

CONFIDENTIAL

Release Date 5-6-70

P-W

UNION #111 NAVAJO
SE SW 11-36N-29E APACHE CO. 519

sl

COUNTY Apache AREA 2 mi SE/Cove LEASE NO. 14-20-0603-643 Navajo

WELL NAME Union #1^N Navajo

LOCATION SE SW SEC 11 TWP 36N RANGE 29E FOOTAGE 660' FSL 1656' FWL
STATUS P&A TOTAL
ELEV 7183 GR 7197 KB SPUD DATE 10-20-69 COMP. DATE 11-6-69 DEPTH 3896'

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
8 5/8	358'	220 SKS	NA	<input checked="" type="checkbox"/>
				DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <input type="checkbox"/>
				INITIAL PRODUCTION <u>P&A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Shinarump	735'	X	X	Telegraphic approval of change of location and permission to spud given 10-1-69.
DeChelly	897'			
Supai	1419'			
Hermosa	2578'			
Molas	3248'			
Red Well	3295'			
Ouray	3440'			
Elbert	3458			
McCracken	3621			
Aneth	3756			
Granite	3880			
Drif TD	3896			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG Am Strat
DIL - 4; FDL-3; NPL-4	NA	NA	SAMPLE DESCRP. SAMPLE NO. <u>1612</u> CORE ANALYSIS DSTs <u>1</u>

REMARKS _____

APP. TO PLUG
 PLUGGING REP.
 COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. St. Paul Fire & Marine Insurance Co. BOND NO. 400CF 7948/15194
 BOND AMT. \$ 25,000 CANCELLED 10-30-70 DATE May 1-69
 ORGANIZATION REPORT 11-1-69
 FILING RECEIPT 2853 LOC. PLAT WELL BOOK PLAT BOOK
 API NO. 02-001-20118 DATE ISSUED 10-7-69 DEDICATION Sw/4 Sec. 11

PERMIT NUMBER 579

(over)

CONFIDENTIAL
5-670
Release Date

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: 282-14-20-06-3-643 Well Number: 1-N11 Field & Reservoir: Wildcat

Location: 660' FSL and 1656' FWL County: Apache

Sec. TWP-Range or Block & Survey: Sec. 11, T36N, R29E SW/4

Date spudded: 10-20-69 Date total depth reached: 11-04-69 Date completed, ready to produce: Elevation (DF, RKB, RT or Gr.): 7197' KB Elevation of casing hd. flange: feet

Total depth: 3896' 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: Rotary tools used (Interval): 0-3896' Cable tools used (Interval):

Was this well directionally drilled? No Was directional survey made? 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; Sidewall Neutron; Porosity Date filed:

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	358'	220	-0-

TUBING RECORD

LINER RECORD

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

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'ated rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

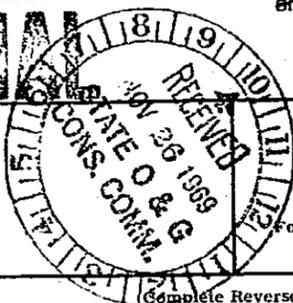
Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Drilling Superintendent 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: November 24, 1969

Signature: A. T. Mannon, Jr.

CONFIDENTIAL



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy

Permit No. 519

10-7-69

Form No. 4

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Hermosa	3095'	3200'	DST #1: ^{3095-3200'} TO 10 min.; SI 30 min.; TO 60 min.; SI 90 min. Tool opened with strong blow, continued throughout test. Recovered 20' mud. IHP 1501; IFP 320-373; ISIP 878; FFP 320-373; FSIP 878; FHP 1475; BHT 95 ^o . <i>non-flammable 1.5 MMCFG.</i>
Shinarump	735'		Plugged and abandoned. 3800-3550' - 100 sx. cement 3150-3050' - 40 sx. cement 2625-2525' - 40 sx. cement 850- 680' - 75 sx. cement 10 sx. cement plug at surface. Welded steel plate on top 8-5/8" OD casing and installed dry hole marker.
De Chelly	897'		
Supai	1419'		
Hermosa	2578'		
Molas	3248'		
Red Well	3295'		
Ouray	3440'		
Elbert	3458'		
McCracken	3621'		
Aneth	3756'		
Granite	3880'		
Drlr TD	3896'		

No core

* 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.

