

MESA PET. #1 NAVAJO-2 525
NW NW 4-35N-30E APACHE CO.

P-14

COUNTY Apache AREA 8 mi SW Redrock Trading LEASE NO. 14-20-0603-8888
Post Navajo B

WELL NAME Mesa Petroleum Company #1 Navajo-B

LOCATION NW NW SEC 4 TWP 35N RANGE 30E FOOTAGE 330' FNL - 330' FWL
8420' on com. ft. STATUS P&A TOTAL
 ELEV 8413 GR 8433 KB SPUD DATE 12-9-69 COMP. DATE 1-14-70 DEPTH 3972'
 surveyor

CONTRACTOR Loffland Brothers Company, Farmington, NM 1st driller - rotary

James Maness - 2nd driller - cable
 CASING SIZE DEPTH CEMENT LINER SIZE & DEPTH DRILLED BY ROTARY surface - 3869'
9 5/8 850' 400 SK NA DRILLED BY CABLE TOOL 3869-3972'
7 3865 150 SK PRODUCTIVE RESERVOIR
 INITIAL PRODUCTION P&A

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	770'	X	x	Lease #14-20-0603-8888 covers all of Sec. 4., 640 acres. No other lands included.
Monitor Butte	1290'			
Coconino	1576'			
Supai	2280'			
Hermosa	3340'			
Intrusive	3859'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG Am Strat
FDC/GR; IES; Radioactivity	NA	NA	SAMPLE DESCRP. SAMPLE NO. 1605 * CORE ANALYSIS DSTs *Tucson - 2589

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

WATER WELL ACCEPTED BY _____

BOND CO. The Travelers Indemnity Company BOND NO. 1472515
 BOND AMT. \$ 5,000 CANCELLED 9-28-70 DATE 11-24-69
 FILING RECEIPT 2859 LOC. PLAT x WELL BOOK x PLAT BOOK x
 API NO. 02-001-20124 DATE ISSUED 12-1-69 DEDICATION NW/4

PERMIT NUMBER 525

DRILL STEM TEST

NO.	FROM	TO	RESULTS

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS

REMEDIAL HISTORY

DATE STARTED - COMPLETED	WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

2 ary.

4

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 Mesa Petroleum Co.		Address Box 234, Farmington, N. M. 87401	
Federal, State or Indian Lease Number or name of lessor if fee lease 14-20-0603-8888 Navajo B		Well Number 1	Field & Reservoir Di-Neh-Bi-Keyah
Location 330' FNL 330' FWL		County Apache	
Sec. TWP-Range or Block & Survey Sec. 4, T 35 N, R 30 E		E G & S R M	
Date spudded 12-9-69	Date total depth reached 12-24-69	Date completed, ready to produce P & A	Elevation (DF, RKB, RT or Gr.) 8420 Gr feet
Total depth 3972	P.B.T.D. P & A	Single, dual or triple completion? P & A	Elevation of casing hd. flange feet
Producing interval (s) for this completion P & A		Rotary tools used (Interval) Surface - 3869	Cable tools used (Interval) 3869 - 3972
Was this well directionally drilled? No	Was directional survey made? Yes	Was copy of directional survey filed? No	Date filed
Type of electrical or other logs run (check logs filed with the commission) Schlumberger IES			Date filed Yes

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	13 3/4	9 5/8	36 & 32.3	850	400	None
Production	8 3/4	7"	20	3865	150	870

TUBING RECORD LINER RECORD

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

PERFORATION RECORD ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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

INITIAL PRODUCTION

Date of first production P & A		Producing method (indicate if flowing, gas lift or pumping--if pumping, show size & type of pump:)				
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Consulting Engineer of the Mesa Petroleum 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 Feb. 25, 1970 Signature T. A. Dugan

Permit No. 525

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy

Form No. 4

RECEIVED
FEB 25 1970
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<u>Log Tops</u>			
Chinle	770'		
Monitor Butte	1290		
Coconino	1576		
Supai	2280		
Hermosa	3340		
Intrusive	3859		

* 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:

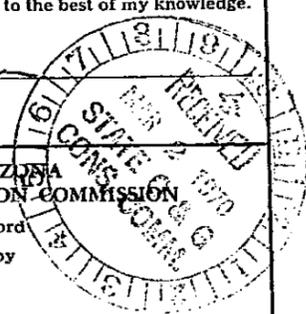
Attach drillers log or other acceptable log of well.

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

2 Ariz, 1 Mesa, 1 File

PLUGGING RECORD					
Operator Mesa Petroleum Co.			Address Box 234, Farmington, N. M. 87401		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. 14-20-0603-8888 Navajo		Well No. B #1	Field & Reservoir Di-Neh-Bi-Keyah		
Location of Well 330' FNL 330' FWL		Sec-Twp-Rge or Block & Survey Sec. 4, T 35 N, R 30 E		County Apache	
Application to drill this well was filed in name of Mesa Petroleum Co.	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day)		Dry? Very	
Date plugged: 1-14-70	Total depth 3972	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day)		Water (bbls/day) None	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation		Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement	
None					
Hermosa	None	3865 to 3972 Open Hole		35 sx cement plug	
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
9 5/8	850	None	850	-	Shoe at 850
7"	3865	870	2995	ripped	Shoe at 3865
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water. No test made		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
Kerr McGee Corp.	Farmington, N. M.		NW		
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 <u>Consulting Engineer</u> of the <u>Mesa Petroleum Co.</u> (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 2-24-70	Signature <u>T. A. Dugan</u>				
Permit No. 525	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy				
	Form No. 10				



1. Placed 35 sx cement plug 3750' to 3972'
2. Worked casing, unable to free casing below 870'.
3. Knocked off casing at 870'.
4. Placed 50 sx plug 950' to 800'.
5. Placed 15 sx plug in surface.
6. Erect dry hole marker and clean up location.

2 ary / 1 man 1 file

APPLICATION TO ABANDON AND PLUG

FIELD Di-Neh-Bi-Keyah
 OPERATOR Mesa Petroleum Co. ADDRESS Box 234, Farmington, N. M.
 Federal, State, or Indian Lease Number 14-20-0603-8888 Navajo B WELL NO. 1
 or Lessor's Name if Fee Lease
 SURVEY E G & SFM SECTION 4 COUNTY Apache
 LOCATION 330' FNL 330' FWL

TYPE OF WELL Dry hole TOTAL DEPTH 3972
 (Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) None
 LAST PRODUCTION TEST OIL None (Bbls.) WATER None (Bbls.)
 GAS None (MCF) DATE OF TEST _____
 PRODUCING HORIZON None PRODUCING FROM None TO _____
 1. COMPLETE CASING RECORD 9 5/8" O.D. 32.3# & 36# at 850 w/400 sx
7" O.D. 20# at 3865 w/150 sx

2. FULL DETAILS OF PROPOSED PLAN OF WORK
Spot 35 sx plug 3750 - 3972
Shoot off 7" csg. at free point
Spot cement plug at csg. stub
Spot cement plug at bottom surface csg.
Spot cement plug at surface. Clean up location

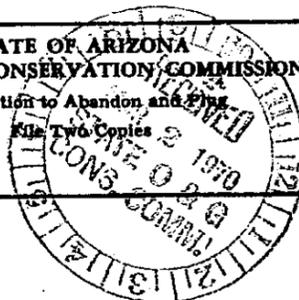
Verbal approval received 1-5-70.
 If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 1-6-70
 NAME OF PERSON DOING WORK James Maness ADDRESS 1091 Chaco, Farmington, N. M.

