

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  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MARATHON OIL COMPANY

3. Address and Telephone No.

P.O. BOX 2409, HOBBS, NM 88240 (505) 393-7106

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

UNIT LETTER C, 990' FNL, 1650' FWL

SECTION 16, T-27N, R-11W

5. Lease Designation and Serial No.

NMSF-080382A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SCHWERTFEGER #10

9. API Well No.

30-045-06583

10. Field and Pool, or Exploratory Area

PICTURED CLIFFS

11. County or Parish, State

SAN JUAN, NEW MEXICO

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                   |
|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Abandonment  |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Recompletion            |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Plugging Back           |
|  | <input type="checkbox"/> Casing Repair           |
|  | <input type="checkbox"/> Altering Casing         |
|  | <input type="checkbox"/> Other                   |
|  | <input type="checkbox"/> Change of Plans         |
|  | <input type="checkbox"/> New Construction        |
|  | <input type="checkbox"/> Non-Routine Fracturing  |
|  | <input type="checkbox"/> Water Shut-Off          |
|  | <input type="checkbox"/> Conversion to Injection |
|  | <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.)\*

THIS NOI IS REQUESTED TO SERVE AS AN ALTERNATE PROCEDURE. IN THE EVENT THAT THE CASING DOES NOT TEST GOOD (PER NOI APPROVED ON 1-19-01) THEN MARATHON WOULD LIKE TO IMMEDIATELY START P&A PROCEDURES WHILE THE RIG IS ON LOCATION.

DUE TO THE P&A RIG AVAILABILITY, WORK IS SCHEDULED TO BEGIN MARCH 2002.

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

Signed

*Brian Teller*

Title

*Production Engineer*

Date

*8-20-01*

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

*9/18/01*

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

## PLUG AND ABANDONMENT PROCEDURE

SCHWERDTFEGER #10  
PICTURED CLIFFS  
SEC. 16, T27N, R11W  
SAN JUAN, NEW MEXICO

NOTE: ALL CEMENT VOLUMES USE 100% EXCESS OUTSIDE PIPE AND 50 FT. EXCESS INSIDE PIPE. THE STABILIZING WELLBORE FLUID WILL BE 8.3 ppg, SUFFICIENT TO BALANCE ALL EXPOSED FORMATION PRESSURES.

1. INSTALL AND TEST RIG ANCHORS. PREPARE BLOW PIT. COMPLY WITH ALL BLM, MARATHON, AND KEY ENERGY SAFETY RULES AND REGULATIONS. MOL AND RU DAYLIGHT PULLING UNIT. CONDUCT SAFETY MEETING FOR ALL PERSONNEL ON LOCATION. NU RELIEF LINE AND BLOW DOWN WELL, KILL WITH WATER AS NECESSARY.
2. ND WELLHEAD AND NU BOP. TEST BOP. TOH AND LD 820' OF 1 ½" TBG. PU 5 ½" CASING SCRAPER ON 2 3/8" WORK STRING AND RIH TO 1900'. POH.
3. **PLUG #1** (FRUITLAND, PICTURED CLIFFS, 1550' – 1880'): RIH WITH WIRELINE AND SET CIBP AT 1880'. TIH OPEN ENDED WITH TUBING AND TAG CIBP. CIRCULATE HOLE WITH WATER AND PRESSURE TEST CASING TO 500 PSI. BALANCE 45 SX CL. B CEMENT PLUG ON TOP OF CIBP. POH.
4. **PLUG #2** (OJO ALAMO, KIRTLAND, 752' - 985'): RIH AND PERFORATE SQUEEZE HOLES AT 985'. PU AND RIH WITH 5 ½" RETAINER AND SET AT 935'. ESTABLISH INJECTION RATE INTO PERFORATIONS WITH WATER. MIX 109 SX CL. B CEMENT PLUG, PLACING 84 SX BELOW AND 25 SX ABOVE RETAINER. POH.
5. **PLUG #3** (SURFACE, 0' – 143'): RIH AND PERFORATE SQUEEZE HOLES AT 143'. ESTABLISH CIRCULATION TO SURFACE WITH WATER. MIX APPROXIMATELY 46 SX CL. B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE.
6. ND FLOOR AND BOP AND DIG CELLAR. FILL OUT HOT WORK PERMIT AND CUT OFF WELLHEAD BELOW SURFACE CASING FLANGE.
7. TOP OFF CASINGS AS NEEDED. INSTALL DRY HOLE MARKER. RD, MOL AND CUT OFF ANCHORS.
8. RESTORE LOCATION PER BLM STIPULATIONS.

