

CONFIDENTIAL

Release Date 11-10-70



PM

UNION TEXAS #1-14 NAVAJO 534
SW NW 14-6N-10W APACHE CO.

sl

COUNTY Apache AREA 6 mi. N.Chinle LEASE NO. N00-C-14-20-2587

WELL NAME Union Texas Petroleum #1-14 Navajo
LOCATION SW NW 5765 SEC 14 TWP 6N RANGE 10W FOOTAGE 660' FWL 1980' FNL
ELEV 5760-63 GR 5774-77 KB SPUD DATE 5-4-70 STATUS P&A TOTAL
COMP. DATE 5-16-70 DEPTH 3101'

CONTRACTOR Loffland Brothers
CASING SIZE 8 5/8" DEPTH 238 CEMENT 180 Sks LINER SIZE & DEPTH NA DRILLED BY ROTARY X
DRILLED BY CABLE TOOL _____
PRODUCTIVE RESERVOIR _____
INITIAL PRODUCTION Dry hole

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
DeChelly	216	X	X	Sandstone - possible water bearing
Hermosa	2250'			Limestone
Mojas	2410'			Siltstone
Mississippian	2550'			Limestone
Elbert	2643			Dolomite
McCracken	2815			Shale
Aneth	2950			Dolomite
Cambrian	3035			Vari-colored sandstone & siltstone
Pre-Cambrian	3090			Granite, pink

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG AM Strat
SNP (2) IES (2) BHC (2)	NA	NA	SAMPLE DESCRP.
Am Strat			SAMPLE NO. <u>4 Connors/622</u>
			CORE ANALYSIS
			DSTs

REMARKS _____ APP. TO PLUG X
PLUGGING REP. X
COMP. REPORT X

WATER WELL ACCEPTED BY _____
BOND CO. Travelers Indemnity BOND NO. 1579945
DATE _____ ORGANIZATION REPORT 1-16-70
BOND AMT. \$ 25,000 CANCELLED _____ WELL BOOK X PLAT BOOK X
FILING RECEIPT 2868 LOC. PLAT X DEDICATION SW/2 NW/4
API NO. 02-001-20129 DATE ISSUED 4-27-70

PERMIT NUMBER 534

CONFIDENTIAL
Release Date 11-16-70

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 Texas Petroleum, A Division of Allied Chemical Corporation		Address Suite 1010, 1860 Lincoln Street Denver, Colorado 80203	
Federal, State or Indian Lease Number or name of lessor if fee lease Navajo NOG-C-14-20-2587		Well Number 1-14	Field & Reservoir Wildcat
Location SW NW (1980' FNL, 660' FWL)		County Apache	
Sec. TWP-Range or Block & Survey Section 14-T6N-R10W			
Date spudded 5/4/70	Date total depth reached 5/15/70	Date completed, ready to produce --	Elevation (DF, REB, RT or Gr.) 5777 KB feet
Total depth 3101	P.B.T.D. 1000	Single, dual or triple completion? --	Elevation of casing hd. flange feet
Producing interval (s) for this completion --		Rotary tools used (Interval) Surface to TD	Cable tools used (Interval) No
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) IES, SNP, Borehole Compensated Sonic Log - Gamma Ray			Date filed All logs to be filed later

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#	238	180 + 2% cc	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 PLUGGED AND ABANDONED		Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): MAY 16, 1970				
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 Production Manager of the Union Texas Petroleum (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 May 28, 1970 Signature [Handwritten Signature]



Permit No. 534	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log File One Copy Form No. 4
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DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
DeChelly	216	1035	Sandstone - possible water bearing.
Hermosa	2250	2410	Limestone, white, gray, dense, sandy, chert inclusions; interbedded brown, orange & purple siltstone.
Molas	2410	2550	Vari-colored siltstone w/interbedded gray limestone & gray siltstone.
Mississippian	2550	2643	Limestone, light gray, dense, loc. oolitic.
Elbert	2643	2815	Dolomite, light gray, tan, lavender, very finely crystalline, loc. sandy; interbedded vari-colored siltstone.
McCracken	2815	2950	Vari-colored shale and siltstone w/thin gray, green & white sandstone w/loc. poor porosity.
Aneth	2950	3035	Dolomite, dense to vf xln, gray, tan, pink, poor to loc. fair porosity.
Cambrian	3035	3090	Vari-colored sandstone and siltstone.
Pre-Cambrian	3090	3101	Granite, pink.

DST #1: 2813-2959. Preflow 5 min., ISI 64 min., TO 65 min., FSI 80 min. Preflow opened w/ fair flow, increased to strong in 3 min. Flow period opened w/strong blow. Measured non flammable gas at 615 MCFGD w/pitot tube. Mud to surface in 22 min. Flowed salt water by heads remainder of test. Recovered 840' salt water - 33,000 parts per million. Resistivity - .08 at 84°. IHP 1353, FHP 1254, IFP 140, FFP 450, ISIP 943, FSIP 950.

* 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.

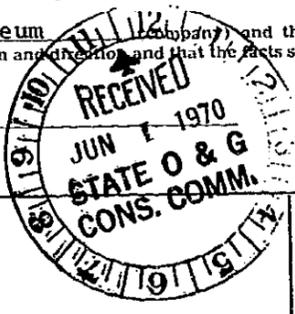
INSTRUCTIONS:

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 Texas Petroleum, A Division of Allied Chemical Corporation		Address Suite 1010, 1860 Lincoln Street Denver, Colorado 80203			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. NOO-C-14-20-2587		Well No. 1-14	Field & Reservoir Wildcat		
Location of Well SW NW (1980' FNL, 660' FWL)		Sec-Twp-Rge or Block & Survey Section 14-T6N-R10W NSM	County Apache		
Application to drill this well was filed in name of Union Texas Petroleum, A Division of Allied Chem. Corp.		Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) -- Gas (MCF/day) -- Dry? Yes		
Date plugged: May 17, 1970	Total depth 3101	Amount well producing when plugged: Oil (bbls/day) None Gas (MCF/day) None Water (bbls/day) None			
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"	224	None	224	N/A	Guide shoe on bottom
Was well filled with mud-laden fluid, according to regulations? Yes - below 1000 feet			Indicate deepest formation containing fresh water. DeChelly 216-1035		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
Same as operator					
<p>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.</p> <p>PBTD of 1000'; Cato Sells of Navajo tribe requested hole be left open through the DeChelly for possible water well.</p> <p>Use reverse side for additional detail.</p>					
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Production Manager of the Union Texas Petroleum (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.</p>					
Date May 28, 1970	Signature <i>W. L. Dixon</i>				
	<p>STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy</p>				
Permit No. 534	Form No. 10				



APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
OPERATOR Union Texas Petroleum, A Division of Allied Chemical Corporation
ADDRESS Suite 1010, 1860 Lincoln Street, Denver, Colorado 80203
FEDERAL, STATE, OR INDIAN LEASE NUMBER NOO-C-14-20-2587
WELL NO. Navajo #1-14
SURVEY N.S.M. SECTION 14 COUNTY Apache
LOCATION SW NW Section 14-T6N-R10W (1980' FNL, 660' FWL)

TYPE OF WELL Dry hole (Oil, Gas or Dry Hole) TOTAL DEPTH 3101
ALLOWABLE (If Assigned)
LAST PRODUCTION TEST OIL (Bbls.) WATER (Bbls.)
GAS (MCF) DATE OF TEST
PRODUCING HORIZON PRODUCING FROM TO

1. COMPLETE CASING RECORD
224 ft. 8-5/8" 24# J-55 seamless casing set at 238' KB and cemented with 180 sx Class A cement with 2% calcium chloride. Good cement returns; pipe was not pulled. Cato Sells of Navajo tribe requested hole be left open above 1000' for possible water well.

2. FULL DETAILS OF PROPOSED PLAN OF WORK
Spot cement plugs as follows; regular cement: 2750-2950 - 60 sx
2200-2300 - 30 sx
1000-1100 - 30 sx
Total 120 sx

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 May 17, 1970
NAME OF PERSON DOING WORK T. W. Adair, Jr. ADDRESS 875 Delaware Denver, Colorado 80204
CORRESPONDENCE SHOULD BE SENT TO Mr. W. L. Hixon District Production Manager
Union Texas Petroleum
Suite 1010, 1860 Lincoln Street, Denver, Colorado 80203
Date May 28, 1970



Date Approved
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
By:

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

Permit No. 534

5

May 21, 1970

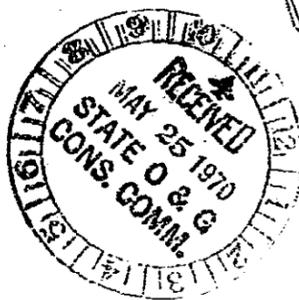
Samples have been received on the following well,
but are being held Tite.

Union Texas Petr,
#1-14 Navajo
Sec.14-6N-10W
Apache Co. Ariz.

Four Corners Sample Cut

Jo Ratcliff

534



6 534

May 11, 1970

Memo to File #534
Union Texas #1-14 Navajo
SW/4 NW/4 Sec. 14-T6N-R10W
Apache County

From J. Scurlock

Ground elevation is 5763'. Spud date is 5-4-70. Bud Underwood well-logging unit is on location manned by Mr. Slick Kennedy and Mr. John Bircher. Contractor is Loffland Brothers (Rig #20). Geologist on location is Mr. Harold Brown of Farmington.

Well has an air strip on location. Crews are being flown out from Farmington. Operation is using three crews, 12 hours on and 24 hours off.

Size of drill pipe is 4-1/2". Kelly bushing is 5776'. Set 8-5/8" casing at 238' with 180 sacks of Class A cement, 2% CaCO₃. Cement was circulated. They are currently drilling with mud at 8.9 weight and 33 viscosity. They are drilling with Bit #4, size of hole is 7-7/8". Present drilling depth is 1400'.

Top of the Desert Creek is 215'.
Top of the Organ Rock is 1025'.

This is to be a tight hole.

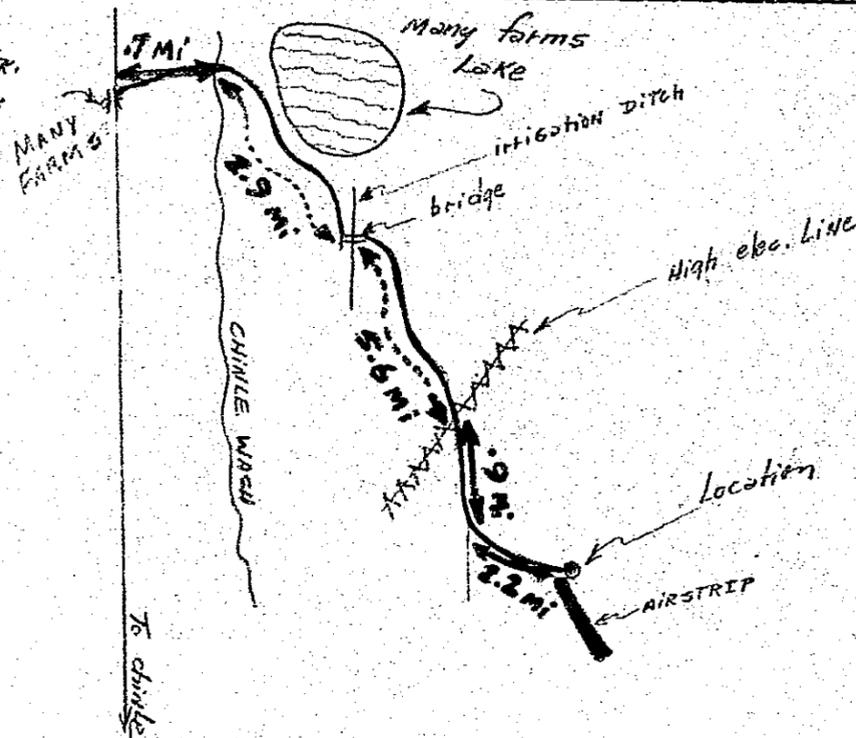
7534

WELL SITE CHECK

Contractor LOFFLAND Rig # 20 Person(s) Contacted By *[Signature]* Date 5-8-70
 Spud date 5-1-70 Geologist HAROLD BROWN
 Type Rig Rotary Cable Present Operations DRILLING 1400
 Samples _____
 Pipe Set 8 5/8 @ 238 W / 180 SK. Drilling with Air Mud Weight 8.9 Vis 33
 Water Zones _____ Size Hole 7 7/8
 Lost Circ. Zones _____ Size Drill Pipe 4 1/2"
 Formation Tops _____ Type Bit _____
 Cores, Logs, DST _____ No. Bit 4 Drilling Rate _____
 Formation ORGAN ROCK
 Crews USING THREE CREWS; FLYING FROM FARMINGTON; 12 HRS ON 24 HRS OFF Lithology _____

REMARKS, PHOTO, MAP

Elev 5763 GR.
5776 KB
Tops:
DeChelly 215
Organ Rock 1025



WELL NAME Union Texas Pet 1-14 Navajo (2587)

Permit No. 534
Confidential: Yes No

DESIGNATION OF OPERATOR

The undersigned is the record holder of Lease:
(Number or name of lease and description of entire lease acreage)

NOO-C-14-20-2587

and hereby designates

Name: Union Texas Petroleum, A Division of Allied Chemical Corporation

Address: Suite 1010, 1860 Lincoln Street, Denver, Colorado 80203

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and all regulations, whether Federal, Indian, State, or local, applicable thereto and on whom may be served written or oral instructions in securing compliance with all the applicable lease terms, and rules and regulations of the Oil and Gas conservations Commission, State of Arizona, with respect to:

(Describe only the acreage to which this designation applies)

Township 6 North, Range 10 West, N.S.M.
Sections 13, 14, 23 and 24
Containing 2560 acres, more or less, Apache County, Arizona

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and with all the applicable rules and regulations of the Oil and Gas Conservation Commission, State of Arizona. It is understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the record holder of the lease remains primarily responsible for and will make full and prompt compliance with all applicable lease terms, the rules and regulations of the Oil and Gas Conservation Commission, State of Arizona, or orders of other appropriate regulatory governmental agencies.

The lessee agrees promptly to notify all proper authorities and appropriate regulatory governmental agencies on any change in the designated operator.

The designated operator agrees to promptly notify all proper authorities of any change of his address during the period in which this designation of operator is in force.

April 20, 1970
(Date)

April 20, 1970
(Date)

Thomas E. Congdon

Lessee

Union Texas Petroleum, A Division of Allied
Chemical Corporation

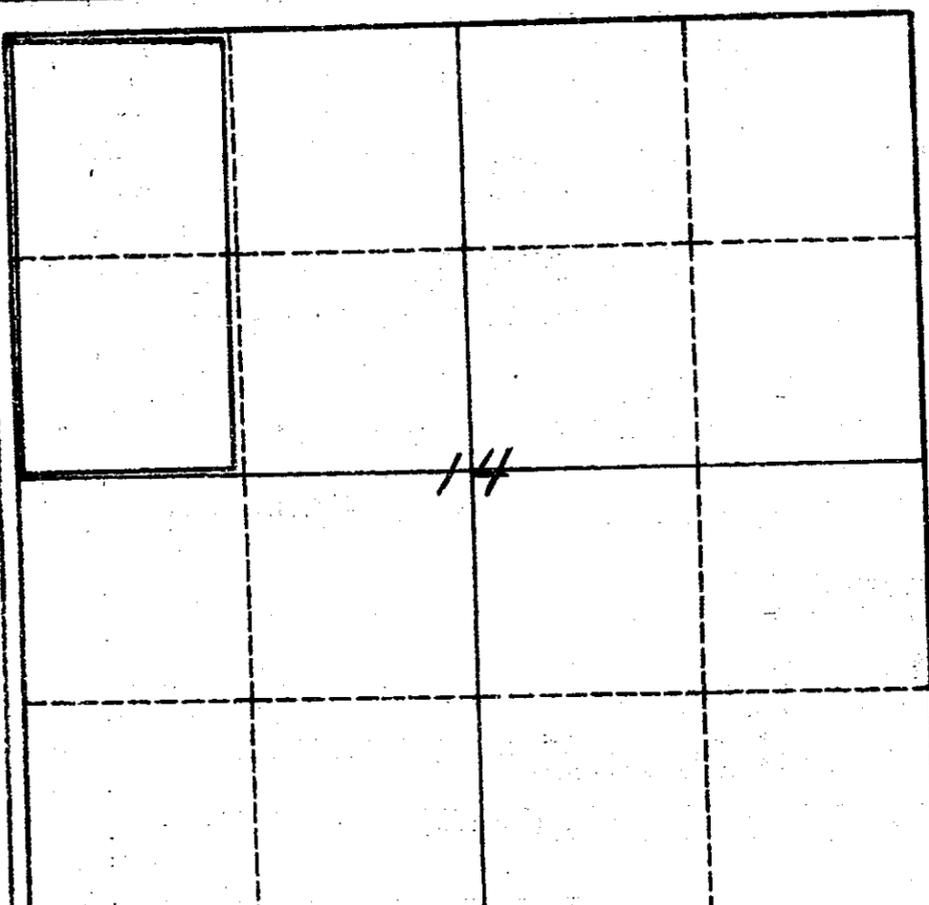
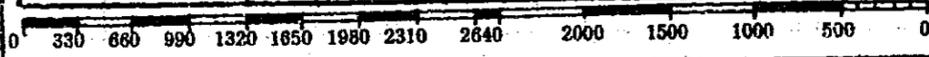
Designated Operator

District Manager

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(If this Designation of Operator applies to a State of Arizona Oil and Gas Lease, copy of this designation of operator must be filed with the State Land Department)

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 X
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 X 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 Thomas E. Congdon	Land Description Section 14-T6N-R10W
	<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>Name _____</p> <p>Position District Production Manager Company Union Texas Petroleum, A Division of Allied Chemical Corp</p> <p>Date April 21, 1970</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 _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>
	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8-5/8"	24#	J-55	0	225	0-225	+150
4-1/2"	10.5#	J-55	0	3760	2300-3650	+250

Company Union Texas Petroleum

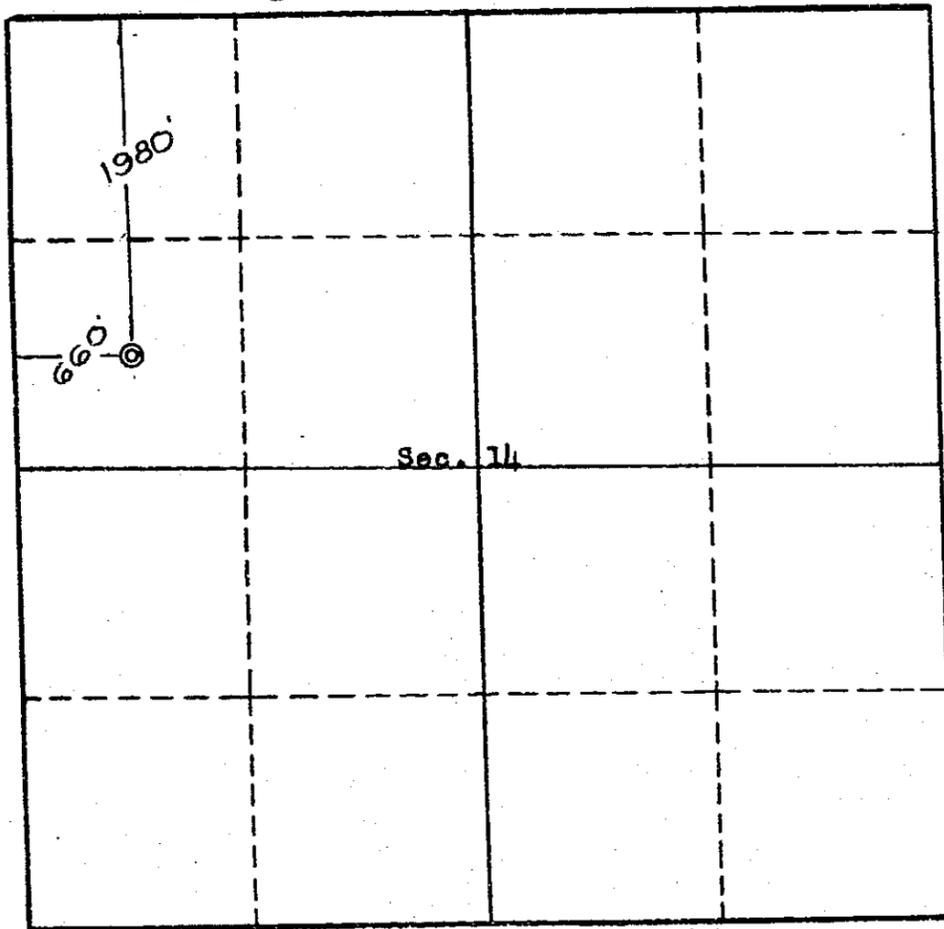
Well Name & No. Navajo #1-14

Location 1980 feet from North line and 660 feet from West line.

Sec. 14, T. 6 N., R. 10W ~~65E~~ ^{N. S. M.}, County Apache, Arizona

Ground Elevation 5770 Est.

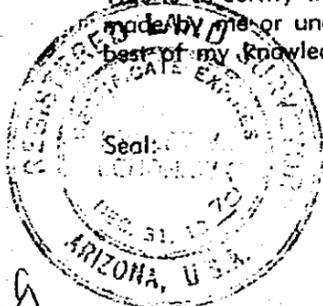
5763



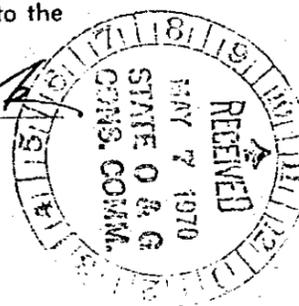
Scale, 1 inch = 1,000 feet

Surveyed April 21, 1970

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



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Arizona Registration No. 2311



534

5349



PERMIT TO DRILL

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

To: UNION TEXAS PETROLEUM DIVISION
(OPERATOR)

to drill a well to be known as

UNION TEXAS PETROLEUM #1-14 NAVAJO (2587)
(WELL NAME)

located 660 FWL - 1980 FWL

Section 14 Township 6N Range 10W, APACHE County, Arizona.

The W/2 NW/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 27th day of APRIL, 1970.

OIL AND GAS CONSERVATION, COMMISSION

By John Lancaster
EXECUTIVE SECRETARY

PERMIT No 534

RECEIPT NO. 2868
API NO. 02-001-20129

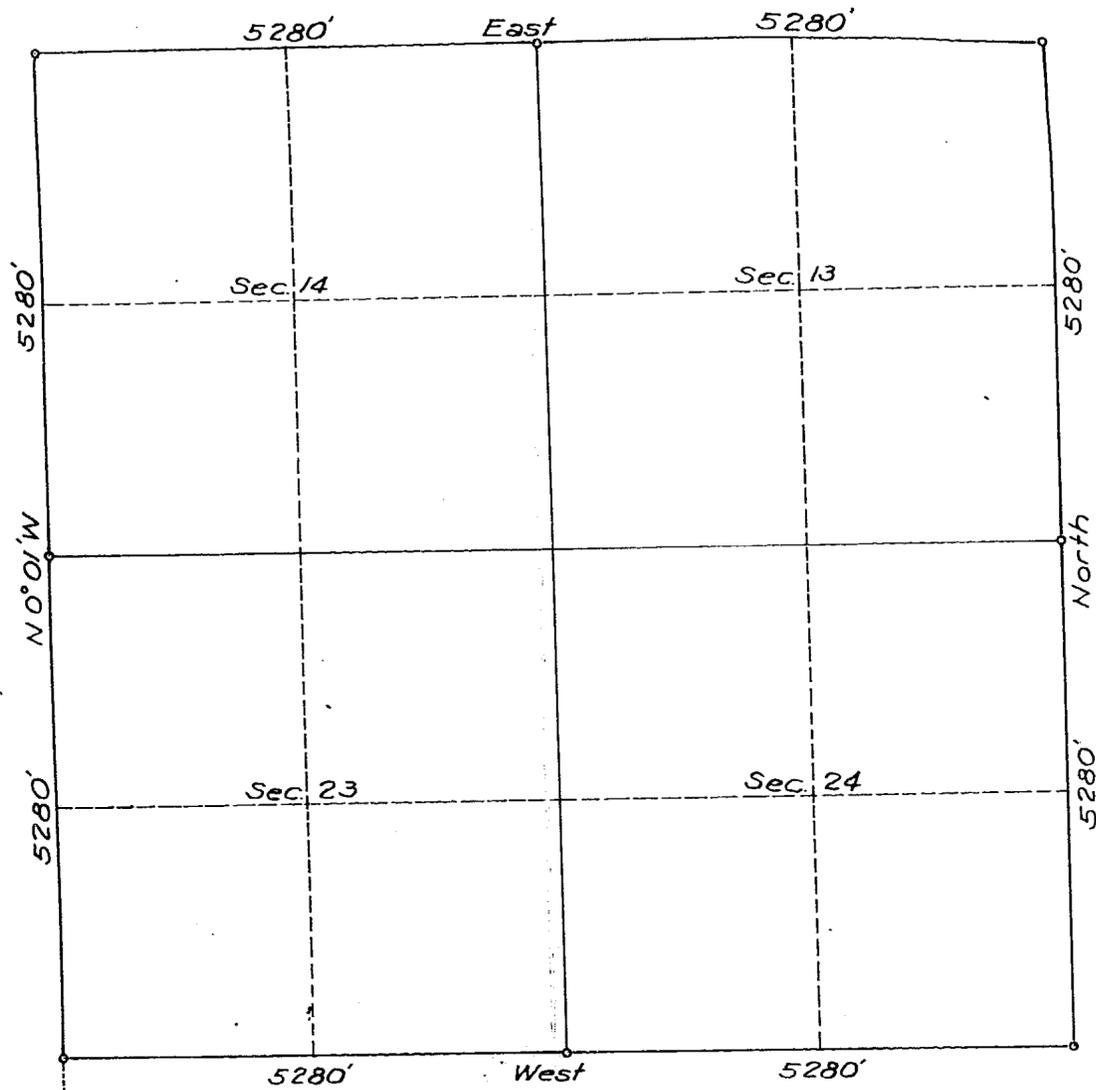
State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

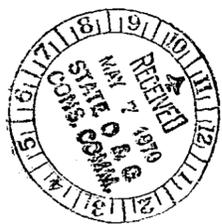
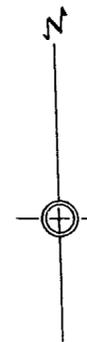
SAMPLES ARE REQUIRED

R-10-W

T-6-N



Area of four section lease,
2560 acres.



534

N 0° 01' W
10,560'



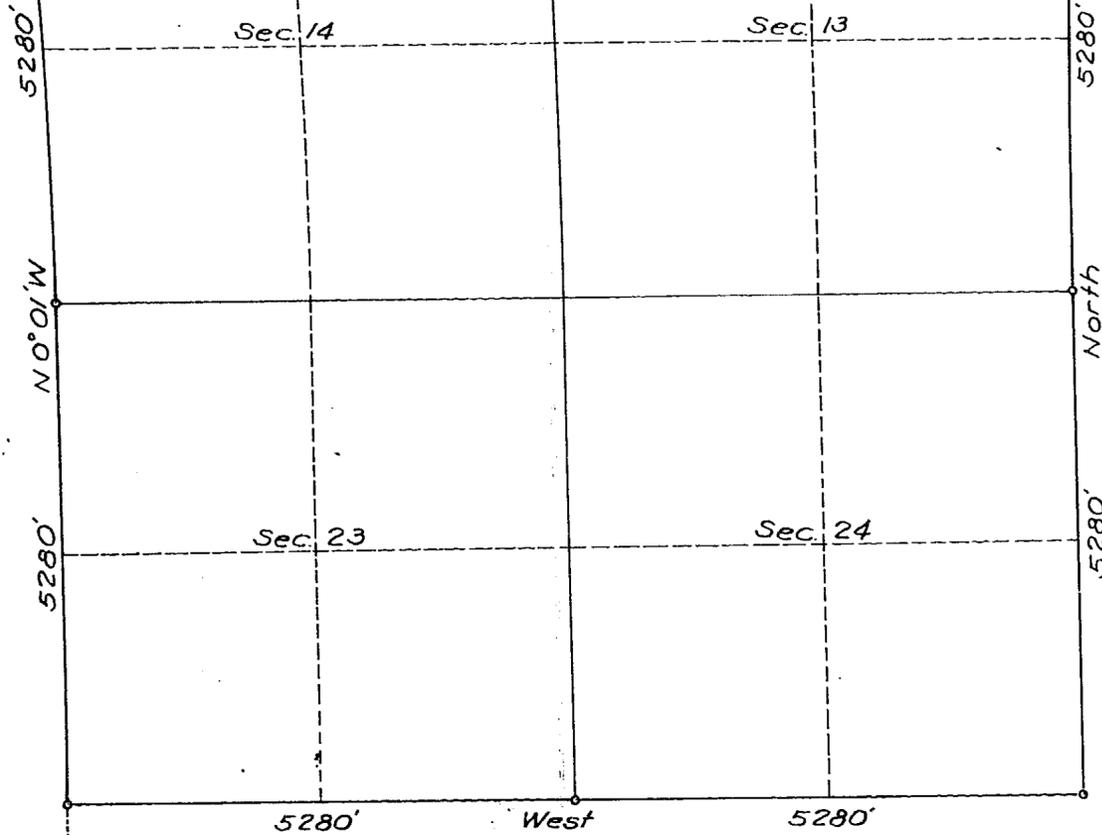
U.S. General Land
Office corner



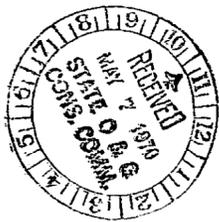
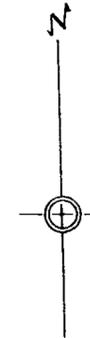
UNION TEXAS PETROLEUM

SURVEY OF NAVAJO TRIBAL LEASE
CONTRACT NO. N 00-C-14-20-2587

T-6-N



Area of four section lease,
2560 acres.



N 0° 01' W
10,560'



U.S. General Land
Office corner

534

Survey by:

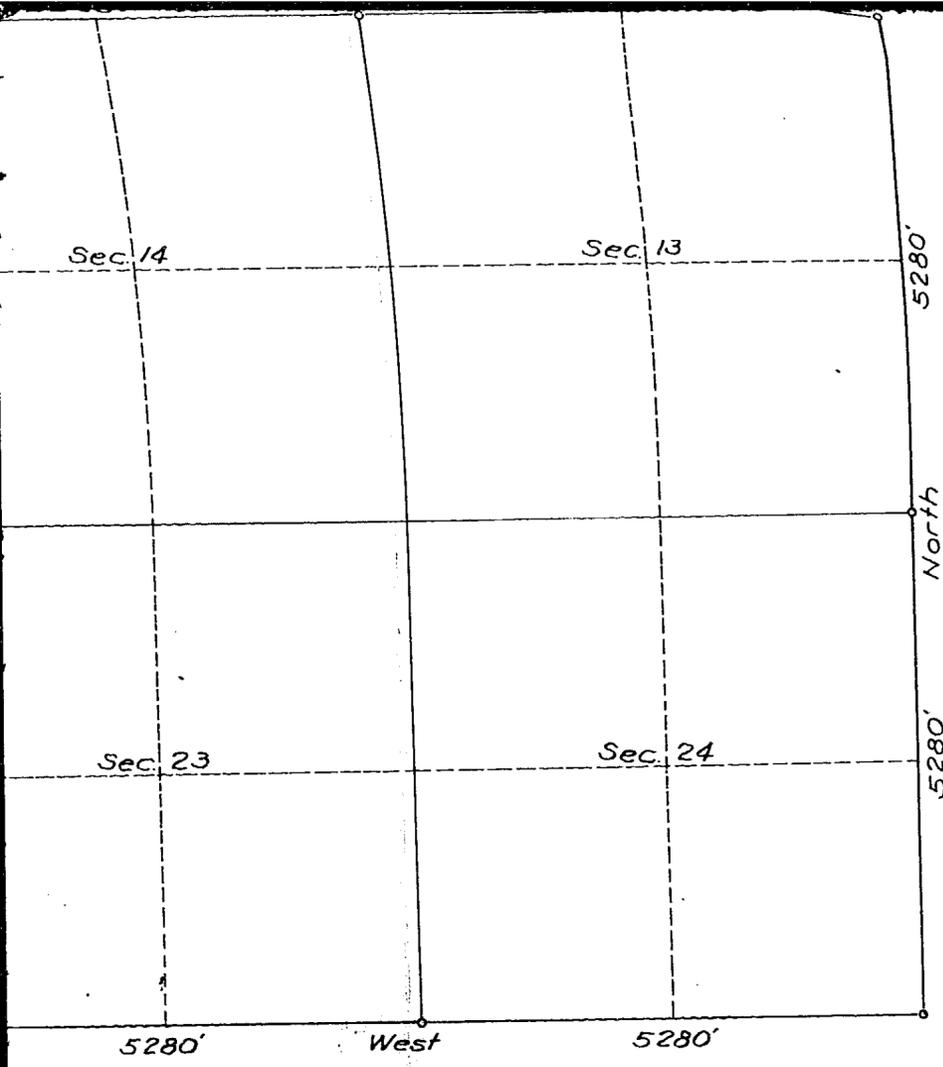
Ernest V. Echols
Ernest V. Echols
Arizona Reg. No. 2311
REGISTERED LAND SURVEYOR
CERTIFICATE EXPIRES
DEC. 31, 1979
ARIZONA, U.S.A.

UNION TEXAS PETROLEUM

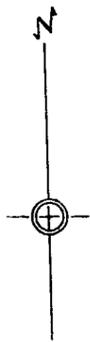
SURVEY OF NAVAJO TRIBAL LEA
CONTRACT NO. N 00-C-14-20-258
COMPRISED OF SECTIONS 13, 14,
& 24, T-6-N, R-10-W, NAVAJO SPEC
MERIDIAN, APACHE COUNTY, ARIZ

APRIL, 1970

SCALE, 4" = 1



Area of four section lease,
2,560 acres.



S.C.
T6N,R10W
534 535
1940

U.S. General Land
Office corner



UNION TEXAS PETROLEUM
 SURVEY OF NAVAJO TRIBAL LEASE,
 CONTRACT NO. N 00-C-14-20-2587,
 COMPRISED OF SECTIONS 13, 14, 23
 & 24, T-6-N, R-10-W, NAVAJO SPECIAL
 MERIDIAN, APACHE COUNTY, ARIZONA.
 APRIL, 1970 SCALE, 4" = 1 MILE

TEXAS #1-14 NAVA
 NW 14-6N-10W APACHE

XXXXXXXXXXXXXXXXX 8686 N. Central
XXXX Suite 106, 85020

December 23, 1975

Mr. A. P. Anderson
Division Procedures Coordinator
Allied Chemical
Union Texas Petroleum Division
P. O. Box 2120
Houston, Texas 77001

RE: Bond No. 157 99 45
Performance Bond
Our File No. #534, 531, 529, 544 & 545

Dear Mr. Anderson:

In regard to your letter of December 16, 1975, we are this date cancelling the above captioned bond.

We are also, by copy of this letter, notifying Travelers Insurance Company of this cancellation.

If we can be of any further assistance, please advise.

Very truly yours,

Saralee Lorenzo
Secretary to W. E. Allen, Director

sl

cc: Marsh & McLennan

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PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. 1579945

That we: UNION TEXAS PETROLEUM DIVISION of ALLIED CHEMICAL CORPORATION

of the County of Harris in the State of Texas

as principal, and THE TRAVELERS INDEMNITY COMPANY

of Hartford, Connecticut

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 Twenty Five Thousand Dollars (\$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 for the state

(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.

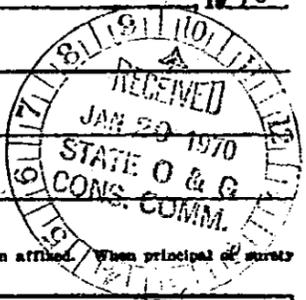
Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 16th day of January, 1970

Roger W. Stoneburner **CANCELLED**
ATTORNEY-IN-FACT
ALLIED CHEMICAL CORPORATION

WITNESS our hands and seals this 16th day of January, 1970

Robert J. Miller Attorney-in-Fact
THE TRAVELERS INDEMNITY COMPANY
Walter J. Shudd Jr. 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: 1-20-70
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Gammeter

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 3

Permit No. 529

OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
1624 WEST ADAMS SUITE 202
TELEPHONE 271-5161
PHOENIX, ARIZONA 85007

The Travelers Indemnity Company
Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

Robert J. Whelan, Robert F. Cook, B. Schultz, William K. Bruce, George S. Bruce, Jr., George S. Bruce, III, Robert L. Drago, A. S. Vandervoort, III, all of Houston, Texas, EACH

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof, as follows:

Any and all bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof not exceeding in amount Five Hundred Thousand Dollars (\$500,000) in any single instance

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed. This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 13. The Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Senior Vice President, any Vice President, any Second Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company, to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

ARTICLE IV, SECTION 15. Any bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Senior Vice President, any Vice President or any Second Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary or when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Senior Vice President, any Vice President or any Second Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of THE TRAVELERS INDEMNITY COMPANY at a meeting duly called and held on the 30th day of November, 1959:

VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal to be valid and binding upon the Company with the same force and effect as though manually

signed on behalf

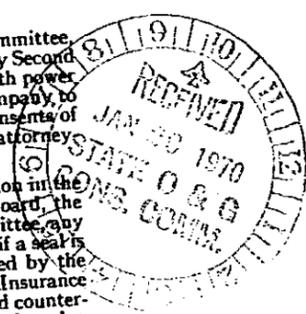
CERTIFICATION

I, E. A. Houser III, Assistant Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 13 and 15 of Article IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been abridged or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this 16th day of January 1970 .



E. A. Houser III
Assistant Secretary, Fidelity and Surety



CANCELLED

The Travelers Indemnity Company

Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

Robert J. Whelan, Robert F. Cook, B. Schultz, William K. Bruce, George S. Bruce, Jr., George S. Bruce, III, Robert L. Drago, A. S. Vandervoort, III, all of Houston, Texas, EACH

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof, as follows:

Any and all bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof not exceeding in amount Five Hundred Thousand Dollars (\$500,000) in any single instance

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed.

This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 13. The Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Senior Vice President, any Vice President, any Second Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company, to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

ARTICLE IV, SECTION 15. Any bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Senior Vice President, any Vice President or any Second Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary or when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Senior Vice President, any Vice President or any Second Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of THE TRAVELERS INDEMNITY COMPANY at a meeting duly called and held on the 30th day of November, 1959:

VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

This power of attorney revokes that dated April 27, 1967 on behalf of Thomas E. Draper, B. Schultz, Robert J. Whelan, R. F. Cook, Robert H. Laymon

IN WITNESS WHEREOF, THE TRAVELERS INDEMNITY COMPANY has caused these presents to be signed by its proper officer and its corporate seal to be hereunto affixed this 19th day of February 1969.

THE TRAVELERS INDEMNITY COMPANY

By

Wm A. Shrake

Secretary, Fidelity and Surety



State of Connecticut, County of Hartford—ss:

On this 19th day of February in the year 1969 before me personally came Wm. A. Shrake to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



Margaret D. Tuttle

Notary Public

My commission expires April 1, 1969

CANCELLED

CERTIFICATION

I, E. A. Houser III, Assistant Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 13 and 15 of Article IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been abridged or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this 16th day of January 1970 .



E. A. Houser III
Assistant Secretary, Fidelity and Surety



Union Texas Petroleum Division
P. O. Box 2120
Houston, Texas 77001

December 16, 1975

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

Re: Bond No. 157 99 45
Performance Bond to Arizona Oil & Gas
Conservation Commission

Gentlemen:

Since we no longer have any operations in the state of Arizona, please consider this your authority to release the captioned bond.

We will appreciate your notifying the Travelers of their release of liability at the following address:

Marsh & McLennan
1111 Bank of the Southwest Bldg.
Houston, Texas 77002
Att: Ms. Janice Watts

Thank you for your cooperation.

Sincerely,

A. P. Anderson
A. P. Anderson
Division Procedures Coordinator

cc: C. H. Moerbe
J. Watts

RECEIVED

DEC 22 1975

O & G CONS. COMM.

534

CERTIFIED EXTRACT FROM A
POWER OF ATTORNEY
Dated February 14, 1969

KNOW ALL MEN BY THESE PRESENTS: That Allied Chemical Corporation, a Corporation organized and existing under the laws of the State of New York, with offices at 61 Broadway, New York, New York, acting by its President, Frederick L. Bissinger, hereunto duly authorized by resolution adopted by its Board of Directors on the 28th day of January, 1960, as amended by its Board of Directors on the 24th day of September, 1964, does hereby nominate, constitute and appoint Harold G. Teverbaugh, W. D. Geitz, J. E. McCollum, J. C. Grubb, Roger W. Stoneburner, R. C. Terry and John A. Sutherland, and each of them, its true and lawful attorney in fact, for it and in its name, to negotiate the terms of and to execute, acknowledge and deliver instruments and documents pertaining to unimproved fee lands, the oil and gas business, the natural gas liquids business, the petro-chemical business and related activities of this Corporation in all of the states of the United States and also within all countries, nations, republics and territories situated in North America, Central America, South America or elsewhere, including but not limited to:

1.

