

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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
Marathon Oil Company
3. ADDRESS OF OPERATOR
P. O. Box 39, Sidney, Nebraska 69162
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
900' FSL, 900' FWL, SW SW, Section 34, T.26N., R.5W

14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6541' GL 6554' KB

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.
14
10. FIELD AND POOL, OR WILDCAT
Jicarilla-Basin Dakota
11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T.26N., R.5W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico

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) Surface 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.)*

September 8, 1968 - Spudded well with 12 $\frac{1}{4}$ " hole at 10:00 P.M.

September 9, 1968 - Drilled 12 $\frac{1}{4}$ " hole to total depth of 427'. Ran surface casing as follows: Rector 9-5/8" casing head 1.80', 9-5/8", 32.30#, 8-R, H-40, Rge. 2, Condition 1 casing with overall length of 407.41', effective length 404.19', Baker guide shoe 1.20', landed at 421.19' KB. Cemented with 275 sacks Class A cement, 2% CaCl by Halliburton. Good cement returns to surface. Circulated approximately 10 sacks cement, 30' left in casing. Plug down at 12:05 P.M.

September 10, 1968 - Tested casing with 1,000 psi for 30 minutes, held okay. Drilled out at 5:00 P.M. Drilling ahead.

RECEIVED

OCT 14 1968

U. S. GEOLOGICAL SURVEY

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

SIGNED Frank Bann

TITLE District Operations Manager DATE October 10, 1968

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

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Tract 241 - Contract 000154

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Jicarilla Apache

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Jicarilla Apache

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Jicarilla - Basin Dakota

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SURVEY OR AREA

Sec. 34, T.26N., R.5W

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WELL WELL

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See also space 17 below.)
At surface

900' FSL, 900' FWL, SW SW, Section 34, T.26N., R.5W

14. PERMIT NO.

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

6541 GL

6554 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) Completing well ☒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.)*

10- 1-68 Drilled out stage collar 3192-3194', found lower stage collar 5365-5367'. Found cement at 7230', drilled cement to PBTD of 7306'. Filled casing with "slick" water, closed rams and Dowell pressure tested casing to 4,000 psi, held okay. Spotted 250 gallons 7 1/2% HCL acid on bottom. Ran Schlumberger Gamma Ray Correlation log. Tagged bottom at 7305' KB.

10- 2-68 Perforated lower Dakota 7201'-7206' (5'), 7212-7214' (2'), 7219-7225' (6'), 7265-7267' (2'), 7273-7278' (5'); total of 20' with 20 Schlumberger Hyper Jets (1 hole/foot). Ran Baker retrievematic packer to 7007', Model F seating nipple above packer. Spotted 500 gallons Dowell mud acid on bottom. Set packer, displaced acid into perforations at 1/4 BPM and 1100 psi. Had communication between drill pipe and annulus. Pulled drill pipe, found hole in one joint and washed out box and pin. Pumped 500 gallons 15% HCL acid into casing. Mixed 40,000# 20-40 sand, 1/4 to 1#/gallon frac water, 58 to 65 BPM, 3400 to 3150 psi. Pressure dropped from 3300 to 3200 psi when acid hit formation. Flushed with 178 barrels water at 64 BPM, 3200 psi. Immediate shut in pressure 1500 psi, 950 psi in 15 minutes. Used total of 1178 barrels water. All water contained 2 1/2#, J166 friction reducer per 1,000 gallons and 1% KCl.

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

SIGNED Frank BannettTITLE District Operations Manager DATE October 10, 1968

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10-2-68 Set Baker Model Pl cast iron bridge at 7192' with Schlumberger wire line. Pressure tested casing above bridge plug to 2500 psi, held okay. Perforated upper Dakota 7171-7183' (12') and Graneros 7042-7050' (8'), a total of 20' with 20 Schlumberger Hyper Jets (1 hole/foot). Well kicked when interval 7171-7183' was shot.

Pumped 1,000 gallons 15% HCl acid into 5½" casing. Mixed 60,000# 20-40 sand, 1½ to 1#/gallon, 39 to 70 BPM, 4,000 to 2,950 psi. Pressure dropped from 4,000 to 2,500 psi when acid hit formation. Displaced with 180 barrels water at 55 BPM, 2700 psi. Immediate shut in pressure 2100 psi, 900 psi in 15 minutes. Used total of 1700 barrels water. All water contained 2½# J166 friction reducer per 1,000 gallons and 1% KCl.

Set Baker Model Pl cast iron bridge plug at 2950', didn't hold. Set second Baker Model Pl cast iron bridge plug at 2930', held okay. Pressure tested casing above bridge plug to 2500 psi, held okay.

Perforated Pictured Cliffs sand 2865-2872' (7'), 2880-2886' (6'), 2901-2911' (10'), 2916-2919' (3'), a total of 26 feet with 52 Schlumberger Hyper Jets (2 holes/foot).

10-3-68 Sand water fractured Pictured Cliffs perforations 2865-2919' down casing by Dowell. Broke formation down with water, 2500 to 1100 psi. Mixed 50,000# 10-20 sand with water, 1 to 1½#/gallon. Started at 60 BPM, 1900 psi. Dropped 12 nylon rubber covered sealer balls when rate was 95 BPM, 1900 psi. Pressure increased to 4,000 psi when balls hit. Decreased rate to 40 BPM, finished at 53 BPM, 3500 psi. Flushed with 75 barrels water at 53 BPM, 3500 psi. Immediate shut in pressure 1,000 psi, 750 psi in 15 minutes.

Tagged bridge plug at 2930' with bit and drill pipe. Shut off supply gas and tested gas flow from Pictured Cliffs at 2.9 MMCFPD through casing annulus for 10 minutes. Drilled bridge plugs at 2930' and 2950'.

10-4-68 Cleaned out and blew well. Started drilling bridge plug at 7192'. Well blowing gas, water, some condensate and sand.

10-5-68 Cleaned out to 7301', bridge plug moving down the hole. Bit stuck at 7287', could not break circulation with rig pump, 1100 psi. Tried to break circulation with Dowell. Pressured drill pipe to 2500 psi. Pressure bled off slowly, pipe remained stuck.

10-6-68 Closed BOP's, mixed mud and killed well down the casing annulus. Laid down kelly and picked up one joint of drill pipe. Found tool joint at 7259' free by McCullough Magnatector. Tagged bottom of drill pipe at 7285'. Ran McCullough string shot through lubricator, backed off drill pipe at 7259'. Left one joint 2-7/8" drill pipe, bit sub and bit in casing. Set McCullough plug in middle of bottom joint of drill pipe. Didn't hold.

- 10-9-68 Perforated drill pipe with six holes by McCullough. Pumped 100 BW and started circulating mud. Hole standing full of 9.7#/gallon mud, lost no mud to formation. Pulled drill pipe.
- 10-10-68 Went back in hole with wash pipe, now washing over fish at 7259'.