

OIL CONSERVATION DIVISION  
P. O. BOX 200  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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APR -2 1979

O. C. C.

ARTESIA, OFFICE

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
E-5313

7. Unit Agreement Name  
Empire Abo Pressure Maintenance Project

8. Farm or Lease Name  
Empire Abo Unit "L"

9. Well No.  
13

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.)

OIL WELL  GAS WELL  OTHER

1. Name of Operator  
Atlantic Richfield Company

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

3. Location of Well  
UNIT LETTER M 660 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 2 TOWNSHIP 18S RANGE 27E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)  
3719' GL

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"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER <input type="checkbox"/>		OTHER <u>Squeeze &amp; Comp Lower in Same Zone</u> <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) SEC RULE 1103.

Rigged up on 2-12-79 killed well, installed BOP, POH w/comp assy. RIH w/SVEZ drill retr set @ 5832', pump 400 bbls wtr frac 40 & 10# I-84 followed by 200 bbls wtr frac 40 & 10# J-84 @ 1 BPM @ 75#, incr to 600#. Squeezed perms 5862-5918' w/150 sx Cl C w/1.5% D-60 & 75 sx Cl C, 2% CaCl. Squeezed to 1500#. RO 10 sx cmt. WOC. Drld out retr @ 5832'. Drld cmt out to TD 6068'. Pres tested squeeze perms to 1500# for 30 mins. OK. Ran CBL 6068-2500' TOC. Perf'd lower in Abo 5958-5968' w/2 JSPF (20 holes). RIH w/dbl grip pkr on 2-3/8" OD tbg. Acidized w/150 gals 15% HCL-ISTNE-FE acid, communicated w/squeezed perms 5862-5918'. Pmpd 25 sx crushed limestone into perms 5958-5968'. Reset pkr @ 5926'. Pmpd 25 sx crushed limestone in perms 5958-68' followed by 10 sx Oyster shells, squeeze perms w/1000#. RIH w/BP set @ 5927'. RIH w/retr, set @ 5832'. Squeeze perms 5862-5918' w/100 sx Cl C, 6/10 of 1% Halad-9 & 50 sx Cl C, 2% CaCl. Squeeze to 1000#. RO 51 sx cmt to pit. WOC. Drill out retr @ 5832', 15' cmt. Press tested perms @ 5862-5918' to 1500# for 30 mins OK. Drill out BP @ 5927', clean out to 6065' PBDT. RIH w/pkr on 2-3/8" OD tbg, set pkr @ 5932', acidized perms 5958-5968' w/500 gals 15% HCL-ISTNE-FE, flushed with lease crede. 15 hr SITP 0#. Swabbed perms 5958-5968' 8 hrs, rec 23-1/2 BLO, 13-1/2 BNO. 12 BLW & 36 BFW, good blow of gas. Acidized perms 5958-68' w/500 gal 15% HCL-ISTNE-FE flushed w/lease crude. In 24 hrs flwd 142 BO, 0 BW, 556 MCFG, FTP 170#, 34/64" ck, GOR 3915:1. On 24 hr potential test 3-22-79 flwd 86 BO, 0 BW, 672 MCFG, 170# FTP, 40/64" ck, GOR 7814:1. 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 3-29-79

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE APR 3 - 1979

CONDITIONS OF APPROVAL, IF ANY: