

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

|                        |   |
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FEB 28 1979

|                                           |                              |
|-------------------------------------------|------------------------------|
| 5a. Indicate Type of Lease                |                              |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |
| 647-364                                   |                              |

O. C. C.

SUNDRY NOTICES AND REPORTS ON WELLS, SANTA FE, OFFICE.  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - 1" (FORM C-101) FOR SUCH PROPOSALS.)

|                                                                                                                                             |                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                            | 7. Unit Agreement Name<br>Empire Abo Pressure Maintenance Project |
| 2. Name of Operator<br>Atlantic Richfield Company                                                                                           | 8. Farm or Lease Name<br>Empire Abo Unit "F"                      |
| 3. Address of Operator<br>Box 1710, Hobbs, New Mexico 88240                                                                                 | 9. Well No.<br>335                                                |
| 4. Location of Well<br>UNIT LETTER E 2250 FEET FROM THE North LINE AND 570 FEET FROM THE West LINE, SECTION 34 TOWNSHIP 17S RANGE 28E NMPM. | 10. Field and Pool, or Wildcat<br>Empire Abo                      |
| 15. Elevation (Show whether DF, RT, GR, etc.)<br>3664.3' GR                                                                                 | 12. County<br>Eddy                                                |

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

|                                                |                                           |                                                                              |                                               |
|------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|
| 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 type="checkbox"/>                             | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> Production    |                                               |
|                                                |                                           | OTHER Log, Perforate, Acidize & Complete <input checked="" type="checkbox"/> |                                               |

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.

Fin drlg 7-7/8" hole to 6350' TD @ 9:30 AM 2/10/79. Ran CPL, DLL-MFL, CN-FD logs. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6350'. FC @ 6306', DV tool @ 3029'. Cmt'd 1st stage w/400 sx Dowlite, 5# 100 mesh, 10# 20/40 sd & 200 sx RFC. PD @ 4:00 PM 2/11/79. Circ 80 sx cmt to pit. Cmt'd 2nd stage w/800 sx Dowlite cmt cont'g 8# salt/sk followed by 100 sx C1 C cmt cont'g 8# salt/sk. PD @ 8:30 PM 2/11/79. Circ 100 sx cmt to pit. WOC. Drld out SC collar @ 3029', ran bit to FC @ 6306'. Pressure tstd csg to 1500# 30 mins OK. Ran CBL, OK. Perf'd Abo 6210-6230' w/2 JSPF. RIH w/2-3/8" OD tbhg OE @ 6094'. Mod R dbl grip pkr @ 6088'. SN @ 6087'. Acidized perms 6210-6230' w/150 gals 15% HCL-LSTNE-FE, 1000 gal gel CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNE-FE. Swbd back load & tested. In 18 hrs flwd 135 BO, 0 BW & 106 MCFG, 100# FTP on 48/64" ck. On 24 hr potential test 2/21/79 flwd 235 BO, 0 BW & 172 MCFG, 48/64" ck, FTP 90#, GOR 732:1. Final Report.

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 2/26/79

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE FEB 28 1979

CONDITIONS OF APPROVAL, IF ANY: