

Release Date 12-26-65

CONFIDENTIAL

P-W

PURE OIL 1 SUN-TIDEWATER-NAV-103  
NE/4SE/4 S32-T38N-R30E 316  
Apache County

s1

COUNTY Apache AREA 41 mi W. Shiprock, NM LEASE NO. 14-20-0603-8427

WELL NAME PURE OIL 1 SUN-TIDEWATER-NAVAJO-103

LOCATION NE/4 SE/4 SEC 32 TWP 38N RANGE 30E FOOTAGE 1880 FSL & 660' FEL

ELEV 5910 GR 5919 DFKB 5922 KB Am Strat SPUD DATE 5-30-65 STATUS 6-26-65 TOTAL DEPTH 4404'  
4402' AM Strat COMP. DATE 6-26-65

CONTRACTOR \_\_\_\_\_

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>13 3/8</u>	<u>344</u>	<u>300 cu ft.</u>	<u>NA</u>	<u>x</u>
				DRILLED BY CABLE TOOL _____
				PRODUCTIVE RESERVOIR _____
				INITIAL PRODUCTION <u>P&amp;A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
SEE BACK				

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
<u>GRN, Sonic, Induc</u>	<u>NA</u>	<u>NA</u>	SAMPLE DESCRP. _____
			SAMPLE NO. <u>1369*</u>
			CORE ANALYSIS _____
			DSTs <u>x</u>
			*Tuc. 2052

REMARKS <u>Union Oil Co. is additional principal on bond.</u>	APP. TO PLUG <u>x</u>
	PLUGGING REP. <u>x</u>
	COMP. REPORT <u>x</u>

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. St. Paul Fire & Marine Ins. Co. BOND NO. 14957  
 BOND AMT. \$ 2,500 CANCELLED 9-4-65 DATE 9-19-63  
 FILING RECEIPT 9414 LOC. PLAT x WELL BOOK x PLAT BOOK x  
 API NO. \_\_\_\_\_ DATE ISSUED 5-12-65 DEDICATION E/2 SE/4

PERMIT NUMBER 316  
 Release Date 12-26-65  
 (over)

**CONFIDENTIAL**

316  
ARIZONA  
APACHE CO.  
WILDCAT (W)



Petroleum Information Corp.  
Denver, Colorado  
© 1966 All Rights Reserved

Twp 38n-30e  
Section 32  
ne se  
1980 n/s 660 w/e

OPR: Pure Oil

WELL #: 1 Pure-Sun-Tidewater-Navajo, Tract 103

ELEV: 5919 DF

DSTS. & CORES:

SPUD: 5-30-65 COMPL: 6-27-65

TOPS: Log-Example

No cores. DST 3750-3930, SI  
30 mins. open 1 hr, SI 1 hr,  
rec 50 mud, FP 57-57#, SIP  
643-50#, HP 1807-1807#.

TD: 4404 PB:

CSG: 13-3/8" @ 344 w/300

DeChelly 770  
Organ Rock 1330  
Cedar Mesa 1815  
Hermosa 2527  
Molas 3602  
Mississippian 3696  
Ouray 3886  
Elbert 3932

PERF:

PROD. ZONE:

INIT. PROD: D&A.

Contr: Arapahoe

Dropped from report 3-10-66

ARIZ2-662170

316  
ARIZONA  
APACHE CO.  
WILDCAT (W)



Petroleum Information Corp.  
Denver, Colorado  
© 1966 All Rights Reserved

Twp 38n-30e  
Section 32  
ne se  
1980 n/s 660 w/e

OPR: Pure Oil

WELL #: 1 Pure-Sun-Tidewater-Navajo, Tract 103

ELEV:	DSTS. & CORES:	SPUD:	COMPL:
TOPS: Log-Sample		TD:	PB:
		CSG:	
		PERF:	
		PROD. ZONE:	
		INIT. PROD:	D&A. (Tight hole).

4400 preCambrian test

Contr:

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ3-665130

## 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: **The Pure Oil Company** Address: **P. O. Box 3372, Durango, Colorado**

Federal, State or Indian Lease Number or name of lessor if fee lease: **14-20-0603-8427 Navajo** Well Number: **1** Field & Reservoir: **Wildcat**

Location: **1980' FSL & 660' FEL** County: **Apache**

Sec. TWP-Range or Block & Survey: **Sec. 32, T-38N., R-30E.**

Date spudded: **5/30/65** Date total depth reached: **6/25/65** Date completed, ready to produce: \_\_\_\_\_ Elevation (DF, RKB, RT or Gr.): **5919' DF.** Elevation of casing hd. flange: **5910** feet

Total depth: **1440'** 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: **None** Rotary tools used (interval): **0 - 1440'** Cable tools used (interval): \_\_\_\_\_

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

Type of electrical or other logs run (check logs filed with the commission): **Gamma Ray - Neutron** Date filed: \_\_\_\_\_  
**Gamma Ray - Sonic with Caliper, Dual Induction Laterolog**

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	17 1/2"	13-3/8" OD	48#	344'	300 cu. ft. 50/50 pozmix 2% Gal & 2% CaCl	None

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	Am't. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production: \_\_\_\_\_ 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)

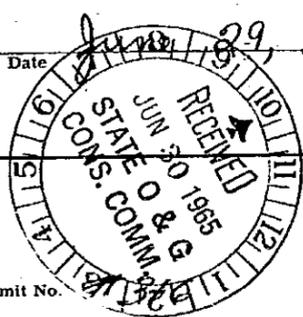
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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 \_\_\_\_\_ of the \_\_\_\_\_ (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: **June 29, 1965**

Signature: *J. Prather*  
Durango Dist. Cpl. Mg.