CORRESPONDENCE SHOULD BE SENT TO Mesa Petroleum Co.
 Name J. A. Dugan
 Title _____
 Address Box 234, Farmington, N. M.
 Date Feb. 24, 1970

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

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



Permit No. 525

Form 9-330
(Rev. 5-63)

4 USGS 2 Ariz. 1 Mesa 1 Nev. 1 File

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
Mesa Petroleum Company

3. ADDRESS OF OPERATOR
Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
At top prod. interval reported below **330' fm 330' fm**
At total depth

14. PERMIT NO. **Ariz. 525** DATE ISSUED **12/1/69**

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-0008

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo B

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
01-Sub-01-Kayah

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 4, T36N, R30E

12. COUNTY OR PARISH
Apache 13. STATE
Ariz.

15. DATE SPUNDED **12/9/69** 16. DATE T.D. REACHED **12/24/69** 17. DATE COMPL. (Ready to prod.) **P & A** 18. ELEVATIONS (DP, REB, RT, OR, ETC.)* **8420' Gr.** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **3072'** 21. PLUG, BACK T.D., MD & TVD **P & A** 22. IF MULTIPLE COMPL., HOW MANY* **---** 23. INTERVALS DRILLED BY **---** ROTARY TOOLS **0-3069'** CABLE TOOLS **3069' - 3072'**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
P & A 25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Schlumberger I. E. S., Gamma Ray Induction 27. WAS WELL CORDED
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
9 5/8"	36 & 32.30	850'	13 3/4"	400	None
7"	280	3065'	8 3/4"	150	870'

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
			None			

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Interval	Size	Depth Interval (MD)	Amount and Kind of Material Used
None		None	

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					
P & A							
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	GAS/OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—GAL. OR GRAVITY-API (CORR.)		

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

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 Original signed by T. A. Dugan TITLE Engineer DATE 1/21/70

*(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 35.

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:		GEOLOGIC MARKERS	
FORMATION	DESCRIPTION, CONTENTS, ETC.	NAME	MEAN DEPTH
TOP	BOTTOM		TRUE VERT. DEPTH
		Log Tags	
		Chinle	770'
		Monitor Butte	1290'
		Coccolino	1676'
		Supai	2260'
		Hermosa	3340'
		Intrusive	3668'
		Total Depth	3972'

Form 9-331
(May 1963)

4 USGS 2 Ariz. 1 Mesa 1 Nav. 1 File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP (TE)
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8888

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo B

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
01-Nab-B1-Kayab

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T36N, R30E

12. COUNTY OR PARISH
Apache

13. STATE
Ariz.

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 GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Mesa Petroleum Company

3. ADDRESS OF OPERATOR
Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

330' fm 330' fm

14. PERMIT NO.
Ariz. 525

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
8420' Cr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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.)*

1. Placed 35 sx. cement plug 3750' to 3972'.
2. Worked casing, unable to free casing below 870'.
3. Knocked off casing at 870'.
4. Placed 50 sx. plug 950' to 800'.
5. Placed 15 sx plug in surface.
6. Erect dry hole marker and clean up location.



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

SIGNED Original signed by T. A. Dugar TITLE Engineer

DATE 1/27/79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

525

*See Instructions on Reverse Side

Samples from the following wells have been received at the Cut.

Mesa Petr. #1-4 Navajo
Sec.4-35N-30E
Apache Co. Ariz. Permit # 525

Buttes O & G #1-31 Navajo
Sec.31-35N-27E
Apache Co. Ariz. Permit # 526

Rec'd
1-8-70

Jo Ratcliff
FOUR CORNERS SAMPLE CUT ASSOCIATION
P. O. BOX 899
FARMINGTON, NEW MEXICO

525

Form 9-331
(May 1963)

4 USES 2 Ariz. 1 Mesa 1 Nav. 1 File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-5888

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo 8

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Di-Nah-Di-Kayah

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 4, T36N, R30E

12. COUNTY OR PARISH

Apache

13. STATE

Ariz.

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 GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Mesa Petroleum Company

3. ADDRESS OF OPERATOR
Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

330' fm 330' fm

14. PERMIT NO.
Ariz. 525

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8420' Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input 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"/>	

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

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.)*

1. Drilled 8 3/4" hole with mud to 3869'.
2. Ran Schlumberger I.E.S. log.
3. Ran 120 jts. 7" O.D., 209, J-55, 8R ST&C csg. set at 3865' R.K.B. cemented with 50 sx. Halliburton lite plus 100 sx. Class "C" 7 1/2# salt per sx. F.O.S. 2:00 p.m., 12/25/69. Good mud returns while cementing.
4. Moved out Loffland - moved in James Hanes.
5. Drilled 6" hole with cable tools to 3972'.
6. Ran Gamma Ray induction log, no shows. Plan to plug and abandon.

