in the Moss Back is generally concentrated where the sandstone is the most heterogeneous (containing clay galls and carbon trash), we plan to examine the edges of the area of Moss Back thinning by drilling fences perpendicular to the edge of the thinning, looking for those sedimentary environments where trash is more likely to accumulate. We will core the target interval so that we can examine the sedimentary features of the sand. As the uranium mineralization is usually accompanied by anomalously high values of vanadium, lead, molybdenum and zinc and occasionally by copper, calcium and strontium, we will also have geochemical analyses run on the core. With this data in hand we should be able to narrow down the location of uranium mineralization.

Cost:

Drill and core approximately 13 holes	$110,000
Surveying and assay work	9,000
Road work, etc.	6,000
TOTAL	$125,000

GEM:ct

Authority for Expenditure
Union Oil Company of California

union 76

A.F.E. No. 116708

DEPARTMENT NO.	DEPARTMENT	LOCATION	DATE
	Minerals Exploration Co.	Casper, Wyoming	Jan. 20, 1976

PURPOSE
[ ] PROGRAMMED EXPANSION, COST REDUCTION, AND OPTIONAL REPLACEMENTS AND ADDITIONS SUBJECT TO MINIMUM RETURN ON INVESTMENT.
[X] NECESSARY REPLACEMENTS, AND "OTHER" EXPENDITURES NOT SUBJECT TO RETURN ON INVESTMENT.

BUDGETED [X] YES [ ] NO

RETURN ON INVESTMENT	REQUIRED	THIS PROPOSAL	CALCULATED BY	AMOUNT REQUESTED (TOTAL COST)
	%	%		$125,000

EXPENDITURE DESCRIPTION

Funds are requested to continue the exploration in the San Rafael Desert Area, Utah where we hold 1177 unpatented mining claims and mineral leases on seven state sections. This will entail the drilling of approximately 13 holes to an average depth of 1650 feet:

Drilling & coring	$110,000
Surveying & assay work	9,000
Road work, etc.	6,000
TOTAL EXPLORATION COST	$125,000

Approved 2/23/76 Per Garza

CHARGE [ ] EXPENSE [X] CAPITAL

	COST CENTER		ACCOUNT			CAP. BUDG. CATG.	AUTHORITY	ADDITIONAL INFORMATION
	GRP.	NUMBER	G/L	DETAIL	SUB-DETAIL			

ESTIMATE BY	A.F.E. MADE BY	CHECKED BY
GEM	GEM	GEM

APPROVED Gerald E Marrell

APPROVED

APPROVED

APPROVED

SENIOR VICE PRESIDENT

Material Transferred	$	
Cash Outlay		$ 125,000
Contingencies	___%	
TOTAL COST		125,000
Salvage (Pres. Value)	(_____)	
Chargeable to Others	___%(_____)	(_____)
NET COST		$ 125,000

COMPTROLLER OR DIVISION COMPTROLLER	EXECUTIVE COMMITTEE – (SECRETARY OR ASS'T SECRETARY	DATE APPROVED

FORM 1-2H04 (NEW 7-74) PRINTED IN U.S.A.

Authority for Expenditure
Union Oil Company of California

A.F.E. No. 116707

union 76

DEPARTMENT NO.	DEPARTMENT	LOCATION	DATE
	Minerals Exploration Co.	Casper, Wyoming	Jan. 20, 1976

PURPOSE
☐ PROGRAMMED EXPANSION, COST REDUCTION, AND OPTIONAL REPLACEMENTS AND ADDITIONS SUBJECT TO MINIMUM RETURN ON INVESTMENT.
☒ NECESSARY REPLACEMENTS, AND "OTHER" EXPENDITURES NOT SUBJECT TO RETURN ON INVESTMENT.

BUDGETED ☒ YES ☐ NO

RETURN ON INVESTMENT	REQUIRED	THIS PROPOSAL	CALCULATED BY	AMOUNT REQUESTED (TOTAL COST)
	%	%		$ 98,000

EXPENDITURE DESCRIPTION

Funds are requested to initiate exploration in the Moroni Slopes area, Emery County, Utah where we hold 430 unpatented lode claims. This will involve drilling approximately 9 holes to a depth of 1700 feet plus the associated support:

Drill, and core approximately 9 holes (includes reentry into existing hole)	$80,000
Surveying	5,000
Assaying	3,000
Road work	10,000
TOTAL	$98,000

DISTRIBUTION:
Corp. Acctg.
Reg'l. Office
Project File
C. S. Brinegar
E. H. Eakland
W. H. Garza
AFE File

R. A. LAMB
FEB 20 1976

CHARGE ☐ EXPENSE ☒ CAPITAL

COST CENTER GRP.	COST CENTER NUMBER	ACCOUNT G/L	ACCOUNT DETAIL	ACCOUNT SUB-DETAIL	CAP. BUDG. CATG.	AUTHORITY	ADDITIONAL INFORMATION
17	125 007	339				116707	

ESTIMATE BY	A.F.E. MADE BY	CHECKED BY
GEM	GEM	GEM / WHG

APPROVED: Gerald E. Marrall

APPROVED: Edward H. Eakland, Jr.

APPROVED:

APPROVED:

SENIOR VICE PRESIDENT: C. S. Brinegar

Material Transferred	$	
Cash Outlay		$ 98,000
Contingencies	%	
TOTAL COST		98,000
Salvage (Pres. Value)	( )	
Chargeable to Others	% ( )	( )
NET COST		$ 98,000

COMPTROLLER OR DIVISION COMPTROLLER	EXECUTIVE COMMITTEE — (SECRETARY OR ASS'T SECRETARY	DATE APPROVED
K. G. Hawks 2/20/76		2/18/76

FORM 1-2H04 (NEW 7-74) PRINTED IN U.S.A.

Sharon

PLUGGING PROGRAM FOR:

TEXACO, INC.
GOVERNMENT W. A. STEVENSON A-NCT#1
Sec. 14, T. 26 S., R. 8 E.,
Emery County, Utah

10' cement plug at surface pipe with marker
8 5/8" casing set at 315' 225 sacks cement circulated.
4 1/2" set at 4514' 2nd stage deviation 2700'
1st stage 100'

PBTD 4377'

4344'-4400'? encountered water set plug 4259'
4194'-4210' encountered water set plug 2670'
2638'-2648' set plug 2590' test water set plug
2534'-2356' dry

with marker

Shinarump: 1590'
Kiabab: 2534'
White Rim: 2620'
Cedar Mesa 3402'
4028'
Paracox 4192'
Mississippian: 4330'

RECEIVED FROM MR. GUNTHER - FARMINGTON NEW MEXICO

CLARELLA N. PECK

C O N F I D E N T I A L

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO. U-0149995

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Gov't.-W.A.Stevenso

9. WELL NO. "A"NCT-1 - 1

10. FIELD AND POOL, OR WILDCAT Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 14, T26S, R8E, SLM

12. COUNTY OR PARISH Emery

13. STATE Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Core Test

2. NAME OF OPERATOR TEXACO Inc.

3. ADDRESS OF OPERATOR Box 810, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

1880' from North line and 1880 from West line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6492' DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Total depth 4415', PBTD 4377'.

Well was plugged and abandoned on 8/10/67 as follows:

Bridge plugs were left at 4259', 2670' and 2590'. Cut off wellhead and spotted 10 sack cement plug in top of 4-1/2" and 8-5/8" casing. Cemented 4" pipe marker in top of hole with 4' extending above ground level.

NOTE: Verbal approval to plug well in above manner was received from Mr. Frank Salwerowiez (USGS, Salt Lake City) and Mr. Paul W. Burchell (UCC, Salt Lake City) on 8/10/67.

18. I hereby certify that the foregoing is true and correct

SIGNED SIGNED: C. F. FARMER TITLE District Superintendent DATE 8/25/67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ELSI: K 3567K

*See Instructions on Reverse Side

CONFIDENTIAL

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other ~~Core test~~

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: TEXACO Inc.

3. ADDRESS OF OPERATOR: Box 810, Farmington, New Mexico 87401

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1880' from North line and 1880 from West line
At top prod. interval reported below: Same
At total depth: Same

5. LEASE DESIGNATION AND SERIAL NO.: U-0149995

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Gov't.W.A.Stevenson "A" NCT-1

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 14, T26S, R8E, SLM

12. COUNTY OR PARISH: Emery

13. STATE: Utah

14. PERMIT NO. / DATE ISSUED:

15. DATE SPUDDED: 6/30/67

16. DATE T.D. REACHED: 7/30/67

17. DATE COMPL. (*Ready to prod.*): Dry hole

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 6492' DF

19. ELEV. CASINGHEAD: -

20. TOTAL DEPTH, MD & TVD: 4415'

21. PLUG, BACK T.D., MD & TVD: -

22. IF MULTIPLE COMPL., HOW MANY*: -

23. INTERVALS DRILLED BY: → ROTARY TOOLS: 0' - 4415' CABLE TOOLS: -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Dry hole

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction Laterolog, Formation Density, Continuous F, Perforating Depth Control

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	315'	12-1/4"	225 sacks	None
4-1/2"	10.5#	4414'	6-3/4"	175 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
2534'-2556' 2 jet shots per foot
2638'-2648' 2 jet shots per foot
4194'-4210' 2 jet shots per foot
4334'-4344' 2 jet shots per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2534'-2556'	1000 gal. NCA acid

33.* PRODUCTION

DATE FIRST PRODUCTION: Dry hole
PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*):
WELL STATUS (*Producing or shut-in*):

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*):
TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: SIGNED C. P. FARMER TITLE: District Superintendent DATE: 8/25/67

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Chinle	2534'		DST#1 - 2526' to 2626'. Tool open 82 minutes, with weak blow of air for 57 minutes and then died. Recovered 503' of very slight oil cut drilling mud with globules of live and dead oil.
White Rim	2620'		
Honaker Trail	4028'		
Mississippian	4330'		DST#2 - 3426- to 3509'. Tool open 1 hour with no recovery at surface. Recovered 150' of drilling mud and 250' of water cut drilling mud.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

AUG 30 1984

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-682536

C O N F I D E N T I A L

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. U-0149995

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Gov't.-W.A.Stevenson

9. WELL NO. NCT-1 1

10. FIELD AND POOL, OR WILDCAT Wildcat New Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 14, 26-S, 8-E, SLM

1a. TYPE OF WORK DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL OIL WELL [ ] GAS WELL [ ] OTHER Core test SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR TEXACO Inc.

3. ADDRESS OF OPERATOR P. O. Box 810, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 1880' from North and West lines NW SE NW
At proposed prod. zone Same

12. COUNTY OR PARISH Emery 13. STATE Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 30 miles southeast of Fremont Jt., Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1880' f/lease line and 60' f/drlg line

16. NO. OF ACRES IN LEASE 1920

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. First well on lease

19. PROPOSED DEPTH 4365'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6437' GR

22. APPROX. DATE WORK WILL START* June 2, 1967

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-5/8"	8-5/8"	24#	300	Circulate
6-3/4"				

FORMATION TOPS AS EXPECTED

Chinle	1525'
Shinarump	1675'
Kaibab	2500'
White Rim	2600'
Cedar Mesa	3550'
Honaker Trail	4050'
Paradox	4175'
Mississippian	4325'

43-015-20237

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED E. C. Hall E. C. HALL TITLE District Accountant DATE May 19, 1967

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

COMPANY Texaco Inc.

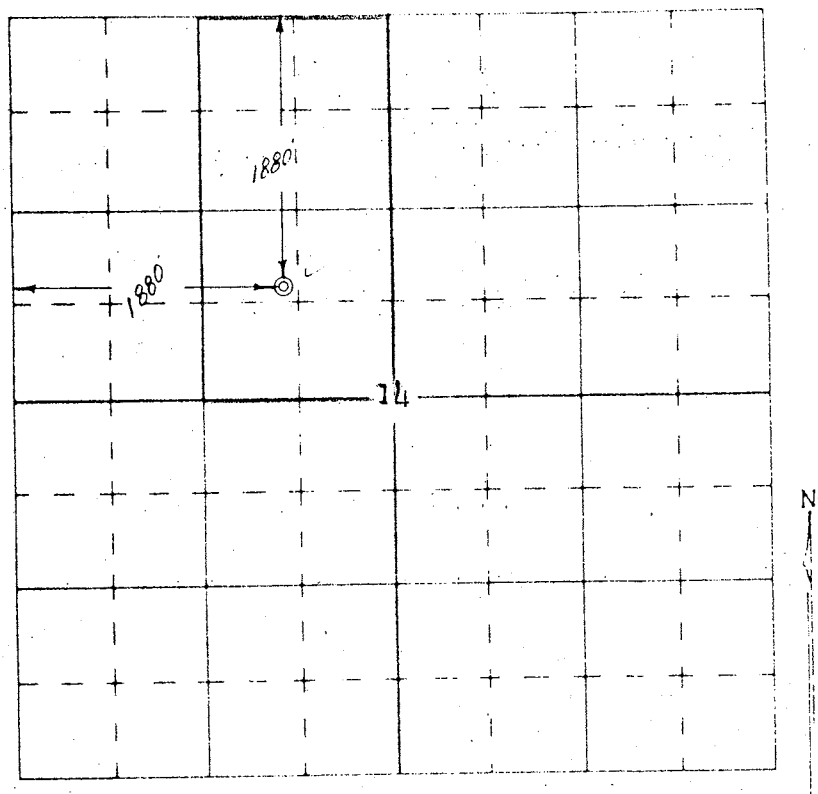
Well Name & No. Gov't. W. A. Stevenson "A" NCT-1 Well No. 1 Lease No.

Location 1880 feet from North line and 1880 feet from West line

Being in Emery County, Utah

Sec. 14, T.26S., R.8E., S.L.M.

Ground Elevation 6480



Scale -- 4 inches equals 1 mile

Surveyed October 20, 19 66

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Registered Professional Engineer and Land Surveyor.
Utah No. 2533

Seal:

Farmington, New Mexico

C O N F I D E N T I A L

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO. U-0149935

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Core Test

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
TEXACO Inc.

8. FARM OR LEASE NAME
Gov't.W.A.Stevenson "NCT-1"

3. ADDRESS OF OPERATOR
P. O. Box 810, Farmington, New Mexico 87401

9. WELL NO.
1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

1880' from North line and 1880 from West line

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14-T26S, R8E, SLM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6492' DF

12. COUNTY OR PARISH
Emery

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	X	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other)							

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded well 1:00 PM on 6-30-67.

Drilled 12-1/4" hole to 315' and cemented 304' of 8-5/8" casing at 315' with 225 sacks of neat cement with 2% calcium chloride added. Cement circulated.

Drilled 6-3/4" hole to 4415' (total depth) and cemented 4402' of 4-1/2" casing at 4414' in two satages with DV tool at 2700'. Cemented first stage through float collar with 75 sacks of 50:50 Pozmix with 4% gel added. Top of cement 3780'. Cemented second stage through DV tool with 100 sacks of 50:50 Pozmix with 4% gel added. Top of cement 1954'. Drilled out DV tool and cement to 4377' (PBTD). Tested casing with 1000 psi for 30 minutes. Tested okay.

18. I hereby certify that the foregoing is true and correct

SIGNED SIGNED: C. P. FARMER TITLE District Superintendent DATE 8/28/67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CONFIDENTIAL

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-0149995

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Gov't. -W.A.Stevenso "A" NCT-1

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 14, T26S, R8E, SLM

12. COUNTY OR PARISH: Emery

13. STATE: Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER: Core Test

2. NAME OF OPERATOR: TEXACO Inc.

3. ADDRESS OF OPERATOR: Box 810, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

1880' from North line and 1880 from West line

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6492' DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	X	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)							

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Total Depth 4415', PBTD 4377'.

Ran correlation log and perforated 4-1/2" casing from 4334' to 4344' with two jet shots per foot. Swabbed 17 barrels of load water and 93 barrels of new water. No show of gas, salt or oil. Set bridge plug at 4259' and perforated 4-1/2" casing from 4194' to 4210' with two jet shots per foot. Set packer at 4177' and swabbed 193 barrels of water. No show of oil or gas. Pulled packer, set bridge plug at 2670' and perforated 4-1/2" casing from 2638' to 2648' with two jet shots per foot. Swabbed 40 barrels of water with no show of oil or gas. Pulled packer, set bridge plug at 2590' and perforated 4-1/2" casing from 2534' to 2556' with two jet shots per foot. Swabbed well dry. Treated perforations 2534' to 2556' with 1000 gallons of NAC acid. Maximum treating pressure 1500 psi. Acid went on in a vacuum at 3 barrels per minute. Swabbed well dry with no show of oil or gas.

18. I hereby certify that the foregoing is true and correct

SIGNED: SIGNED: C. P. FARMER TITLE: District Superintendent DATE: August 25, 19

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

HOLES 1-100

Hole	Hole Elev	Depth	Base Elev.	Hole	Hole Elev	Depth	Base Elev.	Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev.
1	1830	207	1623	26	2027	755 ~~496~~	1254	51	1908	488	1420	76	1764	285	1479
2	1818	99	1719	27	1965	623	1342	52	1924	573	1351	77	1844	440	1404
3	1848	185	1663	28	1852	517	1335	53	1913	648	1265	78	1944	280	1664
4	1812	235	1577	29	1930	260	1670	54	1907	400	1507	79	1904	215	1689
5	NO BASEMENT			30	1962	310	1652	55	1944	480	1464	80	1984	311	1673
6	1790	135 ~~140~~	1650	31	2001	380	1621	56	1933	326	1607	81	1929	232	1697
7	1926	175	1751	32	1955	305	1650	57	1930	255	1675	82	1981	290	1691
8	1830	174	1656	33	1955	229	1726	58	1883	515	1368	83	1956	290	1666
9	1994	238	1756	34	1919	740	1179	59	1899	551	1348	84	1937	213	1724
10	1929	~~330~~	1599	35	2012	695	1317	60	2073	431	1642	85	1946	225	1721
11	1958	250	1708	36	2044	45	1999	61	2017	402	1615	86	2109	470	1639
12	1931	220	1711	37	2057	460	1597	62	1905	302	1603	87	1945	200	1745
13	1936	277	1659	38	2167	520	1647	63	1911	244	1667	88	1952	231	1721
14	NO BASEMENT			39	1793	107	1686	64	1863	1345	518	89	1960	195	1765
15	1826	471	1355	40	1798	93	1705	65	1799	209	1590	90	1973	205	1768
16	1772	360	1412	41	1973	118	1855	66	1797	229	1568	91	1997	221	1776
17	1714	269	1445	42	2020	584	1436	67	1801	150	1651	92	1962	263	1699
18	1864	395	1469	43	2007	775	1232	68	1697	190	1507	93	1960	300	1660
19	1798	286	1512	44	2000	690	1310	69	1757	171	1586	94	1933	114	1819
20	1919	378	1541	45	1915	670	1245	70	1941	119	1622	95	1889	116	1773
21	1929	430	1499	46	1992	845	1147	71	1699	118	1581	96	1937	220	1717
22	1954	690	1264	47	2015	860	1155	72	1787	181	1606	97	1881	195	1686
23	1988	535	1453	48	1954	565	1389	73	1833	286	1547	98	1913	270	1643
24	NO BASEMENT			49	2013	654	1359	74	1864	370	1494	99	1874	205	1669
25	1930	485	1445	50	1993	676	1317	75	1750	272	1478	100	1861	224	1637

HOLES 101–206

Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev	Hole	Hole Elev	Depth	Base Elev
101	1854	135	1719	126	1792	139	1653	151	1876	48	1828	176	2156	540	1616
102	2045	760	1285	127	1867	55	1812	152	1869	148	1721	177	2014	650	1364
103	1819	57	1762	128	1749	68	1681	153	2003	630	1373	178	2183	585	1598
104	1825	25	1800	129	1869	413	1456	154	1940	574	1366	179	2053	660	1393
105	1892	285	1607	130	1870	287	1583	155	2068	705	1363	180	2060	727	1333
106	1922	355	1567	131	1932	512	1420	156	2025	649	1376	181	2184	635	1549
107	1924	401	1523	132	2020	415	1605	157	2072	402	1670	182	2081	785	1296
108	1868	285	1583	133	1818	230	1588	158	2066	410	1656	183	2051	770	1281
109	1812	132	1680	134	2008	505	1503	159	2058	746	1312	184	1982	725	1257
110	1845	237	1608	135	1992	495	1497	160	2036	735	1301	185	2184	615	1569
111	1921	310	1611	136	1910	395	1515	161	2041	430	1611	186	2081	740	1341
112	1869	227	1642	137	1924	480	1444	162	2165	585	1580	187	1985	143	1842
113	1882	407	1475	138	1822	453	1369	163	2014	774	1240	188	1987	120	1867
114	1891	386	1505	139	1801	380	1421	164	1920	713	1207	189	1924	225	1699
115	1799	245	1554	140	1921	490	1431	165	2144	470	1674	190	1867	87	1780
116	1874	425	1449	141	1912	465	1447	166	2026	795	1231	191	1936	195	1741
117	1837	236	1601	142	1876	500	1375	167	2004	723	1281	192	1942	163	1779
118	1810	249	1561	143	1868	552	1316	168	2063	439	1624	193	1925	167	1758
119	1823	206	1617	144	1893	244	1649	169	1876	216	1660	194	1934	165	1769
120	1844	349	1495	145	1767	124	1643	170	1794	120	1674	195	1871	155	1716
121	1796	118	1678	146	1895	663	1232	171	2037	755	1282	196	1894	203	1691
122	1924	485	1439	147	1776	250	1526	172	1970	240	1730	197	2006	410	1596
123	1868	102	1766	148	1947	67	1880	173	2201	555	1646	198	1992	355	1637
124	1863	325	1538	149	1937	580	1357	174	2189	567	1622	199	1909	260	1649
125	1809	75	1734	150	1985	82	1903	175	2188	589	1599	200	2121	540	1581
201	2190	577	1613	203	2002	681	1321	205	1974	625	1349				
202	2002	70	1932	204	1977	505	1472	206	1931	390	1541				

AM #	COORDINATES	ELEVATIONS
1	1,203,782.5N-642,726.1E	1830
1C	1,203,786.5N-642,733.1E	1830
2	1,204,191.6N-642,758.7E	1818
3	1,203,808.7N-643,051.1E	1848
4	1,203,876.1N-641,982.6E	1812
5	1,202,320.4N-637,545.9E	1918
6	1,203,848.8N-640,949.7E	1790
7	1,203,799.1N-643,830.4E	1926
8	1,204,112.2N-640,086.1E	1830
9	1,203,736.7N-644,569.3E	1994
10	1,203,908N-636,372E	1929
11	1,202,976.7N-644,571.3E	1958
12	1,202,836.1N-645,384.6E	1931
13	1,203,020.9N-643,852.9E	1936
14	1,202,863.7N-643,167.6E	1903
15	1,202,199N-639,760E	1826
16	1,202,942N-639,671E	1772
16C	1,202,947N-639,676E	1772
17	1,203,009N-636,753E	1714
18	1,202,892N-641,554E	1864
19	1,203,303N-642,110E	1798
20	1,203,011N-639,055E	1919
21	1,202,901N-638,134E	1929
22	1,202,029N-640,823E	1954
23	1,203,080N-640,601E	1988
24	1,202,014N-641,460E	2008
25	1,202,958N-637,434E	1930
26	1,201,879N-642,347E	2027
27	1,201,300N-636,842E	1965
28	1,202,371N-642,887E	1852
29	1,202,124N-645,410E	1930
30	1,202,066N-646,073E	1962
31	1,201,385N-646,330E	2001
32	1,202,131N-644,623E	1955
33	1,202,107N-646,914E	1955
34	1,202,085N-638,897E	1919
35	1,200,302N-636,938E	2012
36	1,202,128N-647,690E	2044
37	1,202,013N-643,772E	2057
38	1,201,208N-645,335E	2167
39	1,204,245N-641,191E	1793
40	1,204,515N-641,963E	1798
41	1,204,502N-643,878E	1973
42	1,201,600N-637,201E	2020
43	1,200,785N-637,200E	2007
44	1,200,760N-636,398E	2000

AM #	COORDINATES	ELEVATIONS
45	1,200,017N-636,416E	1915
46	1,200,008N-637,199E	1992
47	1,202,001N-638,403E	2015
48	1,202,394N-637,199E	1954
49	1,202,406N-638,006E	2013
50	1,202,401N-638,800E	1993
51	1,202,802N-639,197E	1908
52	1,202,398N-638,395E	1924
53	1,202,408N-639,202E	1913
54	1,202,799N-638,407E	1907
55	1,202,812N-638,782E	1944
56	1,203,195N-639,205E	1933
57	1,203,191N-638,799E	1930
58	1,202,797N-637,687E	1883
59	1,202,398N-637,588E	1899
60	1,204,322N-636,475E	2073
61	1,204,370N-636,797E	2017
62	1,204,015N-636,780E	1905
63	1,204,005N-636,029E	1911
64	1,200,004N-632,798E	1863
65	1,203,554N-636,366E	1799
66	1,203,544N-636,688E	1797
67	1,203,603N-636,010E	1801
68	1,203,198N-636,788E	1697
69	1,203,537N-637,174E	1757
70	1,202,399N-636,401E	1741
71	1,203,206N-636,408E	1699
72	1,201,999N-636,397E	1787
73	1,201,991N-636,801E	1833
74	1,202,419N-636,761E	1864
75	1,202,794N-636,804E	1750
76	1,203,200N-637,129E	1764
77	1,202,790N-637,221E	1844
78	1,201,998N-645,203E	1944
79	1,202,397N-645,201E	1904
80	1,201,996N-644,797E	1984
81	1,202,401N-644,802E	1929
82	1,202,000N-644,405E	1981
83	1,202,400N-644,393E	1956
84	1,203,600N-644,001E	1937
85	1,202,795N-645,192E	1946
86	1,201,995N-644,003E	2109
87	1,203,192N-644,807E	1945
88	1,202,807N-644,787E	1952
89	1,203,595N-644,794E	1960
90	1,203,601N-644,402E	1973
91	1,204,001N-644,400E	1997
92	1,202,803N-644,392E	1962
93	1,201,996N-645,598E	1960
94	1,204,003N-644,003E	1933
95	1,204,003N-643,607E	1889
96	1,203,204N-644,391E	1937
97	1,202,415N-645,599E	1881
98	1,203,211N-643,996E	1913

AM#	COORDINATES	ELEVATIONS
99	1,203,599N-643,603E	1874
100	1,203,599N-643,203E	1861
101	1,203,997N-643,197E	1854
102	1,199,010N-637,222E	2045
103	1,204,412N-642,778E	1819
104	1,204,376N-643,180E	1825
105	1,202,781N-643,590E	1892
106	1,203,637N-642,432E	1922
107	1,203,181N-642,698E	1924
108	1,203,187N-643,203E	1868
109	1,203,994N-642,814E	1812
110	1,203,589N-642,807E	1845
111	1,203,193N-643,599E	1921
112	1,203,999N-642,401E	1869
113	1,202,801N-642,796E	1882
114	1,203,181N-641,204E	1891
115	1,203,605N-642,004E	1799
116	1,202,799N-642,389E	1874
117	1,203,201N-641,609E	1837
118	1,203,608N-641,600E	1810
119	1,204,050N-642,033E	1823
120	1,203,205N-642,005E	1844
121	1,203,884N-641,726E	1796
122	1,202,806N-641,177E	1924
123	1,204,800N-642,007E	1868
124	1,203,198N-642,475E	1863
125	1,204,408N-642,401E	1809
126	1,204,003N-641,204E	1792
127	1,204,808N-642,412E	1867
128	1,204,395N-641,595E	1749
7C	1,203,803N-643,852E	1931
13C	1,203,043N-643,862E	1940
17C	1,202,998N-636,759E	1718
18C	1,202,890N-641,570E	1870
79C	1,202,392N-645,201E	1905

AM#	COORDINATES	ELEVATIONS
11-10-9-1	1,202,907N-632,671E	1669
11-10-9-2	1,202,052N-632,892E	1718
11-10-16-1	1,200,510N-634,854E	1747
11-10-16-2	1,199,472N-635,633E	1838
11-10-17-1	1,199,715N-629,478E	1721
11-10-18-1	1,200,839N-626,630E	1556
11-10-19-1	1,196,771N-623,500E	1530
11-11-21-1	1,195,534N-601,841E	1426
11-11-22-1	1,195,245N-607,555E	1548