

P-W

JCM DRILLING #1 NAVAJO-MOBILE  
NW NW 16-39N-25E Apache County 382

COUNTY Apache AREA 12 mi S. Mexican Water LEASE NO. Nav 14-20-0603-8156

WELL NAME J C M Drilling #1 Navajo-Mobil

LOCATION NW NW SEC 16 TWP 39N RANGE 25E FOOTAGE 865' FWL 1095 FNL  
 ELEV 5029.3 GR KB SPUD DATE 3-10-67 STATUS \_\_\_\_\_ TOTAL \_\_\_\_\_  
 COMP. DATE 4-7-67 DEPTH 6031'

CONTRACTOR Self

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
11 3/4	336'		NA	<input checked="" type="checkbox"/>
8 5/8	1334'			<input type="checkbox"/>

DRILLED BY CABLE TOOL   
 PRODUCTIVE RESERVOIR \_\_\_\_\_  
 INITIAL PRODUCTION P&A

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
DeChelly	1604'		x	AM STRAT DIFFERS
Organ Rock	2232'			
Honaker Trail	3609'			
Ismay	4252'			
Desert Creek	4358'			
Akah	4452'			
Barker Creek	4696'			
L. Paradox	4773'			
Mississippian	5036'			
Ouray	5332'			
Elbert	5360'			
PreCambrian	5382'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
IES, Borehole Comp. Sonic/GR	NA	NA	Am Strat
			SAMPLE DESCRP.
			SAMPLE NO. <u>1385*</u>
			CORE ANALYSIS <u>_____</u>
			DSTs <input checked="" type="checkbox"/>
			*2074

REMARKS Designation of Operator from Mobil  
4-4-67 Church (JCM) phoned preparing to P&A Scurlock  
to be on site. Samples delivered to Farmington

APP. TO PLUG   
 PLUGGING REP.   
 COMP. REPORT

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

BOND CO. Continental Casalty Co. BOND NO. 1015783  
 BOND AMT. \$ 5,000 CANCELLED 3-18-68 DATE \_\_\_\_\_  
 ORGANIZATION REPORT 2-23-67  
 FILING RECEIPT 9476 LOC. PLAT  WELL BOOK  PLAT BOOK   
 API NO. 02-001-20007 DATE ISSUED 3-8-67 DEDICATION W/2 NW/4

PERMIT NUMBER 382



## WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

SIGNATURE TYPE OF COMPLETION:

New Well  
  Work-Over  
  Deepen  
  Plug Back  
  Same Reservoir  
  Different Reservoir  
  Oil  
  Gas  
  Dry

### DESCRIPTION OF WELL AND LEASE

Operator <b>J. C. M. Drilling Co.</b>		Address <b>918 Lamar St., Wichita Falls, Texas</b>	
Federal, State or Indian Lease Number or name of lessor if fee lease <b>14-20-0603-8156</b>		Well Number <b>Navajo-Mobil # 1</b>	Field & Reservoir <b>Wildcat</b>
Location <b>865 FwL 1095 FwL</b>		County <b>Apache</b>	
Sec. TWP-Range or Block & Survey <b>Sec 16 39N 25E</b>			
Date spudded <b>3-10-67</b>	Date total depth reached <b>4-5-67</b>	Date completed, ready to produce <b>Dry</b>	Elevation (DF, RKB, RT or Gr.) feet <b>Gr 5029</b>
Elevation of casing hd. flange feet <b>5029</b>		Total depth <b>6031</b>	
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 <b>Dry</b>		Rotary tools used (interval) <b>0 to TD</b>	Cable tools used (interval)
Was this well directionally drilled? <b>NO</b>	Was directional survey made?	Was copy of directional survey filed?	Date filed
Type of electrical or other logs run (check logs filed with the commission) <b>Schlumberger IES SONIC</b>			Date filed <b>4-7-67</b>

### 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 3/4	11 3/4	42	336	125	0
Inter	10 5/8	8 5/8	24	2,300	110	970

### LINER RECORD

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

### PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
None				

### INITIAL PRODUCTION

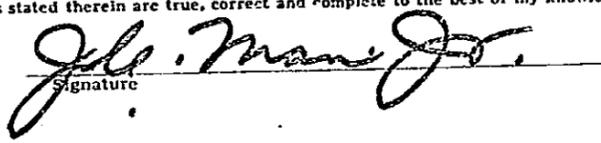
Date of first production: **Dry**      Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
Tubing pressure	Casing pressure	Cal'cd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the OWNER of the J.C.M. Drilling Co. (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 4-20-67

  
 Signature

Permit No. 382

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*
			<p>ELECTRIC LOGS MAILED AS PER ATTACHED SHEET</p> <p>B.S.T. #1 AS PER ATTACHED SHEET</p> <p>NO CORES</p>

# 382

\* 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:

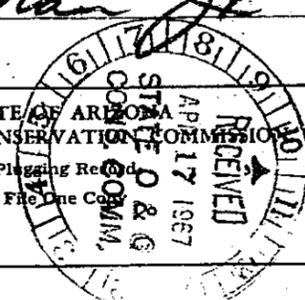
Attach drillers log or other acceptable log of well.

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.

Form No. 4

6

PLUGGING RECORD					
Operator <b>J.C.M. Drilling Company</b>			Address <b>918 Lamar, Wichita Falls, Texas</b>		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. <b>No. 14-20-0603-8156</b>		Well No. <b>1</b>	Field & Reservoir <b>Wildcat</b>		
Location of Well <b>1095° FM 865° FM</b>		Sec-Twp-Rge or Block & Survey <b>Sec. 16-39N-25E</b>		County <b>Apache</b>	
Application to drill this well was filed in name of <b>J.C.M. Drilling Co.</b>		Has this well ever produced oil or gas <b>No</b>	Character of well at completion (initial production): Oil (bbls/day) _____ Gas (MCF/day) _____		Dry? <b>Yes</b>
Date plugged: <b>4-6-67</b>	Total depth <b>6031'</b>	Amount well producing when plugged: Oil (bbls/day) _____ Gas (MCF/day) _____		Water (bbls/day) _____	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation <b>None</b>	Depth interval of each formation <b>None</b>	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.		
			<b>5450'-5650'-70 ska.</b>		
			<b>5000'-5100'-60 ska.</b>		
			<b>4150'-4250'-45 ska.</b>		
			<b>3900'-4000'-40 ska.</b>		
			<b>1000'- 50 ska.</b>		
			<b>20 ska. in top surface pipe.</b>		
plugged as per instruction from USGS					
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
<b>1 1/2"</b>	<b>336'</b>	<b>None</b>	<b>336'</b>		
<b>8 5/8"</b>	<b>2300'</b>	<b>966'</b>	<b>1334'</b>	<b>Jet Cutter</b>	<b>966' 2300' shoes</b>
Was well filled with mud-laden fluid, according to regulations? <b>Yes</b>				Indicate deepest formation containing fresh water. <b>1600'</b>	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
<b>Tex. Inc.</b>	<b>Box 2100 Denver Colorado</b>		<b>West &amp; North</b>		
<b>Amerada Petr. Corp.</b>	<b>Box 601 Durango, Colorado</b>		<b>North West</b>		
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <b>OWNER</b> of the <b>J.C.M. Drilling Co.</b> (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 <b>4-6-67</b>	Signature <i>J. C. M. Drilling Co.</i>				
Permit No. <b>382</b>	Form No. 10				



382

1

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat  
OPERATOR J.C.M. Drilling Company ADDRESS 918 Lamar, Wichita Falls, Texas  
Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease No. 14-20-0603-8156 WELL NO. 1  
SURVEY 39N-25E- SECTION 16 COUNTY Apache  
LOCATION 1095' From N.L. 865' from West line

TYPE OF WELL Dry Hole TOTAL DEPTH 6031'  
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned)

LAST PRODUCTION TEST OIL X (Bbls.) WATER X (Bbls.)  
GAS X (MCF) DATE OF TEST X

PRODUCING HORIZON X PRODUCING FROM X TO X

1. COMPLETE CASING RECORD 336'-1 1/2" surface casing  
2300'-8 5/8 casing

2. FULL DETAILS OF PROPOSED PLAN OF WORK plugs 5650'-5450' 5000'-5100' 4150'-4250'  
3900'-4000' 1000'-1100' Pulled 970' of 8 5/8 casing plug at top of  
surface pipe

As per instructions from USGS

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 4-6-67

NAME OF PERSON DOING WORK Blackmon Cementing Service ADDRESS P.O. Box 1217 Farmington, N.M.

CORRESPONDENCE SHOULD BE SENT TO J.C. Man, Jr.  
Name Owner  
Title 918 Lamar, Wichita Falls, Texas  
Address 4-5-67  
Date

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

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Abandon and Plug  
File Two Copies  
RECEIVED  
MAY 21 1967  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Form No. 9

Permit No. 382

4

TEXACO  
INC.

PETROLEUM PRODUCTS



Please reply to:  
P. O. Box 810  
Farmington, New Mexico  
87401

May 11, 1967

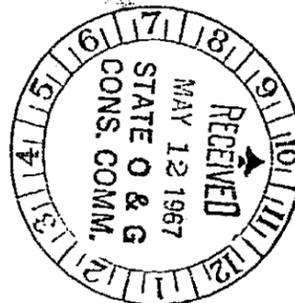
Formation Tops

Mr. J. R. Scurlock  
Oil and Gas Conservation Commission  
State of Arizona  
1624 West Adams  
Phoenix, Arizona 85007

Dear Sir:

Listed below are the formation tops you requested  
for the J. C. Man Drilling #1 Navajo Mobil in Sec. 16,  
T39N, R25E, Apache County, Arizona.

DeChelly	1604
Organ Rock	2232
Honaker Trail	3609
Ismay	4252
Desert Creek	4358
Akah	4452
Barker Creek	4696
L. Paradox	4773
Mississippian	5036
Ouray	5332
Elbert	5360
Precambrian	5382



As there are other operators involved in the  
drilling of this well, we request that you keep the above  
data confidential for the next six months.

Very truly yours,

*A. P. McConnell Jr / A.S.F.*

A. P. McConnell, Jr.  
District Geologist

RSF:rm

382  
2

WELL SITE CHECK

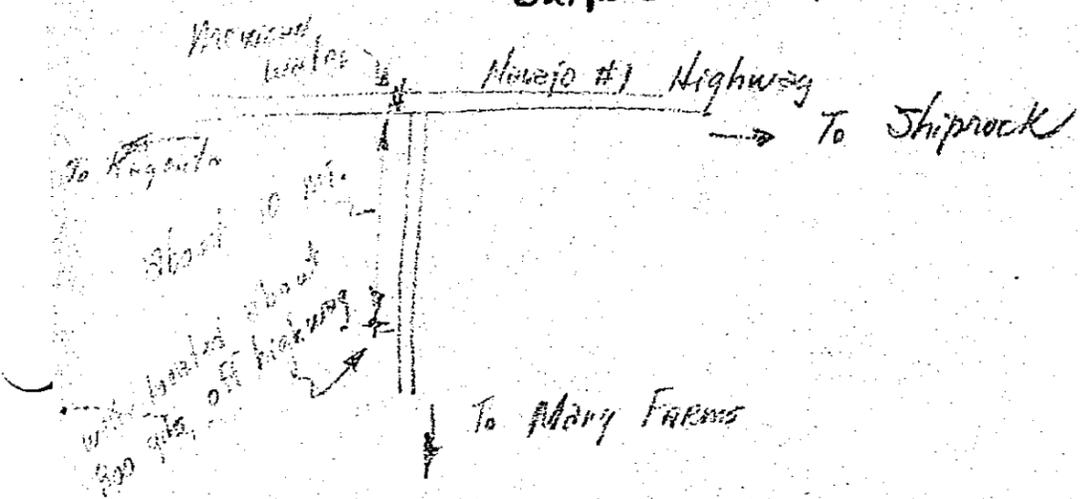
By JCB  
Date 4-26-67

Contractor J. C. Mann Jr Person(s) Contacted \_\_\_\_\_  
 Spud Date 3-10-67  
4-7-67 (Cmpl)  
 Type Rig \_\_\_\_\_ Rotary Cable Tool Present Operations \_\_\_\_\_  
 Samples \_\_\_\_\_  
 Pipe \_\_\_\_\_ Drilling with Air Mud \_\_\_\_\_  
 Water Zones \_\_\_\_\_ Size Hole \_\_\_\_\_  
 Lost Circ. Zones \_\_\_\_\_ Size Drill Pipe \_\_\_\_\_  
 Formation Tops \_\_\_\_\_ Type Bit \_\_\_\_\_  
 Cores, Logs, DST \_\_\_\_\_ No. Bit \_\_\_\_\_ Drilling Note \_\_\_\_\_  
 \_\_\_\_\_ Formation \_\_\_\_\_  
 Crews \_\_\_\_\_ Lithology \_\_\_\_\_

REMARKS, PHOTO, MAP

Plugged 5650 to 5450 60 SX  
 5100 to 5000 45 SX  
 4250 to 4150 40 SX  
 4000 to 3900 50 SX  
 1000 - Surface pipe 50 SX  
 Surface 20 SX

Rig still on location - stacked out. Location pipe A-OK. (i.e., all essential data welded on pipe.)



WELL NAME JCM Drilling #Navajo-Mobil  
NW NW 16-39N-25E  
865 FWL - 1095 FNL

Permit No. 382  
 Confidential: yes (NO)

UNITED STATES  
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. RESVR.  Other

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 605' N. L., 1025' E. of ...

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

25. TYPE ELECTRIC AND OTHER LOGS RUN

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

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD 30. TUBING RECORD

Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT\*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Table with columns: DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., OIL GRAVITY

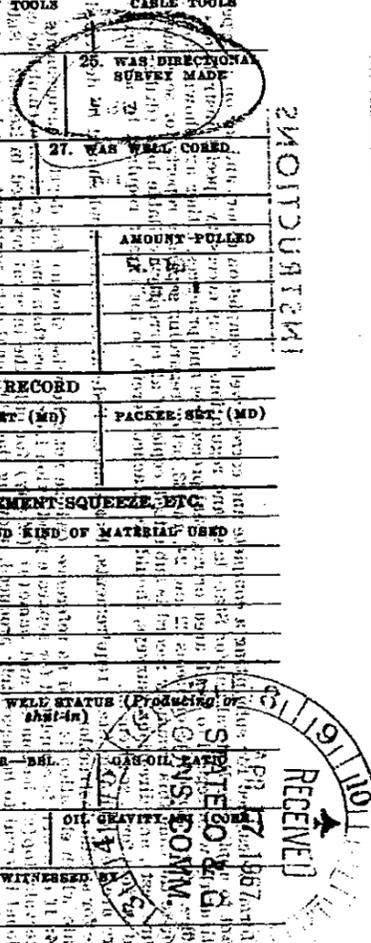
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE [Title] DATE [Date]

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



302

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lapins 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 83, below regarding separate reports for separate completions. Formations, geologists, sample and core analysis, all types electric, etc.), formations 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 33.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Cite 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 83. 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.)

FORMATION		GEOLOGIC MARKERS	
TOP	BOTTOM	NAME	MEAS. DEPTH
5200	5370		
<p>CEMENT</p> <p>5200 - 5370</p> <p>5370 - 5400</p> <p>5400 - 5450</p> <p>5450 - 5500</p> <p>5500 - 5550</p> <p>5550 - 5600</p> <p>5600 - 5650</p> <p>5650 - 5700</p> <p>5700 - 5750</p> <p>5750 - 5800</p> <p>5800 - 5850</p> <p>5850 - 5900</p> <p>5900 - 5950</p> <p>5950 - 6000</p> <p>6000 - 6050</p> <p>6050 - 6100</p> <p>6100 - 6150</p> <p>6150 - 6200</p> <p>6200 - 6250</p> <p>6250 - 6300</p> <p>6300 - 6350</p> <p>6350 - 6400</p> <p>6400 - 6450</p> <p>6450 - 6500</p> <p>6500 - 6550</p> <p>6550 - 6600</p> <p>6600 - 6650</p> <p>6650 - 6700</p> <p>6700 - 6750</p> <p>6750 - 6800</p> <p>6800 - 6850</p> <p>6850 - 6900</p> <p>6900 - 6950</p> <p>6950 - 7000</p> <p>7000 - 7050</p> <p>7050 - 7100</p> <p>7100 - 7150</p> <p>7150 - 7200</p> <p>7200 - 7250</p> <p>7250 - 7300</p> <p>7300 - 7350</p> <p>7350 - 7400</p> <p>7400 - 7450</p> <p>7450 - 7500</p> <p>7500 - 7550</p> <p>7550 - 7600</p> <p>7600 - 7650</p> <p>7650 - 7700</p> <p>7700 - 7750</p> <p>7750 - 7800</p> <p>7800 - 7850</p> <p>7850 - 7900</p> <p>7900 - 7950</p> <p>7950 - 8000</p> <p>8000 - 8050</p> <p>8050 - 8100</p> <p>8100 - 8150</p> <p>8150 - 8200</p> <p>8200 - 8250</p> <p>8250 - 8300</p> <p>8300 - 8350</p> <p>8350 - 8400</p> <p>8400 - 8450</p> <p>8450 - 8500</p> <p>8500 - 8550</p> <p>8550 - 8600</p> <p>8600 - 8650</p> <p>8650 - 8700</p> <p>8700 - 8750</p> <p>8750 - 8800</p> <p>8800 - 8850</p> <p>8850 - 8900</p> <p>8900 - 8950</p> <p>8950 - 9000</p> <p>9000 - 9050</p> <p>9050 - 9100</p> <p>9100 - 9150</p> <p>9150 - 9200</p> <p>9200 - 9250</p> <p>9250 - 9300</p> <p>9300 - 9350</p> <p>9350 - 9400</p> <p>9400 - 9450</p> <p>9450 - 9500</p> <p>9500 - 9550</p> <p>9550 - 9600</p> <p>9600 - 9650</p> <p>9650 - 9700</p> <p>9700 - 9750</p> <p>9750 - 9800</p> <p>9800 - 9850</p> <p>9850 - 9900</p> <p>9900 - 9950</p> <p>9950 - 10000</p>			

871-233

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-653596

(See instructions and spaces for additional data on reverse side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> <b>Dry Hole</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>No-14-20-0603-8156</b>																
2. NAME OF OPERATOR <b>J.C.M. Drilling Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo Tribal</b>																
3. ADDRESS OF OPERATOR <b>918 Lamar, Wichita Falls, Texas</b>		7. UNIT AGREEMENT NAME																
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>865' FWL-1095' FNL of SEC. 16-39N-25E</b> <b>Apache County, Arizona</b>		8. FARM OR LEASE NAME <b>Navajo Tribal</b>																
14. PERMIT NO. <b>382</b>	15. ELEVATIONS (Show whether OF, BT, OR, etc.) <b>GL 5029-DF 5042-48 5043</b>	9. WELL NO. <b>1</b>																
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT <b>Midcot</b>																
<table border="0"> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input checked="" type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input checked="" type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 16-39N-25E</b>
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>															
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input checked="" type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>															
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>															
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>																
17. 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.)		12. COUNTY OR PARISH <b>Apache</b>																
<p>Plug 5450'-5650'-70 sks. 5000'-5100'-60 sks.</p> <p>4150'-4250'-45 sks. 3900'-4000'-40 sks.</p> <p>50 sks. @ 1000' top of 8 5/8 casing</p> <p>20 sks. in top of surface pipe</p>		13. STATE <b>Arizona</b>																

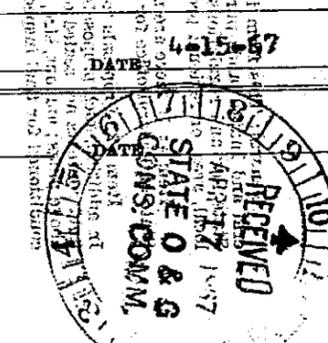
18. I hereby certify that the foregoing is true and correct

SIGNED J.C.M. Drilling Co. TITLE part DATE 4-15-67

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



302

9



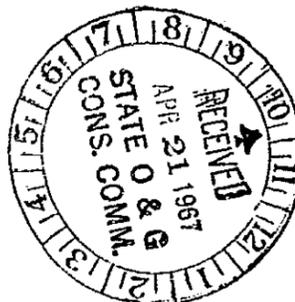
P. O. BOX 1217 FARMINGTON, NEW MEXICO PH. 325-6997

APRIL 10, 1967

SERVICE TICKET #3457 PLUGGING REPORT ON J. C. M. DRILLING CO.,  
NAVAJO MOBILE #1, APACHE Co. ARIZONA.  
WELL PLUGGED AS FOLLOWS.

SPOT 70 SKS. CEMENT 5650 TO 5450 - SPOT 60 SKS. 5000 TO 5100 -  
SPOT 45 SKS. 4250 TO 4150 - SPOT 40 SKS. 3900 TO 4000 - SPOT 50 SKS.  
1000 - SPOT 20 SKS. TOP OF SURFACE PIPE.

W. W. Blackmon  
W. W. BLACKMON



382

10

9-5

SCHLUMBERGER WELL SERVICES  
A Division of Schlumberger Technology Corporation  
HOUSTON, TEXAS 77001

PLEASE REPLY TO  
SCHLUMBERGER WELL SERVICES  
10 APRIL 1967

J. C. MANN DRILLING CO.  
918 LAMAR  
WICHITA FALLS, TEXAS 76301  
Attn:

Dear Sir:

Enclosed are 3 prints of the IES & BHC/ER on:  
Company J.C. MANN DRLG. CO., Well NAVAJO MOBOL #1  
Field WILDCAT, County APACHE State ARIZONA

Additional prints are being sent to:

2 prints + SEPIA  
AMERADA PETROLEUM CORP.  
DRAWER 601  
DURANGO, COLO. 81301

1 prints  
BIA  
PETROLEUM PLAZA  
FARMINGTON, N.M. 87401

2 prints + SEPIA  
TEXACO  
P. O. BOX 810  
FARMINGTON, N.M. 87401

1 prints  
ARIZONA OIL & GAS  
SUITE 202  
1626 ADAMS ST.  
PHOENIX, ARIZONA 85034

3 prints  
MOBIL OIL CO.  
P. O. BOX 1652  
CASPER, WYOMING 82601  
ATTN: KEN JOHNSTON

1 prints  
JOHN HILL  
900 SOUTHLAND CENTER  
DALLAS, TEXAS 75203

2 prints  
U. S. G. S.  
P. O. BOX 959  
FARMINGTON, N.M. 87401

prints

The film is MAILED TO:

J. C. MANN DRILLING CO.  
918 LAMAR  
WICHITA FALLS, TEXAS 76301

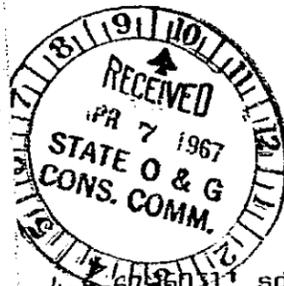
We appreciate the privilege of serving you.

Very truly yours,  
SCHLUMBERGER WELL SERVICES

J. H. JONES BY BB  
DISTRICT MANAGER

382

April 6, 1967  
Permit #382



Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

4-6-67-6031' sd. sh.-Bit #21 made 82' in 13 hr.-They are no logging and made 42' the last 24 hr.-12 1/2 hr. drilling-5 1/2 hr. tripping-1/4 hr. survey-1/4 hr. rig service-1 Hr. repair-2 hr. circulated-2 1/2 hr. logging.

J.C.M. Drilling Company

April 10, 1967



Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

4-7-67-6031' TD-They are plugging now & getting ready to back casing off-Ran logs from 5650' to 5450' & used 70 sk. cement plugged down that time at 7:30 P.M.-Pulled up 5100' to 5000' used 60 sk. cement-Plugged down at 8:35 P.M.-Pulled up 4250' to 4150' used 45 sk. cement plugged down 9:30 P.M.

J.C.M. Drilling Company

342

12

Crew driving 90 miles from Farmington  
 8 hr tower. #4.20 driller  
 pay: 3.30 derrick;  
 3.20 floor

WELL SITE CHECK

Mobil  
 geologist  
 from  
 Cooper  
 By *[Signature]*  
 Date 4-6-67

Contractor JCM Dril. Co Person(s) Contacted Chuck Wheeler  
Jim Driller

Spud Date \_\_\_\_\_ Rotary  Cable Tool Present Operations TD

Type Rig \_\_\_\_\_  
 Samples will be det. To cut Farmington

Pipe Set 13 3/8 @ 306' (KB)  
Set 8 5/8 @ 2300' (KB)  
 Water Zones \_\_\_\_\_

Lost Circ. Zones \_\_\_\_\_  
 Formation Tops \_\_\_\_\_

Cores, Logs, DST No cores  
 Drilling with Air Mud  
 Size Hole \_\_\_\_\_  
 Size Drill Pipe \_\_\_\_\_  
 Type Bit 4 W 4 Smith 7 7/8"  
 No. Bit \_\_\_\_\_ Drilling 100' per day

Crews \_\_\_\_\_ Lithology \_\_\_\_\_

REMARKS, PROTO, MAP  
 { Jucaco had geologist on well  
Mobil  
Adriatic " " " "  
Ameriada " " " " }

TOPS: (cont.)  
 pre Cambrian(?) metamorphosed  
 rock 5381  
 igneous 5716 - 5773  
 igneous rock 5839-65  
 meta Quartzite 5936-6003  
 TD 6031 Inl  
 6026 Schl

Tops  
 Chinke 633  
 De Chelly 1604  
 Oregon Rock 2090  
 Cedar Mesa 2823  
 Hermosa 3612  
 Molaa 4937  
 Miss 5036  
 Ouray 5294  
 Elbert 5328

[present operations: logging.]

DST #1: 5603-5700. 3/4" chk at bottom,  
 1/4" chk top; No urte blanket; Opn 10" - very wk  
 blow; SI 30"; Opn 60" No blow, SI 60",  
 Rec 5' Mud. IF 53#; FF 80#; ISIP 53#;  
 FSIP 80#; IH 2801; FH 272

WELL NAME JCM Dril #1 Navajo-Mobil Permit No. 382  
 Confidential: yes  No

April 4, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

4-4-67- 5905' sand-Bit #20 in hole-Made 82' the last 24  
hr.-13½ hr drilling--1¼ hr. trip-1 hr. circulated-7¼ hr.  
run logs



J.C.M. Drilling Company

April 5, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

4-5-67-5989' Green Sd.-Bit #21 is in hole-They made 84' the  
last 24 hr.-Bit #20 Came out at 5923'-12¼ hr. drilling-3¼  
hr. tripping-¼ hr. rig service-7¼ hr. Circulating



