

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

CLSF
Op

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-015-25133
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-993-3
7. Lease Name or Unit Agreement Name INDIAN BASIN "32" STATE
8. Well No. 1-Y
9. Pool name or Wildcat INDIAN BASIN UPPER PENN ASSOCIATED
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL WELL ☐

GAS WELL ☒

OTHER

2. Name of Operator

Marathon Oil Company

3. Address of Operator

P.O. Box 552 Midland, TX 79702

4. Well Location

Unit Letter M : 1270 Feet From The SOUTH Line and 660 Feet From The WEST Line

Section 32 Township 21-S Range 24-E NMPM EDDY County

11.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

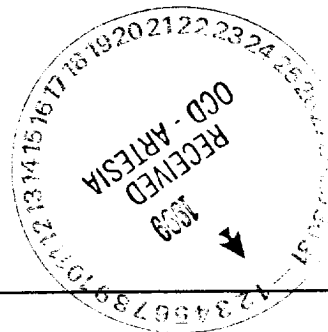
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Mill out liner, add pay and acidize ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Work started on 12/31/98. When pulling the submersible pump, the pump became stuck and the cable and CT string broke free and fell downhole. After the fish was finally recovered, it was decided to mill out the 5" liner to 8100' and add more Upper Penn pay in this well. The details of this operation are on the attached sheet(s). The well was turned back to production on 4/27/99.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Greg L. Lark

TITLE Engineer Technician

DATE 5/26/99

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

Jim W. Green

District Supervisor

APPROVED BY

TITLE

DATE 6-2-99

CONDITIONS OF APPROVAL, IF ANY:

ATTACHMENT TO FORM C-103

IB 32 State #1-Y
API # 30-015-25133

May 26, 1999

1. 12/31/98 MIRU PU. NU BOP. Large amount of drag. Pulled Seaboard Tbg. Hanger above Torus. Jarred & worked stuck pump. Spotted 700 gals. of 15% acid down annulus. RU wireline & RIH w/free point. Tagged inside tbg @ 6985', free above that. RD wireline
2. Worked stuck pump. Pumped 2000 gals. 15% acid down casing. Worked stuck pipe. Made 15'. Pumped 1500 gals. 20% acid. Worked stuck pump. Made 11'.
3. Spotted 1500 gals. 20% acid to top of pump shroud. Worked stuck pump. Lost CT string downhole. Slacked off tbg & shut in well on 1/4/99.
4. MIRU PU again on 1/14/99. Worked stuck pump. RIH w/overshot on sandline. Fished 1" bar @ 7088'. No fill. RIH w/K-bar. Spudded and busted drain & check valve. Pushed down to top of pump.
5. RIH w/2-1/4" OD mill on 1-1/4" drill pipe inside 2-7/8" tbg. Ran 102 jts. to 7088'.
6. Milled through drain. Tagged check @ 7153'. Milled thru check. Tagged @ 7467'. POOH & L/D drill pipe.
7. RU wireline. Ran free point. Stuck @ 7345'. Free @ 7273'. Jet cut tbg. @ 7448'. Could not free tbg. Jet cut tbg. @ 7286', but still could not free it. Ran free point & stuck @ 7024'. Free @ 6700'. Jet cut @ 6698'. Worked pipe up hole 10' & stuck tbg.
8. RU wireline. Ran free point. Stuck from 6698' through 1200'. Jet cut tbg. @ 5707', 4720', 3733', 2737', & 1726'. POOH w/54 jts. tbg. Top of cable @ 550'.
9. Changed out BOPs & tested. RIH w/spear & latched onto CT string. Recovered 500' of CT & 400' of cable in 3 runs. Continued running spear. On 5th run, screwed into fish @ 660' and POOH w/tbg L/D 50' of balled up cable. After 15th run, RIH w/dresser mill & tagged fish @ 1764'.
10. Started to dress of tbg. Pushed tbg. 8' downhole. POOH w/ dress off mill. RIH w/spear. Pushed tbg to 1792'. POOH & RIH w/dress off mill to 1792'. Milled on top of tbg. POOH & RIH w/overshot. Latched onto tbg & POOH. Top of 2nd fish @ 2793'.
11. RIH w/overshot. Latched onto tbg. POOH L/D 30 jts. tbg w/cable & CT string. RIH w/6" overshot, bumper sub, jars, DCs and tagged @ 3775. Worked to 3778'. POOH w/overshot. RIH w/dress off mill & milled to 3779'. POOH & RIH w/2" spear. Worked spear to 3781'. POOH w/spear. No recovery.
12. RIH w/ 6" OD shoe w/WL cable on inside. Tagged fish @ 3779' & POOH. Recovered 2 1/2' of cable. RIH w/6" OD dress off shoe w/4-5/8" mill. Milled fish from 3779'-3783'.
13. POOH w/dress off mill. RIH w/overshot on DCs & jars. Tagged fish @ 3783'. Couldn't get it over the fish. POOH & found balled up tbg & cable in overshot. RIH w/17' of extensions on 6" overshot. RIH to 3783'. PU swivel & milled on fish w/no progress. POOH w/control mill w/overshot. RIH w/cut-rite shoe w/overshot. Dressed off tbg & latched onto tbg. POOH w/AOH pipe & L/D 30 jts. tbg. in 2 pieces.
14. RIH w/spear on AOH pipe. Tagged fish @ 3834'. Worked spear & POOH w/pipe L/D 1300' of cable & 2200' of CT string. RIH w/dress off shoe, 5-3/4" overshot, jars, & DCs. Tagged up on fish @ 4758'. Dressed off fish. Latched on to tbg. & picked up on fish. L/D swivel.
15. POOH & L/D fish of 30 jts. tbg & 2 1/2 jts w/jet cuts. RIH w/spear & tagged top of fish. POOH & L/D fish of 20 bands. RIH w/dress off mill w/overshot and repeated the above process until top of fish @ 6700'.
16. Ran impression block which showed bands on top of fish. RIH w/milled overshot, tagged fish & milled to 6712'. Lost returns causing pipe to get stuck. R/U Baker Atlas & perfed bottom jt. of AOH pipe to get hydrostatic off back side of shoe. R/D wireline.

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17. POOH w/pipe & L/D shoe, overshot & jars. RIH w/shoe w/wires to top of tbg. Worked over fish. POOH w/tbg & L/D shoe w/wires. RIH w/dress off mill, overshot & jars. Milled over fish to 6723'. Latched onto tbg & worked it free. POOH w/fish.
18. RIH w/spear w/bumper sub. Jarred fish loose & POOH. Repeated process until top of fish @ 6933'. RIH w/shoe w/diamond slots & wire. Tagged up on fish & milled to 6960'. POOH w/shoe & 2' ball of junk metal. RIH w/spear w/bumper sub & tagged up on fish. Worked spear down to 6982' and pulled 30K over to free up from junk. POOH w/fish. Repeated this process until fish @ 7290'.
19. RIH w/mill and milled over fish to 7306'. POOH w/fish and repeated to 7320', then started over with the spear w/bumper sub. Repeated process until pump was reached @ 7479'.
20. RIH & tagged top of pump @ 7479'. Washed over to 7492'. Reverse circulate & recovered 5 gals. of iron. POOH w/shoe. Recovered top part of pump and more cable & CT string. RIH w/Box tap. Tagged @ 7489' attempting to work over fish. POOH & found cable inside box tap. RIH w/shoe to 7489'. Milled over fish to 7492'. Couldn't get good bite on fish so POOH.
21. RIH w/box tap & screwed onto fish. Pulled fish free & POOH w/no recovery. RIH w/new box tap & screwed into fish but lost it again. Ran back in w/another box tap and recovered pump, intake and 2 motors. RIH w/spear to 7507' & POOH w/shroud & 14 jts of tail pipe, but didn't recover the RBP.
22. Tried to recover RBP w/overshot & grapple. Ended up pushing the RBP down hole. Ran 7" csg scraper to 7565'. POOH & RIH w/5" csg scraper to 7800'. POOH.
23. RIH w/5" cement retainer. RU Halliburton and squeeze perfs from 7798'-7908' w/foam cement. RD Halliburton. POOH w/pipe & L/D tbg & stinger. Changed out BOPs & RIH w/bit to 6325'. Shut in well.
24. RIH w/bit to 7738'. Drilled out retainer & cement to 7900'. Lost returns. Chased retainer down to top of RBP @ 8621'.
25. POOH & RIH w/cement retainer. RU Halliburton and tried to squeeze perfs from 7798'-7908'. Couldn't pump through retainer, so POOH and RIH w/another retainer. Pumped through retainer. Set retainer. Pumped cement to squeeze perfs. Let cement fall until balanced. Pulled out of retainer. Couldn't reverse out. POOH & L/D cemented drill pipe. Shut well in.
26. RIH w/bit & picked up 68 jts AOH pipe. RIH & tagged retainer. Drilled out retainer & cement. Started losing some returns @ 7899', losing 1 BPM @ 7908'. Finished RIH to bottom w/bit to top of RBP @ 8620'. POOH w/bit. RU wireline to cut casing.
27. Cut 5" liner @ 7572'. RIH w/spear to fish, jarred free & POOH. Full recovery. RIH w/pilot mill, shock tool & DCs. Tagged liner & milled from 7598'-7640' (DP measurement).
28. POOH w/mill & found 5" liner wrapped around it. Changed out mill, added jars & RIH. Milled liner to 7645'. Circulated & POOH w/mill. RU wireline & chemical cut liner @ 7678'. RIH w/spear & latched onto fish. Couldn't jar it loose. PU swivel. Circulated & jarred until spear released from fish. POOH w/spear.
29. RIH w/concave mill. Tagged @ 7624' & milled to 7641'. POOH w/mill. RIH w/csg mill. Tagged @ 7641'. Milled to 7701'. Circulated & POOH.
30. RIH w/new csg mill. Tagged @ 7690'. Washed to bottom. Milled on liner to 7710', but it wasn't cutting. Circulated & POOH. RIH w/concave mill. Tagged @ 7676'. Milled line to 7710'. Circulated, changed out swivels & POOH w/mill. Replace mill again & ran back in w/another concave mill. Tagged @ 7701', picked up swivel & milled to 7710'. No penetration after 7710'. POOH and RIH w/smaller concave mill. Tagged @ 7710', milled to 7714' & fell through. Circulated & finished running pipe through to clean out 5" liner.
31. POOH & RIH w/another concave mill to 8610'. Cleaned out well bore. Worked mill out of hole using swivel. RIH through liner from 7710-8200'. POOH w/concave mill & L/D.
32. RIH w/spear & latched onto csg. RU wireline & run free point. No free csg. RD wireline, released from csg & POOH w/spear. RIH w/5 1/4" insert mill w/4" bull nose.

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33. Milled to 7718'. Circulated well bore clean & POOH. RIH w/6 blade comb buster mill. Circulated & conditioned mud. Milled on 5" csg from 7716'-7728'. POOH w/mill & RIH w/6 1/8" metal muncher mill. Milled to 7740'. Circulated & RU shaker & pit. POOH w/mill.
34. RIH w/5-3/16" OD blade csg mill. Milled to 7740', then mill plugged off. POOH w/30 stands, unplugged mill & reverse circulated. Cleaned mud. RIH 3 stages circulating & cleaning mud. Recovered 5 gals. fine metal out of mud. Milled liner to 7848'. Mill quit. Circulated & POOH w/mill.
35. RIH w/6-1/8" conebuster mill & milled liner to 7794'. Plugged off mill trying to circulate. POOH w/mill. Ran back in w/same type mill. Milled to 7852'. Circulated & POOH w/mill. RIH w/5-13/16" insert mill. Plugged off mill trying to circulate. POOH w/mill.
36. Unplugged it and ran back in. Milled liner to 7875' before mill quit. POOH and RIH w/4-1/8" conebuster mill. Plugging off so POOH. Set DCs & Rih w/2-7/8" DP open ended to 7874'. Couldn't get in liner. Circulated & POOH.
37. POOH w/DP and ran back 4-1/8" conebuster mill to 7852'. Milled to 7881', circulated well bore clean, & POOH w/mills. RIH w/5 1/4" pilot mill. Milled to 7929'. Circulated well bore clean. POOH & L/D pilot mill.
38. RIH w/6-1/8" concave mill. Dressed off liner & circulated well bore clean. POOH w/mill. RIH w/4 1/4" conebuster mill. Milled to 7947' & fell into liner.
39. Changed out stripping head. Milled out liner w/4 1/4" mill to 8131'. Circulated clean & POOH L/D 4 1/4" mill. RIH w/5-1/8" insert mill. Milled from 7946'-7966'. Circulate well bore clean & POOH L/D insert mill. RIH w/6-3/16" metal muncher and milled from 7826'-7982'. POOH & RIH w/new mill. Milled to 7991'.
40. Mill stuck. Jarred it free and milled to 7994'. Mill stuck. Jarred it free and circulated. Displaced hole w/produced water. POOH L/D drill pipe & DCs. ND BOP. NU wellhead. NU BOP. RIH w/6-1/8" bit & 7" csg scraper on 2-7/8" tbg. Tagged @ 7994'. Displaced hole w/2" KCL. POOH L/D bit & DCs.
41. RU wireline. Ran 7" gauge ring. Set 7" CIBP @ 7980'. Perfed 7800'-7842', 7846'-7862', 7866'-7880', 7886'-7908' w/4 jspf @ 120° phasing. RD wireline & RIH w/7" PPI tool.
42. RIH to 7925'. Pickled 2-7/8" tbg w/600 gals 15% HCl acid. Dropped valves. Set PPI packer @ 7908' & PUH treating perfs from 7800'-7908' in 2' increments w/75 gals. per foot of 15% CCA sour acid, for a total of 7350 gals. Set packer @ 7733'. RU swab unit.
43. Swabbed well recovering 50 bbls water. Released packer & pulled tbg w/packer. Ran RBP w/tbg & set @ 5245'. Got off RBP, loaded & tested RBP, & pulled tbg. Picked up submersible pump & motors. RIH w/2-7/8" L-80 tbg landing bottom of RBP @ 7986'. Made final splice. ND BOP NU wellhead. Shut well in waiting on power to be installed. RD PU. Work completed 4/27/99.
44. 5/4/99 MIRU PU. RD wellhead & NU BOP. POOH w/tbg & sub pump. Checked sub pump. RIH w/sub pump & tbg. Landed bottom of 7" RBP @ 7975'. Made final splice. ND BOP & NU wellhead. Turned well over to production 5/6/99.