Contracts, deeds, conveyances, bills of sale, leases (where this Corporation is lessor or lessee), assignments, subleases, releases and other instruments and documents which in any manner pertain to the purchase, option to purchase, acquisition, holding, sale, conveyance, transfer, exchange, leasing or disposition of land, improvements, easements, rights of way, licenses, permits, plants, buildings and other structures, timber, cattle, crops, oil, gas and mineral leases or interests therein, oil or gas concessions, mineral interests, royalties, overriding royalties, production payments, net profits interest, carried working interests, surface interests, surface leases, agricultural leases, grazing leases, office leases, interests or rights in land, pipe lines, gathering lines, storage facilities, automobiles, trucks, airplanes, tank cars, barges and other transportation equipment, fixtures, equipment, materials, supplies and other forms of property.

2.

Agreements for gas injection, secondary recovery, pressure maintenance, repressuring or cycling operations, pooling agreements, unitization agreements, pooling or unitization declarations relating to the pooling or unitization of leasehold, royalty, overriding royalty or other interest in oil, gas or other minerals.

3.

Plant agreements, joint operating agreements, dry hole and/or bottom hole contribution agreements and farmout agreements.

4.

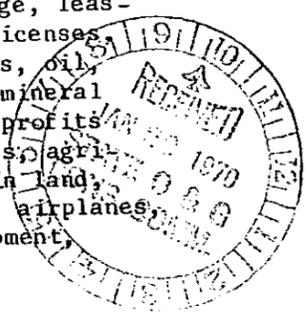
Contracts relating to transportation, contracts for construction of improvements or installation of facilities, contracts for geophysical and other exploratory services, map services, surveys, drilling, deepening, reworking, testing, completion, maintenance and/or operation of wells, logging, core analyses or other well services, management contracts, contracts for professional or counseling services.

5.

Application for drilling permits, abandonment of wells, and all other documents and instruments required by governmental bodies or agencies having jurisdiction of oil, gas or other hydrocarbons or products derived therefrom.

6.

Division orders, transfer orders and contracts for the purchase, sale, exchange or processing of oil, condensate, gas, casinghead gas, gasoline, natural gas liquids and/or related products, water or electricity.



7.

Indemnities, guarantees and bonds (other than bonds which are evidences of indebtedness) and instruments or documents comprising, releasing or settling claims, actions, suits or other legal proceedings.

8.

Contracts, agreements and undertakings with the United States of America or any state therein, any branch, department, bureau, agency, authority, commission, board, instrumentality, office or other subdivision thereof, and to make, sign, execute, acknowledge, verify and deliver bonds, guarantees, certificates, requisitions, orders, and other instruments incident to or required in the performance of any such contract, agreement or undertaking.

9.

Instruments amending, extending or terminating any contract, agreement or other instrument or document, of the character authorized to be executed by said attorneys pursuant to the terms hereof, whether existing as of this date or executed in the future.

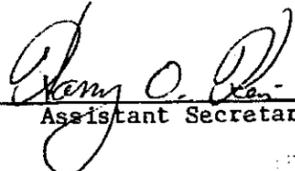
The authorities herein granted shall not include the execution or delivery of any contract or other instrument for the purchase, sale or conveyance of any real property (other than oil, gas or other minerals, or any interest or right in or relating to oil, gas or other minerals, whether a leasehold, fee, royalty, overriding royalty, production payment, net profits, carried working interest or other interest or right) with a value or more than \$250,000 without further approval of the Board of Directors of Allied Chemical Corporation or the Executive Committee of the Board of Directors of Allied Chemical Corporation.

Each of said above-named attorneys shall be and hereby is authorized and empowered to act without joinder of any one or more of the other of said attorneys to the same extent and for all purposes as if said acting attorney was the sole person named as attorney in this instrument and the death, disability, resignation or revocation of authority of any one or more of said named attorneys shall not in any manner affect the powers and authorities of other said attorneys.

Allied Chemical Corporation hereby ratifies and confirms all that the said attorneys, and each of them, may do by virtue hereof.

The powers herein conferred shall in no wise be construed as affecting, limiting, qualifying or terminating powers heretofore given by Allied Chemical Corporation to other persons, all of which powers shall continue in full force and effect.

I, Harry O. Keir, Assistant Secretary of ALLIED CHEMICAL CORPORATION, do hereby certify that the above is a true and exact extract from a Power of Attorney dated February 14, 1969, a copy of which is on file in my office, and that this Power of Attorney is in full force and effect as of the date hereof, and has been in full force and effect since February 14, 1969.


Assistant Secretary

Dated January 16, 1970



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

December 27, 1974

Mrs. Lena Simon
The Travelers
P. O. Box 1446
Houston, Texas 77001

Re: Union Texas Petroleum, Div. of
Allied Chemical Corp. - Principal
Blanket Drilling Bond
Bond #1579945

Dear Mrs. Simon:

We have received your request for cancellation of the above referenced bond. Please be advised that the principal under this bond is not in full compliance with the rules and regulations of the Oil and Gas Conservation Commission of the State of Arizona. Until such time as this company is in full compliance with all the rules and regulations, this bond cannot be released.

Should you need any further information, please let us know.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

cc Curtis Little

CANCELLED

DATE

12-23-75



THE TRAVELERS

Surety Department
Robert S. Winter, Manager

December 9, 1974

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

Re: Union Texas Petroleum, Div. of
Allied Chemical Corp. - Principal
Blanket Drilling Bond
Bond #1579945

Gentlemen:

Effective January 16, 1970 the above captioned bond was executed on behalf of The Travelers Indemnity Company as Surety. We have now been advised by the agent for our principal that the above bond be cancelled.

Please send us your acknowledgement that the bond is cancelled and the effective date in which we may terminate our liability.

A return envelope is enclosed for your convenience.

Yours very truly,

THE TRAVELERS INDEMNITY COMPANY

(Mrs.) Lena Simon

/s
Encl.
cc: Marsh-McLennan Inc. of Houston

CANCELLED

DATE

12-23-75

RECEIVED

DEC 11 1974

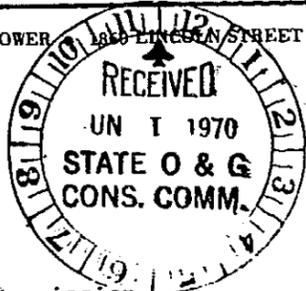
O & G CONRS. COMM.



