

CONFIDENTIAL

Release Date 6-7-70

P-W

UNION #17 NAVAJO
SW SW 17-36N-29E APACHE CO.

522

COUNTY Apache AREA _____ LEASE NO. NOO-C-14-20-2346
Tract 119

WELL NAME Union Oil Company #1-17 Navajo

LOCATION SW SW SEC 17 TWP 36N RANGE 29E FOOTAGE 702' FSL 777' FWL

ELEV 7690' GR 7705 KB SPUD DATE 11-15-9 STATUS P&A TOTAL
 COMP. DATE 12-7-69 DEPTH 5057

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
8 5/8	490	275		
				DRILLED BY CABLE TOOL _____
				PRODUCTIVE RESERVOIR _____
				INITIAL PRODUCTION <u>Dry Hole</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Navajo	521'	X	X	
Keyente	871'			
Windgate	1100'			
Chinle	1453'			
Shinarump	2452'			
DeChelly	2598'			
Supai	3176'			
Hermosa	4293'			
Molas	4937'			
Redwall	5031'			
Log TD	5038'			
Drlr TD	5057'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>(not in file)</u> <u>Am Strat</u>
SNP -2; DIL -2; FDC-GR - 2	NA	NA	SAMPLE DESCRP. _____ SAMPLE NO. <u>1611</u> CORE ANALYSIS _____ DSTs _____

REMARKS	APP. TO PLUG	PLUGGING REP.	COMP. REPORT
	<u>x</u>	<u>x</u>	<u>x</u>

WATER WELL ACCEPTED BY _____

BOND CO. St. Paul Fire & Marine Insurance Company BOND NO. 400 CF 7948/15194
 BOND AMT. \$ 25,000 CANCELLED 10-30-70 DATE _____ ORGANIZATION REPORT 5-1-69
 FILING RECEIPT 2856 LOC. PLAT x WELL BOOK x PLAT BOOK x
 API NO. 02-001-20121 DATE ISSUED 11-10-69 DEDICATION S/2 SW/4

PERMIT NUMBER 522 **CONFIDENTIAL**
 Release Date 6-7-70
 (over)

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator: Union Oil Company of California
Address: P. O. Box 1611 - Casper, Wyoming 82601

Federal, State or Indian Lease Number or name of lessor if fee lease: NOO-C-14-20-2346
Well Number: 1-M17
Field & Reservoir: Wildcat

Location: 702' FSL and 777' FWL (SW SW)
County: Apache

Sec. TWP-Range or Block & Survey:
Sec. 17, T36N, R29E

Date spudded: 11-15-69
Date total depth reached: 12-5-69
Date completed, ready to produce: Plug & abandon
Elevation (DF, SFB, RT or Gr.): 7705 KB feet
Elevation of casing hd. range: feet

Total depth: 5057'
P.B.T.D.
Single, dual or triple completion?
If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: 0-5057'
Rotary tools used (interval):
Cable tools used (interval):

Was this well directionally drilled? No
Was directional survey made? No
Was copy of directional survey filed?
Date filed:

Type of electrical or other logs run (check logs filed with the commission): Dual Induction
Laterolog - Formation Density Compensated
Date filed: 12-6-69

CASING RECORD

Casing (report all strings set in well-conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	12-1/4"	8-5/8"	24	490	275	-0-

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Setback (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production: Dry Hole
Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): Plugged and Abandoned

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Drlg. Supt. of the Union Oil Company of California (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date: December 9, 1969
Signature: A. T. Mannon, Jr.

CONFIDENTIAL

Permit No. 522
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. 4
File One Copy

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Navajo	521		DST No. 1 - 4742-4880'. TO 10 min. with weak blow throughout; SI 30 mins.; TO 10 mins. no blow; SI 30 mins.; TO 20 mins. no blow; SI 30 mins. Recovered 120' drilling mud. No show gas, oil or water. IHP 2344; IFP 79 steady; ISIP 198; Second FP 79 steady; Second SIP 145; Third FP 79; Third SIP 105; FHP 2344.
Keyente	871		
Windgate	1100		
Chinle	1453		
Shinarump	2452		
De Chelly	2598		
Supai	3176		
Hermosa	4293		
Molas	4937		
Redwall	5038		
Log TD	5031		
Drir TD	5057		