PLUGGING RECORD

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. 282-14-20-06-3-643		Well No. 1-N11	Field & Reservoir Wildcat
Location of Well 660' FSL and 1656' FWL - Section 11, T36N, R29E SW/4			Sec-Twp-Rge or Block & Survey Apache
Application to drill this well was filed in name of Union Oil Co. of California	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? Dry Hole	
Date plugged: November 6, 1969	Total depth 3896'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement
None			

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
8-5/8"	358'	-0-	358'		

Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water.

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail.

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 **November 14, 1969**

Date

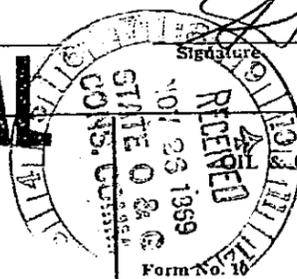
CONFIDENTIAL

Signature

A. T. Mannon, Jr.

STATE OF ARIZONA
GAS CONSERVATION COMMISSION

Plugging Record
File One Copy



Permit No. **519**

Form No. 10

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 282-14-20-06-3-643 WELL NO. 1-N11
 SURVEY T36N, R29E SECTION 11 COUNTY Apache
 LOCATION 660' FSL and 1656' FWL

TYPE OF WELL Dry Hole TOTAL DEPTH 3896'
 (Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) None
 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# K-55 casing set at 358' with 220 sacks Class "G" cement with 2% CaCl₂. None pulled.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Set cement plugs as follows: 100 sx. at 3800-3550'; 40 sx. at 3150-3050'; 40 sx. at 2625-2525'; 75 sx. at 850-680' and 10 sx. plug at surface. Welded steel cap on 8-5/8" casing and install Dry Hole Marker.

Confirming.

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 November 6, 1969

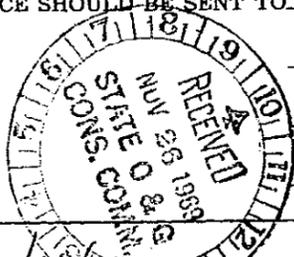
NAME OF PERSON DOING WORK Union Oil Co. of Calif. ADDRESS P. O. Box 1611, Casper, Wyo.

CORRESPONDENCE SHOULD BE SENT TO A. T. Mannon, Jr. ORIGINAL SIGNED BY A. T. MANNON JR.

Name A. T. Mannon, Jr. Title District Drilling Superintendent

Address P. O. Box 1611 - Casper, Wyoming 82601

Date November 14, 1969



Date Approved 11/28/69
 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. 579

CONFIDENTIAL

December 1, 1969

The following wells have been delivered to the
Cut. Union, #1-11 Navajo (M)
Sec. 11-36N-29E
Apache Co. Ariz. Permit # 519

Consolidated, #2-11 Navajo
Sec. 11-41N-23E
Apache Co. Ariz. Permit # 519

Jo Ratcliff
Permit # 519 Cut

X-chrono

November 5, 1969

Memo to Union #1-11 Navajo (643)
T36N, R29E, G & SRM
Sec. 11: SE/4 SW/4
Apache County
Permit #519

Memo from J. Scurlock

Telephone from Union this date. They asked for verbal permission to plug the captioned well. Total Depth 3896'.

Tops:	Shinarump	735'
	DeChelly	897'
	Supai	1419'
	Hermosa	2578'
	Molas	3248'
	Redwall (Mississippian)	3295'
	Devonian Ouray	3440'
	Elbert	3458'
	McCracken	3621'
	Anneth	3756'
	Granite	3880'
	Total Depth	3896'

No Cores taken. One DST taken in Hermosa: recovered 20' of mud plus 1 and one-half million feet gas (non-flammable).

Plugs:	3880' - 3550'
	3150' - 3050'
	2625' - 2525'
	850' - 680'

Plug at surface with marker.

This program has been approved by the USGS in Farmington.

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

Amended 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 282-14-20-06-3-643	Well number 1-N11	Elevation (ground) 7,183'
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: feet	
Number of acres in lease: 640	Number of wells on lease, including this well, completed in or drilling to this reservoir: (1) one	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address

Well location (give footage from section lines) 660' FSL and 1656' FWL	Section--township--range or block and survey Sec. 11; T.36N; R.29E NSM	Dedication (Comply with Rule 105) SW/4 Sec 11
Field and reservoir (if wildcat, so state) Wildcat	County Apache	

Distance, in miles, and direction from nearest town or post office
Approximately 2-1/2 miles southeast of Cove, Arizona.

Proposed depth: 3,800'	Rotary or cable tools Rotary	Approx. date work will start October 10, 1969
Bond Status on file	Organization Report On file X Or attached	Filing Fee of \$35.00 see receipt Attached #2853 dated 9/29/69.

Remarks: We propose to 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. Run Electric Logs. If productive complete using 5-1/2" casing and cement. Perforate and complete. Coring and Drill Stem Testing will be at discretion of well site geologist.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Drilling Supt. _____ of the Union Oil Co. 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.

