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.

5. LEASE DESIGNATION AND SERIAL NO.
Tract 241-Contract 000154

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

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.)

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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Marathon Oil Company

8. FARM OR LEASE NAME
Jicarilla Apache

3. ADDRESS OF OPERATOR
P. O. Box 97, McFadden, Wyoming 82080

9. WELL NO.
13

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1190' FSL, 1190' FWL, Sec 33, T26N, R5W

10. FIELD AND POOL, OR WILDCAT
Jicarilla-basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33 T26N R5W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6598 GR 6611 KB

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

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OIL CON. COM.
DIST. 3

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Completing well			xxx
(Other)				(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.)*

3/13/67 Ran Baker casing scraper and 4 3/4" bit on tubing, drilled out stage collar at 3229, found lower stage collar at 5406.

Closed rams on tubing and pressure tested casing to 4000 psi, held OK, by Dowell. Filled casing with 1% KCl water, spotted 500 gallons 7½% HCl acid on bottom.

3/14/67 Ran Schlumberger Gamma Ray Correlation Log, tagged bottom at 7348'. Perforated lower Dakota 7264-7266 (2'), 7271-7276 (5'), 7286-7288 (2') and 7312-7322 (10'); total of 19' with 38 Schlumberger Hyper Jets - 2 holes per foot. Pumped 500 gals. mud acid (Dowell) down casing into perforations 7264-7322, pressure broke from 4100 to 3000 psi when acid entered formation.

Mixed 15,000# 40-60 sand, 1/4 to 1# per gallon, with J100 (Dowell) slick water (1%KCl) at 60 BPM, 3000# psi; mixed 20,000# 20-40 sand, 1/2 to 1# per gal., with J100 slick water at 64 BPM, 3000 psi. Flushed with 200 barrels of slick water at 65 BPM, 2800 psi. Immediate shut in pressure 1700 psi. All water contained 2.5# J100 per 1000 gals. and 1% KCl.

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

SIGNED [signature] TITLE Area Superintendent DATE March 29, 1967

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE : 1963—O—685229

867-851

3/14/67 (con't) Set Baker model F1 cast iron bridge plug at 7258 with Schlumberger wire line. Pressure tested casing above bridge plug at 4000 psi, held OK. Ran gun, could not get below 7210. Pulled gun, well still dead, bridge plug OK.

Ran bit to top of bridge plug, did not tag any fillup. Circulated clean with 1% KCl water, pulled bit.

Perforated upper Dakota 7230-7236 (6'), 7238-7242 (4') and 7245-7247 (2') with 24 Schlumberger Hyper Jets, 2 holes per foot. Well started kicking after interval of 7238-47 was shot. Perforated Graneros sand 7094-7100 (6') and 7116-7120 (4') and 7122-7124 (2'), total of 12' with 24 Schlumberger Hyper Jets, 2 holes per foot. Tagged bridge plug at 7258 on last run, no sand on top of bridge plug.

3/15/67 Pumped 500 gals. of mud acid into perforations 7094-7247 with Schlumberger wire line. Well blowing while running plug. Pressure tested casing above bridge plug with 3500 psi, held OK. Perforated Pictured Cliffs 2907-2922 (15'), 2928-2930 (2'), 2933-2936 (3'), 2940-2944 (4') and 2949-2954 (5'), total of 58 Schlumberger Hyper jets, 2 holes per foot.

Sand fractured perforations 2907-2954 by Dowell, down casing. Mixed 50000# of 10-20 sand with fresh water at 1/4 to 1 1/2# per gallon, 65 to 62 BPM, 1600-1800 psi. Injected 30 7/8" ball sealers after 25000# sand was mixed, 100 psi increase when balls hit. Displaced with 104 bbls. water at 61 BPM, 1800 psi. ISIP 1500 psi.

Ran Baker full bore packer and Model F seating nipple with pump out plug. Ran packer to 2870, filled tubing with water (soap suds added), pumped out plug. Pressured tubing with 200 psi gas pressure from fuel line. Set packer at 2870'.

3/16/67 Alternately shut in and blew well, would die in a few minutes after opening. Pulled packer. Ran bit and casing scraper to 3000', pulled bit, picked up Baker packer to run. Set Baker retrievamatic packer at 2747. Baker stimulation valve above packer, ran tubing dry. Opened valve, by rotation, small gas flow from tubing, also gas blow from casing, evidently communication between tubing and annulus. Pulled packer to look for leak. Packer and stimulation valve looked OK, except for sheared pin on slips. Ran new packer and stimulation valve. Set packer at 2787. Opened stimulation valve, blew a little, then died completely.

3/17-21/67 Swabbed well. Flowed for 11½ hours to cleaning pit. Shut well in for 4 hours for build up. At end of period pressure was 620 psi. Opened well to pit on 3/4" choke for 3 hours. At the end of period pressure on tubing was 236 psi, estimated flow was 3064 MCFPD. Killed well with water. Pulled tubing and packer out of hole. Went in hole with bit and tubing. Drilled bridge plug at 7080' and cleaned out to bottom 7350, pulled out of hole. Went in hole and set Baker Model D wire line packer at 7050'. Picked up 2 3/8" Seal Lock tubing and landed in Baker Model D packer 7042'. Picked up and landed 2836' of 1.660" OD U.S. Hydril tubing. Removed blow-out equipment and landed in Christmas tree. Pumped plug out of 2 3/8 and 1.660" tubing and flowed well to pit.

3/22/67 Released rig at 10 AM. Now flowing well to clean up.