CONFIDENTIAL

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*
Triassic Ginle	Surface	770	Varicolored shale w/ beds of sandstone & limestone.
Permian DeChelly	770	1330	White to red medium-grained sandstone.
Organ Rock	1330	1815	Varicolored shale with little siltstone & sandstone.
Cedar Mesa	1815	2546	Varicolored shale & siltstone.
Pennsylvanian Hermosa	2546	3602	Gray & brown limestone w/ shale interbeds: little dolomite.
Molas	3602	3696	Varicolored siltstone & shale becoming sandstone at base.
Mississippian Redwall	3696	3886	White & gray limestone becoming dolomite at base.
Devonian Ouray	3886	3932	White, gray & green limestone w/ little shale, mostly green.
Elbert	3932		White to gray & green limestone & dolomite, some shale.
Upper Sill (Laramide ?)	3996	4118	Biotite - quartz felsite porphyry.
Lower Sill (Laramide ?)	4214	Total Depth	Biotite - quartz felsite porphyry.
Total Depth	4404		

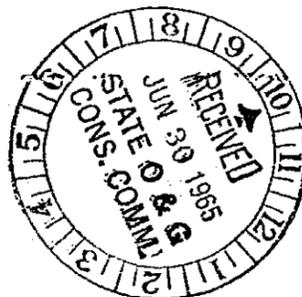
**CONFIDENTIAL** ←

Drill Stem Test #1 (Redwall & Ouray), 3750 - 3930 (180'): Open on initial 5 min. flow with very weak blow increasing to weak blow at end of 5 min. Closed in 30 min. Open for 60 min. Flow test with fair blow from bottom of 5 gal. bucket - remained constant throughout test. Closed in for 60 min. closed in pressure.

Initial Hydrostatic	1810
5 min flow IFP 28	FFP 28
30 min shut in SIP 643	
60 min flow IFP 42	FFP 42
60 min shut in SIP 507	
Final Hydrostatic	1810

Recovered 50 feet of drilling mud.

**CONFIDENTIAL**



\* 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.

CONFIDENTIAL

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator The Pure Oil Company, P. O. Box 3372, Durango, Colorado

2. OIL WELL  GAS WELL  OTHER  (Specify) Dry Hole

3. Well Name Pure - Sun - Tidewater Navajo Tract 103 Well No. 1

Location 1980' FSL & 660' FEL, NE SE

Sec. 32 Twp. 38N Rge. 30E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo Tribal 11-80-0603-8427

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input checked="" type="checkbox"/>

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

7. 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.)

Drilled out from under 344' of 13-3/8" O.D., 48#, H-40 casing at 4:30 P.M. 6/1/65.  
 Drilled 8-3/4" hole from base of 13-3/8" casing to Total Depth of 4404' on 6/25/65.  
 Ran Gamma Ray - Neutron, Gamma Ray - Sonic with Caliper, Dual Induction Laterolog on 6/25/65 and 6/26/65. Ran one Drill Stem Test 3750' to 3930'. Recovered 50' of drilling mud, 6/26/65. Set following plugs on 6/26/65: 3750' - 3600' with 60 sacks cement; 2600' - 2500' with 40 sacks cement, 800' - 700' with 40 sacks cement; 5' - 0 with 10 sacks cement. Installed dry hole marker 6/27/65. Released rig 1:30 A.M. 6/27/65. Received verbal permission to plug and abandon from Mr. John Bannister, Arizona Oil & Gas Conservation Commission on 6/25/65 and from Mr. P. T. McGrath, U.S.G.S. on 6/26/65. FINAL

CONFIDENTIAL



6-29-65  
 This will serve in lieu of  
 Applic to Plug & Plugging Report  
 J.B.

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

Signed O. E. Prather  
 O. E. Prather

Title Dst. Exploration Mgr. Date June 28, 1965

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies  
 Form No. 25

Permit No. 7316

CONFIDENTIAL

Release Date \_\_\_\_\_

Pure dal #1 Navajo

# 316

TD 4400'

Methane gas show  
miss

will plug

Verbal approval

6-25-65

JB

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator The Pure Oil Company, P. O. Box 3372, Durango, Colorado  
 2. OIL WELL  GAS WELL  OTHER  (Specify) Drilling Well  
 3. Well Name PURE-SUN-TIDEWATER NAVAJO TRACT 103 WELL NO. 1  
 Location 1980' FSL & 660' FEL, NE SE  
 Sec. 32 Twp. 38N Rge. 30E County Apache Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo Tribal 14-20-0603-8427  
 5. Field or Pool Name Wildcat

CONFIDENTIAL

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

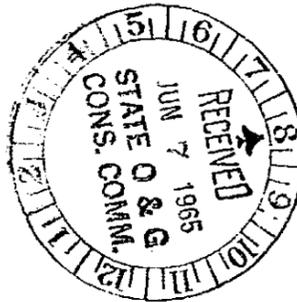
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Supplemental Well History</u>	ABANDONMENT <input checked="" type="checkbox"/>

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

7. 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 6:00 A.M. May 30, 1965. Drilled 12-1/4" hole to 350'. Reamed to 17-1/2" to 345'. On May 31, 1965 set 12 joints of 13-3/8" O.D. 48# H-40, 8 round S.T. & C. with 4 centralizers spaced as follows: One in middle of top joint, one in top of 3rd joint, one in top of 5th joint, and one in top of 7th joint. Cement with 300 cu. ft. 50/50 Pozmix with 2% gel and 2% CaCl. Plugged down at 4:30 P.M. 5/31/65. Good returns to surface with 5 bbls excess.

CONFIDENTIAL



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

Signed O. E. Prather Title Dist. Exploration Mgr Date 6/3/65

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Type Copies  
 Form No. 25

Permit No. 316

CONFIDENTIAL

Release Date \_\_\_\_\_

**CONFIDENTIAL**

PURE - SUN - TIDEWATER NAVAJO TRACT 103 WELL NO. 1

To get to the location:

- 1 - Go south of Shiprock, New Mexico on U.S. 666 for 7 miles and turn west (right) on gravel road to Red Rock Trading Post and Cove, Arizona.
- 2 - Travel 21 miles on main gravel road (keep right at reservoir sign) and take right at fork in the road. Red Rock Trading Post is to the left.
- 3 - Travel .3 miles and take left fork in road toward Cove on Indian Road 33.
- 4 - Travel 7 miles and turn right on dirt road. This is just past a small 10' x 10', red top building. (Bus stop shelter). There is a house approximately 1/2 mile to the north.
- 5 - 0.7 miles to Cove Wash with stream of water. Stay on main road.
- 6 - Travel 3 miles (From No. 4) to fork in road and take right. (Concrete bench marker in road fork)
- 7 - Go approximately 1-1/2 miles to Black Horse Creek. Looks like plenty of water. Go up hill at this point. There are two houses on top of hill going toward Black Rock.
- 8 - Go approximately 1 mile to fork in road and take north (left).
- 9 - Travel approximately 1.3 miles to location on north (left) of Black Rock.

