

Release Date 11-17-65

CONFIDENTIAL



P-W

SKELLY #1 Hopi
SW/4^{NE}/4 S35-T30N-R17E Navajo Count

309

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 **Skelly Oil Company** Address **Box 730 - Hobbs, New Mexico**

Federal, State or Indian Lease Number or name of lessor if fee lease **Cont. 14-20-0450-5202 Hopi Tribal** Well Number **1** Field & Reservoir **Wildcat**

Location **1980' FNL & 1980' FEL Sec. 35** County **Navajo**

Sec. TWP-Range or Block & Survey **Sec. 35-30N-17E**

Date spudded **April 15, 1965** Date total depth reached **May 14, 1965** Date completed, ready to produce **Dry Hole** Elevation (DF, RKB, RT or Gr.) **6118' DF** Elevation of casing hd. flange **6119' on IE.** feet

Total depth **7780'** 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 **Dry Hole** Rotary tools used (interval) **0-7780'** 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) **Schlumberger - Induction Electric Log, Sonic Log & Gamma Ray-Neutron** Date filed **May 18, 1965**

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	15"	11-3/4"	42 & 47#	1993'	1050	None

TUBING RECORD **None**

LINER RECORD **None**

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
None			None	

INITIAL PRODUCTION

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

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

Tubing pressure **—** Casing pressure **—** Cal'd rate of Production per 24 hrs. **—** Oil **—** Gas **—** Water **—** 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 Superintendent** of the **Skelly Oil Company** (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.

May 28, 1965
Date

J. E. Lab
Signature



CONFIDENTIAL

Release Date **309**
Permit No.

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*
Mesa Verde	Surface	402	Sand & shale
Mancos	402	918	Shale
Dakota	918	997	Shale
Cow Springs	997	1332	Shale
Entrada	1332	1618	Shale
Navajo	1618	2010	Shale & sand
Moenave	2010	2370	Shale
Wingate	2370	2860	Shale
Chinle	2860	4110	Red siltstone, lime & shale
Shinarump	4110	4230	Shale, sand & lime
Moenkopi	4230	4512	Sand & shale
Coconino (DeChelly)	4512	5355	Sand
Supai	5355	6601	Lime, sand & shale
Hermosa	6601	6914	Shale & lime
Molas	6914	6984	Lime, shale & sand
Mississippian	6984	7180	Shale & lime
Elbert	7180	7455	Dolomite, shale, chert & sand
McCracken	7455	7545	Dolomite
Aneth	7545	7622	Dolomite
Bright Angel	7622	7650	Shale, lime, dolomite & siltstone
Topeats	7650	7740	Shale & siltstone
Precambrian - 1022'	7740	7780	Granite
Total Depth		7780	

DRILL STEM TEST NO. 1 - 4490-4619' (Coconino):

Open one hour, shut in for 30 mins. Recovered 180' drilling mud, 270' slightly mud cut water, 2629' fresh water. IFP 936#, FFP 1167#, ISIP 1312#, FSIP 1312#, HP 2181#.

DRILL STEM TEST NO. 2 - 7580-7635' (Straddle Packer)(Devonian Aneth (?)):

Open one hour, shut in 30 mins. Good blow, immediately decreasing to weak blow last 10 mins. Recovered 250' muddy water, 440' salty water (3800 PPM Chlorides). IFP 575#, FFP 2095#, ISIP 2545#, FSIP 2487#, HP 3753#.

* 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.

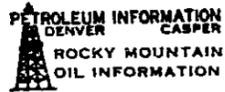
INSTRUCTIONS:

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.

ARIZONA
NAVAJO CO.
WILDCAT (W)

309



Twp 30n-17e
Section 35
sw ne
1980 s/n 1980 w/e

OPR: Skelly Oil; Murphy Oil; Aquitaine Oil

WELL #: 1 Hopi Tribe-A

ELEV: 6118 DF 6106 GL

DSTS. & CORES:

SPUD: 4-15-65 COMPL: 5-17-65

TOPS: Log ~~Sample~~
Mancos 402, Dakota 918,
Entrada 1332, Navajo 1618,
Moenave 2010, Wingate 2370,
Chinle 2860, Shinarump 4110,
Moenkopi 4230, Coconino
4512, Supai 5355, Hermosa
6601, Molas 6914, Mississip-
pian 6984, Elbert 7180, Mc-
Cracken 7455, Aneth 7545,
Bright Angel sh 7622, Tapeats
7650, preCambrian 7740.

No cores. DST 4490-
4619, SI 30 mins, open
1 hr, SI 30 mins, rec 180
mud, 270 sli MCW,
2629 wtr, FP 936-1167#,
SIP 1312-1312#, FHP
2181#. DST 7580-7635,
SI (?), open 1 hr, SI 30
mins, rec 250 muddy
wtr, 4440 salty wtr, FP
575-2095#, SIP 2545-
2487#, FHP 3753#.

TD: 7780 FB:
CSG: 11-3/4" @ 1993 w/1050

PERF:

BROD. ZONE:

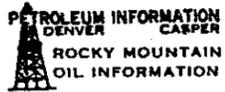
Contr: Moran Bros.

INIT. PROD: D&A

(RE-ISSUED CARD)

ARIZ2-665210

309
ARIZONA
NAVAJO CO.
WILDCAT (W)



Twp 30n-17e
Section 35
SW NE
1980 s/n 1980 w/e

OPR: Skelly Oil; Murphy Oil; Aquitaine Oil		WELL #: 1 Hopi Tribe-A	
ELEV: 6106 Gr	DSTS. & CORES:	SPUD:	COMPL:
TOPS: Log-Sample	8000 preCambrian test	TD:	PB:
		CSG:	
		PERF:	
		BROD. ZONE:	
		INIT. PROD:	Reportedly D&A. (Tight hole).

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ4-562260

PLUGGING RECORD

Operator Skelly Oil Company		Address Box 730 - Hobbs, New Mexico	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. Cont. 14-20-0450-5202		Well No. 1	Field & Reservoir Wildcat
Location of Well 1980' FNL & 1980' FEL Sec. 35-30-N - 17-E		Sec-Twp-Rge or Block & Survey NMPM	County Navajo
Application to drill this well was filed in name of Skelly Oil Company	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) _____ Gas (MCF/day) _____ Dry? Dry Hole	
Date plugged: May 17, 1965	Total depth 7780'	Amount well producing when plugged: Oil (bbls/day) None	Gas (MCF/day) _____ Water (bbls/day) _____
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement
None			

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
11-3/4"	1977'	None	1977'	-	- Guide shoe 1977'

Was well filled with mud-laden fluid, according to regulations? **Yes**

Indicate deepest formation containing fresh water. **Navajo Sand**

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

Name	Address	Direction from this well:
Unknown		

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.

See reverse side

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Dist. Superintendent** of the **Skelly Oil Company** (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 26, 1965**

[Signature]
Signature



CONFIDENTIAL

Release Date **309**
Permit No. _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

Well plugged and abandoned in the following manner:

1. Spotted cement plugs at the following depths:

7650-7400' - 85 sacks

7000-6900' - 65 sacks

5650-5550' - 65 sacks

4100-4000' - 95 sacks

2200-2075' - 90 sacks

2. Welded plate on top of 11-3/4" OD surface casing and installed 4" steel marker.
(No cement cap installed because of possible use as a Water Well by Hopi Indians).

3. All intervals not cemented are filled with heavy mud laden fluid.

4. Plugging operations were completed on May 17, 1965.

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
 OPERATOR Skelly Oil Company ADDRESS Box 730 - Hobbs, New Mexico
 Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease Cont. 14-20-0450-5202 Hopi Tribal WELL NO. 1
 SURVEY NMPM SECTION 35 COUNTY Navajo
 LOCATION 1980' FNL & 1980' FEL Sec. 35-30N-17E

TYPE OF WELL Dry Hole TOTAL DEPTH 7780'
 ALLOWABLE (If Assigned) Dry Hole (Oil, Gas or Dry Hole)
 LAST PRODUCTION TEST OIL Dry Hole (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON Dry Hole PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD
47 jts. (1977') of new 11-3/4" OD 42 & 47# H-40 & J-55 casing set at 1993' with 1050 sacks.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Verbal approval received to plug and abandon well in the following manner: Spot cement plugs at the following depths:

- 1. 7650-7400' - 85 sacks
- 7000-6900' - 65 sacks
- 5650-5550' - 65 sacks
- 4100-4000' - 95 sacks
- 2200-2075' - 90 sacks

2. Weld plate on top of 11-3/4" OD surface casing & install 4" steel marker. (No cement cap will be installed because of possible use as a water well by Hopi Indians).
 3. All intervals not cemented will be filled with heavy mud laden fluid.

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 16, 1965

NAME OF PERSON DOING WORK Moran Brothers Drlg. Co. ADDRESS Farmington, New Mexico

CORRESPONDENCE SHOULD BE SENT TO Skelly Oil Company c/o Mr. H. E. Aab
 Name
Dist. Superintendent
 Title
Box 730 - Hobbs, New Mexico
 Address
May 26, 1965
 Date

Date Approved 5-21-65
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: John Gannister

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

Permit No. 309

CONFIDENTIAL

Release Date: 11-17-65



1-13-66

Chester Stiteler

(Skelly) called from

Albuquerque today.

He will have samples

in 4 cor. cut soon.

Wes. P. Stiteler
Asst. Dir. Geol.

5 SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Skelly Oil Company
 2. OIL WELL GAS WELL OTHER (Specify) Dry Hole
 3. Well Name Hopi "A"
 Location 1980' FNL & 1980' FEL
 Sec. 35 Twp. 30-N Rge. 17-E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease
Cont. 14-20-0450-5202 - Hopi Tribal
 5. Field or Pool Name Wildcat

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

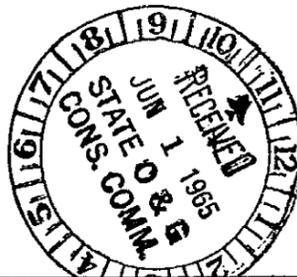
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	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.)

This well was drilled to a Total Depth of 7780' with no commercial quantities of oil or gas encountered in any zone. Well plugged and abandoned in the following manner:

- Spotted cement plugs at the following depths:
 7650-7400' - 85 sacks
 7000-6900' - 65 sacks
 5650-5550' - 65 sacks
 4100-4000' - 95 sacks
 2200-2075' - 90 sacks
- Welded plate on top of 11-3/4" OD surface casing and installed 4" steel marker. (No cement cap installed because of possible use as a Water Well by Hopi Indians).
- All intervals not cemented are filled with heavy mud laden fluid.
- Plugging operations were completed on May 17, 1965.



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

Signed J. E. Cab Title Dist. Superintendent Date MAY 28 1965

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

Permit No. 309

CONFIDENTIAL

Release Date _____

2

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Skelly Oil Company

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

3. Well Name Hopi "A"

Location 1980' FNL & 1980' FEL

Sec. 35 Twp. 30-N Rge. 17-E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease
Cont. 14-20-0450-5202 - Hopi Tribal

5. Field or Pool Name Wildcat

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

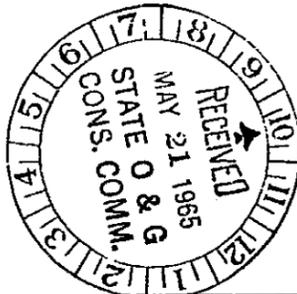
NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>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

This well was drilled to a Total Depth of 7780' with no commercial quantities of oil or gas encountered in any zone. We have received verbal approval from Mr. Phil McGrath of the U.S.G.S. to plug and abandon this well in the following manner:

- Spot cement plugs at the following depths:
7650-7400' - 35 sacks
7000-6900' - 65 sacks
5650-5550' - 65 sacks
4100-4000' - 95 sacks
2200-2075' - 90 sacks
- Install dry hole marker. Well may be used as a Water Well by Hopi Indians at a later date.
- All intervals not cemented will be filled with heavy mud laden fluid.



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

Signed [Signature] Title Dist. Supt. Date May 19, 1965

Permit No. 384

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR **Skelly Oil Company** DATE **March 17, 1965**
 P. O. Box 730 Hobbs, New Mexico
 Address City State

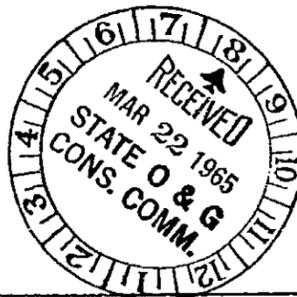
DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease O & G 77 - Cont. #14-20-0450-5202	Well number 1	Elevation (ground) 6106'
Well location and acreage dedicated to the well (give footage from section lines) 1980' FNL & 1980' FEL		Section—township—range or block & survey Sec. 35-30N-17E
Field & reservoir (if wildcat, so state) Wildcat	County Navajo	
Distance, in miles, and direction from nearest town or post office 43 miles Northwest Keams Canyon, Arizona		
Nearest distance from proposed location to property or lease line: 1980' FNL & 1980' FEL feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: First Well feet	
Proposed depth: 8000'	Rotary or cable tools Rotary	Approx. date work will start March 24, 1965
Number of acres in lease: 2560	Number of wells on lease, including this well, completed in or drilling to this reservoir: First Well	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address		

Status and amount of bond \$2,500.00	Organization Report On file <input type="checkbox"/> * Or attached <input type="checkbox"/>	Filing Fee of \$25.00 Attached <input type="checkbox"/> Draft attached <input checked="" type="checkbox"/>
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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).

* Being forwarded from General Office - Tulsa, Oklahoma.



*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Dist. Superintendent of the Skelly Oil Company (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.

J & Lab
Signature

March 17, 1965
Date

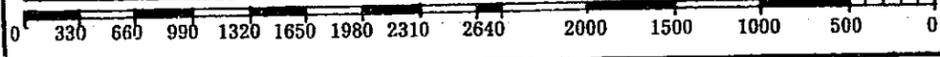
Permit Number: **309**
 Approval Date: **3-24-65**
 Approved By: *John Vannister*
 Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.
 See Instruction on Reverse Side of Form

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Drill, Deepen or Plug Back and Plat
 File Two Copies

Form No. 3

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- 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.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
- If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation by assignment of acreage
- If the answer to question two is "no," list all the owners and their respective interests below:

Owner Skelly Oil Company	Land Description Section 35-30N-17E, Navajo County, Arizona								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; height: 150px; vertical-align: middle; text-align: center;">Section 35</td> <td style="width: 25%; height: 150px; vertical-align: middle; text-align: center;">#1</td> <td style="width: 25%; height: 150px; vertical-align: middle; text-align: center;">1980'</td> <td style="width: 25%; height: 150px; vertical-align: middle; text-align: center;">1980'</td> </tr> <tr> <td colspan="4" style="text-align: center; padding: 5px;"><u>See Attachment</u></td> </tr> </table>		Section 35	#1	1980'	1980'	<u>See Attachment</u>			
Section 35	#1	1980'	1980'						
<u>See Attachment</u>									
CERTIFICATION I hereby certify that the information above is true and complete to the best of my knowledge and belief.									
Name <u>A. E. Leab</u> Position <u>Dist. Superintendent</u> Company <u>Skelly Oil Company</u> Date <u>March 17, 1965</u>									
I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.									
Date Surveyed <u>March 11, 1965</u> Registered Professional Engineer and/or Land Surveyor See attached									
Certificate No. _____									



PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
11-3/4"	48#	H-40, SS	0	800'	800' to surface	450
5-1/2"	17-15.5#	J-55, SS	0	8000'	8000' to 7000'	225

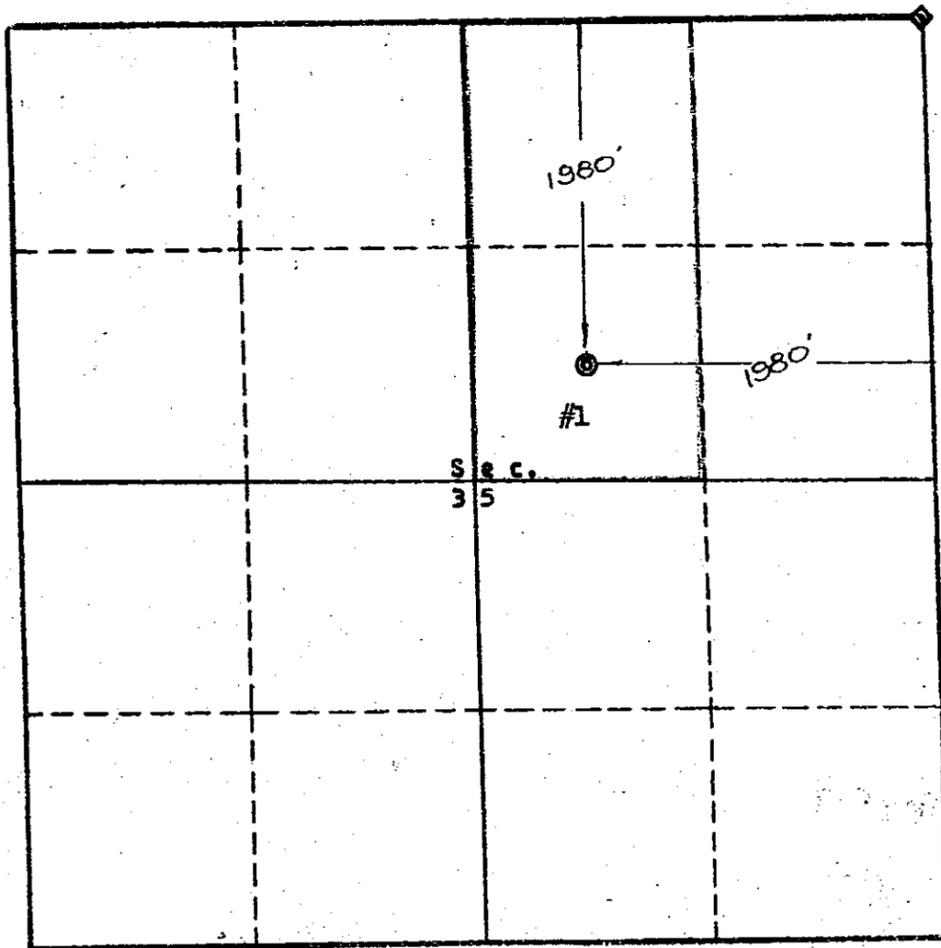
Company Skelly Oil Company

Well Name & No. Hop] A #1

Location 1980 feet from the North line and 1980 feet from the East line.

Sec. 35, T. 30 N., R. 17 E., G. & S. R. M., County Navajo, Arizona

Ground Elevation _____

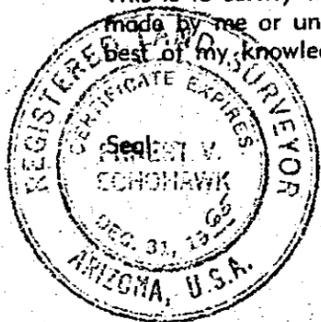


U.S.G.L.O.
survey 1914:
Witness tree
found as notes
described to
verify survey.

Scale, 1 inch = 1,000 feet

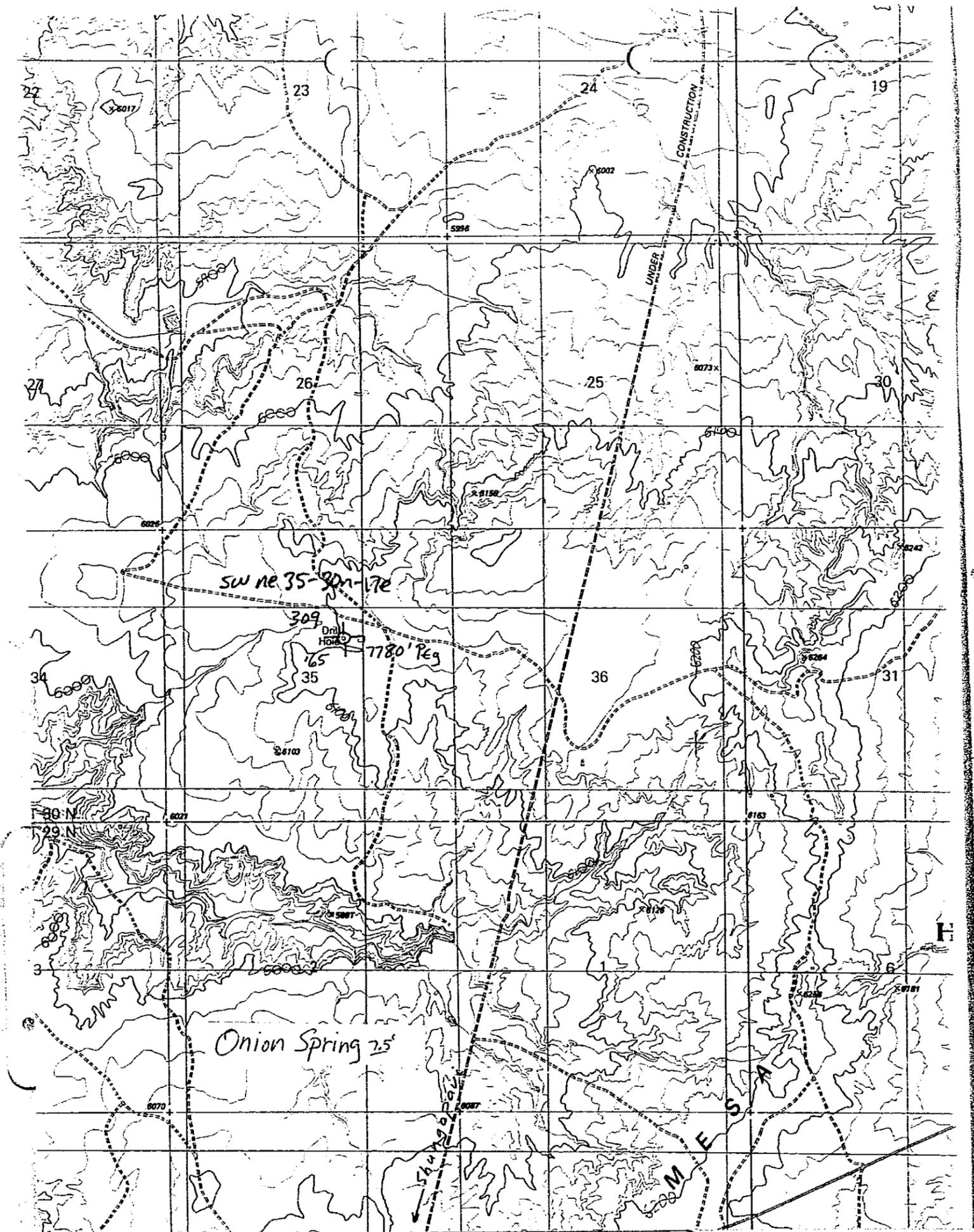
Surveyed March 11, 1965

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

309



BOND Federal Insurance Co. #8020-20-64

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. _____

That we: SKELLY OIL COMPANY

of the County of: Tulsa in the State of: Oklahoma

as principal, and FEDERAL INSURANCE COMPANY

of New York, New York
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

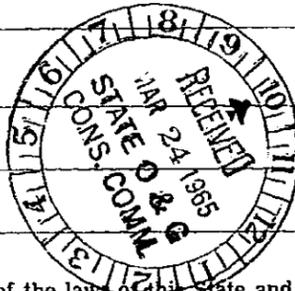
as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions 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:

Hopi "A" Lease No. 79957

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

Section 35-30N-17E, Navajo County, Arizona



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 Oil and Gas Conservation 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 & Gas Conservation Commission all notices and records required by said Commission, 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 DOLLARS (\$2,500.00)

Witness our hands and seals, this 15th day of March, 1965

Attest: SKELLY OIL COMPANY
R. Kendall Sheriff By: L.L. Ryan
Assistant Secretary Principal Vice President

Witness our hands and seals, this 15th day of March, 1965

Countersigned by: FEDERAL INSURANCE COMPANY
John G. Conner By: Louis S. Greenlee
Resident Agent Surety Attorney-in-Fact

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

Approved Date 3-24-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Conner

CANCELLED
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
DATE 2-10-79

Permit No. 309

Copy mailed to Mr. Gab 4/1/65

Certified Copy of
POWER OF ATTORNEY

Know all Men by these Presents, That the FEDERAL INSURANCE COMPANY, 90 John Street, New York, New York, a New Jersey Corporation, has constituted and appointed, and does hereby constitute and appoint

Doris L. Greenlee
J. H. Clain, Jr.
Edward A. Herhold
Thomas Byron Ramsey
Lionel Edmund Oliver
of
Tulsa, Oklahoma

each its true and lawful Attorney-in-Fact to execute under such designation in its name and to affix its corporate seal to and deliver for and on its behalf as surety thereon or otherwise, bonds of either of the following classes, to-wit:

1. Bonds on behalf of contractors in connection with bids, proposals or contracts to or with the United States of America, any State or political subdivision thereof or any person, firm or corporation.
2. Surety Bonds to the United States of America or any agency thereof, including those required or permitted under the laws or regulations relating to Customs or Internal Revenue; License and Permit bonds or other indemnity bonds under the laws, ordinances or regulations of any State, City, Town, Village, Board or other body or organization, public or private; bonds to Transportation Companies, Lost Instrument bonds, Lease bonds, Workmen's Compensation bonds, Miscellaneous Surety bonds and bonds on behalf of Notaries Public, Sheriffs, Deputy Sheriffs and similar public officials.
3. Bonds and Undertakings (other than Fiduciary Bonds) filed in any suit, matter or proceeding in any Court, or filed with any Sheriff or Magistrate, for the doing or not doing of anything specified in such Bond or Undertaking, in which the penalty of the bond or undertaking does not exceed the sum of Fifty Thousand Dollars (\$50,000.00).

In Witness Whereof, the said FEDERAL INSURANCE COMPANY has, pursuant to its By-Laws, caused these presents to be signed by its Vice President and Assistant Secretary and its corporate seal to be hereto affixed this 1st day of February 19 64.

FEDERAL INSURANCE COMPANY

By



Frederick C. Gardner
Vice President



Davis Quinn
Assistant Secretary



STATE OF NEW YORK
County of New York

ss.:

On this 1st day of February 19 64, before me personally came Davis Quinn, to me known and by me known to be Assistant Secretary of the FEDERAL INSURANCE COMPANY, the corporation described in and which executed the foregoing Power of Attorney and the said Davis Quinn being by me duly sworn, did depose and say that he resides in the City of New York, in the State of New York; that he is Assistant Secretary of the FEDERAL INSURANCE COMPANY and knows the corporate seal thereof; that the seal affixed to the foregoing Power of Attorney is such corporate seal and was thereto affixed by authority of the By-Laws of said Company and that he signed said Power of Attorney as Assistant Secretary of said Company by like authority; that he is acquainted with Frederick C. Gardner and knows him to be Vice President of said Company, and that the signature of said Frederick C. Gardner subscribed to said Power of Attorney is in the genuine handwriting of said Frederick C. Gardner and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Acknowledged and Sworn to before me
on the date above written.



Notary Public
MARION J. McGRATH
NOTARY PUBLIC, State of New York
No. 24-7837850
Qualified in Kings County
Certificate filed in New York County
Commission Expires March 30, 1964



CITY AND COUNTY OF NEW YORK: ss

I, the undersigned, Assistant Secretary of the FEDERAL INSURANCE COMPANY, do hereby certify that the following is a true excerpt from the By-Laws of the said Company as adopted by its Board of Directors on March 11, 1953 and amended January 2, 1964 and that this By-Law is in full force and effect.

"ARTICLE XIX.

Section 2. All bonds, undertakings, contracts, powers of attorney, and other instruments other than as above, for and on behalf of the Company which it is authorized by law or its charter to execute, may and shall be executed in the name and on behalf of the Company either by the Chairman or the Vice-Chairman or the President or a Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations, except that any one or more officers or attorneys-in-fact designated in any resolution of the Board of Directors or the Executive Committee, or in any power of attorney executed as provided for in this section, may execute any such bond, undertaking, or other obligation as provided in such resolution or power of attorney."

And I further certify that I have compared the foregoing copy of the POWER OF ATTORNEY with the original thereof and the same is a correct and true copy of the whole of said original Power of Attorney and that said Power of Attorney has not been revoked.

And I further certify that said FEDERAL INSURANCE COMPANY is duly licensed to transact fidelity and surety business in each of the States of the United States of America, Puerto Rico, and each of the Provinces of the Dominion of Canada with the exception of Prince Edward Island; and is also duly licensed to become sole surety on bonds, undertakings, etc., permitted or required by the laws of the United States.

Given under my hand and seal of said Company at New York, N. Y., this 15th day of

March 19 65

Walter La Forge
Assistant Secretary



January 11, 1966

Mr. William R. Kendal, District Exploration Manager
Skelly Oil Company
P.O. Box 4115, Station A
Albuquerque, New Mexico

Re: Skelly #1 Hopi A well
SW NW 35-30N-17E, Apache County, Arizona
Our File -809

Dear Bill:

Wanted to inquire about the samples on the Hopi well. Do you still have them or were they delivered to Four Corners Sample Cut in Farmington?

As you know, our Rules and Regulations require that samples on tight holes be released to the Commission six months after completion.

Hope to see you in Phoenix this winter with your golf clubs.
Kindest regards.

Very truly yours,

J.R. Scurlock
Petroleum Geologist
mr

1-13-66

Mr. Steidler telephoned

Will deliver to Four Corners Sample Cut soon.

November 1, 1965

Alexander & Alexander Insurance
522 South Boston
Tulsa, Oklahoma 74103

Attention: Miss Doris Greenlee

Re: Federal Insurance Company Bond 8020-20-64

Skelly Oil Co. #1 Hapi 5202 well
SW/4SE/4 35-30N-17E, Navajo County, Arizona
Our File 309

Gentlemen:

The above well has been completed and all required data has been submitted in accordance with our Rules and Regulations.

This letter, then, will constitute authority from this Commission to terminate captioned bond effective October 29, 1965.