Corporation

UNION TEXAS PETROLEUM DIVISION

SUITE 1010 LINCOLN TOWER 1776 LINCOLN STREET • DENVER, COLORADO 80203 • 534-8221



May 28, 1970

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

Subject: Navajo #1-14
SW NW Section 14-T6N-R10W
Chinle Valley Area
Apache County, Arizona
NOO-C-14-20-2587

Gentlemen:

Enclosed is the following material relative to the subject well:

- 1 copy Well Completion or Recompletion Report and Well Log (Form No. 4)
- 2 copies Application to Abandon and Plug (Form No. 9)
- 1 copy Plugging Record (Form No. 10)

Subject to receipt of electric logs directly from Schlumberger, we believe this will complete your requirements for information regarding this well.

Yours very truly,

W. L. HIXON
District Production Manager

Copies of Forms 4 and 10 sent as follows:

- 1-R. G. Berry Co., 223 Mayo Bldg., Tulsa, Oklahoma 74103
- 1-St. Mary Parish Land Co., Suite 1010, 1776 Lincoln St., Denver, Colorado 80203
- 1-Alf R. Thompson, et al, P. O. Box 69, Mattoon, Illinois 61938
- 1-Mr. George Wells, Houston Office

Encl.
WLH:rw

534



Corporation

UNION TEXAS PETROLEUM DIVISION

SUITE 1010 LINCOLN TOWER • 1860 LINCOLN STREET • DENVER, COLORADO 80203 • 534-8221

May 18, 1970

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

Attention: Mr. John Bannister

Dear Sir:

In compliance with your letter of May 15, 1970, concerning the UTP #1-14 Navajo, Apache County, Arizona, we hereby submit a written request that all information on the well be kept confidential. We will inform you by letter as to when the #1-14 Navajo file may be released from confidential status. Thank you for your cooperation.

Sincerely,

J. W. Perry
J. W. Perry
Geologist

JWP:sh



534

May 15, 1970

Mr. W. L. Hixon
Union Texas Petroleum Division
Suite 1010
Lincoln Tower
1860 Lincoln Street
Denver, Colorado 80203

Re: Union Texas Petroleum #1-14 Navajo (2587)
SW/4 NW/4 Sec. 14-T6N-R10W
Apache County
Our File #534

Dear Mr. Hixon:

Our geologist, Mr. Scurlock, visited the captioned well site last week. While there, he received a verbal request that this office keep all information on the above well confidential. This request was complied with and the file has been placed in a confidential status. However, in order to make the confidential status official, we must receive a written request from your office. We need this letter as soon as possible. Thank you for your cooperation.

Sincerely,

John Bannister
Executive Secretary

jd



Corporation

UNION TEXAS PETROLEUM DIVISION

SUITE 1010 LINCOLN TOWER • 1860 LINCOLN STREET • DENVER, COLORADO 80203 • 534-8221

May 6, 1970

Oil and Gas Conservation Commission, State of Arizona, Room 202, 1624 West
Adams, Phoenix, Arizona 85007
R. G. Berry Co., 225 Mayo Bldg., Tulsa, Oklahoma 74103, Attention: Mr.
Garvin Berry
St. Mary Parish Land Co., Suite 1010, 1776 Lincoln St., Denver, Colorado 80203
Alf R. Thompson, et al, P. O. Box 69, Mattoon, Illinois 61938
Mr. George Wells, Houston Office

Subject: Navajo #1-14
SW NW Section 14-T6N-R10W
Chinle Valley Area
Apache County, Arizona

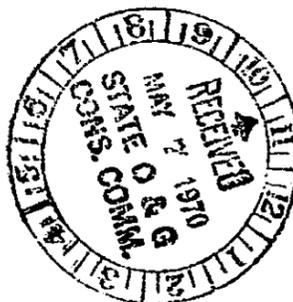
Gentlemen:

With reference to the subject well, enclosed for each of you are copies of a
map showing the surveyed lease premises; and a survey plat showing the exact
location of this well.

Yours very truly,

W. L. HILXON
District Production Manager

Encl.
rw



534



Corporation

UNION TEXAS PETROLEUM DIVISION

SUITE 1010 LINCOLN TOWER • 1860 LINCOLN STREET • DENVER, COLORADO 80203 • 534-8221

May 5, 1970

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

Re: Navajo #1-14
SW NW Section 14-T6N-R10W
Chinle Valley Area
Apache County, Arizona
Your File #534

Gentlemen:

This is to notify you that the subject well was spudded at 9:00 a.m.
on Monday, May 4, 1970.

Yours very truly,

W. L. Hixon

W. L. HIXON
District Production Manager

rw



534

April 28, 1970

Mr. W. L. Hixon
Union Texas Petroleum Division
Suite 1010 Lincoln Tower
1860 Lincoln Street
Denver, Colorado 80203

Re: Union Texas Petroleum Division #1-14 Navajo (2587)
SW/4 NW/4 Sec. 14-T6N-R10W
Apache County
Our File #534

Dear Mr. Hixon:

Enclosed you will find your approved Application for Permit to Drill, Receipt No. 2868 covering the \$25 filing fee, and our Permit to Drill No. 534. Miscellaneous instruction sheets pertaining to samples and various reports required by this Commission have been furnished your office in previous correspondence.

Thank you for your cooperation.

Sincerely,

John Bannister
Executive Secretary

jd
Enc.



Corporation

UNION TEXAS PETROLEUM DIVISION

SUITE 1010 LINCOLN TOWER • 1860 LINCOLN STREET • DENVER, COLORADO 80203 • 534-8221

April 25, 1970

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

Re: Navajo #1-14
SW NW Section 14-T6N-R10W
Chinle Valley Area
Apache County, Arizona
NOO-C-14-20-2587

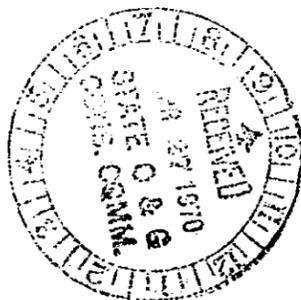
Gentlemen:

In accordance with our letter of April 21, please find enclosed copies of survey plats relative to the Navajo No. 1-14 well.

Yours very truly,

W. L. HIXON
District Production Manager

Encl.
WLH:rw





Corporation

UNION TEXAS PETROLEUM DIVISION

SUITE 1010 LINCOLN TOWER • 1860 LINCOLN STREET • DENVER, COLORADO 80203 • 534-8221

April 21, 1970

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

Re: Navajo #1-14
SW NW Section 14-T6N-R10W
Chinle Valley Area
Apache County, Arizona
NOO-C-14-20-2587

Gentlemen:

Attached for your review and approval are two (2) copies of our Application for Permit to Drill or Re-Enter (Form No. 3) covering the referenced well.

Survey plats for this location will be mailed directly from the surveyor's office in Farmington, New Mexico.

Enclosed are two (2) copies of the Designation of Operator form and our check No. 7583 in the amount of \$25.00 to cover permit for this well. As you know, we have previously filed a blanket bond and Organization Report.

Yours very truly,

W. L. HIXON
District Production Manager

Encl.
WLH:rw



534

534