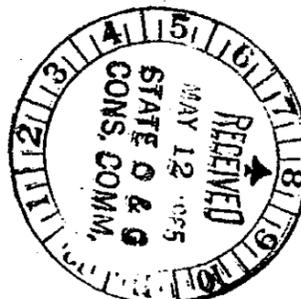
NOTE: From Shiprock to location is 41 miles. Itemized miles total 43. Tenths of miles were not included in breakdown.

**CONFIDENTIAL**

Release Date \_\_\_\_\_

316

**CONFIDENTIAL**



**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL  DEEPEN  PLUG BACK

NAME OF COMPANY OR OPERATOR

DATE

The Pure Oil Company

May 3, 1965

Address

City

State

P. O. Box 1611 -

Casper

Wyoming

DESCRIPTION OF WELL AND LEASE

Name of lease

Well number

Elevation (ground)

Pure-Sun-Tidewater Navajo Tract 103

1

5,910'

Well location

(give footage from section lines)

Section—township—range or block & survey

1,980' FSL and 660' FEL

Sec. 32, T-38N, R-30E

Field & reservoir (if wildcat, so state)

County

Wildcat

Apache

Distance, in miles, and direction from nearest town or post office

4.1 miles west of Shiprock, New Mexico

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

Proposed depth:

4,400'

Rotary or cable tools

Rotary

Approx. date work will start

June 10, 1965

Number of acres in lease:

2,551 acres, more or less

Number of wells on lease, including this well, completed in or drilling to this reservoir:

None

If lease, purchased with one or more wells drilled, from whom purchased:

Name

Address

Status of bond

Applied for. Will be mailed later.

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

This well is being drilled as a "Tight Hole". It is respectfully requested that no information on the location or the well, be released without permission of the Operator. Propose to drill a 4,400' Pre-Cambrian test with rotary tools and drilling mud as necessary. Plan to set approximately 300' of 13-3/8" surface casing and drill 8-3/4" hole to TD. If water flow is encountered in the De Chelly, will ream and set 9-5/8" casing to shut off the water and proceed with 8-3/4" hole. No coring of this well is contemplated.

Designation of Operator has been requested from Sun and Tidewater.

\* Fill in Proposed Casing Program on other side

**CONFIDENTIAL**

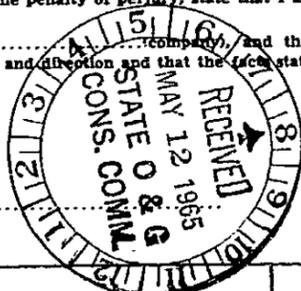
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Office Manager of the

Pure Oil 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**

Release Date May 3, 1965



Signature

*R. E. Davis*  
R. E. Davis

Permit Number: 316

Approval Date: May 12, 1965

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.

See Instruction on Reverse Side of Form

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Effective Feb. 28, 1962.

**INSTRUCTIONS**  
**READ CAREFULLY AND COMPLY FULLY**

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

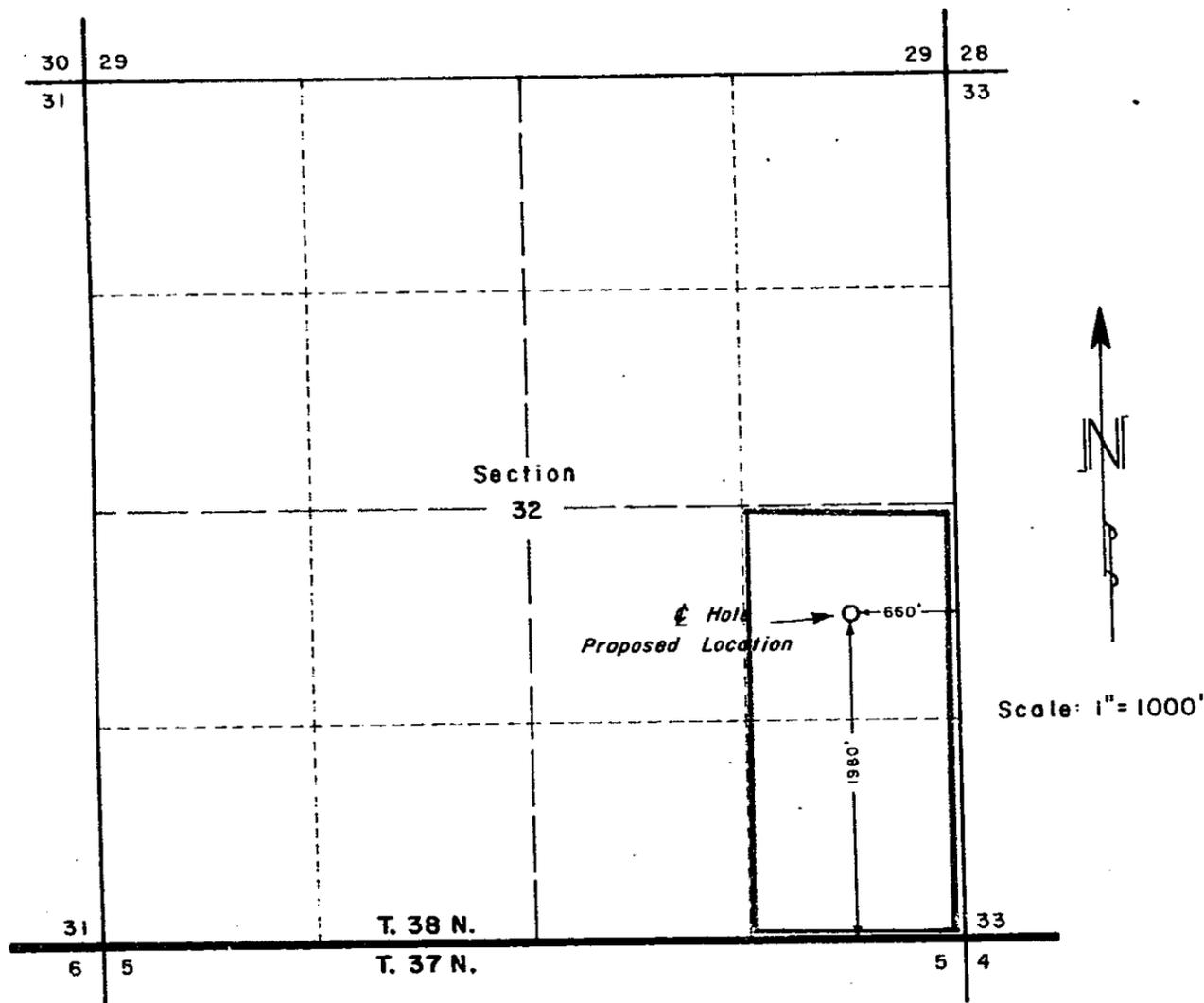
In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
20"	65#	J-55	0'	30'	If needed	To surface
13-3/8"	48#	H-40 SS	0'	300'		To surface
9-5/8"	36#	J-55 SS	0'	?	If needed	To surface
5-1/2"	11#	J-55 SS	0'	4400'		With sufficient cement to meet conditions encountered.



**WELL LOCATION: Pure - Sun - Tidewater - Navajo #1 - Tract 103**

Located 1980 feet North of the South line and 660 feet West of the East line of Section 32,  
 Township 38 North, Range 30 East, Gila & Salt River Meridian.  
 Apache Co., Arizona  
 Existing ground elevation determined at 5910 feet based on U.S.G.S. datum.

**CONFIDENTIAL**

Release

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



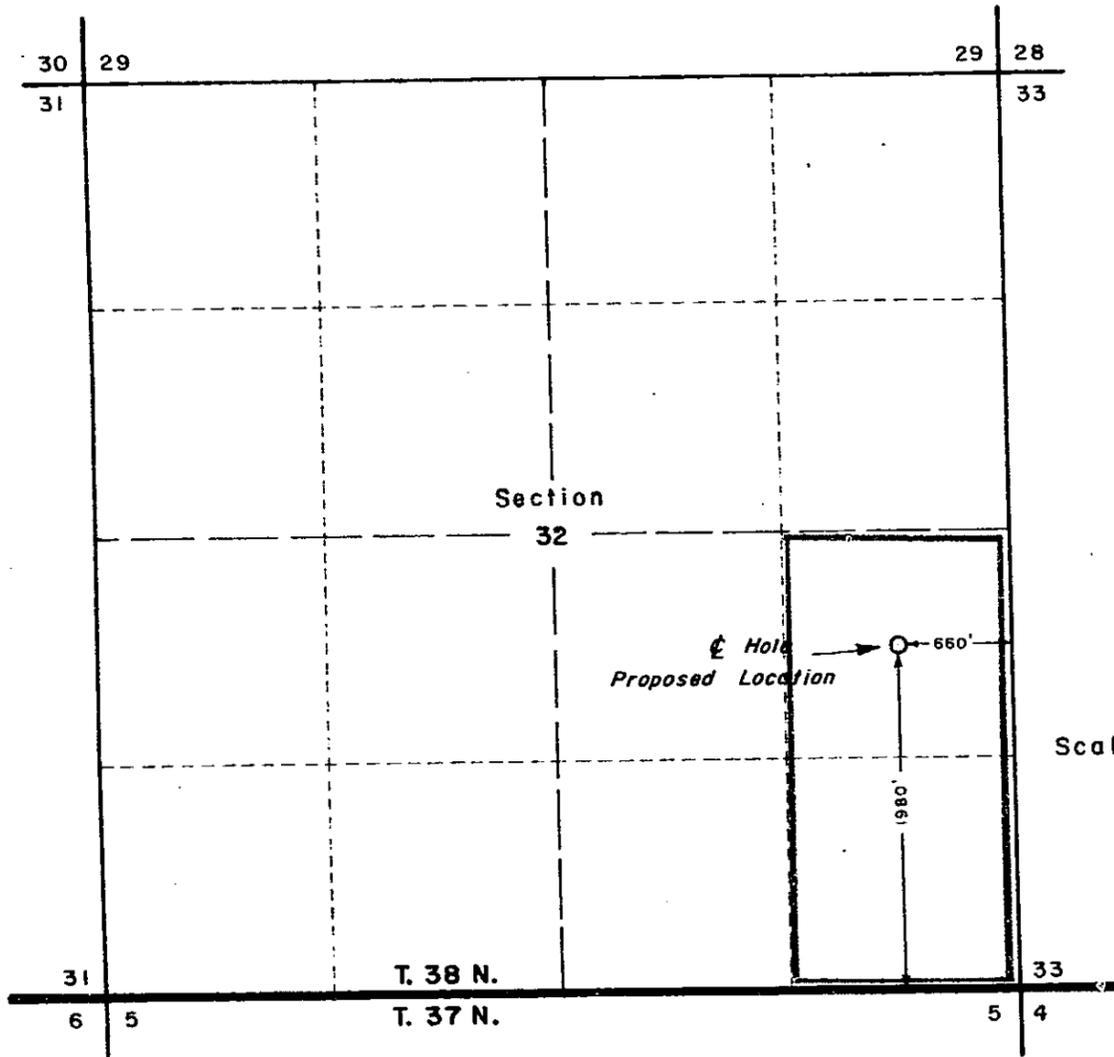
**CONFIDENTIAL**

**PURE-SUN-TIDEWATER**

**WELL LOCATION PLAT**  
 Sec. 32, T. 38 N., R. 30 E.  
 Apache Co., Arizona

ARK-REED & ASSOC.  
 Durango, Colorado

DATE April 9, 1965  
 FILE NO. 65025



**WELL LOCATION: Pure - Sun - Tidewater - Navajo # 1 - Tract 103**

Located 1980 feet North of the South line and 660 feet West of the East line of Section 32,  
 Township 38 North, Range 30 East, Gila & Salt River Meridian.  
 Apache Co., Arizona  
 Existing ground elevation determined at 5910 feet based on U.S.G.S. datum.

