

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

|   |   |
|---|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other      | 5. Lease Designation and Serial No.<br>NM-0251099-A                         |
| 2. Name of Operator<br>Marathon Oil Company   | 6. If Indian, Allottee or Tribe Name  |
| 3. Address and Telephone No.<br>P.O. Box 552 Midland, TX 79702 915/682-1626   | 7. If Unit or CA, Agreement Designation                                     |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>UL "F", 1650' FNL & 1650' FWL<br>SECTION 11, T-22-S. R-23-E | 8. Well Name and No.<br>SMITH FEDERAL #1                                    |
|   | 9. API Well No.<br>30-015-10567   |
|   | 10. Field and Pool, or exploratory Area<br>INDIAN BASIN UPPER PENN GAS POOL |
|   | 11. County or Parish, State<br>EDDY NM                                      |

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

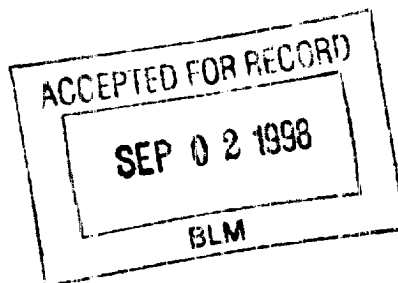
TYPE OF ACTION

- |  |  |
|--|--|
| <input type="checkbox"/> Abandonment                                     | <input type="checkbox"/> Change of Plans         |
| <input type="checkbox"/> Recompletion                                    | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Plugging Back                                   | <input type="checkbox"/> Non-Routine Fracturing  |
| <input checked="" type="checkbox"/> Casing Repair                        | <input type="checkbox"/> Water Shut-Off          |
| <input type="checkbox"/> Altering Casing                                 | <input type="checkbox"/> Conversion to Injection |
| <input checked="" type="checkbox"/> Other <u>INSTALL ARTIFICIAL LIFT</u> | <input type="checkbox"/> 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.)\*

SEE ATTACHED EXPLANATION.



CRUISE SCHEDULE

|   |                                  |                         |
|---|----------------------------------|-------------------------|
| 14. I hereby certify that the foregoing is true and correct |                                  |                         |
| Signed <u>Gary Lake</u>                                     | Title <u>Engineer Technician</u> | Date <u>8/28/98</u>     |
| (This space for Federal or State office use)                |                                  |                         |
| Approved by _____   | Title _____                      | Date <u>SEP 02 1998</u> |
| 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.

\* See Instruction on Reverse Side

Smith Federal Well No. 1  
Indian Basin Upper Penn Gas Pool  
API No. 30-015-10567  
UL "F", 1650' FNL & 1650' FWL  
Section 11, Township 22 South, Range 23 East  
Eddy County, New Mexico

**INSTALL ARTIFICIAL LIFT** - Work commenced 5/29/98

1. MIRU PU. ND wellhead. NU BOP.
2. POOH w/2-7/8" tbg. PU 4-3/4" shoe, packer picker, and six 3-1/2" drill collars on 2-7/8" tubing. Tagged Baker packer @ 7255'. Milled over packer from 7255'-7258' and pulled up 18'.
3. Milled over packer. Jarred packer free. POOH. PU 4-3/4" bit. Tagged obstruction @ 2886'. PU swivel. Drilled for 1 hr. POOH.
4. RIH w/4-3/4" mill. Tagged @ 2371'. Milled 45 mins. Established circulation. Opened valve between & 5-1/2" csg. Established circulation between casing strings. POOH w/mill. RIH w/1 jt. of tbg. tapered string mill. Tagged @ 2371'. POOH. RIH w/tapered mill on bottom of 2-7/8" tbg. Tagged @ 2371'. Found casing parted @ 2371'.
5. MIRU casing pullers. Bled pressure off well. NU BOP. PU 83 jts. Of 2-7/8" tbg. Did not tag @ 2371'. RIH to 2886'. Tagged up. POOH. ND "B" section between 11" & 7-1/16" casing. Found well had a solid hanger welded to 5-1/2" casing. NU spool & BOP.
6. ND 7-1/16" BOP and tubing head. Found 5-1/2" casing hanger in "B" section to be one solid piece. NU BOP. RIH w/1 jt. 2-3/8" tbg. below the 2-7/8" tbg. Tagged up @ 2886'. POOH w/312'.
7. RU DVI. Ran video from 312' to 2886'. Found parted pipe @ 2366' and 2886'.
8. Loaded 5-1/2" casing. Bled off pressure. ND & pulled BOP & tbg. head. Speared 5-1/2" csg. PU on csg. and "B" section. LD first jt. Stripped on new "B" section w/11" BOP and Torus annular. POOH laying down 73 jts. Of 5-1/2" csg. Attempted to spear second fish @ 2376'. Was not able to pass thru 5-1/2" csg. RIH w/tapered mill. Mill was passing on the outside of csg.
9. POOH. ND torus. RIH w/7-5/8" overshot. Latched onto fish @ 2376'. POOH laying down 15 jts of csg. RIH w/7-5/8" outside cutter. Not able to go over fish @ 2886. POOH to drill collars.
10. POOH. RIH w/7-5/8" mill on 1 jt. of 7-5/8" washover pipe. RIH to 2886'. Milled over 5-1/2" csg. from 2886' to 2894'. POOH. RIH w/7-5/8" cutter. Had to work over fish. Attempted to cut 5-1/2" csg. below coupling @ 2894'. POOH. No recovery. Found knives had broken off.
11. RIH w/7-3/4" concave mill to 2886'. Milled on 5-1/2" csg. from 2886' to 2894' ( top of coupling). POOH and RIH w/4-3/4" bit. Not able to get inside 5-1/2" casing.
12. POOH w/bit. RIH w/outside casing cutter and cut casing. POOH w/cutter and LD csg. RIH w/bit & picked up tbg. Tagged PBTD. POOH and LD bit. RIH w/CIBP and set above perfs.
13. POOH w/tbg and LD setting tool. RU wireline unit & run cement bond log. Found TOC @ 6120'. RD unit. RU rotary wireline and chemical cut 5-1/2" csg. @ 6088'. RD wireline. RIH w/overshot & latched on to csg. POOH w/csg.
14. POOH w/tbg. and LD csg. Changed out rams. Unloaded csg.
15. RU casers and cement pump truck. Ran 5-1/2" 17# csg. w/csg. patch to top of csg. cut @ 6088'. Circulate csg. and latch on to csg. Pulled 30 over csg. weight. Pressure tested csg. Dropped bomb to open DV tool. Didn't open.
16. RU wireline on csg. RIH & perfed csg @ 6092'. RD perforators. RU Halliburton and cement csg. w/550 sx. Interfill C w/0.3% HALAD. Tailed w/100 sx Premium + cement. Circulated 115 sx. to pit. Cleaned up stack & flowlines.
17. Set csg. slips & cut off csg. Installed pack-off. Tested wellhead & NU BOPs. RIH w/4-3/4" bit.
18. Drilled cement and DV tool from 5847' - 6087'. Tested csg. to 500 psi. RIH & tagged CIBP @ 7245'. Drilled CIBP from 7245' - 7246'.

19. Drilled cement @ corrected depth of 7209'. Had junk on bottom. POOH w/4-3/4" milled tooth bit. RIH w/4-3/4" conebuster mill. Drilled through junk & cement from 7209' to top of CIBP @ 7245'. Drilled CIBP @ 7245'-7248'. Drilled cement from 7350'-7359'.
20. POOH. RIH w/milled shoe & 1 jt. washover pipe. Milled over 1 Posi-set plug from 7359'-7362'.
21. POOH w/milled shoe. RIH w/overshot to fish Posi-set plug. Could not fish plug. POOH. RIH w/4-3/4" conebuster mill to 7362'. Milled on plug from 7362'-7391'.
22. POOH w/20 stands of tbg. POOH leaving killstring in hole.
23. POOH w/conebuster mill. RIH w/4-3/4" milled shoe w/1 jt. washover pipe. Milled over plugs from 7391'-7540'. Pulled 3 stands.
24. POOH w/shoe & washover pipe. Recovered 2 gals. junk, 6' of cement, & 1 Posi-set plug. RU wireline. Perforated 7432'-68' and 7368'-73' using 23 gm tungsten lined charges @ 4 JSPF w/120° phasing. RIH w/PPI tool.
25. Acidized perms from 7293'-7330', 7368'-7373', & 7432'-7468' thru PPI tool using 8000 gals. 15% HCl acid. POOH w/PPI tool. RIH w/mud anchor, perf sub, SN, 11 jts. 2-7/8" tbg, and TAC on 230 jts. of 2-7/8" tbg. Landed bottom of mud anchor @ 7535'. ND BOP, set TAC, NU adaptor flange & swab well.
26. Shut well in pending delivery of artificial lift equipment.
27. Equipment delivered 7/30/98. MIRU PU. NU BOP. Released TAC. POOH. Recovered fish from tbg. RIH w/2-7/8" tbg. Landed mud anchor @ 7535'. ND BOP. NU adapter flange. RI w/1-3/4" x 26' insert pump on 500' of 1-1/2" sinker bars, 3,250' of 1" steel rods (130), & installed polished rod.
28. RIH w/1-1/4" fiberglass rods. Spaced well out. Tested to 500 psi. Pumped up OK. RD PU.
29. Work was finished 8/2/98.