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

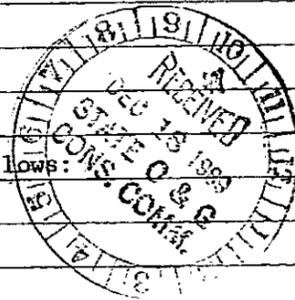
APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
OPERATOR Union Oil Company of California ADDRESS P. O. Box 1611 - Casper, Wyoming 82601
Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease N00-C-14-20-2346 WELL NO. 1-M17
SURVEY T36N; R29E SECTION 17 COUNTY Apache
LOCATION 702' FSL and 777' FWL (SW SW)

TYPE OF WELL Dry Hole (Oil, Gas or Dry Hole) TOTAL DEPTH 5057'
ALLOWABLE (If Assigned) _____
LAST PRODUCTION TEST OIL None (Bbls.) WATER _____ (Bbls.)
GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON None PRODUCING FROM _____ TO _____
1. COMPLETE CASING RECORD 8-5/8" OD, 24#, J-55 casing (surface) set at 490' with 275 sx. cement.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Set cement plugs as follows:
Plug No. 1 5057-4950' - 45 sx. cement plug
Plug No. 2 4350-4250' - 45 sx. cement plug
Plug No. 3 2650-2550' - 45 sx. cement plug
Plug No. 4 1150-1050' - 45 sx. cement plug
Plug No. 5 10 sx. cement plug in top of surface pipe with dry hole marker installed.



If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS December 6, 1969
NAME OF PERSON DOING WORK M. Marinovich ADDRESS Casper, Wyoming
CORRESPONDENCE SHOULD BE SENT TO A. T. Mannon, Jr.
Name A. T. Mannon, Jr.
Title District Drilling Superintendent
Address P. O. Box 1611 - Casper, Wyoming 82601
Date December 9, 1969

Date Approved 12-18-69
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Bannister

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies
Form No. 9

Permit No. 522

CONFIDENTIAL

12-24-69

The following samples have been delivered to the cut.

Arkla, #44 NMA
Sec. 8-17N-23E
Navajo Co. Ariz.

Buttes O & G
#1-24 Navajo
Sec. 24-37N-28E
Apache Co. Ariz.
Permit # 520

Union, #1-M-17 Navajo
Sec. 17-36N-29E
Apache Co. Ariz.
Held Title
Permit # 522

HAPPY HOLIDAYS

J. Ratcliff
FOUR CORNERS SAMPLE CUT ASSOCIATION
FOUR CORNERS BOX 899
FARMINGTON, NEW MEXICO

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

UNION OIL COMPANY OF CALIFORNIA
NAME OF COMPANY OR OPERATOR

P. O. BOX 1611 **CASPER** **WYOMING 82601**
Address City State

Drilling Contractor

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor N00-C-14-20-2346 Tract 119	Well number 1-M17	Elevation (ground) Report Later
Nearest distance from proposed location to property or lease line: 660 feet	Distance from proposed location to nearest drilling completed or applied—for well on the same lease: None feet	
Number of acres in lease: 640	Number of wells on lease, including this well, completed in or drilling to this reservoir: One (1)	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address

Well location (give footages from section lines) 660' FSL and 660' FWL	Section—township—range or block and survey Sec. 17; T.36N; R.29E	Dedication (Comply with Rule 105) SW SW
Field and reservoir (if wildcat, so state) Wildcat	County Apache	W/2
Distance, in miles, and direction from nearest town or post office		

Proposed depth: 4,700'	Rotary or cable tool Rotary	Approx. date work will start November 10, 1969
Bond Status on file	Organization Report On file X Or attached	Filing Fee of \$25.00 Attached Yes

Remarks: Drill 12-1/4" hole to 350'; run and cement 8-5/8" OD casing to surface. Drill 7-7/8" hole to total depth, log and test. If productive run 5-1/2" OD casing to total depth and cement. Perforate and complete using 2-7/8" OD tubing. Coring and Drill Stem Testing will be at the discretion of well site geologist. Double Ram Pressure Operated B.O.P.'s will be used.