Very truly yours,

John Bannister
Executive Secretary
MB

cc: Skelly Oil Company
P.O. Box 730
Hobbs, New Mexico

NEW YORK
ATLANTA
BALTIMORE
CHICAGO
CLARKSBURG
LOS ANGELES
MIAMI
MONTREAL
NEWARK
NEW ORLEANS
PHILADELPHIA
PITTSBURGH
SAN FRANCISCO
ST. LOUIS
TORONTO
TULSA

ALEXANDER & ALEXANDER

INCORPORATED

INSURANCE

AVERAGE ADJUSTERS CONSULTING ACTUARIES

522 SOUTH BOSTON, TULSA, OKLAHOMA 74103

TELEPHONE
LUTHER 4-1301
WESTERN UNION
FAX-FHQ

October 28, 1965

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

Gentlemen:

SKELLY OIL COMPANY
Drilling Bond - Hopi "A" Lease #79957
35-30N-17E, Navajo County
Amount \$2,000 - Eff 3/15/65
Federal Insurance Co. #8020-20-64

We understand that the well on the above
lease has been abandoned and cleaned up.

We would appreciate your checking your
records, and furnishing us with release of the
captioned bond.

If you have any questions please let us
know.

Very truly yours,

Doris Greenlee

Doris Greenlee

dg/



June 3, 1965

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. H. E. Amb

Re: Skelly #1 Hopi 5202 well
SW/4 NE/4 35-T30N-R17E, Navajo County, Arizona
Permit 309

Gentlemen:

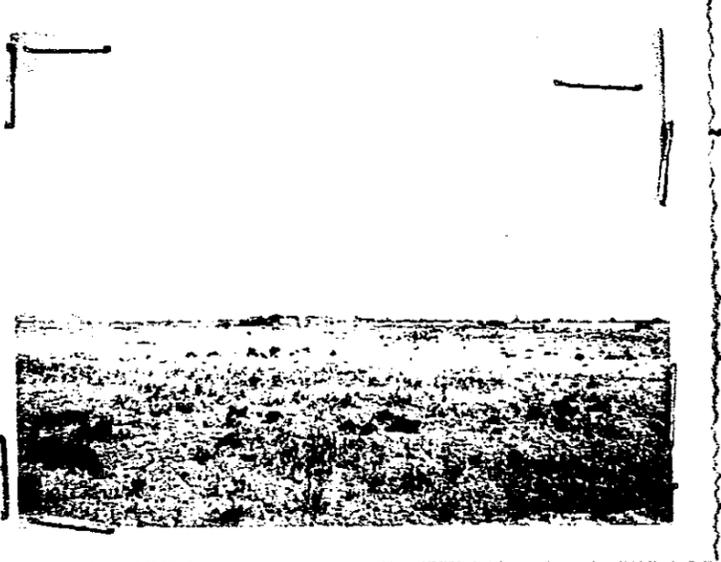
Enclosed is proved copy of application to abandon and
plug captioned well.

All the information will be kept confidential until
November 14, 1965.

Yours very truly,

John Bannister
Executive Secretary

Enclosure
cb



Shelly Hopi

5-18-65

Moran Delq rig

P: A

C
O
P
Y

May 28, 1965

Mr. H.A. Rankin
District Services Manager
Gulf Oil Corporation of California
P.O. Drawer 1938
Roswell, New Mexico 88201

Dear Mr. Rankin:

This will acknowledge the receipt of your letter of May 25, 1965 requesting copies of the well completion reports on the Hopi wells drilled by Amerada Petroleum, Skelly Oil, and Texaco Inc.

Please be advised to date completion reports have not been filed with this Commission.

As you are aware, the State of Arizona has a six months period in which information will remain confidential if so requested by the operator. Each of these wells has been classified as confidential.

At such time as this information may be released we will honor your request.

Yours very truly,

John Bannister
Executive Secretary

309

May 21, 1965

Skelly Oil Company
P.O. Box 4115, Station A
Albuquerque, New Mexico 87106

Attention: Mr. William R. Kendall,
District Manager, Exploration Department

Re: Skelly #1 Hopi 5202 well
SW/4NW/4 835-T30N-R17E, Navajo County, Arizona

Gentlemen:

Thank you very much for the logs forwarded with your letter of May 18, 1965. We were very disappointed in the outcome of the drilling.

We are enclosing the forms for the required reports to complete the file on this well. All information will, of course, be kept confidential for a period of six months from the date of completion, or until November 17, 1965.

If this office may be of assistance to you at any time, please let us know.

Yours very truly,

John Bannister
Executive Secretary

NR
ESC

309



SKELLY OIL COMPANY

EXPLORATION DEPARTMENT
ALBUQUERQUE DISTRICT
WILLIAM R. KENDALL, DIST. MANAGER
V. E. BARTLETT, DIST. LANDMAN
C. C. STITELER, DIST. GEOLOGIST

ADDRESS REPLY TO
Box 4115, STATION A
ALBUQUERQUE, NEW MEXICO 87106

May 18, 1965

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

Mr. John Bannister
Executive Secretary

Dear John,

The Skelly No. 1 Hopi "A" in Section 35 T30N R17E, Navajo County, Arizona, drilled under permit number 309, was plugged and abandoned on May 17, 1965. It is our desire that the information gained from drilling this test be retained as confidential.

I am enclosing copies of the Gamma Ray-Neutron, Sonic-Caliper, and the Induction-Electric logs on the test as required by the Commission. These copies are all clearly marked confidential and I'm sure, John, that we can depend on you to exert every precaution to see that the logs are used exclusively for the official business of the Oil and Gas Conservation Commission.

William R. Kendall
William R. Kendall

WRK/nla
cc: Ben W. Ploch, Tulsa
H. E. Aab, Hobbs
Encl. -3

CONFIDENTIAL

Release Date _____

309

April 21, 1965

Skelly Oil Company
P.O. Box 730
Hobbs, New Mexico

Attention: Mr. H.E. Aab, District Superintendent

Re: Skelly #1 Hopi 5202 well
SW/4NE/4 S35-T30N-R17E, Navajo County, Arizona
Permit 309

Gentlemen:

The Commission desires that it be kept informed as to the progress of all wells. We should be notified when a well is spudded, when it is going to be logged or tested, if operations are being suspended for any reason, etc., whether or not any of these coincide with the Sundry Notices and Reports on Wells, which should be submitted monthly.

We have heard that the captioned well has been spudded but we have not received any sort of notification from you. If this well has been spudded will you verify this to us. *Rec'd 4-27-65*

We are again enclosing a supply of the forms, Sundry Notices and Reports on Wells, for your convenience in keeping us informed.

Yours very truly,

J.R. Scurlock
Petroleum Geologist

nr
enc

March 23, 1965

Skelly Oil Company
P.O. Box 730
Hobbs, New Mexico

Attention: Mr. H.E. Aab, District Superintendent

Re: Skelly #1 Hopi 3202 well
SW/4NE/4 S35-T30N-R17E, Navajo County, Arizona
Permit 309

Gentlemen:

Enclosed is approved copy of Application to Drill captioned well, our receipt 9408 for the filing fee, and and carbon copy receipt for your draft 1993.

Pursuant to your instructions, original copy of the receipt for draft 1993 was forwarded to your Accounts Payable office in Tulsa, on this date.

Pursuant to instructions contained in letter dated March 16, 1965 from Mr. J.O. Kramer, approved copy of the bond covering captioned well is returned this date to Mr. Kramer in your Tulsa office.

Enclosed is a supply of Form 25, Sundry Notices and Reports on Wells. These reports should be submitted monthly.

If this office may be of assistance to you at any time, please do not hesitate to contact us.

Yours very truly,

John Bannister
Executive Secretary
nr
enc

cc: Mr. J.O. Kramer, Skelly Oil Co., P.O. Box 1650, Tulsa
Skelly Oil Company, P.O. Box 1650, Tulsa, Attn Accounts Payable



SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico
March 17, 1965

Re: Skelly Oil Company
Hopi Well No. 1
1980' FEL and 1980' FNL
Section 35-30N-17E
Navajo County, Arizona

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

Attention: District Director

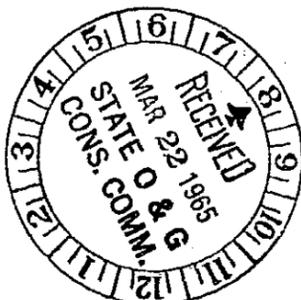
Dear Sir:

Attached is Skelly Oil Company's draft No. 1993 in the amount of \$25.00 for the filing fee on the above captioned well. Please mail our approved forms to P.O. Box 730, Hobbs, New Mexico. We have enclosed a "Receipt" that must be executed by you before the draft is valid. Please fill in the space by "Received Payment", mail the original receipt with the yellow copy of the draft in the manila envelope to our Tulsa office. Return the copy of the receipt to us. Thank you for your cooperation in this matter.

Yours very truly,
SKELLY OIL COMPANY

H. E. Aab
District Superintendent

HOW/pjn
Attached





SKELLY OIL COMPANY

TULSA 2, OKLAHOMA

TREASURY DEPARTMENT
J. O. KREMER, MANAGER
INSURANCE DIVISION

March 16, 1965

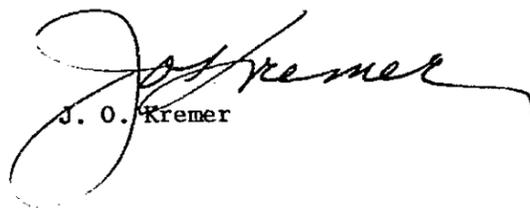
Oil & Gas Conservation Commission
State of Arizona
Suite 202
1624 West Adams
Phoenix, Arizona

Gentlemen:

We are pleased to enclose original and one copy of Federal Insurance Company Bond No. 8020-20-64. This bond is furnished to you in connection with our operations on Hopi A Lease No. 79957, Section 35-30N-17E, Navajo County, Arizona and is issued in the amount of \$2,500.00.

Would you be good enough to acknowledge receipt and acceptance of this instrument by signing and returning to us the enclosed carbon copy of this letter.

Yours very truly,


J. O. Kremer

JOK/a

Enclosures 3