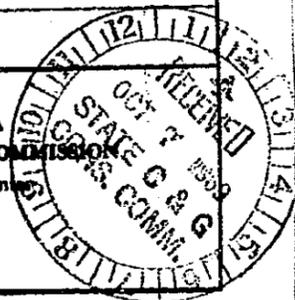
October 6, 1969
Date

Permit Number: 519
Approval Date: 10-7-69
Approved By: *John Bannister*

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

Form No. 3

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

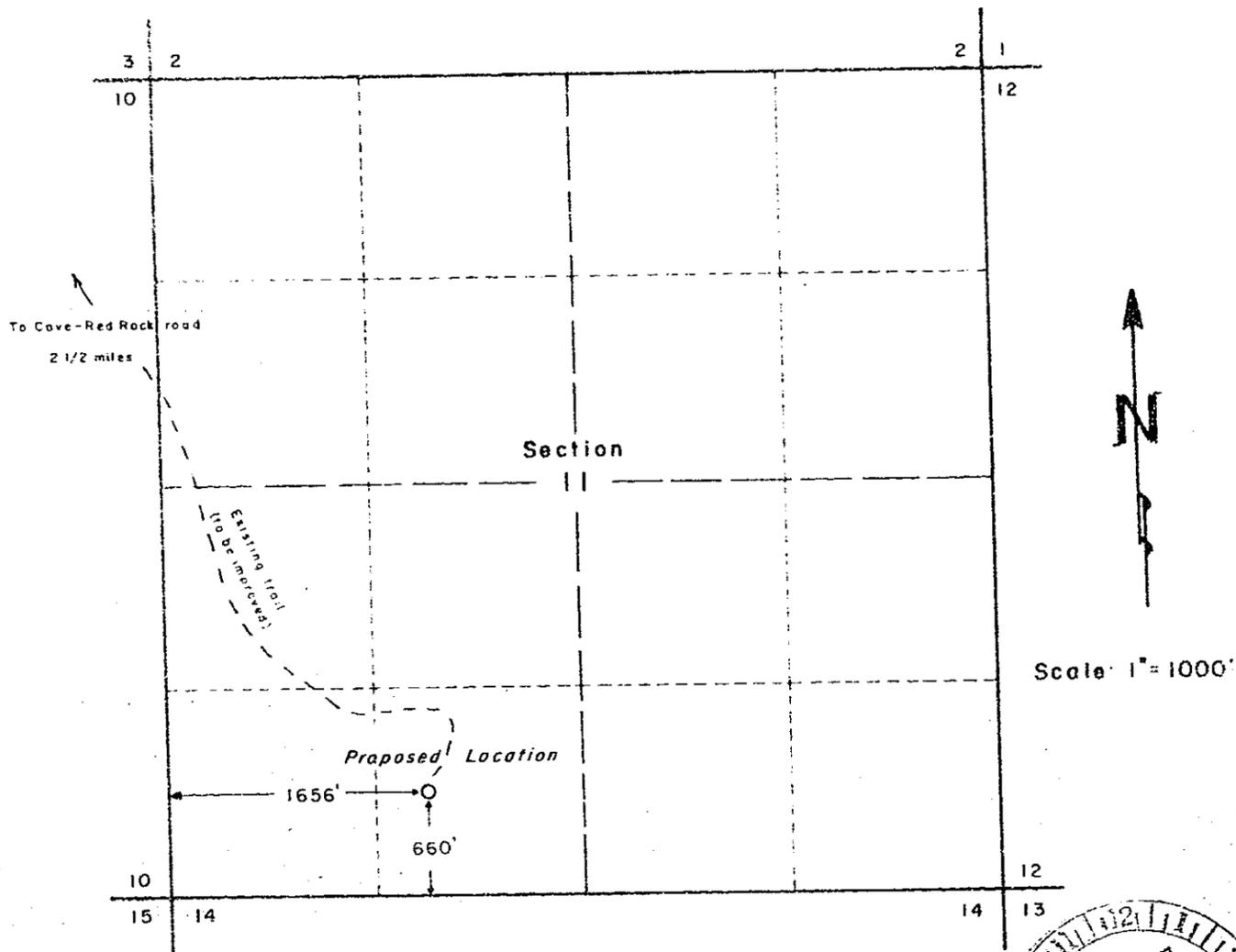


1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
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 or 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 Union Oil Company of California	Land Description Navajo 282-14-20-0603-643
Sec. 11; T.36N; R.29E NSM	
	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>A.T. Mannon, Jr.</i> Name A.T. Mannon, Jr. Position District Drilling Supt. Union Oil Co. of Calif. Company Date October 6, 1969</p> <p>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.</p> <p>Date Surveyed October 2, 1969 Registered Professional Engineer and/or Land Surveyor Frederick H. Reed Certificate No. 5313</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8-5/8	24	K-55	0	350	0-350	250
5-1/2	15.5	K-55	0	3,800		150



WELL LOCATION: Union Oil Company Lukachukai No. 1 - N

Located 660 feet North of the South line and 1656 feet East of the West line
 Township 36 North, Range 29 East, Gila & Salt River Meridian
 Apache Co., Arizona
 Existing ground elevation determined at 7183 feet based on U.S.B.I.A datum.



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
519
 FREDERICK H. REED
 Registered Land Surveyor
 State of Arizona * 5313



UNION OIL COMPANY Denver, Colorado	
WELL LOCATION PLAT SEC. 11, T. 36 N., R. 29 E., G. & S. R. M. Apache Co., Arizona	
CLARK-REED & ASSOC. Durango, Colorado	DATE: Oct. 2, 1969 FILE NO: 69066



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 #1-11 NAVAJO
(WELL NAME)

located 660' FSL - 1656' FVL

Section 11 Township 36N Range 29E, APACHE County, Arizona.

The 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 7th day of OCTOBER, 1989.

OIL AND GAS CONSERVATION COMMISSION

By John V. Bannister
EXECUTIVE SECRETARY

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.

PERMIT No 519

RECEIPT NO. 2853
API NUMBER 02-001-20118

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

7-25-96

Jim Murphy, Ryan Oil, Denver

- Examined DBK & conclude not a good flood candidate
- low ϕ + fractures. i.e. bypass oil in low ϕ zones of igneous etc.
- May not be enough volume of gas in McCracken to sufficiently pressure up reservoir for effective gas press. maintenance.

Unocal 1-11 Navajo, secw 11-36u-29e (519)

- DST zone @ 3095-3200 has IFP exactly = to FFP, seems odd.
- Any added data in our file?
looked + phone call to JRS indicates 1.5 mmcf, non-flamm.
- May account for good FP + such low recovery of mud, i.e. 20'.