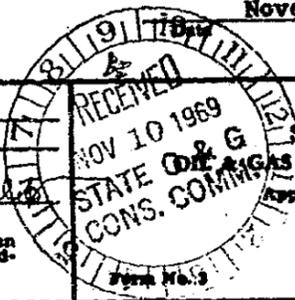
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Drilling Supt. of the Union Oil Company of California (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

CONFIDENTIAL

A. T. Mannon, Jr.
Signature **A. T. Mannon, Jr.**

November 4, 1969

Permit Number: **522**
Approval Date: **11-10-69**
Approved By: *John J. Banner*
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.



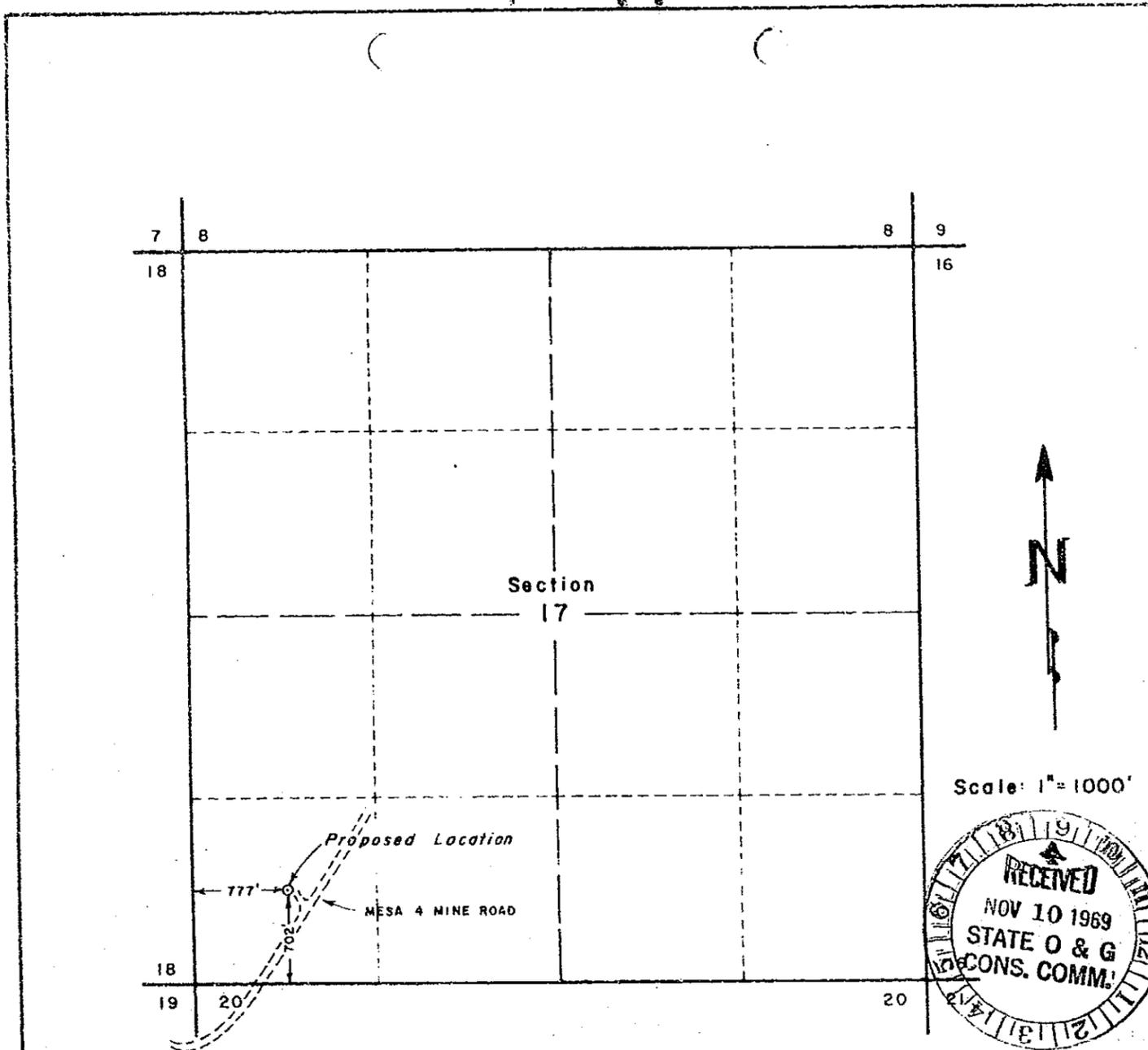
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">CERTIFICATION</td> </tr> <tr> <td colspan="2">I hereby certify that the information above is true and complete to the best of my knowledge and belief.</td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>A. T. Mannon, Jr.</i></td> </tr> <tr> <td colspan="2">Name</td> </tr> <tr> <td colspan="2" style="text-align: center;">A. T. Mannon, Jr.</td> </tr> <tr> <td colspan="2">Position</td> </tr> <tr> <td colspan="2" style="text-align: center;">Dist Drilling Supt</td> </tr> <tr> <td colspan="2">Company</td> </tr> <tr> <td colspan="2" style="text-align: center;">Union Oil Co of Calif</td> </tr> <tr> <td colspan="2">Date</td> </tr> <tr> <td colspan="2" style="text-align: center;">November 4, 1969</td> </tr> <tr> <td colspan="2">I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</td> </tr> <tr> <td colspan="2">Date Surveyed</td> </tr> <tr> <td colspan="2">Registered Professional Engineer and/or Land Surveyor</td> </tr> <tr> <td colspan="2">Certificate No.</td> </tr> </table>		CERTIFICATION		I hereby certify that the information above is true and complete to the best of my knowledge and belief.		<i>A. T. Mannon, Jr.</i>		Name		A. T. Mannon, Jr.		Position		Dist Drilling Supt		Company		Union Oil Co of Calif		Date		November 4, 1969		I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.		Date Surveyed		Registered Professional Engineer and/or Land Surveyor		Certificate No.	
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0	330	660	990	1320	1650	1980	2310	2640	2000	1500	1000	500	0																		

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement



WELL LOCATION: Union Oil Co. - Giant No. 1 - M 17

Located 702 feet North of the South line and 777 feet East of the West line of Section 17,
 Township 36 North, Range 29 East, Gila & Salt River Meridian
 Apache Co., Arizona
 Existing ground elevation determined at 7690 feet based on U.S.G.S. datum.

522

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Arizona 5315

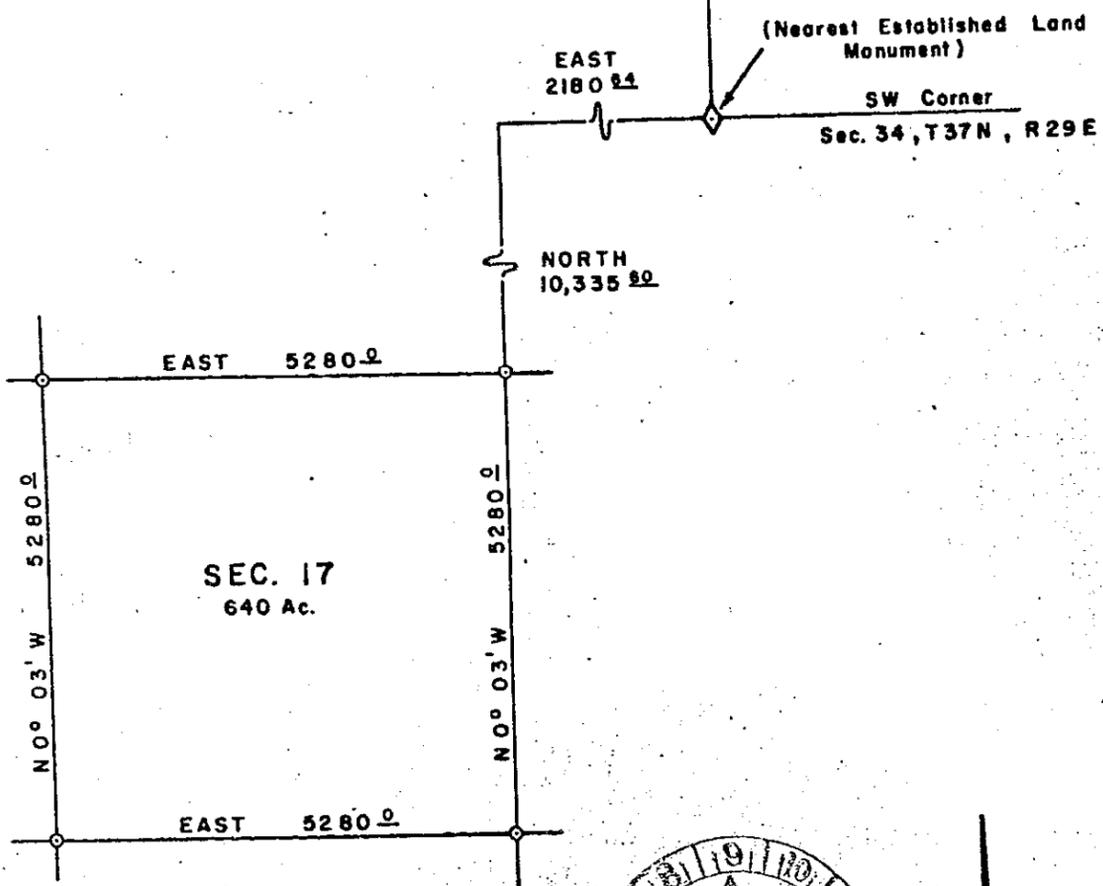


UNION OIL COMPANY
 Denver, Colorado

WELL LOCATION PLAT
 SEC. 17, T36 N, R 29 E
 Apache Co., Arizona

CLARK-REED & ASSOC.
 Durango, Colorado

DATE: Nov. 6, 1969
 FILE NO: 69080



TRACT LEGAL DESCRIPTION

Contract No. N00-C-14-20-2346
 T36N, R29E, G. & S.R.M. (Unsurveyed)
 Section 17 — All
 Containing approximately 640 Ac.

This survey made in accordance with
 Arizona Protraction Diagram No. 38
 Bureau of Land Management dated 2/11/60



SCALE : 1" = 2000'

○ Set 2" brass cap properly marked

I hereby certify the above plot represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed
 522 FREDERICK H. REED
 Registered Land Surveyor
 State of Arizona * 5313



UNION OIL COMPANY Denver, Colorado	
BOUNDARY SURVEY SEC. 17, T36N, R29E, G. & S.R.M. Apache Co., Arizona	
CLARK-REED & ASSOC. Durango, Colorado	DATE: Nov. 6, 1969 FILE NO: 69080

9



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: UNION OIL COMPANY OF CALIFORNIA
(OPERATOR)

to drill a well to be known as

UNION OIL COMPANY #1-17 NAVAJO (2346)
(WELL NAME)

located 702' FSL - 777' FVL

Section 17 Township 36N Range 29E, APACHE County, Arizona.

The W/2 SW/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 10th day of November, 19 69.

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL
YOU MUST BE IN FULL COMPLIANCE WITH RULE
105, SECTION A THRU G (SPACING), WITH RESPECT
TO THE PRODUCT TO BE PRODUCED.

OIL AND GAS CONSERVATION COMMISSION

By John Kinsinger
EXECUTIVE SECRETARY

PERMIT N^o 522

RECEIPT NO. 2856
API NO. 02-001-20121

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

September 23, 1970

St. Paul Fire & Marine Insurance Company
Moore, Case, Lyman & Hubbard, Inc.,
175 West Jackson Boulevard
Chicago, Illinois 60604

Re: Union #1-166 Navajo
NW/4 NW/4 Sec. 20-T6N-R6W
Apache County
Our File #477

Union #1-11 Navajo
SE/4 SW/4 Sec. 11-T36N-R29E
Apache County
Our File #519

Union #1-4 Navajo
SE/4 SE/4 Sec. 4-T36N-R29E
Apache County
Our File #521

Union #1-17 Navajo
SW/4 SW/4 Sec. 17-T36N-R29E
Apache County
Our File #522

Bond No. 400CF 7948/15194

Gentlemen:

Records of this office indicate that Union Oil Company has fulfilled their obligations to the State of Arizona as to the requirements pertaining to the above captioned wells. We authorize termination of the subject bond effective October 30, 1970.

