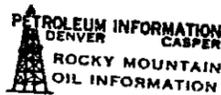


Released
~~CONFIDENTIAL~~

P-M

Socony Mobil Oil 1, Navajo-155
SE/4-NW/4 Sec 28-Twp 39N R-25E
Apache County

272
ARIZONA
APACHE CO.
WILDCAT (W)



Twp 39n-25e
Section 28
se nw
2310 s/n 2310 e/w

OPR: Mobil Oil

WELL #: 1 Navajo-155

ELEV: 4981 DF
TOPS: Log-Samples
Chinle 540
DeChelly 1572
Organ Rock 2204
Cedar Mtn 2750
Hermosa 3575
Ismay 4277
Desert Creek 4405
Molas 4870
Mississippian 4945
Devonian 5260
preCambrian 5602

DSTS. & CORES:
Crd 1460-82, rec 1 ls;
14 claystone. Crd 1545-
1605, rec 3 sd; 3 silt; 2
mudstone; 33 sd, good
poro, bleeding wtr. Crd
4948-65, rec 16 sh &
silt, glau w/large ls fragments, dense, tight. Crd 5448-68, rec
7 sd, good poro, wet; 2 dolo, vuggy, sli sandy, trace asphaltic
residue @ 5456; 9 sd, white, wet; 1 1/2 sd, hard, tight. Crd 5630-
40, rec 10 granite diorite. DST 4407-74, SI 45 mins, open 1 hr,
SI 1 hr, gas in 5 mins, top small to measure, died in 15 mins, rec
10 mud, FP 43-65#, SIP 444-921#. DST 5020-6264, SI 45 mins,
open 1 hr, SI 2 hrs, rec 200 mud, 930 salt wtr, FP 227-596#, SIP
1703-1703#, HP 2417-
2403#.

SPUD: 3-14-64 COMPL: 4-26-64
TD: 5644 PB:
CSG: 16" @ 30 w/30
10-3/4" @ 250
7-5/8" @ 270 w/2436

INIT. PROD: D&A. (To be used as
wtr well by Navajo
Tribe).

Contr: Mesa

ARIZ3-566120

COUNTY Apache AREA Rock Point LEASE NO. 14-20-603-8159

WELL NAME Socony Mobil 1 Navajo-155

LOCATION SE NW SEC 28 TWP 39N RANGE 25E FOOTAGE 2310 FWL 2310 ENL

ELEV 4970 GR 4982 KB SPUD DATE 3-14-64 STATUS TOTAL
 COMP. DATE 4-26-64 DEPTH 5644

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
<u>10 3/4</u>	<u>373</u>	<u>250 sx</u>	<u></u>	<u>X</u>	<u></u>	<u></u>	<u></u>
<u>7 5/8</u>	<u>2436</u>	<u>270 sx</u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>D&A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Wingate (Lukachukai surface)			X	
Wingate (Rock Point)	290			
Chinle	540			
DeChelly	1572			
Organ Rock	2204			
Cedar Mesa	2750			
Hermosa	3575			
Ismay	4277			
Molas	4870			
Miss	4945			
Devonian	5260			
Pre Cambrian	5602			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	Portable Eng. SAMPLE LOG <u>Am Strat</u>
<u>Geologist's Smp Log</u>			SAMPLE DESCRP. <u></u>
<u>GR Sonic, IE, GRN</u>			SAMPLE NO. <u>1552</u>
			CORE ANALYSIS <u>X</u>
			DSTs <u>X</u>

REMARKS Effective 5-18-66 Socony Mobil Oil Co., Inc. changed to Mobil Oil Corp.

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

WATER WELL ACCEPTED BY Navajo Tribe (PI 2-12-65) lgr 5-1-64 signed by Cato Sells, Navajo Tribe

BOND CO. Pacific Mutual Indemnity BOND NO. 256595
 DATE
 BOND AMT. \$ 25,000 CANCELLED 9-27-67 ORGANIZATION REPORT 3-12-64
 FILING RECEIPT 9370 LOC. PLAT X WELL BOOK X PLAT BOOK X
 API NO. DATE ISSUED 3-16-64 DEDICATION E/2 NW/4

PERMIT NUMBER 272

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: Mobil Oil Company Address: P. O. Box 3371, Durango, Colorado

Lease Name: Navajo Tract #155 Well Number: 1 Field & Reservoir: Wildcat

Location: 2310' fn line & 2310' fw line, Sec 28, T39N, R25E Sec.—TWP—Range or Block & Survey

County: Apache Permit number: 272 Arizona Date Issued: 3-11-64 Previous permit number: None Date Issued:

Date spudded: 3-14-64 Date total depth reached: 4-25-64 Date completed, ready to produce: Elevation (DF, REB, RT or Gr.) 4982KB feet Elevation of casing hd. flange: 4969 feet

Total depth: 5644 Schl. P.B.T.D. Single, dual or triple completion? If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: None Rotary tools used (interval): 0' - 5644 Cable tools used (interval):

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

Type of electrical or other logs run (check logs filed with the commission): Induction ES & Gamma ray-Sonic & Neutron Date filed: 5-4-64

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	13 3/8"	10 3/4"	40.5	373'	250	None
Water S.O.	9 7/8"	7 5/8"	26.4	2436'	270	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
None	In.	ft.	In.	ft.	ft.		
None							

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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

INITIAL PRODUCTION

Date of first production: None 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
			bbls.	MCF	bbls.	* API (Corr)

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

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 Geologist of the Mobil 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 13, 1964

David J. Morrow
Signature



272

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies

PLUGGING RECORD

Operator Mobil Oil Company		Address P. O. Box 3371, Durango, Colorado	
Name of Lease Navajo Tract #155		Well No. 1	Field & Reservoir Wildcat
Location of Well 2310' fn line & 2310' fw line		Sec-Twp-Rge or Block & Survey Sec. 28, T39N, R25E	County Apache
Application to drill this well was filed in name of Mobil Oil Company	Has this well ever produced oil or gas No	Character of well at completion (Initial production): Oil (bbbls/day) Gas (MCF/day) Dry? None None Yes	
Date plugged: 4-26-64	Total depth 5644 Schl.	Amount well producing when plugged: Oil (bbbls/day) Gas (MCF/day) Water (bbbls/day) None None 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.
Permian-DeChelly	Fresh water	1572-1940	Cement plugs @ 5200' - 5400' 4800' - 5000' 3500' - 3600' 2375' - 2475'

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
10 3/4"	373'	0	373'		
7 5/8"	2436'	0	2436'		

Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water.
Permian-DeChelly - 1940'

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

Name	Address	Direction from this well:
Mobil Oil Company	Box 3371, Durango, Colorado	West
Mobil Oil Company	Box 3371, Durango, Colorado	North
Mobil Oil Company	Box 3371, Durango, Colorado	East
Unleased Tribal	Navajo Tribe	South

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.

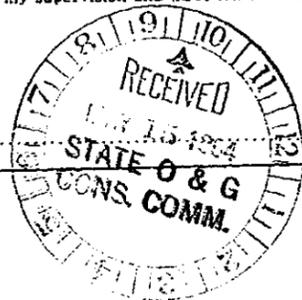
Ground water branch of the Navajo Tribe intends to complete as a water well.

Use reverse side for additional detail
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **District Geologist**.....of the

Mobil 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 13, 1964
Date



David J. Morrow
Signature

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION

Form No. P-15

Plugging Record File two copies

272

THE NAVAJO TRIBE
WINDOW ROCK, ARIZONA

RAYMOND NAKAI
CHAIRMAN, Navajo Tribal Council

NELSON DAMON
VICE CHAIRMAN, Navajo Tribal Council

1 May 1964

*File
Num. 155*



Mr. Howard Gibson
District Exploration Superintendent
Mobil Oil Company
P. O. Box 3371
Durango, Colorado

Dear Mr. Gibson:

This is an acknowledgement in receipt of a letter from Mr. Henry F. Pohlmann, Oil and Gas Supervisor of the Navajo Tribe.

This is acknowledging the acquisition of water well located 2310' from North and 2310' from West, Section 28, T-39-N, R-25-E, known as Mobil No. 1 Navajo Tract 155.

Appreciate your effort, cooperation and help to accomplish this, I remain

Very truly yours,

THE NAVAJO TRIBE

Cato M. Sells

CATO M. SELLS, Superintendent
Ground Water Development

CMS:ld:5/1/64

272

272

272

9



Form 9-330
(Rev. 5-63)

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. DESVR. Other _____

2. NAME OF OPERATOR
Mobil Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3371, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface **2310' from N. & W lines of Sec. 28, T39N, R25E, G&SRM**
 At top prod. interval reported below
 At total depth **As above**

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8159

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribe Tract #155

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 28, T39N, R25E, G&SRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO. **272-Arizona** DATE ISSUED **3-11-64**

15. DATE SPUNDED **3-14-64** 16. DATE T.D. REACHED **4-25-64** 17. DATE COMPL. (Ready to prod.) **4-26-64** 18. ELEVATIONS (OF, RKR, RT, GR, ETC.)* **4970 Gr., 4980 Df., 4982KB.** 19. ELEV. CASINGHEAD **4969'**

20. TOTAL DEPTH, MD & TVD **5644 Schl.** 21. PLUG BACK T.D., MD & TVD **2375' Schl.** 22. IF MULTIPLE COMPL., HOW MANY* **→** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-5644** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Schlumberger IES, Gamma Ray Sonic w/Caliper, Gamma Ray-Neutron & Dipmeter

27. WAS WELL CORED
yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5#	373'	13 3/4"	250 sx., returns to surface	none
7 5/8"	26.4#	2436'	9 7/8"	270 sx.	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
none		

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
none	

32. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
None		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS **Schlumberger IES, G-R-Sonic w/Caliper, Gamma Ray-Neutron, Sample log, Hydrocarbon log, core description & analysis, list of DST results & formation tops**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED _____ TITLE _____ DATE _____

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

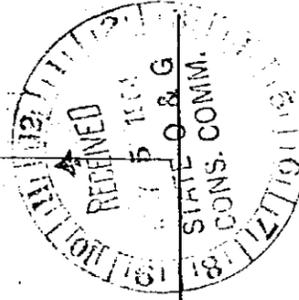
Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, FLUID USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Triassic-Wingate	0	300	S.S., Valley fill,
Permian-DeChelly	1572	1940	S.S., f-m, gr. porous, flowed 3-5' stream of fresh water (chloride-700PPM, calcium 80 PPM) from 1572-1605.
Penn.-L. Hermosa	4834	4846	Ls., vuggy & pinpoint porosity, wet by E. log analysis.
Mississippian	5212	5230	Dol., f. x.ln., pinpoint porosity. Fracture porosity may exist from 5020-5264, DST of this interval rec. 930' MCSW.
Devonian	5458 5514	5474 5521	S.S., f-c gr., some intergranular porosity. Cove from 5448-5468 had s. s. with porosity, wet.

NAME	Schl. TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Triassic-Chinle	540'	Same
Permian-DeChelly	1572'	
Penn.-Hermosa	3575'	
Penn.-2nd shale	4264'	
Penn.-Paradox (Ismay)	4277'	
Penn.-3rd shale	4357'	
Penn.-Desert Creek	4405'	
Penn. Molas	4870'	
Mississippian	4945'	
Devonian	5260'	
Precambrian	5602'	

(SEE ATTACHED SHEET FOR CORES & DST'S)



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ELECTRIC LOG TOPS

Spud in - Triassic Wingate-Lukachukai mbr.
290' - Triassic Wingate-Rock Point mbr.
540' - Triassic-Chinle-Owl Rock mbr. - 537' - Rc
1572' - Permian-De Chelly
2204' - Permian-Organ Rock
2750' - Permian-Cedar Mesa
3575' - Penn-Hermosa
4147' - Penn. - 1st Shale
4185' - Penn. "A" Zone
4264' - Penn. - 2nd Shale
4277' - Penn.-Paradox, "B" Zone (Ismay)
4357' - Penn-Paradox - 3rd Shale
4405' - Penn. -Paradox, "C" Zone (Desert Creek)
4447' - Penn. -Paradox - 4th Shale
4565' - Penn-Paradox - 5th Shale
4708' - Penn. -Paradox - 6th Shale
4870' - Molas
4945' - Miss.
5260' - Devonian
5602- Pre-Cambrian



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Mobil #1 Navajo Tribe Tract #155

2310' f/N & W lines of Sec. 28, T39N, R25E

Apache County, Arizona

Elevations - Gr. 4970 Pederson
Df. 4980 "
Kb. 4982 "

3/14/64 spudded - \emptyset 13-3/4" hole - Triassic-Lukachukai

3/15/64 set 373' of 10-3/4" w/250 sx. cement - Triassic Wingate-Rock Point
 \emptyset 9-7/8" hole

3/18/64 Core #1 - 1460-1482 rec. 15' - Triassic Chinle
(7-7/8" Diamond) 1460-61 - limestone, N. S.
Core 1461-75 - claystone, N. S.
1475-82 - No Rec.

3/20/64 Core #2 - 1545-1605 rec. 60' - Triassic Chinle
(7-7/8" Diamond) 1545-1548 S. S., N. S.
Core 1548-1551 Siltstone, N. S.
1551-1572 Mudstone, N. S.
1572-1605 Sandstone, V. porous, N. S., flowed Permian-DeChelly
fresh water

3/25/64 Ran Schlumberger Gamma Ray, Integrated Sonic w/caliper and IES logs @
2441'. - Permian-Organ Rock

3/26/64 Set 2436' of 7-5/8" casing in 9-5/8" hole with 275 sax cement to shut off
water flow, 2" stream - Permian-Organ Rock.

3/27/64 \emptyset 6-3/4" hole.

Penn. - Paradox - "C" Zone (Desert Creek)

4/6/64 \emptyset 10" hole, 4445-50', \emptyset 10 min., ft., white silty limestone, tite, w/trace
lead oil stain. 4450-61 - 12 units of He in mud, no hydrocarbon gas, no
flour., no cut, no stain, no gas in cuttings, siltstone, green, micaceous,
limy, w/some streaks of V. f. grained micaceous S. S., no apparent porosity.
4461-62 decreased to 5 units of He

drilling time - 4445-50 - 10 min/ft.
4450-51 - 5 min/ft.
4451-52 - 6 min/ft.



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Page Two -

4452-53 - 5 min/ft.
4453-54 - 6 min/ft.
4454-55 - 10 min/ft.
4455-56 - 10 min/ft.
4456-57 - 4 min/ft.
4457-58 - 9 min/ft.
4458-59 - 4 min/ft.
4459-60 - 5 min/ft.
4460-61 - 3 min/ft.
4461-62 - 10 min/ft.

4/7/64 Prep. to run DST #1 from 4407'-4474' (64' interval) 3/4" bot. ck., variable top ck.

15 min. If - 43.9# - 65.8#
45 min. ISI - 1444.4#
30 min. ff - 65.8# - 65.8#
60 min. FSI - 921.1#
IH - 2098
fH - 2098

Air to surface immediately, He to surface in 5 min., TSTM, weak blow, dled in 15 min., contained 15 units of He by chromatograph, displaced 1/8"-1/4" in bucket - rec. 10' mud, no shows.

Ø 4474-4948

4/12/64 Core #3 - 4948-4965' - Penn. -Molas
Cut 17', rec. 16'

4948-4964 - red shale & siltstone, hard, calcareous, w/large limestone fragments, wh. to yellowish, dense, tite, NO SHOWS.

4964-4965' - No Rec.

Ø 4964 - 5020'

4/15/64 Ran Schlumberger IES, Gamma Ray-Sonic (Integrated) w/caliper, and velocity survey to 5264'.

4/16/64 DST #2 - 5020-5264 Mississippian

5/8" bot. ck., variable top choke, on IF had weak blo - displaced 6" of water, increased till it displaced 16" of water at end of IF (22 min.).

On ff had weak blo immediately, built up to maximum blow which displaced 18" of water in 25 min., remained steady throughout remainder of test (35 min.).
Recovered 1130' of fluid, (200' mud, 930' SW, 37,000 PPMCI, cut with mud

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Page Three -

and nitrogen) gas believed to be nitrogen; not He, not CO₂, non-flammable,
NO SHOWS Hydrocarbons.

22 min. IF - 14#-227#
45 min. ISI - 1703#
60 min. FF - 227#-596#
120 min. FSI - 1703#
IH ---- 2417
FH---- 2403
Temp. 115° @ 5255

Ø 5264-5448'

4/19/64 C #4 - 5448 - Devonian Elbert

4/20/64 Core #4 - 5448-5468' - Devonian Elbert-McCracken?
Cut 20', rec. 19'

5448-5455 - S. s., wh., med. gr., tr. c. gr., sub-angular to well-rounded,
frosted, qtz. grains. Poor to fair inter-granular porosity,
water wet, no shows.

5455-5457 - Dol., lt. brn., med. xln., vuggy, sl. sandy, trace bright
green shale streaks, trace of asphaltic residue @ 5456'. Fair
to poor porosity, no odor, fluor, or cut.

5457-5466 - S. S. - as above, wet, no shows.

5466-5467 - S. S. qtzite, lt. green, m. gr, hard, dence, tite, no shows.

5467-5468 - No recovery -

Ø 5468 - 5630'

4/24/64 Core #5 5630-5640' - Rec. 10' Granodiorite or red w/dk. grn. blk ferro mag.
minerals and orange feldspar crystals. Highly fractured. Sealed with white
sillicous dolomite and ? sh. green and red.

4/25/64 TD 5640'

4/26/64 Ran Schlumberger IES. Gamma Ray-Sonic (integrated w/caliper. 5264-
5644. Gamma Ray-Neutron 3500-5643 and continuous dipmeter 2436-5644.

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Core #4

<u>Depth</u>	<u>Perm. Md.</u>	<u>Porosity %</u>	<u>Water Saturation</u>
5449	3.9	6.9	97%
5452	17.7	9.3	"
5455	6.6	7.2	"
5459	96.9	10.4	"
5462	17.0	8.6	"
5465	28.7	10.4	"

Grain Density 2.6 = qtz.



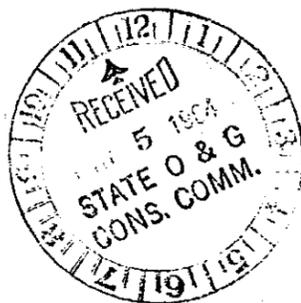
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TABLE 1

Core #2

POROSITY, PERMEABILITY, AND SAND GRAIN DENSITY DATA, PROJECT ARMADILLO

FRL No.	Depth, feet	Porosity %	Air Permeability, md	Sand Grain Density
18439	1572-73	22.9	684	2.66
18440	1576-77	22.6	290	2.67
18441	1580-81	19.8	269	2.66
18442	1585-86	19.6	153	2.66
18443	1588-89	20.7	237	2.66
18444	1591-92	20.5	514	2.66
18445	1596-97	19.9	371	2.67
18446	1599-00	19.8	482	2.66
18447	1604-05	19.7	705	2.67



Form 8-331
(April 1952)

CONFIDENTIAL

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved by
Budget Bureau No. 42-8357-1

Indian Agency

Navajo Tribe

Allottee

Lease No. 14-20-0603-8159

Tract #155

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		<input checked="" type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 24, 1964

Well No. 1 is located 2310 ft. from $\left[\begin{smallmatrix} N \\ S \end{smallmatrix} \right]$ line and 2310 ft. from $\left[\begin{smallmatrix} E \\ W \end{smallmatrix} \right]$ line of sec. 28

NW 1/4, Sec. 28 39N 25E G4SRM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Apache Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4980 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T. D. 5646' Driller, 5646' Schlumberger
 Intend to plug and abandon with the following procedure, which has been verbally approved by Phil McGrath, USGS District Engineer, Hank Pahlman, Oil & Gas Manager of the Navajo Tribe, and John Petty, Arizona State Geologist.
 Plug #1 - 5200' - 5400', Devonian, Plug #2 - 4800' - 5000', Mississippian, Plug #3 - 3500' - 3600', Pennsylvanian, Plug #4 - 2375' - 2475' Permian.
 Mud will be left between all plugs, and 4" pipe welded to surface casing and a valve installed to facilitate subsequent completion as a water well by the Navajo Tribe.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mobil Oil Company

Address P. O. Box 3371

Durango, Colorado

By D. L. Morrow

Title District Geologist



USGS (1)

Navajo O & G - Farmington (1) File (1) FMB SWB (1)

272

Form 9-331b
(April 1952)

CONFIDENTIAL
(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R359.4.

Indian Agency _____

Navajo Tribe

Allottee _____

Lease No. 14-20-0403-0189

Tract 9198

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 26, 19 64

Well No. 1 is located 2310 ft. from N line and 2310 ft. from W line of sec. 30

NW 1/4 Sec. 20 39N 35E G638M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wilcox Apache Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4980 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well P & A, rig released at 6 p. m., 4-26-64. Abandonment procedure as follows:
 Plug #1 - 5200' - 5400', Top Devonian - 45 sacks, Class A cement
 Plug #2 - 4800' - 5000', Top Mississippian - 45 sacks, Class A cement
 Plug #3 - 3500' - 3600', Top Pennsylvanian - 35 sacks, Class A cement
 Plug #4 - 2375' - 2475', in bottom of 7 5/8" casing - 25 sacks of Class A cement
 All plugs pumped down drill pipe. 9.2 lb. mud left between plugs and to surface.
 Plate welded to 10 3/4" surface casing and 4" pipe with valve installed. Marker
 with well name, location, permit number and completion date welded to 4" pipe,
 4' above ground level.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mobil Oil Company
 Address P. O. Box 3371
Durango, Colorado

By D. L. Morrow
 Title District Geologist



USGS (3)
 Navajo O & G Farmington (1) File (2) 5 MB 175 (1)

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR DATE **March 11, 1964**

Socony Mobil Oil Co., Inc.

Address City State

P. O. Box 3371 **Durango** **Colorado**

DESCRIPTION OF WELL AND LEASE

Name of lease Socony Mobil - Navajo Tribe-Tract 155	Well number #1	Elevation (ground) 5010' Ground Preliminary
Well location (give footage from section lines) Section—township—range or block & survey		
2310 E. of W. & 2310 S. of N. Lines of Sec. 28, T. 39N, R25E G&SRM		
Field & reservoir (if wildcat, so state) Wildcat	County Apache	
Distance, in miles, and direction from nearest town or post office 60 miles West of Shiprock, New Mexico		
Nearest distance from proposed location to property or lease line: 2310 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: ----- feet	
Proposed depth: 5650'	Rotary or cable tools Rotary	Approx. date work will start March 14, 1964
Number of acres in lease: 2560	Number of wells on lease, including this well, completed in or drilling to this reservoir: None	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address		

Status of bond Sent by Socony Mobil Division office from Los Angeles, California		
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)		
1. Mobil Oil Company proposes to drill an exploratory well to the Pre-Cambrian as follows: 1. Set 30' of 16" conductor pipe. 2. Drill 13-3/4" hole to 350' or at least 50' of Chinle Formation. 3. Set 10-3/4" casing at 350' and circulate cement returns to surface. 4. W. O. C. Drill out cement to within 25' of shoe and press. -test to 1500 PSI for 30 min. 5. Drill 9-7/8" hole to 5450' and 7-7/8" hole to 5650'. 6. Abandon or put on production as necessary. <small>* Fill in Proposed Casing Program on other side</small>		
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the..... District Geologist of the Socony Mobil Oil Co., Inc. (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.		
March 11, 1964 <i>D. J. Morrow</i>		
Date Signature		
Permit Number: 272	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill, Deepen or Plug Back Form No. P-1 File two copies Effective Feb. 28, 1967.	
Approval Date: March 13, 1964		
Approved By: <i>[Signature]</i>		
<small>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</small>		

INSTRUCTIONS

READ CAREFULLY AND COMPLY FULLY

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

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

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

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

PROPOSED CASING PROGRAM

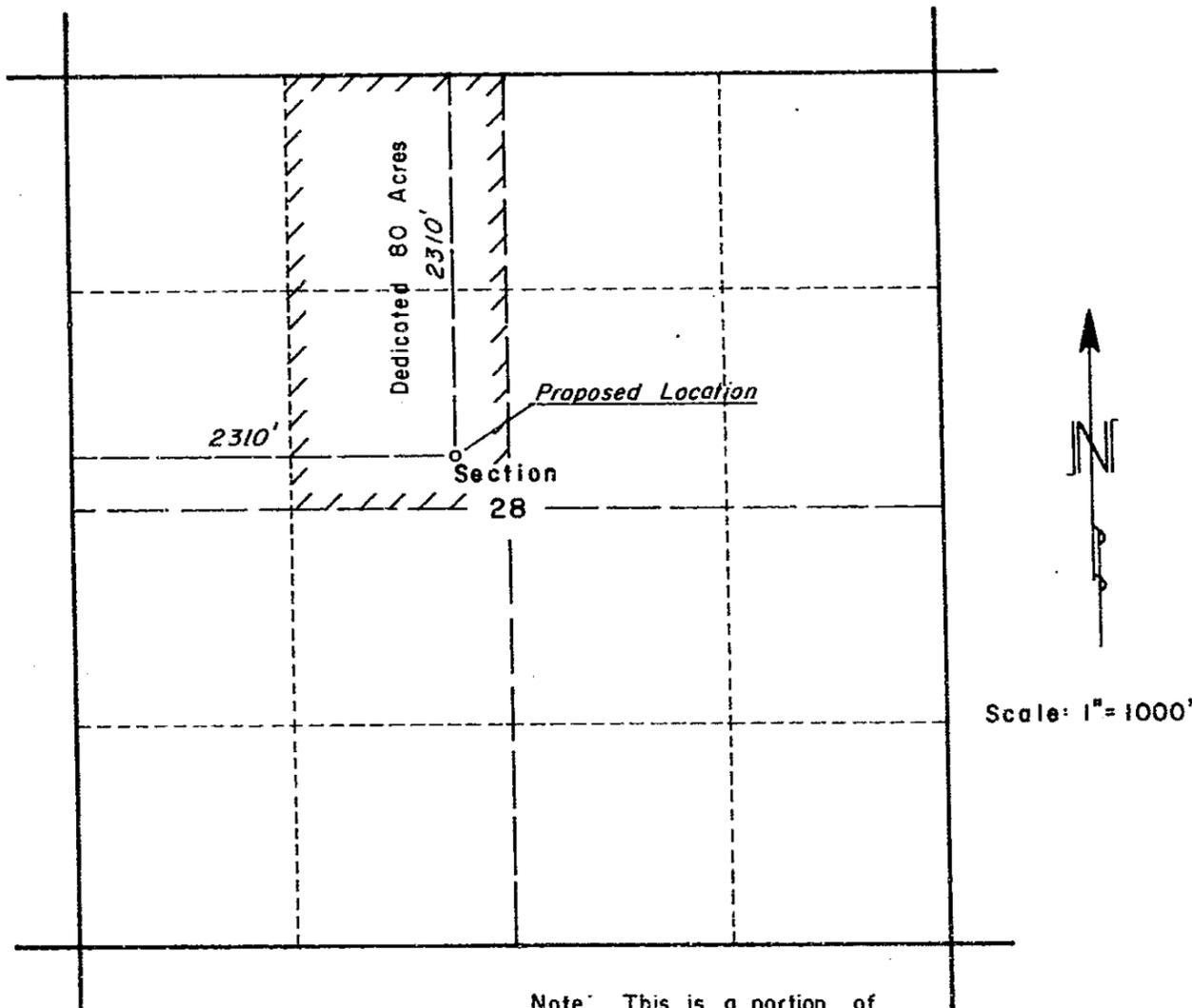
Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
16" conductor pipe			0	30		
10-3/4	40.5	J-SS	0	350	Circulate cement to surface	

Form No. P-1



SYS

CONFIDENTIAL



Note: This is a portion of tract no. 155.

WELL LOCATION:

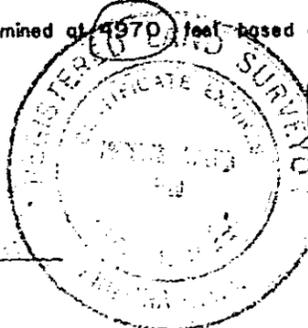
Located 2310 feet South of the North line and 2310 feet East of the West line of Section 28
Township 39 North Range 25 East G. & S.R. Meridian

Existing ground elevation determined at 4970 feet based on U.S.G.S. Datum.

NOTE FINAL ELEVATION

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

FREDERICK H. REED
Registered Land Surveyor
No. 5313



Socony Mobil Oil Co., Inc.

Survey Of
Socony Mobil
No. 1 Navajo Tribe Tract 155
Apache County, Arizona

CLARK-REED & ASSOC.
Durango, Colorado

DATE: 3-11-64
FILE NO: 64018

272



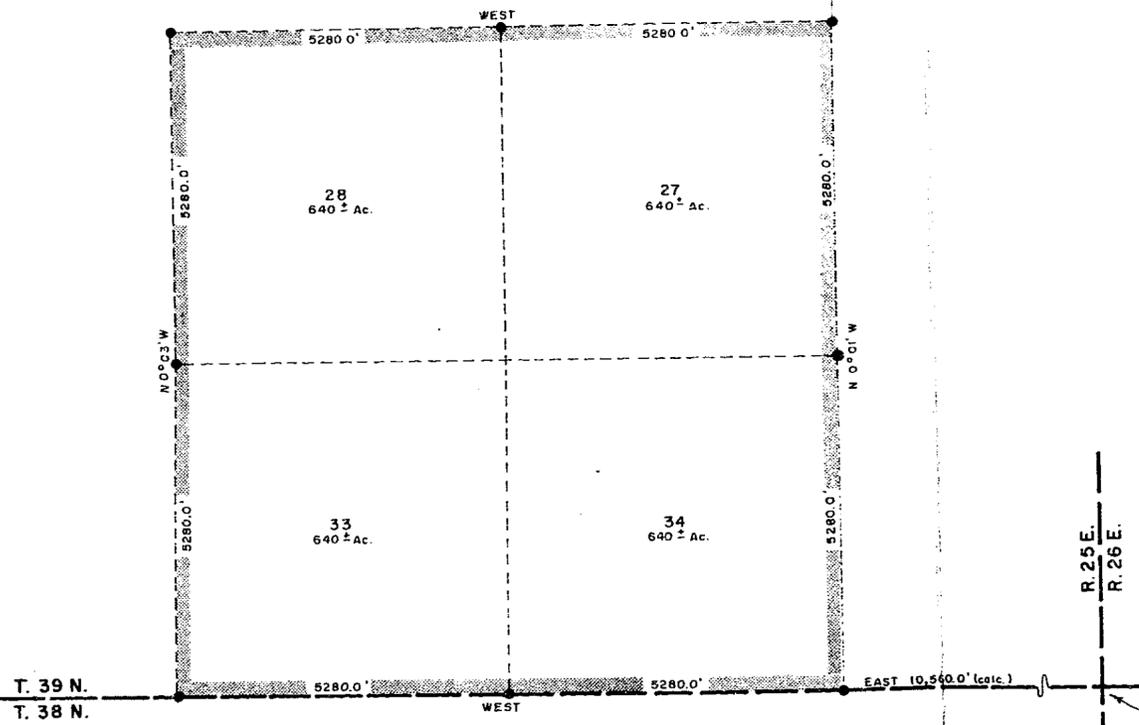
UNSURVEYED LANDS

TOTAL AREA, 2560 ± ACRES

R. 26 E.
R. 27 E.

T. 41 N.
T. 40 N.

FILE NO.
NAVAJO CONTRACT NO. 14-20-0603-8159
TRACT LEGAL DESCRIPTION
TRACT NO. 155
T. 39 N.-R. 25 E., G. & S. R.M. (UNSURVEYED)
SECTION 27; ALL
SECTION 28; ALL
SECTION 33; ALL
SECTION 34; ALL



(Calc)
Lat. 36° 44' 15.61" N
Long. 109° 35' 15.60" W

SCALE: 1" = 2000'

This survey made in accordance with
Arizona Protraction Diagram No. 37,
Bureau of Land Management, dated 2/11/60.

- LEGEND**
- Set 3/4" Capped & Marked Rod
 - ▬ Tract Boundary
 - - - Section Line

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

Frederick H. Reed

FREDERICK H. REED
Registered Land Surveyor
State of Arizona # 5313

Abil File
N-1397

SOCONY MOBIL OIL COMPANY, INC. LOS ANGELES DIVISION	
BOUNDARY SURVEY NAVAJO TRACT NO. 155 Sections 27, 28, 33 & 34 T. 39 N.-R. 25 E. Apache Co., Arizona	
CLARK REED & ASSOC Durango, Colorado	DATE Feb. 23, 1964 FILE NO. 64010

1000000
11/1/64
10 28-1MP 39N R-25E

January 19, 1971

O'Malley Insurance Company
Bond Department
2200 North Central
Phoenix, Arizona

Re: Federal Insurance Company Bond No. 8033-85-98 in the amount of \$25,000
issued to Mobil Oil Corporation September 13, 1967.

Franco Western Navajo #1
SW/4 NW/4 Sec. 22-T41N-R28E
Apache County
Our File #32

Socony Mobil Oil Navajo Tract 155-1
SE/4 NW/4 Sec. 28-T39N-R25E
Apache County
Our File #272

Gentlemen:

Records of this office indicate that Mobil Oil Corporation has fulfilled their obligations to the State of Arizona as to the requirements pertaining to the above captioned wells. We authorize termination of the subject bond effective January 19, 1971.

Very truly yours,

W. E. Allen, Director
Enforcement Section

jd
cc: Mobil Oil Corporation
P. O. Box 633
Midland, Texas 79701

Original bond
in file 32

Operator ~~SOX~~ MOBIL OIL CO

Bond Company Pacific Indemnity Co Amount 25,000

Bond No. 256595 Date Approved 11-5-65

Permits covered by this bond:

272 see file
32

CANCELLED

DATE 9-27-67

*Lee Taylor
Mobil
PO 1652
Casper 82601*

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 256595

That we: SOCONY MOBIL OIL COMPANY, INC.

of the County of: Los Angeles in the State of: California

as principal, and PACIFIC INDEMNITY COMPANY

of 3200 Wilshire Boulevard, Los Angeles, California 90005
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:

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

STATE OF CALIFORNIA,
County of LOS ANGELES ss.

On this 1st day of October in the year one thousand nine hundred and sixty-five
before me, ARLEEN C. JAWNY a Notary Public in and for said County and State, residing therein

duly commissioned and sworn, personally appeared HAROLD R. SMITH known to me to be



the duly authorized Attorney-in-Fact of PACIFIC INDEMNITY COMPANY, and the same person whose name is subscribed to the within instrument as the Attorney-in-Fact of said Company, and the said HAROLD R. SMITH

acknowledged to me that he subscribed the name of PACIFIC INDEMNITY COMPANY, thereto as surety and his own name as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year

State of California,
COUNTY OF LOS ANGELES } ss.

CO 5323-1 (11-63)

On October 1st, 1965,

before me, the undersigned, a Notary Public in and for said County and State, personally appeared F. A. Johnson

known to me to be the person whose name is subscribed to the within instrument as an attorney in fact of SOCONY MOBIL OIL COMPANY, INC., and acknowledged to me that he subscribed the name of SOCONY MOBIL OIL COMPANY, INC., thereto as principal and his own name as attorney in fact.

In Witness Whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

[Signature]
Notary Public in and for said County and State

My Commission Expires Sept 24, 1966

Countersigned at Phoenix, Arizona

Date of Issue 10/1/65

Form 1A029 60M 764

[Signature]
ROBBS, HESTER & ALEXANDER, INC.
LICENSED AGENT

CANCELLED
DATE 9-27-67

272

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 256595

That we: SOCONY MOBIL OIL COMPANY, INC.

of the County of: Los Angeles in the State of: California

as principal, and PACIFIC INDEMNITY COMPANY

of 3200 Wilshire Boulevard, Los Angeles, California 90005
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:

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

STATE OF CALIFORNIA,
County of LOS ANGELES

On this 1st day of October in the year one thousand nine hundred and sixty-five
before me, ARLEEN C. JAWNY a Notary Public in and for said County and State, residing therein

duly commissioned and sworn, personally appeared HAROLD R. SMITH known to me to be the duly authorized Attorney-in-Fact of PACIFIC INDEMNITY COMPANY, and the same person whose name is subscribed to the within instrument as the Attorney-in-Fact of said Company, and the said



HAROLD R. SMITH acknowledged to me that he subscribed the name of PACIFIC INDEMNITY COMPANY, thereto as surety and his own name as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this Certificate first above written.

Arleen C. Jawny
Notary Public in and for LOS ANGELES County of Los Angeles, State of California.

Form G1000 Rev. D 15M 165

ARLEEN C. JAWNY
MY COMMISSION EXPIRES APRIL 10, 1966

Nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, agreements or limitations of the policy or bond other than as above stated. This endorsement forms a part of PACIFIC INDEMNITY COMPANY

Policy Bond { Number . 256595

Issued to . Socony Mobil Oil Company, Inc.

Endorsement Effective. 10/1/65

Countersigned at . Phoenix, Arizona

Date of Issue . 10/1/65

Form 1A029 60M 764

[Signature]
PRESIDENT.
[Signature]
LICENSED AGENT
ROBBS, HESTER & ALEXANDER, INC.

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 256595

That we: SOCONY MOBIL OIL COMPANY, INC.

of the County of: Los Angeles in the State of: California

as principal, and PACIFIC INDEMNITY COMPANY

of 3200 Wilshire Boulevard, Los Angeles, California 90005
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:

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

No.

LICENSED AGENT COUNTERSIGNATURE ENDORSEMENT

State for which this endorsement is issued Arizona
Type of Policy or Bond Oil & Gas Drilling Bond
Premium for State \$250.00

Producing Agent or Broker Bayly, Martin & Fay, Inc.

The countersignature hereto is to be considered the valid countersignature to the undermentioned policy or bond, in so far as concerns that portion of the risk located in the State named above.

Nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, agreements or limitations of the policy or bond other than as above stated. This endorsement forms a part of PACIFIC INDEMNITY COMPANY

Policy Bond } Number . 256595

Issued to . Socony Mobil Oil Company, Inc.

Endorsement Effective- 10/1/65

Countersigned at . Phoenix, Arizona

Date of Issue . 10/1/65

Form IA029 60M 764

[Signature]
ROBBS, HESTER & ALEXANDER, INC.

[Signature]
PRESIDENT.

LICENSED AGENT

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 256595

That SOCONY MOBIL OIL COMPANY, INC.

of the County of: Los Angeles in the State of: California

as principal, and PACIFIC INDEMNITY COMPANY

of 3200 Wilshire Boulevard, Los Angeles, California 90005
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:

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

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 TWENTY-FIVE AND NO/100 DOLLARS (\$25,000.00)

Executed in duplicate

Witness our hands and seals, this 1st day of October, 1965

SOCONY MOBIL OIL COMPANY, INC.

By F. A. Johnson Principal Attorney in fact

Witness our hands and seals, this 1st day of October, 1965

PACIFIC INDEMNITY COMPANY

By Harold R. Smith 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 11-5-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Hamister

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

Permit No. _____

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 256595

That SOCONY MOBIL OIL COMPANY, INC.

of the County of: Los Angeles in the State of: California

as principal, and PACIFIC INDEMNITY COMPANY

of 3200 Wilshire Boulevard, Los Angeles, California 90005
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:

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

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 TWENTY-FIVE AND NO/100 DOLLARS (\$25,000.00)

Executed in duplicate

Witness our hands and seals, this 1st day of October, 1965

SOCONY MOBIL OIL COMPANY, INC.

By F. A. Johnson
F. A. Johnson ^{Principal} Attorney in fact

Witness our hands and seals, this 1st day of October, 1965

PACIFIC INDEMNITY COMPANY

By Harold R. Smith
Harold R. Smith ^{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 11-5-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Gannister

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

Permit No. _____

Power Attorney
PACIFIC INDEMNITY COMPANY
HOME OFFICE LOS ANGELES CALIFORNIA

KNOW ALL MEN BY THESE PRESENTS, that the PACIFIC INDEMNITY COMPANY, a corporation of the State of California, by authority of a resolution adopted by its Board of Directors at a meeting called and held on the 8th day of February, 1926, which said resolution is still in full force and effect and of which the following is a true and complete copy:

"RESOLVED, that the President or any Vice-President may from time to time appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact to represent and act for and on behalf of the Company, and either the President, or any Vice-President, the Board of Directors or the Executive Committee may at any time remove any such Resident Vice-President or Resident Assistant Secretaries and Attorneys-in-Fact and revoke the power and authority given him; and be it further

"RESOLVED, that Attorneys-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company, any and all bonds, recognizances, contracts of indemnity and other writings obligatory in the nature of a bond, recognizance or conditional undertaking, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Secretary; and be it further

"RESOLVED, that the Attorneys-in-Fact are hereby authorized to verify any affidavit required to be attached to bonds, recognizances or contracts of indemnity, policies of insurance and all other writings obligatory in the nature thereof."

does hereby make, constitute and appoint

_____ HAROLD R. SMITH _____

its true and lawful Attorney-in-Fact, with full power and authority to make, execute and deliver, for it, in its name and in its behalf, as surety any and all bonds and undertakings of suretyship not exceeding in any single instance the sum of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.)

And the execution of such bonds or undertakings, in pursuance of these presents, shall be as binding upon the said Corporation, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the said Corporation at its office in Los Angeles, California, in their own proper persons.

IN WITNESS WHEREOF, the PACIFIC INDEMNITY COMPANY has caused these presents to be signed by its Vice-President and its corporate seal to be hereto affixed, duly attested by its Assistant Secretary, this 26th day of March A.D. 1962

PACIFIC INDEMNITY COMPANY

Attest: C. H. Lambertson Assistant Secretary. By: R. L. Traviss Vice-President.

STATE OF CALIFORNIA }
 COUNTY OF LOS ANGELES } ss.:

On this 26th day of March A. D. 1962 before me personally came R. L. Traviss

to me known, who, being by me duly sworn, did depose and say, that he resides in the City of Los Angeles; that he is the Vice-President of the PACIFIC 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 the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

(Notarial Seal)

Marion F. Haire

Notary Public.

STATE OF CALIFORNIA }
 COUNTY OF LOS ANGELES } ss.:

My Commission expires November 11, 1963.

I, C. H. Lambertson Assistant Secretary of the PACIFIC INDEMNITY COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said PACIFIC INDEMNITY COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company, at the City of Los Angeles, this 1st day of October A. D. 1965

C. H. Lambertson

 Assistant Secretary.

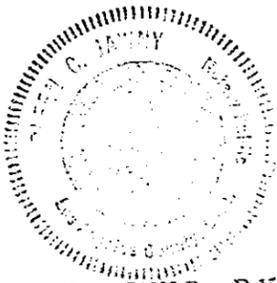
**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL AND GAS DRILLING
Bond No. 256595, executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100 - - DOLLARS (\$25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

STATE OF CALIFORNIA, LOS ANGELES,

County of _____
On this 7TH day of JAN. in the year one thousand nine hundred and SIXTY-SIX
before me, ARLEEN C. JAWNY a Notary Public in and for said County and State, residing therein
duly commissioned and sworn, personally appeared HAROLD R. SMITH known to me to be
the duly authorized Attorney-in-Fact of PACIFIC INDEMNITY COMPANY, and the same person whose
name is subscribed to the within instrument as the Attorney-in-Fact of said Company, and the said
HAROLD R. SMITH acknowledged to me
that he subscribed the name of PACIFIC INDEMNITY COMPANY, thereto as surety and his own name
as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year
in this Certificate first above written.



Form G1000 Rev. D 15M 165

Notary Public in and for _____ County of LOS ANGELES State of California.

ARLEEN C. JAWNY
MY COMMISSION EXPIRES APRIL 19, 1968

State of California, } ss.
COUNTY OF LOS ANGELES

CO 5323-1 (1-63)

On January 7, 1966,
before me, the undersigned, a Notary Public in and for said County and State, per-
sonally appeared Stanley Roller

known to me to be the person whose name is subscribed to the within instrument as
an attorney in fact of SOCONY MOBIL OIL COMPANY, INC., and acknowledged to
me that he subscribed the name of SOCONY MOBIL OIL COMPANY, INC., thereto
as principal and his own name as attorney in fact.

In Witness Whereof, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission Expires _____
My Commission Expires Sept 24, 1966

Notary Public in and for said County and State
June Statter

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL AND GAS DRILLING
Bond No. 256595 , executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100 - - DOLLARS (\$25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

IN CONSIDERATION of the premium charged for the attached bond, it is understood and agreed that
the said bond shall be and the same is hereby amended, effective as of OCTOBER 1, 1965
by ADDING FRANCO WESTERN OIL CO. #1 NAVAJO WELL:
SW/4NW/4 22-41N-28E, APACHE COUNTY, ARIZONA

PROVIDED, HOWEVER, that the attached bond as changed by this Rider shall be subject to all its agree-
ments, terms, conditions and limitations except as herein expressly modified, and that the liability under the attached
bond and under the attached bond as changed by this Rider shall not be cumulative and shall be limited in the
aggregate to the penalty of the said bond.

State of California,
COUNTY OF LOS ANGELES } ss.

CO 5323-1 (1-63)

On January 7, 1966,

before me, the undersigned, a Notary Public in and for said County and State, per-
sonally appeared Stanley Roller

known to me to be the person whose name is subscribed to the within instrument as
an attorney in fact of SOCONY MOBIL OIL COMPANY, INC., and acknowledged to
me that he subscribed the name of SOCONY MOBIL OIL COMPANY, INC., thereto
as principal and his own name as attorney in fact.

In Witness Whereof, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

June Slatter
Notary Public in and for said County and State
June Slatter

My Commission Expires _____
My Commission Expires Sept 24, 1966

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL AND GAS DRILLING
Bond No. 256595 , executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100 - - DOLLARS (\$25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

IN CONSIDERATION of the premium charged for the attached bond, it is understood and agreed that
the said bond shall be and the same is hereby amended, effective as of OCTOBER 1, 1965
by ADDING FRANCO WESTERN OIL CO. #1 NAVAJO WELL:
SW/4NW/4 22-41N-28E, APACHE COUNTY, ARIZONA

PROVIDED, HOWEVER, that the attached bond as changed by this Rider shall be subject to all its agree-
ments, terms, conditions and limitations except as herein expressly modified, and that the liability under the attached
bond and under the attached bond as changed by this Rider shall not be cumulative and shall be limited in the
aggregate to the penalty of the said bond.

SIGNED, SEALED and DATED this 7TH day of JANUARY, 1966.

SOCONY MOBIL OIL COMPANY, INC.

BY: Stanley Keller

Stanley Keller

PACIFIC INDEMNITY COMPANY

By: Harold R. Smith

HAROLD R. SMITH

Attorney-in-Fact.

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of **OIL AND GAS DRILLING**
Bond No. **256595**, executed by the **PACIFIC INDEMNITY COMPANY**, effective **OCTOBER 1, 1965**
in the amount of **TWENTY-FIVE THOUSAND AND NO/100 - - DOLLARS (\$25,000.00)** on behalf
of **SOCONY MOBIL OIL COMPANY, INC.**
and in favor of **STATE OF ARIZONA**

IN CONSIDERATION of the premium charged for the attached bond, it is understood and agreed that
the said bond shall be and the same is hereby amended, effective as of **OCTOBER 1, 1965**
by **ADDING FRANCO WESTERN OIL CO. #1 NAVAJO WELL:**
SW/4NW/4 22-41N-28E, APACHE COUNTY, ARIZONA

PROVIDED, HOWEVER, that the attached bond as changed by this Rider shall be subject to all its agree-
ments, terms, conditions and limitations except as herein expressly modified, and that the liability under the attached
bond and under the attached bond as changed by this Rider shall not be cumulative and shall be limited in the
aggregate to the penalty of the said bond.

State of California, }
COUNTY OF LOS ANGELES } ss.

CO 5323-1 (1-63)

On January 7, 1966,

before me, the undersigned, a Notary Public in and for said County and State, per-
sonally appeared Stanley Roller

known to me to be the person whose name is subscribed to the within instrument as
an attorney in fact of SOCONY MOBIL OIL COMPANY, INC., and acknowledged to
me that he subscribed the name of SOCONY MOBIL OIL COMPANY, INC., thereto
as principal and his own name as attorney in fact.

In Witness Whereof, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

222
My Commission Expires

My Commission Expires Sept 24, 1968

June Slater
Notary Public in and for said County and State
June Slater

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL AND GAS DRILLING
Bond No. 256595, executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100 - - DOLLARS (\$25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

IN CONSIDERATION of the premium charged for the attached bond, it is understood and agreed that
the said bond shall be and the same is hereby amended, effective as of OCTOBER 1, 1965
by ADDING FRANCO WESTERN OIL CO. #1 NAVAJO WELL:
SW/4NW/4 22-41N-26E, APACHE COUNTY, ARIZONA

PROVIDED, HOWEVER, that the attached bond as changed by this Rider shall be subject to all its agree-
ments, terms, conditions and limitations except as herein expressly modified, and that the liability under the attached
bond and under the attached bond as changed by this Rider shall not be cumulative and shall be limited in the
aggregate to the penalty of the said bond.

SIGNED, SEALED and DATED this 7TH day of JANUARY, 1966.

SOCONY MOBIL OIL COMPANY, INC.

BY: Stanley Koller
Stanley Koller

PACIFIC INDEMNITY COMPANY

By HAROLD R. SMITH Attorney-in-Fact.

Mobil Oil Corporation

612 SOUTH FLOWER STREET
LOS ANGELES, CALIFORNIA 90054



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

Att: Mr. John Bannister
Executive Secretary

GAS & OIL DRILLING BOND
FRANCO WESTERN OIL CO.
#1 NAVAJO WELL
BOND # 256595

Gentlemen:

Effective May 18, 1966, the name of this company was changed from Socony Mobil Oil Company, Inc., to Mobil Oil Corporation. The corporate entity, however, remains unchanged and all obligations remain the same.

We enclose a rider to the subject bond to indicate the change of name.

If there are any questions, please refer to the undersigned.

Very truly yours,

A handwritten signature in cursive script that reads "Stanley Roller".

Stanley Roller
Area Claim Department

SR/ach
Enclosure

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL & GAS DRILLING BOND
Bond No. 256595, executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100- - - - - DOLLARS (\$ 25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

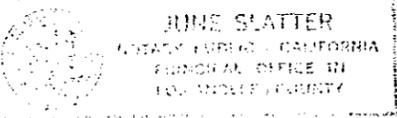
State of California, }
COUNTY OF LOS ANGELES } ss.

CO 5323-1 (11-63)

On October 24, 1966,

before me, the undersigned, a Notary Public in and for said County and State, personally appeared C. W. Austin Attorney in fact known to me to be the person whose name is subscribed to the within instrument as an attorney in fact of SOCONY MOBIL OIL COMPANY, INC., and acknowledged to me that he subscribed the name of SOCONY MOBIL OIL COMPANY, INC., thereto as principal and his own name as attorney in fact.

In Witness Whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.



June Scatter
Notary Public in and for said County and State

My Commission Expires Sept. 24, 1970

before me, ARLEEN C. JAWNY a Notary Public in and for said County and State, residing therein duly commissioned and sworn, personally appeared HAROLD R. SMITH known to me to be the duly authorized Attorney-in-Fact of PACIFIC INDEMNITY COMPANY, and the same person whose name is subscribed to the within instrument as the Attorney-in-Fact of said Company, and the said HAROLD R. SMITH acknowledged to me that he subscribed the name of PACIFIC INDEMNITY COMPANY, thereto as surety and his own name as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this Certificate first above written.

Notary Public in and for Los Angeles County of Los Angeles, State of California.

ARLEEN C. JAWNY
MY COMMISSION EXPIRES APRIL 10, 1968

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL & GAS DRILLING BOND
Bond No. 256595, executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100- - - - - DOLLARS (\$ 25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

IN CONSIDERATION of the premium charged for the attached bond, it is understood and agreed that
the said bond shall be and the same is hereby amended, effective as of MAY 18, 1966
by CHANGING THE NAME OF THE PRINCIPAL TO READ AS FOLLOWS:
MOBIL OIL CORPORATION

PROVIDED, HOWEVER, that the attached bond as changed by this Rider shall be subject to all its agree-
ments, terms, conditions and limitations except as herein expressly modified, and that the liability under the attached
bond and under the attached bond as changed by this Rider shall not be cumulative and shall be limited in the
aggregate to the penalty of the said bond.

before me, _____ a Notary Public in and for said County and State, residing therein
duly commissioned and sworn, personally appeared HAROLD R. SMITH known to me to be
the duly authorized Attorney-in-Fact of PACIFIC INDEMNITY COMPANY, and the same person whose
name is subscribed to the within instrument as the Attorney-in-Fact of said Company, and the said
HAROLD R. SMITH acknowledged to me
that he subscribed the name of PACIFIC INDEMNITY COMPANY, thereto as surety and his own name
as Attorney-in-Fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year
in this Certificate first above written.

Arleen C. Jawny
Notary Public in and for _____ County of _____ State of California.

ARLEEN C. JAWNY
MY COMMISSION EXPIRES APRIL 10, 1968

**RIDER
TO AMEND BOND**

TO BE ATTACHED to and form a part of OIL & GAS DRILLING BOND
Bond No. 256595 , executed by the PACIFIC INDEMNITY COMPANY, effective OCTOBER 1, 1965
in the amount of TWENTY-FIVE THOUSAND AND NO/100- - - - - DOLLARS (\$ 25,000.00) on behalf
of SOCONY MOBIL OIL COMPANY, INC.
and in favor of STATE OF ARIZONA

IN CONSIDERATION of the premium charged for the attached bond, it is understood and agreed that
the said bond shall be and the same is hereby amended, effective as of MAY 18, 1966
by CHANGING THE NAME OF THE PRINCIPAL TO READ AS FOLLOWS:
MOBIL OIL CORPORATION

PROVIDED, HOWEVER, that the attached bond as changed by this Rider shall be subject to all its agree-
ments, terms, conditions and limitations except as herein expressly modified, and that the liability under the attached
bond and under the attached bond as changed by this Rider shall not be cumulative and shall be limited in the
aggregate to the penalty of the said bond.

SIGNED, SEALED and DATED this 24TH day of OCTOBER , 19 66.

MOBIL OIL CORPORATION
BY: C. W. Austin
C. W. Austin Attorney in fact

PACIFIC INDEMNITY COMPANY
By: Harold R. Smith
HAROLD R. SMITH, Attorney-in-Fact.

BOND

KNOW ALL MEN BY THESE PRESENTS

Executed in duplicate
Premium \$50.00

BOND SERIAL NO. 8017-09-14

That we: Socony Mobil Oil Company, Inc.

of the County of: Los Angeles in the State of: California

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:

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

CO 5323-1 (1-63)

State of California,
COUNTY OF LOS ANGELES } ss.

On March 9, 1965,

before me, the undersigned, a Notary Public in and for said County and State, personally appeared Stanley Rolles

known to me to be the person whose name is subscribed to the within instrument as an attorney in fact of SOCONY MOBIL OIL COMPANY, INC., and acknowledged to me that he subscribed the name of SOCONY MOBIL OIL COMPANY, INC., thereto as principal and his own name as attorney in fact.

In Witness Whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Jane Statter
Notary Public in and for said County and State
Jane Statter

My Commission Expires _____

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Los Angeles the day and year in this certificate first above written.

CANCELLED
Notary Public in and for the County of Los Angeles, State of California.

My Commission expires September 19, 1968

DATE FLORENCE GRAESZEL
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY

10-1-65
PRINTED IN U. S. A.

BOND

KNOW ALL MEN BY THESE PRESENTS

Executed in duplicate
Premium \$50.00

BOND SERIAL NO. 8017-09-14

That we: Socony Mobil Oil Company, Inc.

of the County of: Los Angeles in the State of: California

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:

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

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.

Ten Thousand Dollars (\$10,000.00)

ACKNOWLEDGMENT OF ANNEXED INSTRUMENT

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

ss.

On this 9th day of March in the year one thousand nine hundred and sixty five before me, FLORENCE GRAESZEL, a Notary Public in and for the County of Los Angeles, residing therein, duly commissioned and sworn, personally appeared GLEN HUNTSBERGER, Jr., known to me to be the Attorney-in-Fact of FEDERAL INSURANCE COMPANY, the Corporation that executed the within instrument, and also known to me to be the person who executed the within instrument on behalf of the Corporation therein named and acknowledged to me that such Corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Los Angeles the day and year in this certificate first above written.

CANCELLED
Notary Public in and for the County of
Los Angeles, State of California.

My Commission expires September 19, 1968

DATE FLORENCE GRAESZEL
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY

10-1-65
PRINTED IN U. S. A.

BOND

KNOW ALL MEN BY THESE PRESENTS

Executed in duplicate
Premium \$50.00

BOND SERIAL NO. 8017-09-14

That we: Socony Mobil Oil Company, Inc.

of the County of: Los Angeles in the State of: California

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:

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

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 Ten Thousand Dollars (\$10,000.00)

Witness our hands and seals, this 9th day of March, 1965

SOCONY MOBIL OIL COMPANY, INC.

Stanley Collier
Stanley Collier, Attorney in fact Principal

Witness our hands and seals, this 9th day of March, 1965

COUNTERSIGNED BY: FEDERAL INSURANCE COMPANY

L. King Taylor
L. KING TAYLOR, RESIDENT AGENT
FEBRUARY 12, 1965
Glen Huntsberger, Jr.
Glen Huntsberger, Jr., 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: <u>3-1-65</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
By: <u>John Bannister</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Bond File Two Copies Form No. 2

DATE 10-1-65

West Coast
Division

790

KNOW ALL MEN BY THESE PRESENTS: That SOCONY MOBIL OIL COMPANY, INC., a corporation organized and existing under the laws of the State of New York, does hereby make, constitute and appoint F. A. JOHNSON and STANLEY ROLLER, and each of them, its true and lawful attorneys for it and in its name, place and stead, to execute bond applications, bonds and indemnifications for and on behalf of this corporation.

HEREBY REVOKING a similar Power of Attorney granted to F. A. Johnson and Stanley Roller, under date of October 5, 1962.

IN WITNESS WHEREOF, said SOCONY MOBIL OIL COMPANY, INC. has caused these presents to be signed by a vice president, and its corporate seal to be hereunto affixed and attested by an Assistant Secretary, this 31st day of January, 1963.

SOCONY MOBIL OIL COMPANY, INC.

By [Signature]
SENIOR Vice President

AL
ATTEST:
1 3 2

[Signature]
Assistant Secretary

cefc

STATE OF NEW YORK)
COUNTY OF NEW YORK) SS.:

On the 31st day of January, 1963, before me personally came G. S. DUNHAM, to me known, who, being by me duly sworn, did depose and say that he resides at 935 CHARLOTTE ROAD, BLAINFIELD, N. J.; that he is a SENIOR Vice President of SOCONY MOBIL OIL COMPANY, INC., the corporation described in and which executed the foregoing 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 order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

CANCELLED

DATE 10-1-65

CARL McCREA
Notary Public, State of New York
No. 41-7311135
Qualified in Queens County
Cert. filed in New York County
Term Expires March 30, 1965

NOTARY PUBLIC
STATE OF NEW YORK
CARL McCREA
790



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

612 SOUTH FLOWER STREET, LOS ANGELES, CALIF. 90054

November 1, 1965

Mr. John Bannister
Executive Secretary
Oil and Gas Conservation Commission
State of Arizona
1624 West Adams - Room 202
Phoenix, Arizona 85007

SUBJECT: Oil Well Blanket Bond

Dear Mr. Bannister:

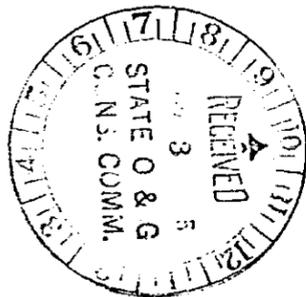
As requested in yours of October 21, we enclose Pacific Indemnity Bond number 256595 in the amount of \$25,000. We have had this bond made effective October 1, 1965, to make it coincide with the Rules and Regulations adopted by your Commission.

Upon acceptance of this bond, we would appreciate being advised of your release of Federal Insurance Company Bond number 8017-09-14.

Yours very truly,

F. A. JOHNSON
Area Claims Manager

FAJ/ach
Enclosure



272

October 21, 1965

Mobil Oil Company
612 South Flower Street
Los Angeles, California 90054

Attention: Mr. F.A. Johnson

Re: Federal Insurance Company Bond 8017 09 14

Gentleman:

As you are aware, the captioned bond in the amount of \$10,000 is on file with this Commission to cover bonding requirements of this Commission.

As a result of the public hearing held September 22, 1965 in Phoenix, Arizona concerning the Rules and Regulations of this Commission, the bonding requirements have been increased to \$5,000 for a single well and to \$25,000 for a state-wide blanket bond.

As required by law, a certified copy of the new Rules and Regulations was filed with the Secretary of State on October 1, 1965, and consequently the new Rules became effective on that date.

This letter is to request that at your earliest convenience you take the necessary steps to increase your statewide bond to \$25,000. Upon receipt of your new bond your old bond of course may be released.

Your earliest cooperation will be appreciated.

Yours very truly,

John Bannister
Executive Secretary
nr

272

September 27, 1967

Mobil Oil Corporation
P.O. Box 1652
Casper, Wyoming 82601

Attention: Mr. Robert D. Romek, Title Records Supervisor

Re: Pacific Indemnity Company Bond 256595

Gentlemen:

You have furnished this Commission with Federal Insurance Company blanket bond 8033-85-98. Inasmuch as this bond is now in full force and effect, this letter constitutes authority from this Commission to terminate captioned bond effective this date.

Very truly yours,

John Bannister
Executive Secretary
jr

cc: Pacific Indemnity Company
3200 Wilshire Boulevard
Los Angeles, Calif. 90005

272

November 5, 1965

Mobil Oil Company
612 South Flower Street
Los Angeles, California 90054

Attention: Mr. F.A. Johnson

Re: Pacific Indemnity Bond 256595

Gentlemen:

Attached is approved copy of captioned bond.

Since this bond is now in full force and effect, this letter will constitute authority from this Commission to terminate Federal Insurance Company Bond 8017-09-14 effective October 1, 1965.

Your cooperation is very much appreciated.

Very truly yours,

John Bannister
Executive Secretary
nr

cc: Federal Insurance Company
90 John Street
New York 38, New York

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March 9, 1965

Mobil Oil Company
612 South Flower Street
Los Angeles, California 90054

Attention: Mr. F.A. Johnson, Area Claim Manager

Re: Pacific Indemnity Company Bond No. 250949

Gentlemen:

Pursuant to your request of February 25, 1965 we return herewith the captioned bond which has been cancelled as of this date.

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

Yours very truly,

John Bannister
Executive Secretary

BT
enc

272



PAUL FANNIN
GOVERNOR
LYNN LOCKHART
CHAIRMAN
R. KEITH WALDEN
VICE CHAIRMAN
CHARLES KALIL, M.D.
MEMBER
ORME LEWIS
MEMBER
LUCIEN B. OWENS
MEMBER

Oil and Gas Conservation Commission

OFFICE OF
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

JOHN BANNISTER
EXECUTIVE SECRETARY
JOHN K. PETTY
PETROLEUM GEOLOGIST

March 2, 1965

Mobil Oil Company
612 South Flower Street
Los Angeles, California 90054

Attention: Mr. F.A. Johnson, Area Claim Manager

Re: Pacific Indemnity Company Bond No. 250949
and
Federal Insurance Company Bond No. 8017-09-14

Gentlemen:

This will acknowledge receipt of your letter of February 25, 1965 concerning the two captioned bonds.

This is to advise that the substitution of Federal Insurance Company Bond 8017-09-14 for Pacific Indemnity Company Bond 250949 is hereby approved, effective March 9, 1965.

We are returning herewith the duplicate copy of Federal Insurance Company bond wherein our acceptance is evidenced. The original copy of this bond will of course be retained by this office.

Inasmuch as Pacific Indemnity Company bond must remain in effect until March 9 we will maintain this bond in our office until its release date, at which time we will forward same to you.

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

Yours very truly,

John Bannister
Executive Secretary
mr
enc

cc: Pacific Indemnity Co., P.O. Box 3099, Terminal
Annex, Los Angeles, Calif. 90054

Federal Insurance Co., 90 John Street, New York 38,
New York

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Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

512 SOUTH FLOWER STREET, LOS ANGELES, CALIF. 90054

February 25, 1965

State Oil and Gas Conservation Commission
Room 202, 1624 W. Adams Street
Phoenix 7, Arizona

Attn: John K. Petty

BOND FOR DRILLING
OIL OR GAS WELL

Gentlemen:

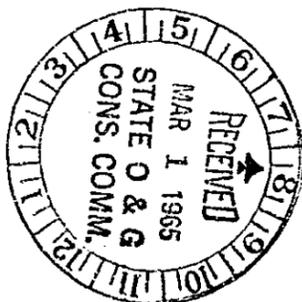
We have filed Pacific Indemnity Company bond No. 250949 in the amount of \$10,000 with you. This bond covers the bond requirement under the provisions of the Oil and Gas Conservation Act of 1951. The anniversary date of this bond is March 9, 1965.

At this time we wish to submit Federal Insurance Company bond No. 8017-09-14 to replace the Pacific Indemnity bond on the anniversary date. If this meets with your approval, we would appreciate your indicating your release of the Pacific Indemnity bond and returning the executed copies in your possession to the undersigned.

Very truly yours,

F. A. JOHNSON
Area Claim Manager

SRoller/eb



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THE NAVAJO TRIBE
WINDOW ROCK, ARIZONA

*File
Num. 155*



RAYMOND NAKAI
CHAIRMAN, Navajo Tribal Council

1 May 1964

NELSON DAMON
VICE CHAIRMAN, Navajo Tribal Council

Mr. Howard Gibson
District Exploration Superintendent
Mobil Oil Company
P. O. Box 3371
Durango, Colorado
Dear Mr. Gibson:

This is an acknowledgement in receipt of a letter from Mr. Henry F. Pohlmann, Oil and Gas Supervisor of the Navajo Tribe.

This is acknowledging the acquisition of water well located 2310' from North and 2310' from West, Section 28, T-39-N, R-25-E, known as Mobil No. 1 Navajo Tract 155.

Appreciate your effort, cooperation and help to accomplish this, I remain

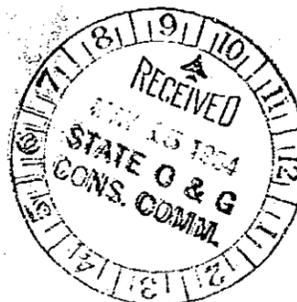
Very truly yours,

THE NAVAJO TRIBE

Cato M. Sells

CATO M. SELLS, Superintendent
Ground Water Development

CMS:ld:5/1/64





Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

P. O. Box 3371
Durango, Colorado
May 6, 1964

Mr. John Petty
Oil and Gas Conservation Commission
State of Arizona
Room 202, 1624 West Adams
Phoenix 7, Arizona

Dear Sir:

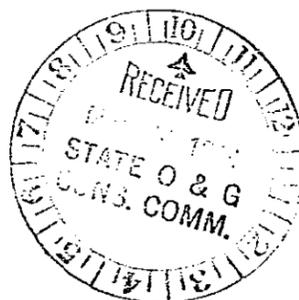
We have mailed you all information on our Mobil #1 Navajo 155 wildcat well in Arizona, and it is my understanding that the Navajo Tribe desires to complete this well as a water well. In compliance with their request, we left off the top surface plug and installed a valve to facilitate completion as a water well. We would appreciate receiving from you the release forms necessary to relieve us of our responsibility on this well. Mr. Henry Pohlman, Manager of the Navajo Oil and Gas Department has advised he will sign this release accepting responsibility for the well. We will complete these forms and mail them to you as soon as you can forward them to us.

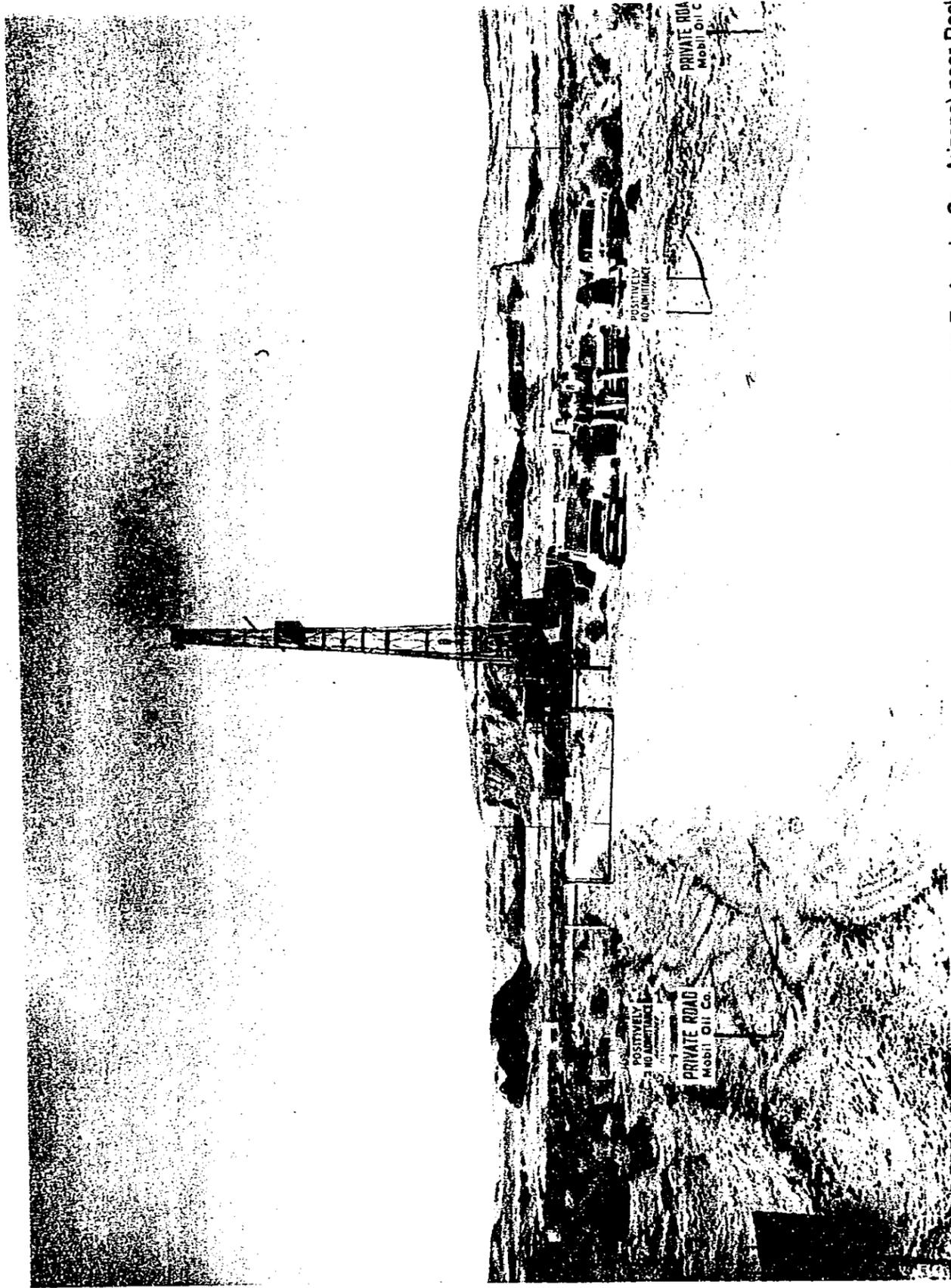
Thank you for your cooperation in keeping all information on our well confidential and if there are any additional forms you require, please send them to us.

Very truly yours,

David L. Morrow
District Geologist

DLM/gh





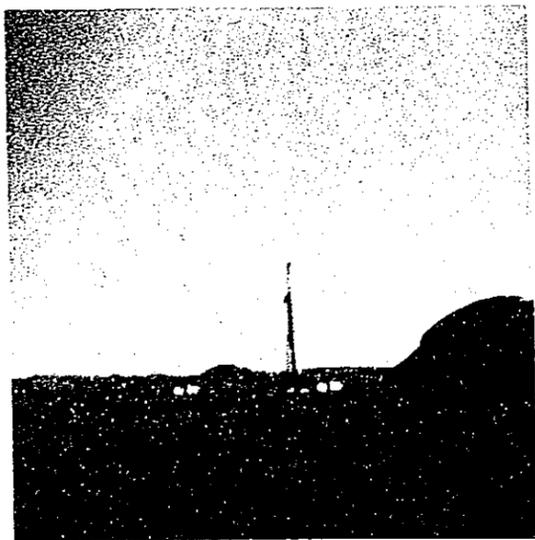
Scouting on a well on the Navajo Indian Reservation. Mobil No. 1 Navajo-155 (Sec. 28, T. 39 N.-R. 25 E., Apache Co., Arizona) near Rock Point. Drilled as a tie hole in Spring, 1964. Total depth of well was 5,644 feet in Precambrian. Figure on right is Dale Heitzman, Scout for The Superior Oil Company. Mobil's operation typical of a wildcat drilled "tight" in the heyday of Navajo lease sales in northeast Arizona.

SOCONY MOBIL

SE/4 NW/4 Section 28 - T39N - R25E, Apache County

April 16, 1964

#272



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CONFIDENTIAL



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

P. O. Box 3371
Durango, Colorado
March 20, 1964

Oil and Gas Conservation Commission
State of Arizona
1624 West Adams, Room 202
Phoenix 7, Arizona

Gentlemen:

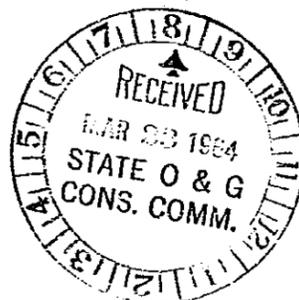
This is to advise you that the Mobil #1 Navajo Tribe, Tract 155, NW $\frac{1}{4}$ Sec. 28, T39N, R25E, Apache County, Arizona, spudded on 3/14/64. Please keep this information confidential.

Very truly yours,

David L. Morrow

David L. Morrow
District Geologist

DLM/gh



272 272

XXXXXXXXXX

March 16, 1964

Mr. William M. Kay, District Landman
Socony Mobil Oil Company, Inc.
P. O. Box 3371
Durango, Colorado

Re: Socony Mobil - Navajo Tribe-Tract 155 Well No. 1

Dear Bill:

Per your letter of March 12, 1964, wherein you request copy of approved bond, enclosed is a Thermo-Fax copy of approved Pacific Indemnity Company \$10,000.00 blanket Bond No. 250949 for drilling oil and gas wells within the state of Arizona.

For your information we are enclosing one of our current bond forms; however no additional bonds will be required for your drilling activities in Arizona so long as the present bond is in effect since it is a blanket bond covering any number of wells.

Very truly yours,

John Bannister
Executive Secretary

JB/mkc
Encl.

XXXXXXXXXX

March 13, 1964

Socony Mobil Oil Co., Inc.
P. O. Box 3371
Durango, Colorado

Attention: Mr. D. L. Morrow, District Geologist

Gentlemen:

Re: Socony Mobil - Navajo Tribe-Tract 155 #1

Enclosed is approved Application for Permit to Drill
in connection with above referenced location.

We wish you success in this venture.

Very truly yours,

John Bannister
Executive Secretary

JB/mkc
Encl.

XXXXXXXXXX

March 13, 1964

Mr. William M. Kay, District Landman
Socony Mobil Oil Company, Inc.
P. O. Box 3371
Durango, Colorado

Dear Bill:

I am sorry to tell you that we have inadvertently announced the drilling of the Socony Mobil - Navajo Tribe - Tract 155 No. 1 Well.

We did not know until this date that you had marked your application "Confidential". The fault lies entirely upon my shoulders and I do wish to apologize for this breach of confidence.

It is the firm policy of the Arizona Oil and Gas Conservation Commission to treat as confidential any information which we require be furnished us concerning the drilling, etc. of wells. Of course, some of our records such as our applications for permits are public records and as such must be furnished when requested.

In this case, however, I did fail to notice until just a moment ago your indication of confidential upon your permit. I can only extend my apology and ask for your indulgence. I sincerely hope that no harm will result.

Yours very truly,

John Bannister
Executive Secretary

JB:mkc



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

Post Office Box 3371
Durango, Colorado
March 12, 1964

Oil & Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix 7, Arizona

Att: Mr. John K. Petty

Gentlemen:

Attached is State of Arizona Blanket Bond for Drilling Oil and Gas Well numbered 250949, Socony Mobil Oil Company, Inc., Principal and Pacific Indemnity Company, Surety.

We note that there is a statement to be completed wherein the State Land Commissioner would approve the attached bond; consequently, we ask that you kindly advise us of the date of his approval or furnish us a photostat copy of approved bond.

Yours very truly,

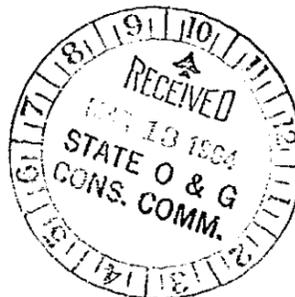
By *Wm. M. Kay*
Wm. M. Kay-District Landman

WMK:ob
Encl.

cc: L. O. Faris
Los Angeles, Calif.

H. H. Carrick
Santa Fe Springs, Calif.

*Mary please
send copy as
requested
Change Land Dept of
of land to public land
A. Underhill
to Eric Sh
JB*



Bond in
Organization Report
in 3-13-64

Mary do not
release until bond
is in office. Set Mr
Nemoes when it does come
in. JB 3-13-64

Mr. Bannister

March 11, 1964
4:35

Mr. Harold R. Smith, attorney in fact for Pacific
Indemnity Company, Dunkirk 5-2471, Los Angeles,
called to advise that Bond No. 250949 in behalf
of Socony Mobil Company had been delayed, but should
reach our office tomorrow.

Executed \$10,000 bond.

Re: Socony-Mobil Inc. #1 Navajo Trike # 155
SENW (2310' from N & W) 28-39N-25E
Apache County
5700' Pre cambrian test - oil
Bill Kay landman Durango
PH 303 247-4260

#272

XXXXXXXXXX

March 6, 1964

Mr. Marshall Kay, Superintendent
Mobil Producing Company
P. O. Box 3311
Durango, Colorado

Re: Drilling in Arizona

Dear Marshall:

It certainly is good news about your going to drill in northeast Arizona.

You're familiar with your U.S.G.S. requirements in their Farmington office. We cooperate with them on casing requirements for water shut off.

I'm sending you some forms, etc. First bill out the application for permit to drill. Send it, a \$25 fee, and your bond (if you have applied for it, specify that) and organization report. When you have spudded, let us know the date and send us monthly reports on your drilling or producing.

Send us two completion forms. If plugged and abandoned, fill those papers out too.

Send the samples to the Four Corners Sample Cut Association at Farmington.

This will start you off.

Best wishes,

John K. Petty
Petroleum Geologist

JKP:mkc
Encl.