TODAY'S DATE: 08-06-01

# SCHWERDTFEGER #10

CURRENT

PICTURED CLIFFS

SAN JUAN, NM

SEC. 16, T-27-N, R-11-W

8 5/8", 24.5# @ 83'  
CMT W/ 75 SX, CIRC.

1 1/2" TBG @ 820'

7 7/8" OH

OJO ALAMO @ 822'

KIRTLAND @ 935'

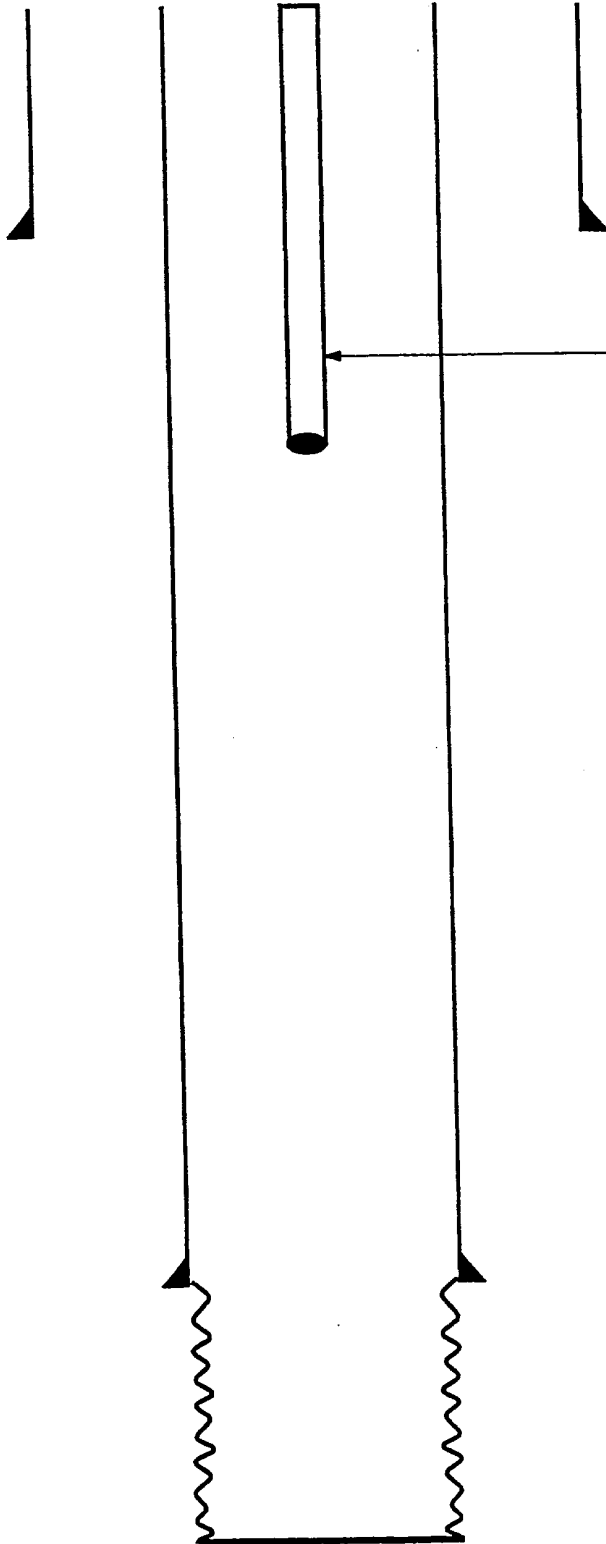
TOC @ 1338' CALC W/ 70% FILL

FRUITLAND @ 1600'

5 1/2", 13#, 14#, 15.5#, 17# @ 1942'  
CMT W/ 150 SX

PICTURED CLIFFS @ 1873'

1942' - 1983' OH



TODAY'S DATE: 08-06-01

# SCHWERDTFEGER #10

PURPOSED

PICTURED CLIFFS

SAN JUAN, NM

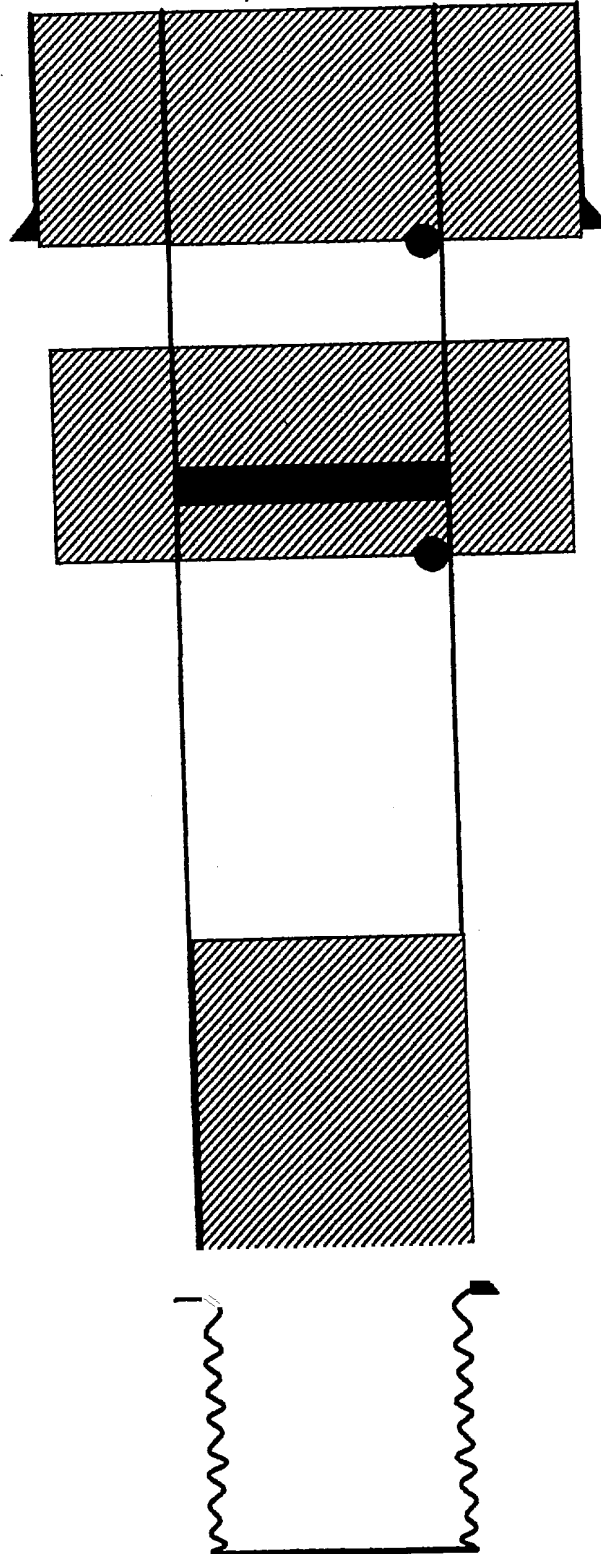
SEC. 16, T-27-N, R-11-W

OJO ALAMO @ 822'

KIRTLAND @ 935'

FRUITLAND @ 1600'

PICTURED CLIFFS @ 1873'



PLUG #3 (0' - 143'), CMT W/ 46 SX

8 5/8", 24.5# @ 83'  
CMT W/ 75 SX, CIRC.

7 7/8" OH

PLUG #2 (752' - 985'), CMT W/ 109 SX

RETAINER @ 935'

PERFORATE @ 985'

TOC @ 1338' CALC W/ 70% FILL

PLUG #1 (1550' - 1880'), CMT W/ 45 SX

CIBP @ 1880'

5 1/2", 13#, 14#, 15.5#, 17# @ 1942'  
CMT W/ 150 SX

1942' - 1983' OH