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

SIGNED Original signed by T. A. Dugan TITLE Agent

DATE 1/7/70

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Form 9-331
(May 1963)

4 USGS 2 Ariz. 1 Nev. 1 Fla.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-8888

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo B

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Di-Nah-Di-Kayoh

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 4, T35N, R30E

12. COUNTY OR PARISH 13. STATE

Apache

Ariz.

1. OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Mesa Petroleum Company

3. ADDRESS OF OPERATOR
Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

330' fm 330' fm

14. PERMIT NO.
Ariz. 525

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
8420' Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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.)*

Plan to spot cement plug 3300' to T.D.

- 1. Shoot off 7" csg. at free point.**
- 2. Spot cement plug 50' in and 50' above stab.**
- 3. Recover 7" csg.**
- 4. Spot cement plug 1500' to 1600'.**
- 5. Spot cement plug 800' to 900'.**
- 6. Spot cement plug surface.**
- 7. Erect dry hole marker and clean up location.**

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

SIGNED Original signed by T. A. Dugan

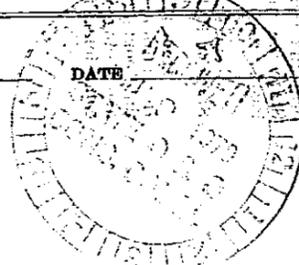
TITLE Agent

DATE 1/7/70

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



January 5, 1970

Memo to Mesa Petroleum #1 Navajo (8888)
T35N, R30E, G & SRM
Sec. 4: NW/4 NW/4
Apache County
Permit #525

Memo from John Bannister

Tom Dugan reported this date that this well is to be plugged and abandoned. Verbal approval given and has been cleared also with the USGS.

Formation tops:	
Chinle	770'
Coconino	1576'
Supai	2280'
Hermosa	3340'
Intrusive	3859' (only 3' of intrusive)
Total depth	3972'

7" casing has been set to 3865'. Will recover all that is possible.

Plugs will be set as follows:
Total depth to 3800'
A plug at the stub of the 7" casing
" " from 1600'-1500' through Coconino
" " " 900'-800'
Surface plug

525

4 USGS 2 Ariz. 1 Mesa 1 Nav. 1 File

Form 9-331
(May 1963)

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 GAS WELL OTHER

2. NAME OF OPERATOR
Mesa Petroleum Company

3. ADDRESS OF OPERATOR
Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

330' fnl 330' fwl

14. PERMIT NO. 525

15. ELEVATIONS (Show whether DV, RT, GR, etc.)
8413' Gr.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8888

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "B"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Di-Neh-Bi-Keyah

11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA
Sec. 4, T35N, R30E

12. COUNTY OR PARISH
Apache

13. STATE
Ariz.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input 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"/>	

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

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.)*

Spudded at 10:00 p.m., 12/9/69.
Drilled 13 3/4" hole to 852'. Ran 26 jts. (9 5/8" O.D., 36 & 32.3#, J-55 & H-40, 8R ST&C csg. set at 850' R.K.B. cemented with 300 sx. Halliburton lite 2% Cacl. plus 100 sx. Class "A" 2% Cacl.-cement circulated.

Wait 12 hrs. - pressure test surface csg. to 1000 psi, held 0.K.



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

SIGNED Original signed by T. A. Dugan TITLE Engineer DATE XXX 12/16/69

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of ~~Land Management~~ Indian Affairs holder of lease
Bureau of Indian Affairs Office:
~~XXXXXXXXXXXX~~ Window Rock, Arizona
SERIAL No.: 14-20-0603-8888

and hereby designates

NAME: Mesa Petroleum Company
ADDRESS: 600 Vaughn Building
Amarillo, Texas

as his operator and local agent, with full authority to act in his 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):

Township 35 North - Range 30 East, G&SRM
Section 4: NW 1/4
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.

Kerr-McGee Corporation

By: James P. Ryan
(Signature of lessee)

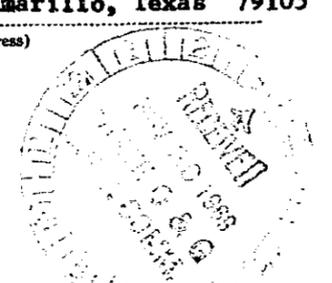
James P. Ryan, Regional Land Supervisor

November 19, 1969

(Date)

P. O. Box 600, Amarillo, Texas 79105

(Address)





PERMIT TO DRILL

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

To: MESA PETROLEUM COMPANY
(OPERATOR)

to drill a well to be known as

MESA PETROLEUM COMPANY #1 NAVAJO (8888)
(WELL NAME)

located 330' FWL - 330' FWL

Section 4 Township 35N Range 30E, APACHE County, Arizona.

The NW/4 of said
Section, Township and Range is dedicated to this well.

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

Issued this 1st day of December, 1969.

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL
YOU MUST BE IN FULL COMPLIANCE WITH RULE
105, SECTION A THRU G (SPACING), WITH RESPECT
TO THE PRODUCT TO BE PRODUCED.

OIL AND GAS CONSERVATION COMMISSION
By John W. Jannester
EXECUTIVE SECRETARY

PERMIT N^o 525

RECEIPT NO. 2859
API NO. 02-001-20124

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

2 Ariz. ✓ 1 Mesa 1 File

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL X

RE-ENTER OLD WELL



NAME OF COMPANY OR OPERATOR

Mesa Petroleum Co.

Address Box 234, Farmington, N. M. 87401 City State

Loffland Brothers Co.

Drilling Contractor

1216 E. Bloomfield Rd., Farmington, N. M.

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
Navajo "B"	1	8413'
Nearst distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
330 feet	None feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
640	---	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
---	---	---

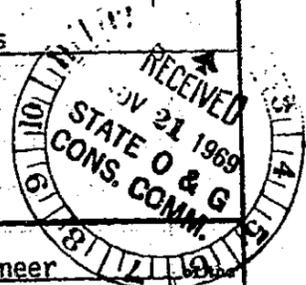
Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)
330' fnl 330' fwl	Sec. 4, T35N, R30E, G&SRM	160

Field and reservoir (if wildcat, so state)	County
Di-Neh-Bi-Keyah	Apache

Distance, in miles, and direction from nearest town or post office
8 miles S.W. Redrock Trading Post

Proposed depth:	Rotary or cable tools	3850' - 3920'	Approx. date work will start
3920'	Rotary	0-3850'	Cable tools
Bond Status	Organization Report	Filing Fee of \$25.00	
To be filed	On file	No	Or attached
Amount	Attached		Yes

Remarks:



CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Consulting Engineer
Mesa Petroleum 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.

J. A. Morgan
Signature
11/20/69
Date

Permit Number: 525
Approval Date: 12-1-69
Approved By: *John Bannister*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

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

Form No. 3

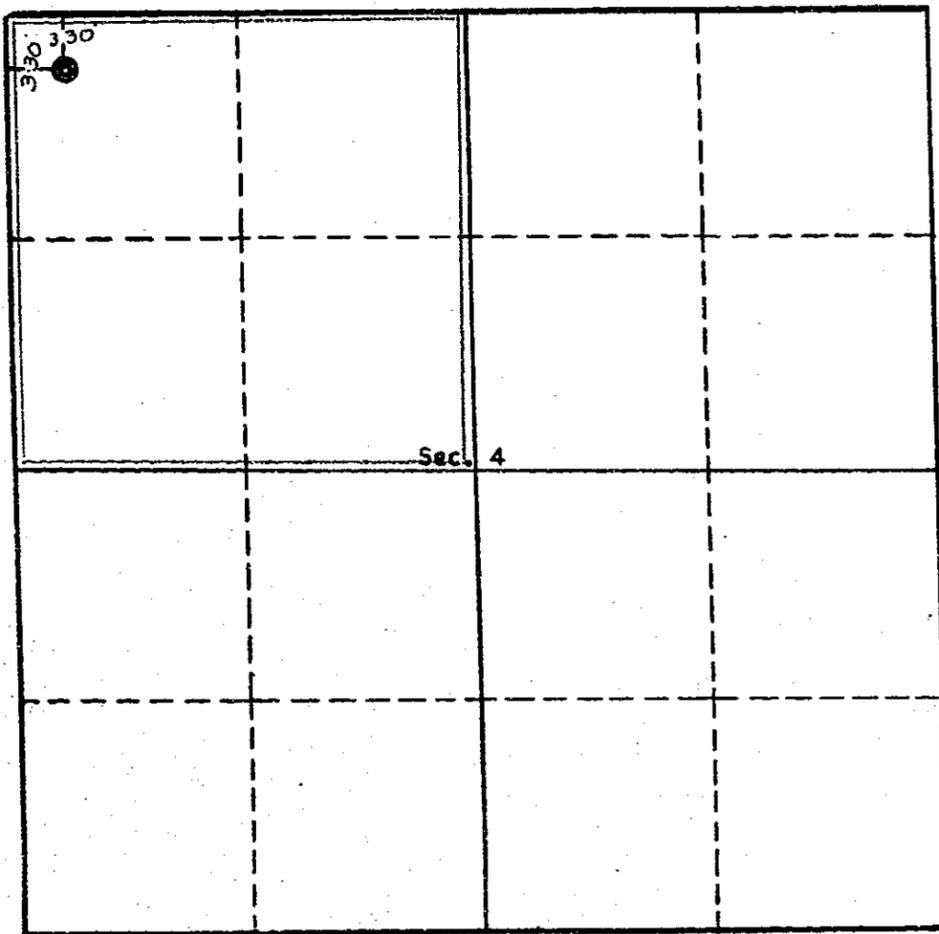
1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner Mesa Petroleum Company	Land Description NW/4 Sec. 4, T35N, R30E
<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"> <p style="text-align: center;">Section 4</p> </div>	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>Thomas A. Dugan</i></p> <p>Name Thomas A. Dugan</p> <p>Position Engineer</p> <p>Company Mesa Petroleum Co.</p> <p>Date 11/20/69</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed 11/12/69</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p style="text-align: center;">E. V. Echohawk</p> <p>Certificate No. 2311</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32.30	H-40	Surface	350'	0- 350'	250
7"	20	J-55	Surface	3850'	2800' - 3850'	200

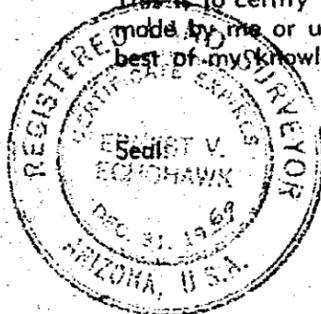
Company MESA PETROLEUM CO.
Well Name & No. Navajo "B" #1
Location 330 feet from the North line and 330 feet from the West line.
Sec. 4, T. 35 N., R. 30 E., G. & S. R. M., County Apache, Arizona
Ground Elevation 8413



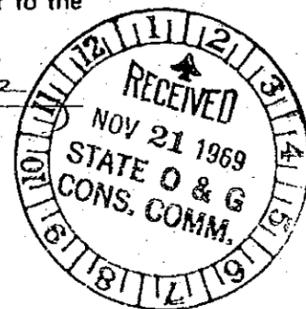
Scale, 1 inch = 1,000 feet

Surveyed November 12, 1969

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



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



THE TRAVELERS

THE TRAVELERS INDEMNITY COMPANY

Hartford, Connecticut

NOTICE OF CANCELLATION

9-22-, 19 70

State of Arizona
Oil & Gas Conservation Commission
Phoenix, Arizona

Bond No. 1472515

On the 24th day of November, 19 69, THE TRAVELERS INDEMNITY COMPANY, as Surety, executed a(n) Performance Bond bond in the penalty of Five Thousand and No/100- Dollars (\$ 5,000.00), on behalf of Mesa Petroleum Company of Potter County, Texas as Principal, in favor of State of Arizona as Obligee. The bond, by its terms, provides that the Surety may terminate its liability by giving notice of its election to do so to the Obligee. In accordance with the terms of the bond we hereby elect to terminate our liability and shall, as of the 24th day of November, 19 70, consider ourselves released from all liability by reason of any default committed thereafter by the Principal.