I call George Covington, Sugarland, Texas 713-287-5332 + leave msg. ⁷⁻²⁵
no response

call Douglas Seyler, Expt. Team, Sugarland 713-287-7663 + leave msg 7-26

7/29/96 Keith McKee, Unocal calls - All files from that era + area have moved around several times. Some have gone to "deep storage" which is like a black hole. He will ck the files for the Navajo-N 1-11 file. My primary questions are (1) analysis of gas? (2) Why IFP + FFP are exactly the same.

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,

• F. E. Allen
Director, Enforcement Section

WEA:jd
cc: Union Oil Company
Denver, Colorado

Union Oil and Gas Division: Northern Region
Union Oil Company of California
1860 Lincoln Street, Denver, Colorado 80203
Telephone (303) 266-3331



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,

A handwritten signature in cursive script, appearing to read "R. J. Morton".

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]

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: [Signature] Attorney-in-Fact

Surety, Resident Arizona Agent (If issued in a state other than Arizona)

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 W. Bannister

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

Permit No. 488

x-Chaco
x-522

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 #519

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



UNION 76

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. Harr
Clarence L. Harr
District Exploration Manager

CLH/mr
Enclosures:

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

Lukachukai No. 1-N11
(2) Sidewall Neutron Porosity
(2) Dual Induction-Laterolog
(2) Comp. Formation Density
(Run 1 and 2)

2 (Run 1)
2 (Run 2) →
2 (Run 1)
2 (Run 2) →
2 ↓
2 ↓

X. Colson
X. Lambert

November 20, 1969

Mr. Harold Simpson
District Operations Manager
Union Oil Company of California
P. O. Box 1611
Casper, Wyoming 82601

Re: Union #1-11 Navajo (643)
T36N, R29E, G & SRM
Sec. 11: SE/4 SW/4
Apache County
Permit #519

Dear Mr. Simpson:

Our files indicate that you received verbal permission to plug the captioned well on November 5, 1969. Please complete and return the enclosed reports pertaining to this well.

Yours truly,

James A. Lambert
Administrative Assistant

jf
Enc.

519

X-Chen U

October 7, 1969

Mr. Harold Simpson
District Operations Manager
Union Oil Company of California
P. O. Box 1611
Casper, Wyoming 82601

Re: Union #1-11 Navajo (643)
T36N, R29E, G & SRM
Sec. 11: SE/4 SW/4
Apache County
Permit #519

Dear Mr. Simpson:

Enclosed is the approved Application for Permit to Drill covering the amended location, a copy of the amended plat, and our Permit to Drill No. 519.

Miscellaneous instruction sheets pertaining to samples and reports required by this office are also enclosed for your information.

We want to take this opportunity to thank you for your cooperation concerning our request for you to submit a corrected location.

Yours truly,

John Bannister
Executive Secretary

jf
Enc.

WU
WESTERN UNION

Telegram

203P PDT OCT 1 69 LB221 KA614
K CMA44 LJ PDB CASPER WYO 1 251P MDT *251P*
JAMES A LAMBERT, ADMIN ASSISTANT *1624 W. Adams*
OIL AND GAS CONSERVATION COM PHOENIX ARIZ *202*



~~WE ARE MOVING THE LOCATION OF OUR NAVAJO NBR 1-11 WELL TO~~
COMPLY WITH THE WELL SPACING ORDER COVERING SEC 11 T36N R29E
APACHE COUNTY ARIZ A NEW APPLICATION TO DRILL AND A PLATTE
SHOWING AN ~~EXTENDED~~ LOCATION IN THE SE1/4 SW1/4 SEC 11 WILL
BE SUBMITTED AS SOON AS THE GROUND SURVEY IS COMPLETED REQUEST
YOUR ATTENTATIVE APPROVAL OF OUR NEW APPLICATION SO THAT WE
MAY PROCEED WITH LOCATION PREPARATION WITHOUT DELAY YOURS
VERY TRULY

A T MANNON JR DISTRICT DRILLING SUPT UNION OIL CO OF CALIF

1-11 11 T36N R29E SE1/4 SW1/4 SEC 11
(255)6

2755161-712
251P MDT
S
E

SF-1201 (R5-69)

TELEGRAM RECEIVED BY TELEPHONE

S S E

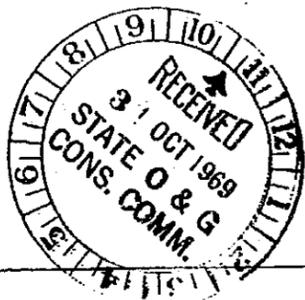
170 1969 OCT KC PM 5 47

A T MANON JR

~~DISTRICT~~ DISTRICT DRILLING SUPVR UNION OIL CO
OF CALIF FONE 307-234-1563

DATE	LS OCT 1 327PMM
CHECK	MIN NL PD B
TEL NO.	CFM FURN
DEPT N	CASPER WYO
SIGNATURE	
ADD	202 STATE OFFICE BLD 1624 WEST ADAMS 85007
SOCIAL REMINDER	
YES	NO

PENDING RECEIPT OF NEW APPLICATION TO DRILL, AND
LOCATION PLAT, PERMISSION IS GRANTED TO PROCEED WITH
UNION #1-11 NAVAJO (643) TO BE LOCATED WITHIN SE/4
SW/4 SEC 11 TOWNSHIP 36N RANGE 29E APACHE COUNTY ARIZ.



519

western union

Telegram

203P PDT OCT 1 69 LB221 KA614
K CMA44 LJ PDB CASPER WYO 1 251P MDT *251P*
JAMES A LAMBERT, ADMIN ASSISTANT *1624 W. Adams*
OIL AND GAS CONSERVATION COM PHOENIX ARIZ *m202*



~~WE ARE MOVING THE LOCATION OF OUR NAVAJO NBR 1-11 WELL TO~~
COMPLY WITH THE WELL SPACING ORDER COVERING SEC 11 T36N R29E
APACHE COUNTY ARIZ A NEW APPLICATION TO DRILL AND A PLATTE
SHOWING AN ~~OTHER~~ LOCATION IN THE SE1/4 SW1/4 SEC 11 WILL
BE SUBMITTED AS SOON AS THE GROUND SURVEY IS COMPLETED REQUEST
YOUR ATTENTATIVE APPROVAL OF OUR NEW APPLICATION SO THAT WE
MAY PROCEED WITH LOCATION PREPARATION WITHOUT DELAY YOURS
VERY TRULY

A T MANNON JR DISTRICT DRILLING SUPT UNION OIL CO OF CALIF

1-11 11 T36N R29E SE1/4 SW1/4 SEC 11
(255)6

271-5161-712
261-4701
S *233p*
E *mailed*

SF-1201 (R5-69)

TELEGRAM RECEIVED BY TELEPHONE

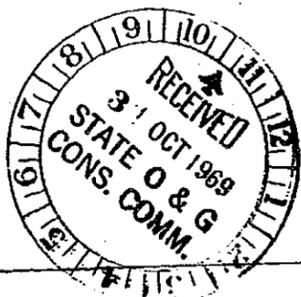
S S E

170 1969 OCT KC PM 5 47

A T MANON JR

~~DISTRICT~~ DISTRICT DRILLING SUPVR UNION OIL CO
OF CALIF FONE 307-234-1563

PENDING RECEIPT OF NEW APPLICATION TO DRILL, AND
LOCATION PLAT, PERMISSION IS GRANTED TO PROCEED WITH
UNION #1-11 NAVAJO (643) TO BE LOCATED WITHIN SE/4
SW/4 SEC 11 TOWNSHIP 36N RANGE 29E APACHE COUNTY ARIZ.