**CONFIDENTIAL**

Release: 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



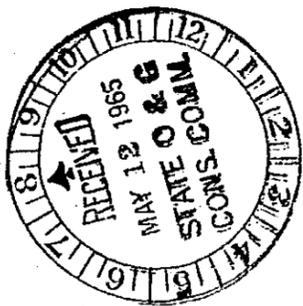
**CONFIDENTIAL**

**PURE - SUN - TIDEWATER**

**WELL LOCATION PLAT**  
 Sec. 32, T. 38 N., R. 30 E.  
 Apache Co., Arizona

ARK - REED & ASSOC.  
 Durango, Colorado

DATE April 9, 1985  
 FILE NO. 65025





Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**  
416 W. Congress, Suite 100  
Tucson, Arizona 85701  
(520) 770-3500



Larry D. Fellows  
Director and State Geologist

June 8, 2001

Mr. Melvin Badonie  
Navajo Nation Dept of Water Resources  
P. O. Box 678  
Fort Defiance AZ 86504

*file p/n 316*

Dear Mel:

I have enclosed information from the three wells you called about this morning. The information includes, where available, the plugging and completion reports, application to plug, and a copy of the wireline and lithologic logs.

*316*

There is a lithologic, induction electric, gamma ray-neutron, and sonic-gamma ray log for the Pure Oil #1 Navajo well in se 32-38n-30e. There is an induction electric and sonic-gamma ray log for the Kerr McGee #10 Navajo well in ne 30-36n-30e. The #10 Navajo originally produced oil, then, when the oil production rate got to low to be economic, it was converted to a produced-water disposal well. There is a gamma ray-sonic, induction electric, microlog, and density log for the Kerr-McGee #1 Navajo-E well in se 20-36n-30e. The #1 Navajo-E was drilled originally as a dry hole and plugged, then, it was re-entered and used for a time as a produced-water disposal well. It is now plugged and abandoned.

Sincerely,

*Steve*

Steven L. Rauzi  
Oil & Gas Administrator

Enclosures

BOND

KNOW ALL MEN BY THESE PRESENTS,

#14927

That we: PURE OIL COMPANY

of the County of: Franklin in the State of: Ohio

as Principal, and ST. PAUL FIRE & MARINE INSURANCE CO.

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 in the penal sum as indicated, 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 condition of this obligation is 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:

Section 32-38, R30E, Apache County, Arizona - Pure-Sun-Tidewater, Navajo Tract #103,  
(May be used as blanket bond or for single well) Well #1

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the State Land Commissioner, 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 State Land Commissioner all notices and records required by said Commissioner, 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, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of TWO THOUSAND FIVE HUNDRED AND NO/100

Witness our hands and seals, this 4th day of May 1965

PURE OIL COMPANY  
By: J. W. Luckett Jr. J. W. LUCKETT, JR., AGENT & ATTORNEY-IN-FACT  
Principal

Witness our hands and seals, this 4th day of May 1965

ST. PAUL FIRE & MARINE INSURANCE CO.  
By: Marguerite Lathen Marguerite Lathen Surety  
Attorney-in-fact

**CANCELLED**

DATE 7-21-65  
(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 May 17, 1965 Date John Bannister  
STATE LAND COMMISSIONER

STATE LAND COMMISSIONER  
OIL & GAS CONSERVATION COMMISSION  
STATE OF ARIZONA  
1624 WEST ADAMS - SUITE 202  
TELEPHONE: 271-3181  
PHOENIX, ARIZONA, 85007



RECEIVED  
MAY 10 1965  
STATE O & G  
CONS. COMM.

206

Class 1

(A Capital Stock Company)

**CERTIFIED COPY OF POWER OF ATTORNEY**  
Original on File at Home Office of Company. See Certification.

FIDELITY AND SURETY  
DEPARTMENT

**ST. PAUL  
FIRE and MARINE**  
*Insurance Company*  
HOME OFFICE: ST. PAUL, MINNESOTA

KNOW ALL MEN BY THESE PRESENTS: That the St. Paul Fire and Marine Insurance Company, a corporation organized and existing under the laws of the State of Minnesota, and having its principal office in the City of Saint Paul, Minnesota, does hereby constitute and appoint

Marguerite Lathen  
3424 N. Central Avenue  
Phoenix, Arizona

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said St. Paul Fire and Marine Insurance Company, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be certified to and may be revoked, pursuant to and by authority of Article V, -Section 8, of the By-Laws adopted by the Board of Directors of the St. Paul Fire and Marine Insurance Company at a meeting called and held on the 17th day of January, 1952, of which the following is a true transcript of said Section 8:

- "The President or any Vice President, Resident Vice President, Secretary or Resident Secretary, shall have power and authority
- (1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and
  - (2) To appoint Special Attorneys-in-fact, who are hereby authorized to certify to copies of any power-of-attorney issued in pursuance of this section and/or any of the By-Laws of the Company, and
  - (3) To remove, at any time, any such Attorney-in-fact or Special Attorney-in-fact and revoke the authority given him."

IN TESTIMONY WHEREOF, the St. Paul Fire and Marine Insurance Company has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 16th day of December A. D. 19 63



STATE OF MINNESOTA  
County of Ramsey } ss.

ST. PAUL FIRE AND MARINE INSURANCE COMPANY

*M. Lathen*  
Vice President.

On this 16th day of December 19 63 before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said that he is the therein described and authorized officer of the St. Paul Fire and Marine Insurance Company; that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.



IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Saint Paul, Minnesota, the day and year first above written.

*C. L. Jaeger*

C. L. JAEGER  
Notary Public, Ramsey County, Minn.  
My Commission Expires June 2, 1967.

**CERTIFICATION**

I, the undersigned officer of the St. Paul Fire and Marine Insurance Company, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, with the ORIGINALS ON FILE IN THE HOME OFFICE OF SAID COMPANY, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_\_

*Alfred A. [Signature]*  
Secretary.

\*Unlimited as to character and amount.  
10869 Rev. 6-60

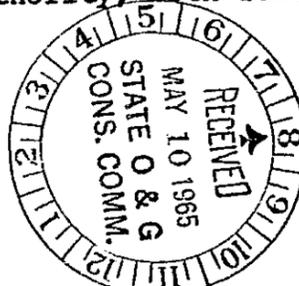


POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE PURE OIL COMPANY, an Ohio corporation, hereby names, constitutes and appoints J. W. LUCKETT, JR., Division Manager of the Northern Producing Division, to act as the true, sufficient and lawful agent and attorney for the Company, and in its name, place and stead, and in its behalf, said J. W. LUCKETT, JR. is hereby empowered generally to do all things necessary in the operation and maintenance of the properties and business of the Company in its Northern Producing Division, which Division consists of the States of Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming, including the lands within said States that are owned or controlled by the United States, or any agency thereof, or by any of the aforesaid States or any political subdivision or agency of said States, and also including all lands extending seaward from the boundaries of the above enumerated States.

