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# NEW MEXICO OIL CONSERVATION COMMISSION

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

FEB 12 1979

O. C. C.

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
647	
7. Unit Agreement Name	
Empire Abo Pressure Maintenance Project	
8. Farm or Lease Name	
Empire Abo Unit "H"	
9. Well No.	
322	
10. Field and Pool, or Wildcat	
Empire Abo	
12. County	
Eddy	

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

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 P, 750 FEET FROM THE South LINE AND 1150 FEET FROM THE East LINE, SECTION 33 TOWNSHIP 17S RANGE 28E NMPM.  
15. Elevation (Show whether DF, RT, GR, etc.)  
3662.4' GR

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"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/> Production OTHER Log, Perf, Squeeze Cmt, 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 6248' @ 12:00 PM 4/11/78. Ran DLL & GR-N. Deepened 7-7/8" hole to 6290' @ 6:30 AM 4/12/78. Ran DLL w/RXO, GR-N, GR-CNL-FDC w/caliper, Sonic-VDL logs. RIH w/5 1/2" OD 15.5# K-55 csg, pkr shoe, FC & SC. Pkr shoe set @ 6262', FC @ 6216', SC @ 3009'. 5 1/2" csg set @ 6262'. Cmt'd 5 1/2" csg in 2 stages. 1st stage cmt'd w/100 bbls 2% KCL w/Mor-Flo II, 475 sx RFC Thik-set. PD @ 4:45 PM 4/14/78. Op SC tool, circ 4 hrs & cmt'd 2nd stage thru SC w/50 BFW, 700 sx Dowell Lite wt cmt cont'g 8# salt/sk followed by 100 sx Cl C cont'g 8# salt/sk. Emp'd plug & closed SC w/3500# @ 10:45 PM 4/14/78. Circ 75 sx cmt to pit. WOC. RIH w/bit, drld SC @ 3009', FC @ 6216', cmt to pkr shoe @ 6262', drld out pkr shoe, circ hole clean to 6290' TD. POH w/bit. RIH w/SN, 1 jt 2-3/8" OD EUE tbg, 5 1/2" Lok-set pkr on 2-3/8" OD EUE tbg, set pkr @ 6211', SN @ 6246'. Swbd Abo OH 6262-6290', rec 24 BLW, no oil, no gas. Swbd dry. Acidized OH interval 6262-6290' w/1000 gals 15% HCL-NE w/FE seq. Swbd 4 hrs, rec 0 BO, 40 BLW, some gas. Last swab run rec 5% oil. Acidized Abo OH 6262-6295' w/3000 gals 15% HCL-NE FE. Max 0#, min 0#, swbd 5 hrs, rec 96 BLW, 4 BFW, tr oil. Rel pkr, POH w/pkr & tbg. Set cmt retr @ 6250'. Sqzd Abo OH 6262-95' w/100 sx Cl C cont'g 6/10 of 1% HA 9 followed by 75 sx Cl C w/2% CaCl, sqzd to 3500#, rev out 45 sx cmt to pit, displaced hole w/2% KCL wtr cont'g 5 gal/100 bbl C-198, spotted 20% acetic acid, reset tbg to 6140', Rev out excess acetic acid. Perf'd Abo 6214-6230' w/2 JSPF. RIH w/Lok-set pkr on 2-3/8" tbg, set pkr @ 6108'. Acidized Abo perfs 6214-30' w/300 gals 15% HCL, 500 gals CaCl wtr, 500 gals LC, 2000 gals 60/40 acid/Xylene, flushed w/23 BLC. Swbd 10 hrs, rec 21 BLO & 54 BLW. Acidized Abo perfs 6214-6230' w/1000 gals 10# (Continued pg 2)

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

SIGNED <u>W. A. Gressett</u>	TITLE _____	DATE _____
APPROVED BY <u>W. A. Gressett</u>	TITLE <u>SUPERVISOR, DISTRICT II</u>	DATE <u>FEB 14 1979</u>
CONDITIONS OF APPROVAL, IF ANY:		

Empire Abo Unit "H" 322  
Form C-103 (Continued)  
Page 2

CaCl wtr followed by 4000 gals 15% HCL-NE-FE acid, flushed w/24 bbls 2% KCL wtr. Swbd Abo 6 hrs, rec 96 BLW, no gas, no oil. Swbd 8-1/2 hrs, rec 2 BNO, 80 BLW, 36 hr. SITP 320#. Rel pkr, POH w/tbg & pkr. RIH w/CIBP, set BP @ ~~6150~~<sup>6178</sup>'. Spotted 20% acetic acid. Perfd Abo 6150-6160' w/2 JSPF (20-.46" holes). RIH w/pkr, set pkr @ 6023'. Ran GR-Temp Base log. Acidized Abo perfs 6150-6160' w/4000 gals 15% HCL-LSTNE acid contg RA mat'l, flushed w/18 BO. Ran GR-Temp Base log. Swbd 1-1/2 hrs, rec 18 BO, 12 BLW. Opened to test tank, no flow, swbd 9-1/2 hrs, rec 42 BO, 124 BW. POH w/pkr & tbg. RIH w/2-3/8" OD EUE tbg, SN, set tbg btm @ 6085'. On 24 hr potential test 2/5/79, pmpd 9 BO, 18 BW, 2 MCFG on 8-64" SPM, GOR 222:1. Final Report.