Very truly yours,

W. E. Allen
Director, Enforcement Section

WEA:jd
cc: Union Oil Company
Denver, Colorado

Operator UNION OIL COMPANY OF CALIFORNIA

Bond Company ST. PAUL FIRE & MARINE INSURANCE ^{CO.} Amount \$25,000

Bond No. 400CF 7948/15194 Date Approved 11-6-68

Permits covered by this bond:

477

~~421-501~~

519

807

CANCELLED
DATE 10-30-70

See file
#477 for
the original
copy of the
bond.

Union Oil and Gas Division: Northern Region

Union Oil Company of California
1860 Lincoln Street, Denver, Colorado 80203
Telephone (303) 266-3331

UNION

Joseph L. Wilson
Manager of Lands

September 21, 1970

Oil and Gas Conservation Commission
State of Arizona
1624 West Adams
Phoenix, Arizona

Attention: Mr. John Bannister

Re: Bond No. 400CF 7948/15194
Union Oil Company of California,
Principal

Gentlemen:

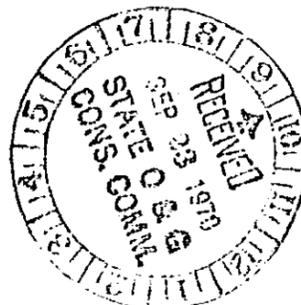
Reference is made to the subject bond, xerox copy attached, which, according to our records, expires on October 30, 1970. It is our desire to terminate this bond effective with the October 30 expiration. Accordingly, we shall appreciate your supplying the surety, St. Paul Fire & Marine Insurance Company, through their Chicago Agent, Moore, Case, Lyman & Hubbard, Inc., 175 West Jackson Boulevard, Chicago, Illinois, 60604 with an appropriate release of this bond, supplying this office with a copy of your release.

Thank you very much.

Very truly yours,


R. J. Morton
Supervisor of Leases

RJM:kh
Enclosure



PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. 400CF 7948/15194

That we: UNION OIL COMPANY OF CALIFORNIA

of the County of LOS ANGELES in the State of CALIFORNIA

as principal, and ST. PAUL FIRE AND MARINE INSURANCE COMPANY

of St. Paul, Minnesota

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of \$25,000.00 lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

BLANKET BOND

(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. §27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 30th day of OCTOBER, 1968

UNION OIL COMPANY OF CALIFORNIA

By: [Signature] VICE PRESIDENT

FORM APPROVED

WITNESS our hands and seals this 30th day of October, 1968

ST. PAUL FIRE AND MARINE INSURANCE COMPANY

By: Robert L. Gray Attorney-in-Fact

If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.

Approved Date 11/6/68 STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION By: John S. Zimmerman

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Bond File Two Copies Form No. 2 RECEIVED

Union Oil and Gas Division: Northern Region

Union Oil Company of California
P.O. Box 3372, Durango, Colorado 81301
Telephone (303) 247-4300

UNION 76



December 22, 1969

Mr. John Bannister
Executive Secretary
OIL & GAS CONSERVATION COMMISSION
State of Arizona
Rm. 202
1824 W. Adams
Phoenix, Arizona 85007

SUBJECT
UNION OIL COMPANY OF CALIFORNIA
Giant No. 1-M17
Sec. 17, T. 36N., R. 29E.
Apache County, Arizona

Dear Mr. Bannister:

Enclosed are the logs which were inadvertently left out of the envelope which I delivered to your office at the time of my recent visit. This should complete your log file on the Giant #1-M17 and the Lukachukai #1-N11.

Yours truly,

UNION OIL COMPANY OF CALIFORNIA

Clarence L. Harr
Clarence L. Harr
District Exploration Manager

CLH/mr

Enclosures: Giant No. 1-M17
(2) Sidewall Neutron Porosity Log
(2) Dual Induction-Laterolog
(2) Comp. Formation Density Log

X-Chase
519

December 18, 1969

Mr. Clarence L. Harr
Union Oil Company of California
P. O. Box 3372
Durango, Colorado 81301

Re: Union #1-17 Navajo (Giant No. 1-M17)
T36N, R29E, G & SRM
Sec. 17: SW/4 SW/4
Apache County
Our File #522

Union #1-11 Navajo (Lukachukai No. 1-N11)
T36N, R29E, G & SRM
Sec. 11: SE/4 SW/4
Apache County
Permit #319

Dear Mr. Harr:

Enclosed is a photocopy of a letter received in this office on December 16, 1969. This letter advised us that we were receiving two copies of each log run on the subject wells. Included with the letter were two copies of the logs run on the Lukachukai No. 1-N11 Well, but no logs on the Giant No. 1-M17 well. We are sure these logs must have been accidentally omitted when the package was made up. We would appreciate receiving copies of these logs on the Giant No. 1-M17 well at your earliest convenience.

