

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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.

12

10. FIELD AND POOL, OR WILDCAT

Jicarilla-Basin Dakota

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

Sec 33, T26N, R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 ☐ GAS ☒
WELL WELL OTHER

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 97, McFadden, Wyoming 82080

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

(See also space 17 below.)

At surface

800' PNL, 800' PNL (SW NE NE) Sec 33, T26N, R5W

14. PERMIT NO.

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

6541' GR

6554' LS

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 COMPLETION ☐ABANDON* ☐CHANGE PLANS ☐Production Casing ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Production Casing ☒(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.)*

2/17/67 Drilled to total depth of 7355'.

2/18/67 Ran 226 joints of 4 1/2" casing 11.6", 8rd thd, J55, LMAC-LMAC. Cemented casing by Byron Jackson. Overall length 7375.19, effective length 7335.77. First stage cement, pumped 500 gallons of mud flush ahead of cement. Mixed 250 cu. ft. filler cement (MIS 400 with 6 1/4" Gilsontite) and 150 cu. ft. quality cement (1 sack class G, 1 sack Diamix, 50 sack salt and 1 1/2 D-30 Friction reducer), displaced with 50 bbls. water, followed by 65 bbls. mud. Pumped plug with 1750 psi, bled back 1 bbl., float held OK. Circulated hole for 45 minutes prior to cementing second stage, got returns on mud flush, cement and water. Treated 72 bbls. mud with Adomall, pumped ahead of cement. Mixed 600 cu. ft. (MIS 400) displaced with 84 bbls. water, plug down. Estimated top of cement in annulus at 2600'. Good circulation while cementing.

22 joints of 4 1/2" LMAC casing
204 joints of 4 1/2" SMC casing
Baker LV Multistage collar
Baker circulating differential collar
Baker down whirler guide shoe

	Overall Length	Effective Length
	684.04	678.72
	6791.15	6657.15
	1.98	1.75
	1.76	1.60
	0.88	0.88
	7379.81	7340.00

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

SIGNED

TITLE

Area Superintendent

DATE

March 2, 1967

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED

MAR 3 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 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.

- 2/17/67 Went in hole and found cement on top of DV plug at 5369. Drilled out plug and cleaned out to bottom, 7338'.
- 2/20/67 Ran Gamma Ray-Collar Correlation log by Schlumberger, adjusted depth to agree with Density log, tagged MBTD at 7330'. Pressure tested casing to 4500#, held OK. Perforated lower Dakota with 2 Hyper Jets per foot by Schlumberger from 7238-44, 7251-55, 7193-96 and 7299-7303. Total of 17', shot from correlation log.

Sand fractured lower Dakota by Dowell. 15,000# of 40-60 sand and 15,000# 20-40 sand. Preceded frac with 500 gal. mud acid. Pressure broke from 4200 to 3650#, when acid hit formation. Started frac 1/2# per gal., 1/4# J-100, 1% KCl at 294 bbls., increased sand 3/4# per gal. Final pump pressure 3600#. ISIP 2000#. Average injection rate 55 BM, displaced with 192 bbls. water. Used total of 1338 bbls. water. Shut blind rams after 15 min. shut in, pressure 1600 psi. Ran Baker F-C top drill CI plug on wire line. Set BP at 7230. Pressure tested BP at 4200 psi, held OK. Perforated upper Dakota with 2 Hyper Jets per foot from 7209-12 and 7217-22, had immediate communication with lower zones. Perforated Graneros from 7077-84 with 2 Hyper Jets per foot. Pumped 500 gals. mud acid in casing. Sand fractured upper Dakota and Graneros with 39,000 20-40 sand. Start frac 1/2# per gal. increased to 1# per gal., average pressure 3900#, maximum pressure 4300#. ISIP 1800 psi, bled to 1700# in 20 min. Shut well in. Cleaning well to test.

1. The first part of the document is a letter from the President of the United States to the Congress.

2. The second part is a report from the Secretary of the Treasury on the state of the Union.

3. The third part is a report from the Secretary of the Navy on the state of the Navy.

4. The fourth part is a report from the Secretary of the War on the state of the War.