Without limiting the generality of the foregoing, the said J. W. LUCKETT, JR. is empowered in the name of the Company to make and agree upon and to accept, receive, execute and deliver leases for oil, gas and/or other minerals and other purposes, and to execute and deliver assignments of such leases and cancellations and releases thereof and reconveyances of lands covered by leases for oil, gas and/or other minerals and other purposes; to execute and deliver division orders, transfer orders, sales orders and all other contracts, instruments and documents necessary or convenient in connection with or pertaining to the running of oil from producing leases or the sale of oil; to execute and deliver assignments for pipe line rights-of-way, tank sites or pump stations over or on the lands of this Company; to execute and accept easements of all kinds in favor of this Company; to execute and deliver all contracts, options and documents necessary in the operation and maintenance of the properties of this Company in the Northern Producing Division; to make, execute and deliver all legal papers and documents in connection with any litigation or legal proceedings in which this Company is interested as a party or otherwise, including affidavits, bonds, complaints, petitions, answers, motions and petitions for removal of cases to United States courts and the requisite bonds; to execute and deliver instruments of consent, contracts, agreements and any and all other documents necessary or convenient in connection with the obtaining, maintaining, validating or amending of any leases for oil, gas and/or other minerals and other purposes covering or affecting lands in the Northern Producing Division of the Company owned or controlled by the United States, or any agency thereof, or by any of the States in said Northern Producing Division, or any political subdivision thereof, and to make, execute and deliver to any governmental agency, board or authority, both federal



and state, any certificate, application, report, document, bonds or other paper which may be necessary or proper in the conduct of the business or maintenance and operation of properties in the Northern Producing Division, including execution and delivery of all applications for permits or authority to locate and drill oil or gas wells in public waters or on public lands of the above enumerated States or of the United States and all required papers of every character and all affidavits and bonds necessary to be executed and delivered to all authorities of such States and the United States in connection with drilling and operating wells on public lands, it being intended that all powers herein granted shall extend to the "lands beneath navigable waters" of each aforesaid State, as that term is used and defined in the Submerged Lands Act, and to the "outer continental shelf," as that term is used and defined in the Outer Continental Shelf Lands Act; and to execute and deliver all such other contracts, options, agreements and documents and to do such other acts and things as may be proper or necessary, directly or indirectly, in the development, maintenance and operation of the properties and business of the Company in the Northern Producing Division.

With respect to all Federal oil and gas lease offers, leases, extension, assignments, options, agreements, licenses, permits, working interests, royalty rights, bids, undertakings, documents and other instruments necessary or advisable under the Act of February 25, 1920 (41 Stat. 437, 30 U.S.C. sec. 181), August 7, 1947 (61 Stat. 91, 30 U.S.C. secs. 351 to 359), and May 21, 1930 (46 Stat. 373, 30 U.S.C. secs. 301-306), and amendments thereto, and regulations thereunder, the said J. W. LUCKETT, JR. is hereby granted authority on behalf of and as attorney in fact for the Company to file offers to lease for the sole and exclusive benefit of the Company and not in behalf of any other person, firm, corporation or any other legal entity, in whole or in part, and he is hereby granted specific authority to execute all statements of interest and of holdings in behalf of the Company and to execute all other statements required, or which may be required, by the Acts and all amendments thereto and the regulations, and the Company hereby agrees to be bound by such representations of said attorney in fact and waives any and all defenses which may be available to the Company to contest, negate or disaffirm the actions of said attorney in fact under this power of attorney.

This power of attorney is to become effective as of November 23, 1964.

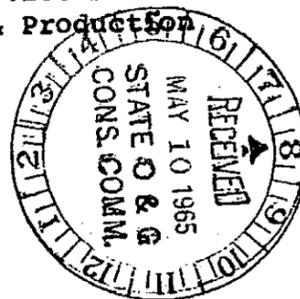
IN TESTIMONY WHEREOF, THE PURE OIL COMPANY has caused this instrument to be duly executed and its corporate seal to be hereunto affixed this 23rd day of November, 1964.

THE PURE OIL COMPANY

By R. H. Rantala  
R. H. Rantala, Vice President  
Exploration & Production



J. P. LaCroix  
J. P. LaCroix, Assistant Secretary



STATE OF ILLINOIS )  
 ) SS.  
COUNTY OF C O O K )

I, Francis E. Murray, a Notary Public in and for said Cook County in the State aforesaid, do hereby certify that R. H. RANTALA and J. P. LaCROIX, who are personally known to me to be the same persons whose names are subscribed to the foregoing Power of Attorney as having executed the same, respectively, as Vice President, Exploration and Production, and Assistant Secretary of THE PURE OIL COMPANY, a corporation organized and now existing under the laws of the State of Ohio, and who are known to me to be such officers, respectively, appeared before me this day in person, and, being by me duly sworn, did severally acknowledge that the seal affixed to the foregoing Power of Attorney is the corporate seal of said corporation, that the same was thereunto affixed by the authority of said corporation, that said Power of Attorney was by like authority subscribed with its corporate name, that the said R. H. Rantala is the Vice President, Exploration and Production, of said corporation, and the said J. P. LaCroix is the Assistant Secretary thereof, that by the authority of said corporation and its Board of Directors they respectively subscribed their names thereto as the Vice President, Exploration and Production and Assistant Secretary, and that they signed, sealed and delivered the said Power of Attorney as their free and voluntary act and deed, and as the free and voluntary act and deed of said corporation, for the uses and purposes therein set forth, and as the act of said corporation.

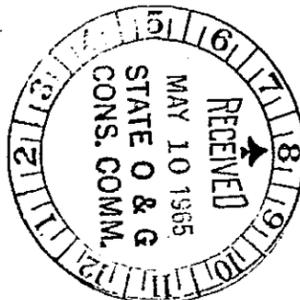
GIVEN under my hand and notarial seal this 23rd day of November, 1964.



Francis E. Murray  
Notary Public.