Below is an Acknowledgement which we would appreciate your signing and returning.

THE TRAVELERS INDEMNITY COMPANY

By: *Janet Marler*
Janet Marler, Attorney-in-Fact

Please detach and return to
THE TRAVELERS INDEMNITY COMPANY
at the following address:

916 Main Street

Lubbock, Texas 79401

Bond No. 1472515 - Mesa Petroleum Co.

ACKNOWLEDGEMENT

Your Notice of Cancellation has been received. We have arranged to cancel the bond effective the 24th

day of NOVEMBER, 19 70

Date: 9-28, 19 70

Oil & Gas Conservation Comm.

By: *W. G. Co.*

September 28, 1970

Ms. Janet Marler
The Travelers Indemnity Company
Lubbock National Bank Building
916 Main Street
Lubbock, Texas 79401

Re: Mesa Petroleum #1 Navajo (8888)
NW/4 NW/4 Sec. 4-T35N-R30E
Apache County
Our File #525

Travelers Indemnity Company
Performance Bond No. 1472515

Dear Ms. Marler:

Records of this office indicate that on 9-28-70
Mesa Petroleum Company fulfilled their obligations to
the State of Arizona as to the requirements pertaining
to the captioned well. We authorize termination of the
subject bond effective this date.

Very truly yours,

W. E. Allen
Director, Enforcement Section

WEA:jd
cc: Mesa Petroleum Company

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. 1472515

That we: Mesa Petroleum Co.
of the County of Potter in the State of Texas
as principal, and The Travelers Indemnity Company
of Hartford, Connecticut

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of Five Thousand and No/100- lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

NW/4 Section 4 Township 35N Range 30E Apache County, Arizona
(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. § 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

- 1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

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

WITNESS our hands and seals, this 24th day of November, 1969

MESA PETROLEUM CO.

By: [Signature] President

WITNESS our hands and seals this 24th day of November, 1969

THE TRAVELERS INDEMNITY COMPANY

[Signature] John R. Abrahamson
Surety, Resident Arizona Agent
If issued in a state other than Arizona)

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

Approved Date 12-1-69
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: [Signature]

STATE OF ARIZONA RECEIVED
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
STATE O & G
CONS. COMM
Form No. 2

Permit No. 525 525

The Travelers Indemnity Company
Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

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

_____ S. Wayne O'Keefe, John R. Abrahamson, Harold O. West, all of Amarillo, Texas and C. C. Bogan, Jr., Hugh Dickey, both of Borger, Texas and Leslie H. Hart, Kay Fancher, Lois Maguire, all of Pampa, Texas, EACH _____

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

_____ Any and all bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof _____

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

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

ARTICLE IV, SECTION 11. The Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President, any Second Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

ARTICLE IV, SECTION 13. Any bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President or any Second Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary or when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President or any Second Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

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

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

_____ This power of attorney revokes that dated September 28, 1966 on behalf of S. Wayne O'Keefe, R. F. Parsons, John R. Abrahamson, Harold O. West, all of Amarillo, Texas and C. C. Bogan, Jr., Hugh Dickey, both of Borger, Texas and Leslie H. Hart, Kay Fancher, Lois Maguire, all of Pampa, Texas _____

IN WITNESS WHEREOF, THE TRAVELERS INDEMNITY COMPANY has caused these presents to be signed by its proper officer and its corporate seal to be hereunto affixed this 13th day of February 19 67.

