

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION  
BOX 1980  
MORRIS, NEW MEXICO 88240  
Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM-84652 NM-62602

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

HAMON "A" FEDERAL COM 1

9. API Well No.

30-025-30881

10. Field and Pool, or exploratory Area

QUAIL RIDGE / MORROW

11. County or Parish, State

LEA CO NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No.

P.O. Box 552, Midland, TX 79702 915/687/8324

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL "J", 1650' FSL, & 1980' FEL  
SEC 7, T-20-S, R-34-E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other FRACTURE STIMULATE  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

MARATHON OIL COMPANY INTENDS TO FRACTURE STIMULATE THIS WELL AS PER THE PROCEDURE DISPLAYED ON THE REVERSE SIDE.

RECEIVED  
APR 24 8 56 AM '95  
O&G  
ART

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

Signed Thomas M. Sorce

Title Advanced Engineering Tech.

Date 4/21/95

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA

Title

**PETROLEUM ENGINEER**

Date 5/25/95

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

1. Test anchors to 22,000 lbs. MIRU PU.
2. RU slickline service company and make 1.88" gauge ring run. POOH. Set 1.87" blanking plug in F nipple in on/off tool at 13459'.
3. Blow down well. Load tubing and test plug. Load casing with 2% KCl. Attempt to pressure up on backside to 1,000 psig (73% of casing burst) to see if perforations above packer will hold pressure.
4. ND wellhead. NU 7-1/16", 5M psig, hydraulic BOP's w/ blind rams on bottom, and 2-7/8" pipe rams on top. Install two 2-1/16", 5M psig valves below blind rams.
5. RU slickline service company and retrieve blanking plug.
6. Release anchor seal assembly. POOH with 426 jts 2-7/8" tubing, 2-7/8" x 2-3/8" cross over, on/off tool w/ "F" nipple, 2-3/8" x 6' sub, and anchor seal assembly. Redress anchor seal assembly. Visually inspect 2-7/8" tubing. If it is in good condition it will be used in step 8 below. If not a 2-7/8" N-80 work string will be used in step 8 to frac with.
7. Test BOPE with MOC standardized packer and plug method to 2,500 psig.
8. RIH with redressed anchor seal assembly, 2-3/8" x 6' sub, "F" nipple, Baker model L-10 (10,000 psi burst) on/off tool, 2-7/8" x 2-3/8" cross over, 2-7/8" N-80 production string (or work string) hydrotesting to 9,000 psig (85% of burst). Latch into Baker model D packer at 13,465'. Slack off 20,000 lbs.
9. RU slickline service company and set 10,000 psi blanking plug in "F" nipple.
10. Release from on/off tool.
11. RU Western. Pickle tubing with 750 gal 15% HCl flushed with 2,525 gal water (to bottom of tubing). Reverse circulate acid out of tubing.
12. Latch onto on/off tool. Test on/off seal with 6,000 psig surface pressure (9,500 psi differential pressure on blanking plug).
13. RU slickline service company and retrieve blanking plug.
14. RIH with dump bailer and plug back from 13,655' fill depth to 13,615' with 65 cu ft 20/40 brady sand to cover bottom set of Lower Morrow perfs. Verify PBTD of 13,600' to 13,615'.
15. RU Western Company. Test surface lines to 10,000 psig. Install 2,000 psig annular pop-off valve.
16. Fracture stimulate Lower Morrow perfs (13,547' to 13,557') with 32,000 gal 70 quality binary foam carrying 37,000 lbs 20/40 ISP at 10 BPM as per the following schedule. Maximum anticipated surface pressure is 8,200 psig. Maintain 1,000 psig on annulus during frac if possible.
17. Shut well in and monitor pressure for 20 minutes. Rig up flowback manifold.
18. Commence flowback on a 8/64" choke after 2 hours shut in. Choke size can be increased based on pressure response. Anticipate some sand production at bottoms up. Record rates, pressures and choke sizes.
19. After proppant and frac fluid and gases have cleaned up RU slickline service company. RIH w/ 2.25" gauge ring to profile nipple.
20. Set blanking plug in F nipple.
21. If used production string to frac with, continue to step 25 otherwise continue to step 22.
22. Load tubing with 2% KCl water to equalize pressure.
23. Release from on/off tool and POOH w/ 2-7/8" workstring.
24. RIH w/ 2-7/8" production string and latch back onto on/off tool. Swab tubing fluid level down to 10,000' to remove overbalance.
25. ND BOPE. NU wellhead.
26. RU slickline service company and retrieve blanking plug.
27. Turn well into sales line and record FTP, BOPD, MCFFD, and BWPD.
28. RDMO PU.

**RECEIVED**

MAY 10 1990  
OIL REVENUE  
OFFICE