

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 552, Midland, Texas 79702

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

790' FNL & 790' FEL  
Sec. 5, T-27N, R-11W

**RECEIVED**  
APR 08 1991  
OIL CON. DIV.  
DIST. 3

5. Lease Designation and Serial No.

SE-80382-A

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

Not assigned

8. Well Name and No.

Schwerdtfeger "5" No. 1

9. API Well No.

30-045-27819

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

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**

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

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☒ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ 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 completed the repair of the primary cement job on the Schwerdtfeger "5" Well No. 1 on November 13, 1990. The following is the summary of the operation.

1. MIRU PU & NU BOP's.
2. POOH w/2 3/8" tbq.
3. RIH w/5 1/2" RBP & set @ 1405' KB. Dropped 2 sx of sand on RBP. POOH.
4. RU & perf csg @ 1093' w/4 shots. Closed rams & pumped 40 bbls 2% KCl. Broke circ on backside of 5 1/2" csg.
5. RIH & set retainer @ 1015' KB. Broke circ thru retainer. Press backside to 200 psig. Pumped 200 sx Class "B" Neat followed by 100 sx Class "B" w/1% CACl<sub>2</sub>. Circulated to surface.
6. Pulled out of retainer & dumped 1 bbl cmt on retainer.
7. Ran temp log. Temp chk. 100' from surface & @ 540'.
8. RIH w/4 3/4" bit & (6) 3 1/8" drill collars on 2 3/8" workstring. Tagged cmt @ 968'. DO cmt & retainer. Circ hole clean.

(See Attachment I)

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

Signed J. R. Jenkins Title Hobbs Production Superintendent Date 12-18-90

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

**ACCEPTED FOR RECORD**  
APR 11 1991

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

NMOCD

**FARMINGTON RESOURCE AREA**  
RY 2-3

THE  
LIBRARY  
OF THE  
MUSEUM OF  
ART AND  
ARCHITECTURE  
OF THE  
UNIVERSITY OF  
CHICAGO

## ATTACHMENT I

### Item 13 continued Casing Repair Procedure

9. Tested csg to 2000 psig. Leaked off to 500 psig in 3 min. RU & pumped into leak @ 2 BPM @ 1800 psig.
10. Ran GR-CBL-CCL from 1372'-300' w/1000 psig.
11. RIH w/5 1/2" fullbore pkr to 1144'. Set & tested RBP to 2000 psig. Held OK. Released pkr & reset @ 1014'.
12. RU cementers. Place 500 psig on backside. Pumped 50 sx Class "B" w/fluid loss add. & 20 sx Class "B" Neat. Squeeze unsuccessful. Pumped 80 sx Class "C" containing 27%  $\text{CaCl}_2$ . Squeeze unsuccessful. Displaced tbg & csg w/10 bbl water.
13. Reset pkr @ 950' KB.
14. RU cementers. Placed 500 psig on backside. Pumped 60 sx Class "B" cmt containing 6.5#/sk Gilsonite & 2%  $\text{CaCl}_2$ . Press. squeeze to 2000 psig. Squeeze successful. Reversed cmt from tbg. POOH w/tbg & pkr.
15. RIH w/4 3/4" bit & (6) 3 1/8" DC's on 2 3/8" tbg. Tagged cmt @ 955' KB. DO cmt. RIH & tagged sand on RBP. Tested squeeze to 1200 psig. Held OK.
16. (End of squeeze procedure)