THE TRAVELERS INDEMNITY COMPANY

By

G. Roger Wheeler

Secretary, Fidelity and Surety



State of Connecticut, County of Hartford—ss:

On this 13th day of February in the year 1967 before me personally came G. Roger Wheeler to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



Margaret D. Tuttle

Notary Public

My commission expires April 1, 1969

CERTIFICATION

I, Wm A. Shrake, Assistant Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 11. and 13. of Article.IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been abridged or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this 24th day of November 1969



Wm A. Shrake
Assistant Secretary, Fidelity and Surety



1525
8-1869 (BACK)

April 21, 1970

Mr. T. A. Dugan
Mesa Petroleum Company
Box 234
Farmington, New Mexico 87401

Re: Mesa Petroleum Company #1 Navajo (8888)
T35N, R30E, G & SRM
Sec. 4: NW/4 NW/4
Apache County
Our File #525

Dear Mr. Dugan:

We have not yet received copies of logs run on this well. Rule 119.B of the Arizona Oil & Gas Conservation Commission Rules and Regulations states that all logs must be submitted within 90 days of the completion date. We will appreciate receiving the logs on the captioned well at your earliest convenience.

Sincerely,

John Bannister
Executive Secretary

jd

February 3, 1970

Mr. T. A. Dugan
Mesa Petroleum Company
Box 234
Farmington, New Mexico 87401

Re: Mesa Petroleum Company #1 Navajo (8888)
T35N, R30E, G & SRM
Sec. 4: NW/4 NW/4
Apache County
Permit #525

Dear Mr. Dugan:

On January 5, 1970, verbal permission to plug the captioned well was granted by this office. To date you have not filed the written Application to Plug, Plugging Record, or Well Completion Report. These forms are enclosed for your convenience. Your cooperation in bringing our files to date is requested.

Sincerely,

John Bannister
Executive Secretary

JB:jd

Enc.

X-Chrono

December 1, 1969

Mr. T. A. Dugan
Mesa Petroleum Company
Box 234
Farmington, New Mexico 87401

Re: Mesa Petroleum Company #1 Navajo (8888)
T35N, R30E, G & SRM
Sec. 4: NW/4 NW/4
Apache County
Permit #525

Dear Mr. Dugan:

Enclosed is your approved Application for Permit to Drill, Receipt No. 2859, a copy of the approved Bond No. 1472515, our Permit To Drill No. 525, and miscellaneous instruction sheets pertaining to well samples and reports required by this office.

Yours truly,

John Bannister
Executive Secretary

jd
Enc. (6)

525

THE TRAVELERS

THE TRAVELERS INSURANCE COMPANY • THE TRAVELERS INDEMNITY COMPANY

CASUALTY-PROPERTY DEPARTMENT
WALTER J. SHUDE, JR., MANAGER
Agency



PHOENIX OFFICE
2200 North Central Avenue
PHOENIX, ARIZONA 85004
Telephone: 252-8971

November 26, 1969

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

Re: Mesa Petroleum Co.
Bond #1472515

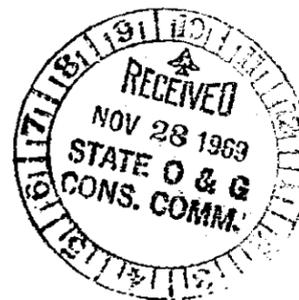
Gentlemen:

The captioned bond has been properly executed and counter-
signed by an Arizona Resident Agent and is forwarded to
your Department for filing.

Very truly yours,

Walter J. Shude, Jr., Manager
Casualty-Property Agency Department

pc
Encl.
cc: Panhandle Ins. Agcy.
Amarillo, Texas



525

HOME OFFICE: HARTFORD, CONNECTICUT

525



KERR-McGEE CORPORATION

612 PETROLEUM BUILDING • P. O. BOX 600
AMARILLO, TEXAS 79105

PHONE
806 376-5693

November 19, 1969

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

Attention: Mr. Lambert

SUBJECT: Designation of Operator
14-20-0603-8888

Gentlemen:

We are enclosing herewith two (2) copies of "Designation of Operator" naming Mesa Petroleum Company as Kerr-McGee's designated operator with respect to the therein described portion of the subject mentioned Navajo oil and gas lease.

Please call us collect in Amarillo, Texas, at Area Code 806-376-5693, if this form does not meet with your complete approval.

Please send to this office a supply of your standard "Designation of Operator" forms.

Very truly yours,

KERR-McGEE CORPORATION

James P. Ryan
James P. Ryan,
Regional Land Supervisor

JPR:dm
Enc.