Sincerely,

John Bannister
Executive Secretary

jd
Enc. (1)

Union Oil and Gas Division: Northern Region
Union Oil Company of California
P.O. Box 3372, Durango, Colorado 81301
Telephone (303) 247-4300



UNI 76 n

December 15, 1969

Mr. John Bannister
Executive Secretary
OIL & GAS CONSERVATION COMMISSION
State of Arizona
Rm. 202
1824 W. Adams
Phoenix, Arizona 85007

SUBJECT

UNION OIL COMPANY OF CALIFORNIA
Giant No. 1-M17

Sec. 17, T. 36N., R. 29E. → 522
Apache County, Arizona

and

UNION OIL COMPANY OF CALIFORNIA

Lukachukai No. 1-N11
Sec. 11, T. 36N., R. 29E. → 519
Apache County, Arizona

Dear Mr. Bannister:

Enclosed for your files are two (2) copies of each log run on the subject wells. Both wells were drilled as "tite holes" and we are requesting that all information including the logs be held confidential.

Yours truly,

UNION OIL COMPANY OF CALIFORNIA

Clarence L. Hart
Clarence L. Hart
District Exploration Manager

CLH/mr
Enclosures:

	<u>Giant No. 1-M17</u>		<u>Lukachukai No. 1-N11</u>
(2)	Sidewall Neutron Porosity	(2)	Sidewall Neutron Porosity
(2)	Dual Induction-Laterolog	(2)	Dual Induction-Laterolog
(2)	Comp. Formation Density	(2)	Comp. Formation Density (Run 1 and 2)

2 (Run 1)
2 (Run 2)
↓
↓

522

X-Chiano
X-Lambert

November 10, 1969

Mr. A. T. Mannon, Jr.
Union Oil Company
P. O. Box 1611
Casper, Wyoming 82601

Re: Union Oil Company #1-17 Navajo (2346)
T36N, R29E, G & SRM
Sec. 17: SW/4 SW/4
Apache County
Permit #522

Dear Mr. Mannon:

Enclosed is your approved Application for Permit to Drill, Receipt No. 2856, and the Permit To Drill. Also enclosed are miscellaneous instruction sheets pertaining to well samples and reports required by this office.

We would like to call to your attention that the well location footage on the Application for Permit to Drill does not agree with the location recorded on the Plat. Since we assume that the location given on the Application for Permit to Drill must be in error, this office issued the Permit To Drill in accordance with the certified location Plat.

Yours truly,

James A. Lambert
Administrative Assistant

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Enc. (4)

522

Union Oil Company of California
Post Office Box 1611, Casper, Wyoming 82601
Telephone (307) 234-1563

union 76

November 4, 1969

Arizona Oil and Gas Conservation Commission
Room 202
1624 West Adams
Phoenix, Arizona 85007

Re: Navajo Contract N00-C-14-20-2346 Tr. 119
Giant #1-M17
SW/4 SW/4, Section 17, T36N, R29E
Apache County, Arizona

Gentlemen:

Enclosed are Union Oil Company of California's application to drill the subject well. This well is being drilled as a "tight" hole and information on this well is requested to be held confidential.

Very truly yours,

Union Oil Company of California



A. T. Mannon, Jr.
District Drilling Superintendent

ATM:kj
Enc.



ENDORSEMENT OF CHECK WILL CONSTITUTE RECEIPT. NO OTHER ACKNOWLEDGMENT NECESSARY.
PLEASE DETACH BEFORE DEPOSITING CASH DISCOUNT TAKEN CHECK AMOUNT

FOR Drilling permit - Navajo Grant 1-M17, Apache County, Arizona \$25.00

