

|                        |   |
|------------------------|---|
| NO. OF COPIES RECEIVED | 3 |
| DISTRIBUTION           |   |
| SANTA FE               | 1 |
| FILE                   | 1 |
| U.S.G.S.               |   |
| LAND OFFICE            |   |
| OPERATOR               | 1 |

**RECEIVED**  
NEW MEXICO OIL CONSERVATION COMMISSION

MAY - 5 1978

**O. C. C.**  
**ARTESIA, OFFICE**

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR APPLICATIONS TO DRILL OR TO RE-ENTER A WELL IN A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL OR RE-ENTER A WELL FOR SUCH PURPOSES.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator  
Atlantic Richfield Company

3. Address of Operator  
P. O. Box 1710, Hobbs, New Mexico 88240

4. Location of Well  
UNIT LETTER F 2630 FEET FROM THE North LINE AND 1930 FEET FROM  
THE West LINE, SECTION 6 TOWNSHIP 18S RANGE 28E NMPM.

5. Elevation (Show whether DF, RT, CR, etc.)  
3644.3' GR

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. State Oil & Gas Lease No.

7. Unit Agreement Name  
Empire Abo Pressure Maintenance Project

8. Form of Lease Name  
Empire Abo Unit "J"

9. Well No.  
223

10. Field and Pool, or Wildcat  
Empire Abo

12. County  
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

|                                                |                                           |                                                                         |                                               |
|------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------|
| <b>NOTICE OF INTENTION TO:</b>                 |                                           | <b>SUBSEQUENT REPORT OF:</b>                                            |                                               |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                                  | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>             | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/> Surface |                                               |

17. 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.

Spudded 11" hole @ 8:45 AM 4/22/78. Finished drlg to 585' @ 6:30 PM 4/22/78. RIH w/8-5/8" OD 24# K-55 csg, set @ 585'. Cmt'd 8-5/8" OD csg w/175 sx Cl C cmt cont'g 4% gel, 6#/sk salt, 2% CaCl, 1/4#/sk flocele, followed by 125 sx Cl C cmt cont'g 6#/sk salt & 2% CaCl. Circ 63 sx cmt to pit. Bmp'd plug @ 1:15 AM 4/23/78. WOC 15 hrs. Press tested csg to 1000# 30 mins OK. The following compressive strength criterion is furnished for cmtg in accordance w/Option 2 of the OCC Rules & Regulations.

- The volume of cmt slurry was 296 cu ft of Cl C cmt cont'g 4% gel, 6#/sk salt, 2% CaCl, 1/4#/sk flocele, followed by 165 cu ft Cl C cont'g 6#/sk salt & 2% CaCl. Circ 106 cu ft cmt to pit.
- Approx temperature of cmt slurry when mixed was 74°F.
- Estimated minimum formation temperature in zone of interest was 66°F.
- Estimate of cmt strength at time of csg test was 1200 psig.
- Actual time cement in place prior to starting test was 15 hrs. Drlg new formation @ 4:30 PM 4/23/78.

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

SIGNED W. A. Gressett TITLE Dist. Drlg. Supt. DATE 5/4/78

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 8 1978

CONDITIONS OF APPROVAL, IF ANY: