

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 251-Contract 000154**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Jicarilla Apache**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Jicarilla Apache**

9. WELL NO.

**11**

10. FIELD AND POOL, OR WILDCAT

**Jicarilla-Basin Dakota**

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

**Sec 28, T26N, R5W**

12. COUNTY OR PARISH

**Rio Arriba**

13. STATE

**New Mexico**

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

**Marathon Oil Company**

3. ADDRESS OF OPERATOR

**P. O. Box 97, McFadden, Wyoming 82060**

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

**1040' FSL, 800' FSL, Sec 28, T26N, R5W  
NE SW SW**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.) **All measurements from KB**  
**6465 GR 6478 KB**

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\* ☐

**Completion**

**xx**

(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.)\*

**1/22/67 Good mud returns while mixing cement, no returns while displacing cement from liner. Liner set from 2928 to 7269.**

**1/23/67 Ran 6 3/4" bit, tagged liner top at 2928, no cement above liner. Approximately 40 bbls. mud above liner.**

**1/24/67 Drilled 180' cement to 7247 with 3 7/8" bit. Circulated liner clean with water. Filled hole with 1% KCl water and spotted 7 1/2% KCl acid on bottom. Pressure tested casing and liner with 4200 psi, held OK. Ran Cement Bond log and Gamma Ray correlation log. Good bonded cement 7269 to 5193.**

**1/25/67 Perforated lower Lakota 7163-7167, 7175-7178, 7215-7217, 7219-7221 and 7223-7226, total of 14' with 28 McCullough Super Dyna Jets, 2 holes per foot. Pumped 500 gals. Mud Acid into perforations 7163-7226 at 25 BPM, 4200 psi, no breakdown. Set packer at 7085 with 2 3/8" OD tubing, pumped 1000 gals. Mud Acid and 3 1/2 - 1" sealer balls, pressure built to 5900 psi, broke back to 2000 psi, pumped into perforations at 5 BPM, 3700 psi. Pulled packer. Sand fractured perforations 7163 - 7226 down casing: mixed 30000 lbs. 20-40 sand mixed 1/4 to 1 lb per gal. water (1% KCl and 3 lbs. J100 friction reducer per 1000 gals); started at 45 BPM, 4200 psi; increased rate to 58 BPM, 3700 psi; sanded out after 30000 lbs. mixed, final rate 15 BPM, 4300 psi.**

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

SIGNED

TITLE **Area Superintendent**

DATE **February 13, 1967**

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

\*See Instructions on Reverse Side

**RECEIVED**

**FEB 15 1967**

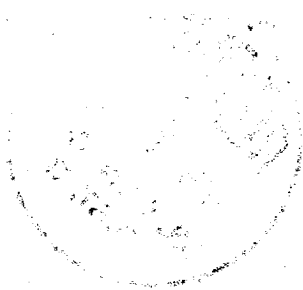
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

## 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 7:** 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.



- 1/26/67 Ran 3 7/8" bit and cleaned sand out of liner. Set bridge plug at 7154, pressure tested above bridge plug with 4200 psi, held OK.
- 1/27/67 Fill casing and liner with 1% KCl water, spotted 500 gals. 7 1/2% HCl acid on bottom. Perforated Graneros Sand 6998 - 7002 and 7015 - 7017 and upper Dakota 7132-7134, 7136-7138 and 7140-7144, total of 14' with 28 McCullough Super Dyna Jets. Pumped 500 gals. Mud Acid and sand fractured perforations 6998 - 7144 with 50000 lbs. 20-40 sand mixed 1/2 to 1 lb. per gal. with 1% KCl water containing friction reducer at 45 - 50 BPM, 4100 - 3700 psi.
- 1/28/67 Drilled out bridge plug at 7154. Set bridge plug at 6950 to isolate Dakota. Pressure tested above bridge plug with 3000 psi, held OK. Perforated Pictured Cliffs Sand (7 5/8" casing) 2848 - 2852, 2863 - 2874 and 2878-2882, total of 19' with 38 McCullough Super Dyna Jets, 2 holes per foot. Sand fractured perforations 2848 - 2882 with 50000 lbs. 10-20 sand mixed 1/2 to 1 lb. per gal. with fresh water at 64 BPM, 1800 - 1700 psi.
- 1/29/67 Set packer at 2818 with 2 3/8"OD tubing. Well started flowing water at 4:30 p.m., flowed well until 12 midnight, cleaned out water, flowing gas, final pressure 125 psi on tubing, flowing through 2" line with 3/4" swege on end.
- 1/30/67 Shut in tubing pressure (9 1/2 hrs.) - 752 psig. Tested Pictured Cliffs for 3 hours, final rate of 2485 MCFD through 3/4" positive choke, 189 psig tubing pressure.  
Pulled packer, well killed with water.
- 1/31/67 Ran mill and drilled up bridge plug at 6950, cleaned out to 7247 with 1% KCl water. well kicking. Set Baker Model F Retainer Production Packer at 6970' with wire line. Landed following tubing in production packer for Dakota production:
- |                                                   |         |         |         |
|---------------------------------------------------|---------|---------|---------|
| 1 joint 2 3/8"OD, 4.7#, J55, EU                   | 31.53   | from    | to      |
| 2- 10' & 1- 6' pups, 2 3/8"OD, 4.7#               | 26.20   | 11.00KB | 42.53   |
| 90 joints 2 3/8"OD, 4.7#, J55, EU                 | 2776.66 | 42.53   | 68.73   |
| 2- 20 & 1- 10' blast joints 3.062" x 1.995"       | 50.66   | 68.73   | 2845.39 |
| 131 joints 2 3/8"OD, 4.7#, J55, EU                | 4048.30 | 2845.39 | 2896.05 |
| Seating nipple and safety joint                   | 1.78    | 2896.05 | 6944.35 |
| 1 joint 2 3/8"OD, 4.7#, J55, EU                   | 30.49   | 6944.35 | 6946.13 |
| Baker Model F locator seal assembly, 3 seal units | 3.78    | 6946.13 | 6976.62 |
| Baker type E full opening non perforated          | 5.00    | 6976.62 | 6980.40 |
| production tubing                                 |         | 6980.40 | 6985.40 |
- 2/1/67 Landed following tubing for Pictured Cliffs production:
- |                                      |         |         |         |
|--------------------------------------|---------|---------|---------|
| 90 joints 2 3/8"OD, 4.7#, J55, EU    | 2801.49 | 11.00KB | 2812.49 |
| seating nipple                       | 0.93    | 2812.49 | 2813.42 |
| perforated 2 3/8" pup (bull plugged) | 5.30    | 2813.42 | 2818.72 |
- Blew Pictured Cliffs and Dakota for 8 hours to clean out water. Shut in at 12:00 midnight, 2/1/67.
- Test results will be reported when available on form 9-331 and also on 9-330 for each zone.