J.C.M. Drilling Company

302

H

3-D

Flow Time	1st Min. 10	2nd Min. 60	Date	4-1-67	Ticket Number	443356
Closed In Press. Time	1st Min. 30	2nd Min. 60	Kind of Job	OPEN HOLE	Halliburton District	FARMINGTON
Pressure Readings	Field	Office Corrected	Tester	MR. SMITH	Witness	MR. MANN
Depth Top Gauge	5580 Ft.	Blanked NO	Drilling Contractor	COMPANY TOOLS	IC	
BT. P.R.D. No.	786	Hour 24	Elevation	5043'	Top Packer	5598'
Initial Hydro Mud Pressure	-	2730	Total Depth	5700'	Bottom Packer	5603'
Initial Closed in Pres.	-	28	Interval Tested	5700'-5603'	Formation Tested	-
Initial Flow Pres.	-	1 12	Casing or Hole Size	7 7/8"	Casing } Top	
Final Flow Pres.	-	2 12	Surface Choke	1/4"	Perfs. } Bot.	
Final Closed in Pres.	-	24	Size & Kind Drill Pipe	4 1/2" X.H.	Bottom Choke	3/4"
Final Hydro Mud Pressure	-	2724	Mud Weight	9.3	Drill Collars Above Tester	2 1/2" x 743'
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	105	Mud Viscosity	42
BT. P.R.D. No.		Hour Clock	Depth Mea. From	KELLY BUSHINGS	Anchor Size & Length	ID 2 1/2" x 97.64' OD 5 3/4"
Initial Hydro Mud Pres.			Cushion		Depth of Tester Valve	5568' Ft.
Initial Closed in Pres.			Recovered	5	Depth Back Pres. Valve	- Ft.
Initial Flow Pres.			Recovered		Med. From Tester Valve	
Final Flow Pres.			Recovered		County	APACHE
Final Closed in Pres.			Recovered		State	ARIZONA
Final Hydro Mud Pres.			Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	5696 Ft.	Blanked YES	Gas Gravity	-	Surface Pressure	psi
BT. P.R.D. No.	730	Hour 12	Tool Opened	1:30 PM	A.M. Tool Closed	4:10 PM P.M.
Initial Hydro Mud Pres.	2802	2785	Remarks Opened tool for 10 minute 1st flow with a			
Initial Closed in Pres.	54	86	very weak blow. Closed tool for 30 minute initial			
Initial Flow Pres.	54	1 68	closed in pressure. Reopened tool for 60 minute			
Final Flow Pres.	80	1 68	2nd flow with no blow. Closed tool for 60 minute			
Final Closed in Pres.	80	2 68	final closed in pressure.			
Final Hydro Mud Pres.	2721	2776	NO SPECIAL READING ADAPTABLE.			

FORMATION TEST DATA

Fresh Water Corrected to 100° F.

382  
16

Legal Location: SEC. 16 - 39N - 25E  
 Navajo-Nez Perce  
 County: WILDCAT  
 State: ARIZONA



March 31, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3-31-67-5440' Gazania-Bit #15 made 93' in 15 1/4 hr.-17 1/4 hr.  
drilling-3 1/2 hr. tripping-1/2 hr. rig service-1 1/2 hr. repair-  
1/4 hr. reaming-

J.C.M. Drilling Company



Navajo-Mobil # 1  
Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

4-1-67-5700'-Bit #16 made 129'-Circulated for 1 hour at 5700'  
Tested from 5605' to 5700'-Test 12:30 P.M.-Run 11:00 or  
later-  
4-2-67-5755' red shale-Bit #18 went in-they made 55' in 24 hrs  
4-3-67-5823'-made TD at 11:45 P.M. 4-2-67 with Bit #19

J.C.M. Drilling Company

4-4-67 P.I. reported: Logged at 5823  
Drilling ahead at 5905' on 4-4-67  
DST @ 5603-5700'

17

Telaco geologist sitting well: Ben Brewer

Mobil interest	1/4
Telaco interest	3/8
McMann "	3/8

Amerada dry hole support 1/4  
no other interest

302

15

March 29, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3-29-67-5265' lime-Bit #13 made 168'-1 $\frac{1}{4}$  % 5209'-16 $\frac{1}{4}$  hr.  
drilling-4 $\frac{1}{2}$  hr. repair put motor clutch on #1 engine-3 $\frac{3}{4}$  hr.  
trip.



J.C.M. Drilling Company

March 30, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3-30-67- 5412' Mississippian-Bit #14 came out at 5334' and  
made 125' in 14 $\frac{1}{2}$  hr.-19 hr. drilling-4 hr. tripping- $\frac{1}{4}$  hr.  
survey- $\frac{1}{4}$  hr. rig service- $\frac{1}{2}$  hr. jetting.



J.C.M. Drilling Company

382



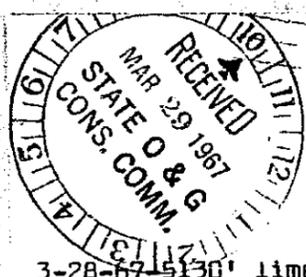
March 27, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/26/67-No survey-4886' sd. sh. lime-7½ hr. drilling-12½ hr  
repairs on motor-1½ hr. washed to bottom-2½ hr tripping  
3/27/67-5020' sand, shale, lime-Made 134' in last 24 hr.-Bit  
#11 came out at 4892' and made 54' in 9 hr.-17¼ hr. drilling-  
4½ hr. trip-2½ hr. repair.

J.C.M. Drilling Company



JIA T C JIA T C March 28, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3-28-67-5130' lime & shale-Bit #12 came out at 5041' and  
made 149' in 20¼ hr.-They made 110' the last 24 hr.-14¼ hr.  
drilling-7¼ hr. tripping-¼ hr. survey-½ hr. repair-1¼ hr.  
jetting-Last 24 hr. no accidents.

J.C.M. Drilling Company

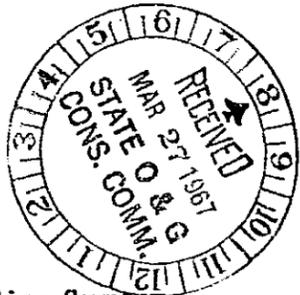
382

March 24, 1967

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

4833' sandy lime and shale.  
16 hours - mud up and washed to bottom.  
Got on bottom at 2:00 AM 3/24/67.  
4 hours drilling and 4 hours tripping.



J. C. M. Drilling Company

March 25, 1967

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/25/67-4838' made 5 ft. the last 24 hr.-They are changing out no. 2 motor-1½ hr. drilling-22½ hr. repairs- Pulled up casing & changed motors- Didn't drill enough for any tops.



J.C.M. Drilling Company

302

90

March 22, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/22/67-4160' time- Made 443' in the last 24 hr.-tried to run a survey at 4089' but it was a misrun-Bit 9 is drilling Bit 8 made 175' in 6 1/2 hr.-Bit 7 came out 3914'-1039' and locked up.

J.C.M. Drilling Company

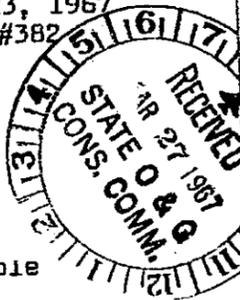
March 23, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/23/67-4794' mistdrilling and blowing in hole

J.C.M. Drilling Company



382

21

March 20, 1967

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/19/67- 2300'- Ran 71' in 8 5/8 casing CF&I is 24 lb.  
2299.16 2297' sand-Cemented with 110 sk. plug down Sat.  
at 2:45 P.M., Nipped up, & drilled out to surface at 3:00  
P.M. Sunday

3/20/67-Surveyed at 2488' was 1 7/8" -2841 was 3/4"- Presently  
drilling- Break down is 12 hr drilling-2 1/2 hr survey- 3 hr  
repairs- 2 hr blowing hole to dry- Bit (6) went in at 2300'

J.C.M. Drilling Co. M

March 21, 1967

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/21/67- 3717' sd. shale- Surveys-3/4" at 2943'-1 1/4" at 3252'  
1 1/2" at 3677'- Bit 5 came out at 2880' and made 580' in 10 hr.  
40,000 #-24 collars-2 1/2" x 6 in.- RPM 60- Drilling with air.