My Commission Expires:

December 4 1965



50th YEAR



**THE PURE OIL COMPANY**

GENERAL OFFICE  
200 EAST GOLF ROAD

AREA CODE 312-529-7700  
PALATINE, ILLINOIS 60067

J. P. LeCROIX  
Services Manager  
Producing Division

July 16, 1965

Arizona Oil & Gas Conservation Commission  
Room 202  
1624 W. Adams  
Phoenix, Arizona

Attention: Mr. Jim Scurlock  
State Geologist

Subject: St. Paul Fire & Marine Insurance Company Blanket  
Surety Bond No. 14957, Pure-Sun-Tidewater, Navajo  
Tract #103, Well #1, Section 32-38, R30E,  
Apache County, Arizona

Gentlemen:

Enclosed herewith please find consentive surety endorsement to subject  
bond for the purpose of including Union Oil Company of California as an addi-  
tional principal.

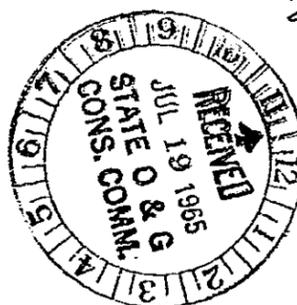
Please attach same to bond now in your possession.

Yours very truly,

*J. O. Rathbun*

3/6

JPLaC/as  
CC: Union Oil Company of California  
Attention: Mr. H. Rathbun



CONSENT OF SURETY TO INCLUDE ADDITIONAL PRINCIPAL

It is hereby understood and agreed that effective the 16th day  
of July, 1965, the Principal on this bond, number <sup>14957</sup> 400BF9289,  
in favor of State of Arizona

is amended to include the UNION OIL COMPANY OF CALIFORNIA as an  
additional principal.

ST. PAUL FIRE AND MARINE INSURANCE COMPANY

Marie E. Emerson

Marie E. Emerson - Attorney-in-Fact

3/6

September 21, 1965

The Pure Oil Company  
1700 Broadway  
Denver, Colorado 80202

Attention: Mr. F.J. Schwartz

Re: Pure-Sun-Tidewater #1 Navajo 103 well  
NE/48E/4 32-38N-30E, Apache County, Arizona  
File 316

St. Paul Fire & Marine Insurance Co. Bond 14937

Gentlemen:

This will acknowledge receipt of your letter dated September 16, 1965 concerning captioned well and bond.

This well has been completed and plugged and abandoned in full accordance with our Rules and Regulations. This letter will constitute the permission of this Commission to cancel captioned bond effective September 1, 1965.

If we may be of further help, will you please advise.

Yours very truly,

John Bannister  
Executive Secretary  
BT

cc: St. Paul Fire & Marine Insurance Co.  
St. Paul, Minnesota



**THE PURE OIL COMPANY**

NORTHERN PRODUCING DIVISION AMherst 6-3331  
1700 BROADWAY DENVER, COLORADO 80202

A DIVISION OF UNION OIL COMPANY OF CALIFORNIA

September 16, 1965

Oil & Gas Conservation Commission  
State of Arizona  
Room 202  
1624 West Adams  
Phoenix, Arizona 85007



Attention: Mr. John Bannister, Executive Secretary

Dear Sir:

We refer you to your File 316 covering the Pure-Sun-Tidewater well in NE/4 SE/4 Section 32 - 38N - 30E Apache County, Arizona. Since The Pure Oil Company completed this well and same has now been satisfactorily plugged and abandoned, we request that the single well bond #14957 in the amount of \$2,500.00 (St. Paul Fire & Marine Insurance Co.) be released.

Thank you for your cooperation.

Yours very truly,

  
F. J. Schwartz  
Division Accountant

FJS:ef

#316

August 30, 1965

Union Oil Company of California  
1700 Broadway  
Denver, Colorado 80202

Attention: Mr. J.W. Lockett, Jr., Attorney-in-fact

Gentlemen:

This will acknowledge receipt of your letter of August 10, 1965 concerning the merger of the Pure Oil Company into Union Oil Company of California.

We have checked our records and find that we do need an Organization Report covering Union Oil Company of California. For your convenience we are enclosing two copies of this form. Only the original need be filed with this office.

This filing will satisfy the necessary report on your company and need only be kept up to date. Until such time as a material change occurs in your organization no further reports need be filed.

As you are aware, Pure Oil Company has completed the Pure-Sun-Tidewater well located in NE/4SE/4 32-39N-30E, Apache County, Arizona, our File 316. In accordance with our Rules and Regulations Pure Oil Company furnished us with Bond #14957, in the amount of \$2,500, wherein St. Paul Fire and Marine Insurance Company is surety. Later Pure Oil Company added Union Oil Company of California as principal on this bond. This bond covers only this one well.

Inasmuch as the well has been plugged and abandoned in accordance with our Rules and Regulations, this bond may be released upon request.

If we may be of any further service to you, please advise.

Yours very truly,

John Mansister  
Executive Secretary  
mj  
enc

3/6

50th YEAR



**THE PURE OIL COMPANY**

NORTHERN PRODUCING DIVISION • DISTRICT EXPLORATION  
P. O. BOX 3372 • DURANGO, COLORADO 81302 • AREA CODE 303-247-4300

A DIVISION OF UNION OIL COMPANY OF CALIFORNIA

August 6, 1965

Mr. John Bannister  
Executive Secretary  
O & G Conservation Commission  
State of Arizona  
Room 202  
1624 W. Adams  
Phoenix, Arizona

Re: Pure-Sun-Tidewater  
Navajo Tract 103 Well #1  
32-38N-30E  
Apache County, Arizona  
Permit 316

Dear Mr. Bannister:

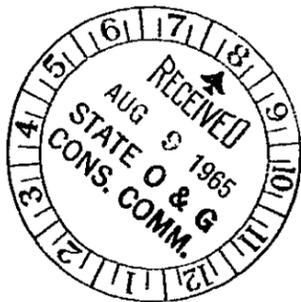
Enclosed for your files are the logs on the captioned well requested in your letter of August 4, 1965. Other required forms and reports were mailed at a previous date. This should then complete the required information.

The above captioned well is considered a "Tite Hole", therefore the logs and other data are to remain confidential.