519

DATE	LS OCT 1 327PMM
CHECK	MIN NL PD B
TELE. NO.	CFM FURN
DEST. N.	CASPER WYO
SIGNATURE	
ADD.	OIL AND GAS CONSERVATION COMMISSION, JOHN BANNIS EXEC. SECTRY
NO.	202 STATE OFFICE BLDG 1624 WEST ADAMS 85007
SOCIAL REMINDER	
YES	NO

September 29, 1969

Mr. Harold Simpson
District Operations Manager
Union Oil Company of California
P.O. Box 1611
Casper, Wyoming 82601

Dear Mr. Simpson:

Enclosed is our Receipt No. 2853 covering a permit to be issued for the drilling of a well.

This morning I talked with you concerning the unorthodox location of your Union No. 1-11 Navajo (643) to be drilled in Section 11, Township 36 North, Range 29 East. I have posted photographs of the order that spells out the finite location of a well drilled in this section, township and range.

Should you be unable to submit new application for permit to drill with a new plat showing the location to be in the SE/4 or the NW/4 of a quarter section, we will expect to have application for hearing concerning unorthodox location in this office on or before October 3, 1969, in order to permit legal publication of notice for the commission meeting to be held October 15, 1969.

Yours truly,

James A. Lambert
Administrative Assistant

/vb

cc - Mr. Bob Massey

Enc.

TELEGRAM RECEIVED BY TELEPHONE

1969 OCT 1 PM 2 18

B-25253-8

10-1-69

CONFIRMATION WILL FOLLOW

TELEGRAM
10-1-69
CONFIRMATION WILL FOLLOW

WE ARE MOVING THE LOCATION OF OUR NAVAJO #1-11 WELL TO COMPLY WITH THE WELL SPACING ORDER COVERING SECTION 11 T36N R29E APACHE COUNTY ARIZONA. A NEW APPLICATION TO DRILL AND A PLATTE SHOWING AN ORTHODOX LOCATION IN THE SE 1/4 SW 1/4 SECTION 11 WILL BE SUBMITTED AS SOON AS THE GROUND SURVEY IS COMPLETED. REQUEST YOUR TENTATIVE APPROVAL OF OUR NEW APPLICATION SO THAT WE MAY PROCEED WITH LOCATION PREPARATION WITHOUT DELAY.

YOURS VERY TRULY

A. T. MANON JR.
DISTRICT DRILLING SUPERVISOR
UNION OIL CO OF CALIF
CASPER, WYOMING

TELEGRAM RECEIVED BY TELEPHONE S S E

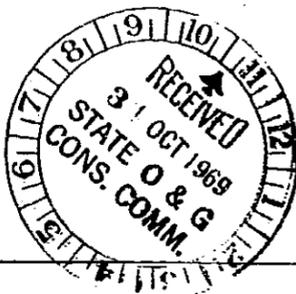
A T MANON JR

~~DISTRICT~~ DISTRICT DRILLING SUPVR UNION OIL CO
OF CALIF FONE 307-234-1563

PENDING RECEIPT OF NEW APPLICATION TO DRILL, AND LOCATION PLAT, PERMISSION IS GRANTED TO PROCEED WITH UNION #1-11 NAVAJO (643) TO BE LOCATED WITHIN SE/4

SW/4 SEC 11 TOWNSHIP 36N RANGE 29E APACHE COUNTY ARIZ. OIL AND GAS

DATE	LS OCT 1 327PMM
CHECK	MIN NL PD B
TELE. NO.	CFM FURN
DEPT. N.	CASPER WYO
SIGNATURE	
BUR.	202 STATE OFFICE BLDG 1624 WEST ADAMS 85007
SOCIAL REMINDER	
YES	NO



519

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

UNION 

September 24, 1969

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

Re: Navajo Contract
282-14-20-0603-643
Well Navajo No. 1-11M
SW SW Section 11, 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


Harold Simpson
District Operations Manager

TNM:kj
Attach.



519

519

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

FOR
Drilling permit - Lukachu #1 M-11
Apache County, Arizona

\$25.00

33-7/1020
#519

519