J.C.M. Drilling Company

32

382

22

March 17, 1967

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/17/67- 2000' sd. sh. - Drilling with water

March 18, 1967  
Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/18/67-2300' logging- Footage was 300' last 24 hr.  
Pulled Bit #4 which made 643' in 9 hr. - Pulled  
Bit #5 which made 44' in 2½ hr.

J. C. M. Drilling Company

32

27

NAVAJO- MOBIL # 1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

March 13, 1967--Nippling up.

Set 1 1/4" surface pipe--- 336 ft. - set at 335 ft.  
Cemented with 125 sx Class "A" cement and 2% Calcium Chloride.  
Plug down @ 12:45 AM- 3/13/67.



J. C. M. Drilling Company

March 16, 1967

Permit #382

Navajo-Mobil #1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona

3/15/67- 430' - dusting and drying up hole

3/16/67-1275' shale - Drilling with air

J.C.M. Drilling Co.

JR

March 10, 1967

NAVAJO- MOBIL # 1

Section 16, T-39-N, R-25-E, Apache County, Arizona

PERMIT NO.: 382

March 9, 1967---moving rotary rig in to location.

March 10, 1967--rigging up rotary rig.

J. C. M. Drilling Co.  
918 Lamar, Suite 125  
Wichita Falls, Texas  
76301

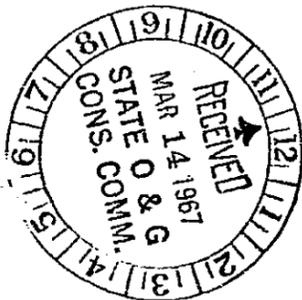
phone: (817) 766-4333

NAVAJO-MOBIL # 1

Sec. 16, T-39-N, R-25-E  
Apache County, Arizona  
elevation: 5029.3 ft. ground  
level.

March 11, 1967--made 40 ft of 13 3/4" hole. Spudded at  
5:00 PM 3/10/67.

J. C. M. Drilling Company



302

25

### DESIGNATION OF OPERATOR

#### Indian Affairs

The undersigned is, on the records of the Bureau of ~~Indian Affairs~~, holder of lease  
Contract No. 14-20-0603-8156

~~DISCLAIMER~~  
~~STATEMENT~~

and hereby designates

**J. O. H. Drilling Company**  
NAME: 918 Lamar, Suite 129  
ADDRESS: Wichita Falls, Texas

as <sup>1st</sup> operator and local agent, with full authority to act in <sup>1st</sup> behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

~~Tract 39 North, Range 25 East, G1S1W1~~  
~~Section 36, T14N~~

Apache County, Arizona

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

#### MOGUL OIL CORPORATION

By: *R. R. Church*  
Attorney-in-Fact  
P. O. Box 1032  
Casper, Wyoming 82401

February 20, 1967

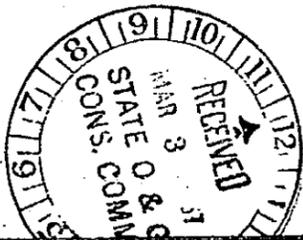
(Date)

(Address)

#### APPROVED

LAND *MLC*  
LEGAL *W.R.H.*  
T. E. *C*

# 382



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

J. C. M. Drilling Company

DATE

February 23, 1967

Address

918 Lamar, Suite 125

City

Wichita Falls,

State

Texas 76301

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease

Navajo Tribal #14-20-0603-8156

Well number

Navajo-Mobil # 1

Elevation (ground)

5029.3

Well location and acreage dedicated to the well (give footage from section lines)

865 FWL and 1095 FNL W/2 NW/4

Section—township—range or block & survey

Section 16, T-39-N, R-25-E

Field & reservoir (if wildcat, so state)

Wildcat

County

Apache County, Arizona

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

12 Miles South of Mexican Water, Arizona

Nearest distance from proposed location to property or lease line:

865 feet

Distance from proposed location to nearest drilling completed or applied—for well on the same lease:

none feet

Proposed depth:

6200'

Rotary or cable tools

Rotary

Approx. date work will start

March 1, 1967

Number of acres in lease:

2560 acres

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:

not applicable

Status and amount of bond

Organization Report  
On file  
Or attached

Filing Fee of \$25.00  
Attached

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)

\*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Owner of the J. C. M. Drilling 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.

Signature

Date

February 23, 1967

Permit Number: 382

Approval Date: 3-9-67

Approved By: John Bannister

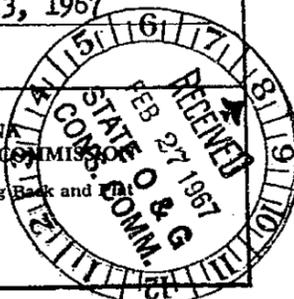
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

See Instruction on Reverse Side of Form

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

File Two Copies

Form No. 3



(Complete Reverse Side)

- 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 four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES  NO  If answer is "yes," Type of Consolidation \_\_\_\_\_
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner . . .	Land Description																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; vertical-align: middle;">865 1095</td> <td style="width: 15%;"></td> </tr> <tr> <td style="height: 100px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="height: 100px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="height: 100px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		865 1095																							
865 1095																									
<b>CERTIFICATION</b>																									
I hereby certify that the information above is true and complete to the best of my knowledge and belief.																									
Name <u>J. C. Mear, Jr.</u> Owner																									
Position <u>J. C. M. Drilling Company</u> Company																									
Date <u>February 23, 1967</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>Feb. 21, 1967</u>																									
Registered Professional Engineer and/or Land Surveyor <u>James P. Lease</u>																									
Certificate No. <u>Arizona Reg. No. 1849</u>																									

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
11 3/4"	42	H-40	Gr Lv	300'	300'	200
8 5/8"	24	J-55	Gr Lv	6200'	if needed	200
4 1/2"	10.5	J-55	Gr Lv		6200-6000	



# PERMIT TO DRILL

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

To: J C M DRILLING COMPANE  
(OPERATOR)

to drill a well to be known as

J C M DRILLING #1 NAVAJO-MOBIL  
(WELL NAME)

located 865' FWL and 1095' FNL (NW NW)

Section 16 Township 39N Range 25E Apache County, Arizona.

The W/2 NW/4 *Designation of Operator from Mobil* of said

Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 8th day of March, 19 67

OIL AND GAS CONSERVATION COMMISSION

By John Kimmister  
EXECUTIVE SECRETARY

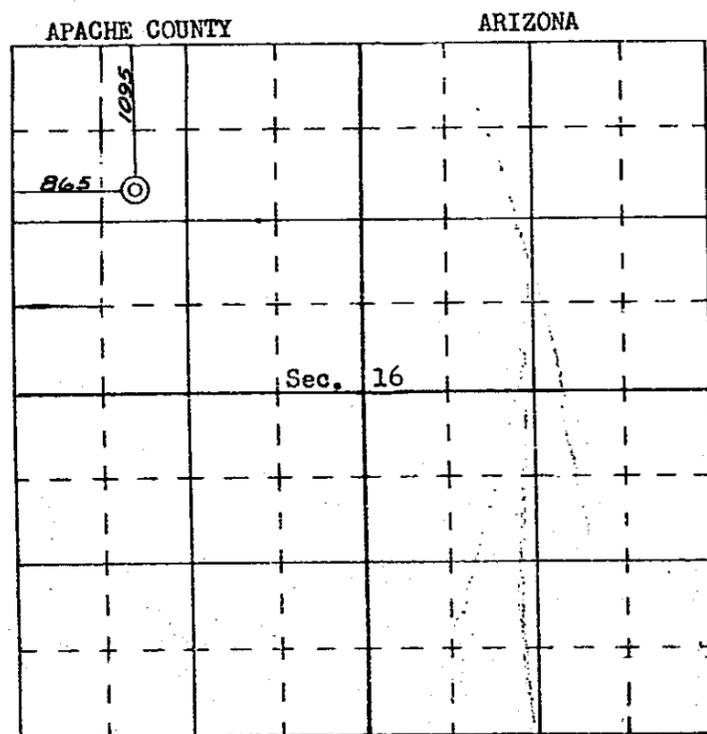
PERMIT N<sup>o</sup> 382

RECEIPT NO. 9476

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

COMPANY J. C. M. Drilling Company  
 LEASE NAVAJO- MOBILE WELL NO. 1  
 SEC. 16 T. 39 NORTH R. 25 EAST G&S.R.M.  
 LOCATION 1095 FEET FROM THE NORTH LINE AND  
865 FEET FROM THE WEST LINE  
 ELEVATION 5029.3 Ungraded Ground.



SCALE—4 INCHES EQUALS 1 MILE

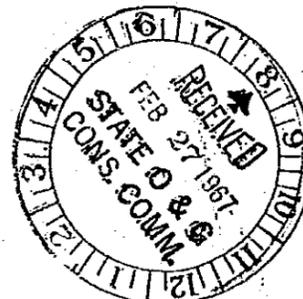
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



SEAL:

*James P. Leese*  
 Registered Land Surveyor,  
 JAMES P. LEESE  
 Arizona Reg. No. 1849

SURVEYED February 21, 1967.



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

BOND.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 1015783

That we: J. C. M. Drilling Company, a partnership

of the County of: Wichita in the State of: Texas

as principal, and Continental Casualty Company

of Chicago, Illinois

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:

Section 16-39N-25E, Apache County, Arizona

(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 Five Thousand Dollars - - - - (\$5,000.00) - - - -

Witness our hands and seals, this 3rd day of March, 1967

J. C. M. Drilling Company, a partnership

D. J. Churchman  
Principal Partner

Witness our hands and seals, this 3rd day of March, 1967

CONTINENTAL CASUALTY COMPANY

Thomas A. Gose  
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 and the principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved 3-20-67  
Date  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
By: John J. Bannard  
Permit No. 382

RECEIVED  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
DATE 3-18-68 Bond 68  
Form No. 2  
The Two Copies

John H. Williams  
PHOENIX, ARIZONA  
Licensed Resident Services Representative



# CONTINENTAL CASUALTY COMPANY

Chicago, Illinois

AN ILLINOIS CORPORATION

## Power of Attorney Appointing Individual Attorney-in-Fact.

Know All Men by these Presents, That CONTINENTAL CASUALTY COMPANY, a corporation duly organized and existing under the laws of the State of Illinois, and having its principal office in the City of Chicago, and State of Illinois, does hereby make, constitute and appoint THOMAS A. GOSE

of WICHITA FALLS, TEXAS

its true and lawful Attorney-in-Fact with full power and authority hereby conferred to sign, seal and execute in its behalf bonds, undertakings and other obligatory instruments of similar nature as follows:  
WITHOUT LIMITATIONS

and to bind CONTINENTAL CASUALTY COMPANY thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of CONTINENTAL CASUALTY COMPANY and all the acts of said Attorney, pursuant to the authority hereby given are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the Board of Directors of the Company.

### "Article IX—Execution of Documents

Section 3. Appointment of Attorney-in-fact. The President or a Vice President may, from time to time, appoint by written certificates attorneys-in-fact to act in behalf of the Company in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority shall have full power to bind the Company by their signature and execution of any such instruments and to attach the seal of the Company thereto. The President or any Vice President or the Board of Directors may at any time revoke all power and authority previously given to any attorney-in-fact."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 3rd day of April, 1957.

"Resolved, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted pursuant to Section 3 of Article IX of the By-Laws, and the signature of the Secretary or an Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

In Witness Whereof, CONTINENTAL CASUALTY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed this 21st day of October, 1963.

State of Illinois }  
County of Cook } ss



CONTINENTAL CASUALTY COMPANY

*Robert Schaller*  
Vice President.

On this 21st day of October, 1963, before me personally came ROBERT T. SCHALLER to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Chicago, State of Illinois; that he is a Vice-President of CONTINENTAL CASUALTY 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 pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.



*J. Downey*  
Notary Public.

My Commission Expires March 19, 1965

### CERTIFICATE

I, R. J. WALKER, Assistant Secretary of CONTINENTAL CASUALTY COMPANY, do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that Section 3 of Article IX of the By-Laws of the Company and the Resolution of the Board of Directors, set forth in said Power of Attorney are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said Company this 3rd day of March, 1962.



*R. J. Walker*  
Assistant Secretary.



# CONTINENTAL CASUALTY COMPANY

Chicago, Illinois

AN ILLINOIS CORPORATION

## Power of Attorney Appointing Individual Attorney-in-Fact.

Know All Men by these Presents, That CONTINENTAL CASUALTY COMPANY, a corporation duly organized and existing under the laws of the State of Illinois, and having its principal office in the City of Chicago, and State of Illinois, does hereby make, constitute and appoint THOMAS A. GOSE

of WICHITA FALLS, TEXAS

its true and lawful Attorney-in-Fact with full power and authority hereby conferred to sign, seal and execute in its behalf bonds, undertakings and other obligatory instruments of similar nature as follows:

WITHOUT LIMITATIONS

and to bind CONTINENTAL CASUALTY COMPANY thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of CONTINENTAL CASUALTY COMPANY and all the acts of said Attorney, pursuant to the authority hereby given are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the Board of Directors of the Company.

### "Article IX—Execution of Documents

Section 3. Appointment of Attorney-in-fact. The President or a Vice President may, from time to time, appoint by written certificates attorneys-in-fact to act in behalf of the Company in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority shall have full power to bind the Company by their signature and execution of any such instruments and to attach the seal of the Company thereto. The President or any Vice President or the Board of Directors may at any time revoke all power and authority previously given to any attorney-in-fact."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 3rd day of April, 1957.

"Resolved, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted pursuant to Section 3 of Article IX of the By-Laws, and the signature of the Secretary or an Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

In Witness Whereof, CONTINENTAL CASUALTY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed this 21st day of October, 1963.