Yours truly,

THE PURE OIL COMPANY  
A DIVISION OF UNION OIL  
COMPANY OF CALIFORNIA

Clarence L. Harr  
Durango District Geologist



CLH/mr

Enclosures:

One (1) copy each: Dual Induction-Laterolog  
Sonic Log-Gamma Ray  
Gamma Ray-Neutron

August 4, 1965

The Pure Oil Company  
P.O. Box 3372  
Durango, Colorado

Attention: Mr. O.E. Prather

Re: Pure-Sun-Tidewater #1 Navajo Tract 103 well  
NE SE 32-38N-30E, Apache County, Arizona  
Permit 316

Gentlemen:

Captioned well was completed June 26, 1965 and the Well Completion Report was received June 26, 1965. However, copies of the logs did not accompany this report, nor have we received them in the interim.

Will you please file copies of the logs at your earliest convenience.

All information furnished us is being kept confidential in compliance with your request.

Yours very truly,

John Bannister  
Executive Secretary  
nr

50th YEAR



**THE PURE OIL COMPANY**

NORTHERN PRODUCING DIVISION • DISTRICT OPERATIONS  
P. O. BOX 1611 • CASPER, WYOMING 82602 • AREA CODE 307-234-1565

May 17, 1965

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

Attn: Mr. John Bannister, Executive Secretary

Dear Mr. Bannister:

In reference to your letter of May 12, 1965, concerning the Pure - Sun - Tidewater Navajo Tract 103 Well No. 1, NE SE, Section 32, T-38N, R-30E, Apache County, Arizona, please be advised that the Navajo Tribal Lease No. is 14-20-0603-8427.

The dedication for spacing requirements, E/2 of the SE/4, as outlined in your letter is satisfactory.

Yours very truly,

THE PURE OIL COMPANY

R. E. Davis  
District Office Manager

RED:js

316

May 12, 1965

The Pure Oil Company  
P.O. Box 1611  
Casper, Wyoming 82602

Attention: Mr. R.E. Davis, District Office Manager

Re: Pure-Sun-Tidewater #1 Navajo Tract 103  
NE/4SE/4 S32-T38N-R30E, Apache County, Arizona  
Permit 316

Gentlemen:

Enclosed is an approved copy of your Application for Permit to Drill captioned well, and Receipt 9414 for the filing fee.

Your letter of May 3 requested that all information on both the location and the drilling operations be kept confidential. The Application is, by law, public information. All other information, as you requested, will be kept confidential for a period of six months from the date of completion of the well. (Incidentally, Petroleum Information report of May 7, which we received before we had any word from you, contained location information on this well.)

We do need the number of your Navajo lease. Would you please give us this at your earliest convenience.

Neither your Application or the plat showed the dedication to this well for spacing requirements. Therefore, we have indicated the  $\frac{2}{2}$  of the SE/4 to be the dedication. If this is unsatisfactory, please let us know.

We are enclosing a copy of the current Rules and Regulations for your information.

Also enclosed is a supply of Form 25, Sundry Notices and Reports on Wells. This report should be submitted monthly.

We should be notified when a well is spudded, when it is being logged or tested, if operations are being suspended for any reason, etc., whether or not any of these coincide with the above monthly report.

The Pure Oil Company

Page 2

May 12, 1965

Please be assured that we are extremely interested in the success of your operations. If this office may be of assistance to you at any time, do not hesitate to contact us.

Yours very truly,

John Bannister  
Executive Secretary

mr  
enc

50th YEAR



**THE PURE OIL COMPANY**

NORTHERN PRODUCING DIVISION • DISTRICT OPERATIONS  
P. O. BOX 1611 • CASPER, WYOMING 82602 • AREA CODE 307-234-1565

May 6, 1965

State of Arizona  
Oil & Gas Conservation Commission  
Attn: Mr. Jim Scurlock  
Suite 221  
3500 North Central Avenue  
Phoenix, Arizona

Dear Mr. Scurlock:

Reference our letter of May 3, 1965 which accompanied the "Application to Drill" the Pure - Sun - Tidewater Navajo Tract 103 Well No. 1, Sec. 32, T-38N, R-30E, Apache County, Arizona.

Attached please find the bond in the amount of Twenty-Five Hundred Dollars (\$2,500.00) issued by the St. Paul Fire & Marine Insurance Co. and a copy of the Power of Attorney for Mr. J. W. Lockett, Jr., Division Manager of the Northern Producing Division of The Pure Oil Company.

If further information is needed to obtain approval to drill this well please advise.

Yours very truly,

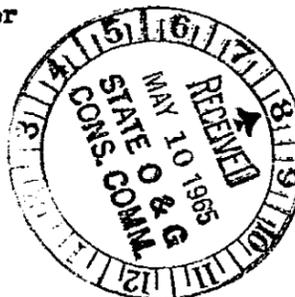
THE PURE OIL COMPANY

*R. E. Davis*

R. E. Davis  
District Office Manager

RED:js

Attach:



**CONFIDENTIAL**

CONFIDENTIAL

50th YEAR



**THE PURE OIL COMPANY**

NORTHERN PRODUCING DIVISION • DISTRICT OPERATIONS  
P. O. BOX 1611 • CASPER, WYOMING 82602 • AREA CODE 307-234-1565

May 3, 1965

State of Arizona  
Oil & Gas Conservation Commission  
Attn: Mr. Jim Scurlock  
Suite 221  
3500 North Central Avenue  
Phoenix, Arizona

Dear Mr. Scurlock:

Enclosed please find "Application to Drill" the Pure - Sun - Tidewater Navajo Tract 103 Well No. 1, located in the NE SW, Sec. 32, T-38N, R-30E, Apache County, Arizona. Also enclosed are location plats, memorandum for locating the well and The Pure Oil Company check number 7317 for \$25.00.

This well is to be drilled as an extremely "Tight Hole" and it is respectfully requested that all information on both the location and the drilling of the well be held "Confidential."

Application for the \$2,500.00 bond was made this date and will be forwarded immediately upon receipt.

Your cooperation in keeping this well "Confidential" will be greatly appreciated. If information is released on this well by the Operator your office will be promptly notified.

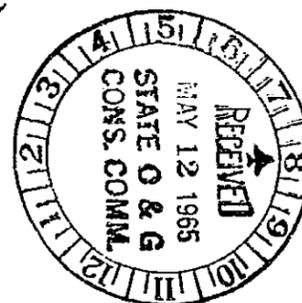
Yours very truly,

THE PURE OIL COMPANY

*R. E. Davis*

R. E. Davis  
District Office Manager

RED:js



CONFIDENTIAL