CONTINENTAL CASUALTY COMPANY



302

March 18, 1968

J C M Drilling Company  
918 Lamar - Suite 125  
Wichita Falls, Texas 76301

Re: J C M Drilling #1 Navajo-Mobil well  
NW NW 16-39N-25E Apache County, Arizona  
Permit 382

Continental Casualty Company Bond 1015783

Gentlemen:

Captioned well has been completed and all required data has been filed in compliance with this Commission's rules and regulations.

This letter then constitutes authority from this Commission to terminate captioned bond.

Very truly yours,

John Bannister  
Executive Secretary  
mr

cc: Gose & Gose Insurance Agency  
700 City National Bank Bldg.  
Wichita Falls, Texas 76307

302

GOSE & GOSE INSURANCE AGENCY  
700 City National Bank Bldg.  
Wichita Falls, Texas 76307  
Phone: 322-8659

March 13, 1968

Oil & Gas Conservation Commission  
State of Arizona  
Phoenix, Arizona

Re: J. C. M. Drilling Co.  
Continental Casualty  
Co. Bond No. 1015783

Gentlemen:

On March 3, 1967, we executed a \$5,000.00 Oil & Gas bond for J. C. M. Drilling Company covering their lease location in Section 16-39N-25E, Apache County, Arizona.

It is our understanding that this bond is no longer needed and we would appreciate your sending us a release so that it may be cancelled.

Sincerely yours,

GOSE & GOSE INSURANCE

*Thomas A. Gose*  
Thomas A. Gose

/lc

382



REPRESENTING  
PACIFIC INDEMNITY GROUP  
PACIFIC INDEMNITY COMPANY | TEXAS PACIFIC INDEMNITY COMPANY  
NORTHWESTERN PACIFIC INDEMNITY COMPANY

*File - check  
is needed what  
from confidential  
as of 5-9-67  
JB*

C O P Y

May 8, 1967

Mr. Fred E. Beach  
District Landman  
Texaco, Inc.  
P. O. Box 810  
Farmington, New Mexico

Re: JCM Drilling Co.,  
Navajo-Mobil #1,  
Sec. 16-39N-25E  
Apache County, Arizona

Dear Sir:

You hereby have the authority to release all information on the above mentioned well to the Arizona Oil and Gas Commission and to anyone else that desires it.

Yours very truly,

*J. C. Man, Jr.*  
J. C. Man, Jr.

JCM/cab  
cc: Arizona Oil and Gas Commission



*302*

April 18, 1967

J C M Drilling Company  
918 Lamar - Suite 125  
Wichita Falls, Texas 76301

Re: J C M Drilling #1 Navajo-Mobil well  
NW NW 16-39N-25E Apache County, Arizona  
Our File 382

Gentlemen:

Please find enclosed our Form 4, Well Completion Report, which must be submitted in order that our files on this well may be closed. Upon receipt of this form Continental Casualty Company's bond 1015783 may be terminated if you so desire and request.

I would like to take this opportunity to thank you for the exemplary manner in which you kept this Commission informed of your drilling progress. This Commission has not before enjoyed such up-to-date progress of a well. Your very fine cooperation is most appreciated.

Sincerely,

John Bannister  
Executive Secretary  
mr  
enc

352

March 8, 1967

J C M Drilling Company  
918 Lamar - Suite 125  
Wichita Falls, Texas 76301

Re: J C M Drilling #1 Navajo-Mobil well  
NW NW 16-39N-25E Apache County, Arizona  
Permit 382

Gentlemen:

By telegram Gose and Gose Insurance Agency, Wichita Falls,  
has advised that bond has been executed and forwarded.

Based on that information, Permit to Drill captioned well,  
approved application, Receipt 9476 for filing fee are for-  
warded herewith.

Please be advised that Permit to Drill is issued contingent  
upon receipt of the actual bond, which it is our understand-  
ing will be in our office in the immediate future.

Should you have any questions, or if we may be of help to  
you in any way, please contact us.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

382

CLASS OF SERVICE  
This is a fast message unless its deferred character is indicated by the proper symbol.

# WESTERN UNION TELEGRAM

W. P. MARSHALL  
CHAIRMAN OF THE BOARD

R. W. MCFALL  
PRESIDENT

SYMBOLS  
DL = Day Letter  
NL = Night Letter  
LT = International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination.

114P PST MAR 7 67 LD229  
L TSA257 (NS WEA198) PD WICHITA FALLS TEX 6 VIA TUCSON ARIZ  
7

JOHN BANISTER  
ARIZONA OIL COMMISSION PHOENIX ARIZ 85007  
BOND FOR J C M DRILLING CO. HAS BEEN EXECUTED AND FORWARDED  
TO AN ARIZONA AGENT FOR COUNTER SIGNATURE. SHOULD BE FILED  
WITH YOU BY TUESDAY OR WEDNESDAY  
GOSE AND GOSE INSURANCE AGENCY.

732

2715161  
Dm 2407 M.R. mail

1624W  
Adon 202 85007

## Mobil Oil Corporation

Post Office Box 3371  
Durango, Colorado  
February 24, 1967

*Teleph: 247-4260  
(303)  
Recy of Op  
Bond letter*

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

Att: John Bannister, Executive Secretary

OIL AND GAS DRILLING BOND  
STATE OF ARIZONA

Dear John:

As you probably know, we have made a farmout for a pre-Cambrian test to 6200' known as the J.C.M. Drilling Company #1 Navajo Mobil. Location is NENE Section 16, 39N, 25E, G&SRM, Apache County, Arizona and on Navajo Contract No. 14-20-0603-8156. We have previously filed Oil and Gas Drilling Bond No. 256595 with you and amendment thereto by which we name Principal Mobil Oil Corporation rather than Socony Mobil Oil Company, Inc.

J.C.M. Drilling Company, 918 Lamar Street, Wichita Falls, Texas has been designated as our Operator on Navajo Lease Contract No. 14-20-0603-8156 insofar as the drillsite is concerned (N $\frac{1}{2}$ NW $\frac{1}{4}$  Sec. 16) and such an instrument has been filed with U.S.G.S. at Farmington, New Mexico.

We attach copy of drilling bond filed with you at request of JCM Drilling Company. It might be of interest to you that we have made a similar farmout to American Natural Resources Company for a test in the NWSW Section 23, 39N, 23E, G&SRM. This company is managed by George Rainey and John Ripe who I know are old acquaintances of yours.

If you need any information on these wells let me know and I'll fix you up.  
Best regards to you.

Yours very truly,

*Wm. M. Kay*

Wm. M. Kay

WMK:ob  
Encl.

cc: JCM Drilling Company  
918 Lamar Street  
Wichita Falls, Texas

Att: Doyle Churchman



**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 13, 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: \_\_\_\_\_

PACIFIC INDEMNITY COMPANY

By: \_\_\_\_\_  
HAROLD R. SMITH, Attorney-in-Fact.

*Sent original to Bill & Doc Conservation Commission  
State of Arizona*

*cc: H. Clark*

*10-26-66*

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

BOND

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)

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 [Signature] Principal

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

PACIFIC INDEMNITY COMPANY

By [Signature] 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: [Signature]

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

Permit No.

Power of 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.