

OIL CONSERVATION DIVISION

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

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JAN 10 1984

O. C. D.  
ARTESIA, OFFICE

Form C-103  
Revised 10-1-78

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OPERATOR	<input checked="" type="checkbox"/>

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	647-349, 647-351	

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company ✓ 3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240 4. Location of Well UNIT LETTER J, 2511 FEET FROM THE East LINE AND 1550 FEET FROM THE South LINE, SECTION 33 TOWNSHIP 17S RANGE 28E NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 3661.0' GR	7. Unit Agreement Name Empire Abo Pressure Maintenance Project 8. Farm or Lease Name Empire Abo Unit "G" 9. Well No. 312 10. Field and Pool, or Wildcat Empire Abo 12. County Eddy
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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 JOBS <input type="checkbox"/>	
OTHER Kick off thru casing, drill horizontal drain hole - same zone <input checked="" type="checkbox"/>		OTHER <input 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.

Propose to cut csg section 6121-24' & drill horizontal drainhole to a projected 200' north westerl direction in order to recover additional oil reserves and reduce gas coning in accordance w/the provisions of Rule 14-B of the special Rules and Regulations for the Empire Abo Pressure Main-tenance Project.

1. RU, kill well, install BOP & POH w/compl assy.
2. Set BP @ 6125', spot sd on plug. Set pkr @ 6000', test csg to 1000#, establish inj rate into Abo perfs 6074-6088'. Cmt squeeze perfs 6074-6088' w/C1 H Neat cmt cont'g 2% CaCl<sub>2</sub>. WOC. DO cmt & press test squeeze job. POH w/RBP.
3. Set pkr @ 6100' & establish inj into perfs 6190-6210', release pkr, spot 50/50 acid xylene mixture across perfs. Re-set pkr & break down perfs. Cmt squeeze perfs 6190-6210' w/C1 H Neat cmt cont'g 2% CaCl<sub>2</sub>. WOC. DO cmt & press test squeeze job.
4. RIH w/5½" Mod DW-1 whipstock anchor pkr w/key locator & set @ 6229'. Set orientation of key locator to drill direction N-70°-W. RIH w/whipstock assy & land in pkr w/whipstock zenith @ 6221'. Shear lug on whipstock. Displ hole w/EP mud system.
5. Cut section in 5½" csg 6121-24', drill 4-3/4" hole to 6261' w/angle of hole 20°/ft, run Gyro survey. RIH w/pkr & set above whipstock. Displ DP w/2% KCL wtr, spot 500 gals acid (7.5 HCL & 7.5% xylene) in open hole & acidize w/1000 gals of acid. Treat OH w/4000 gals Injectrol G. POH w/pkr. Drill horizontal drain hole 200', run multi-shot surveys.  
(cont'd on back of page)

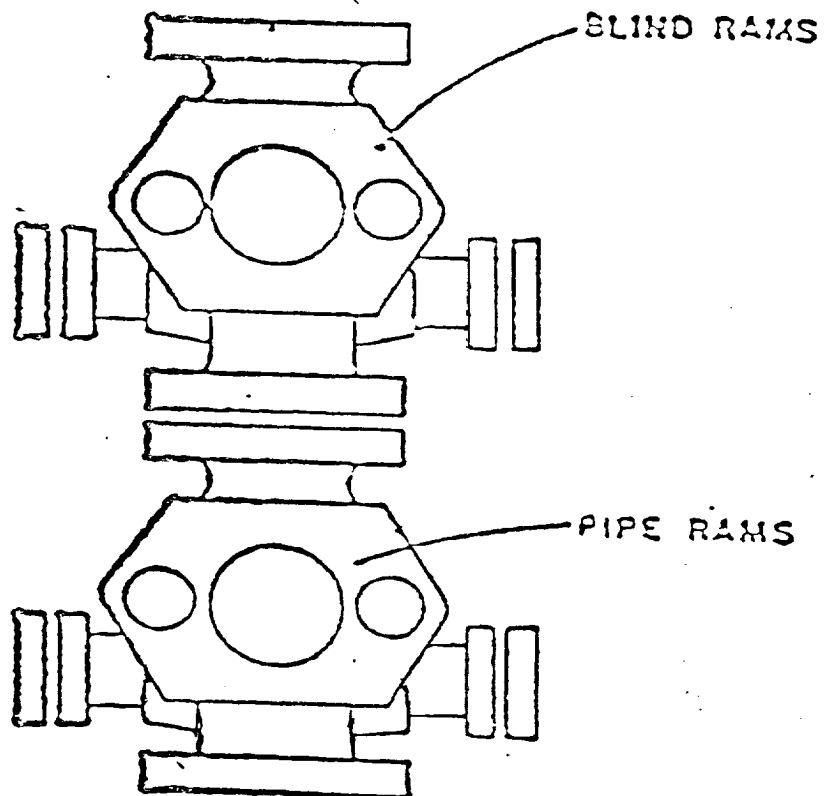
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Robert E. Roberts TITLE Drlg. Engr. DATE 1/04/84

APPROVED BY \_\_\_\_\_ TITLE Original Signed By  
Leslie A. Clements  
Supervisor District 11 DATE JAN 17 1984

CONDITIONS OF APPROVAL, IF ANY:

6. When drlg completed, disp: mud system w/2% KCL wtr, spot 2% KCL wtr w/3% ARCO F-651 in drain hole.
7. RIH w/prod pkr & 2-3/8" tbg, set pkr @ 6210' & swab test. Acidize if necessary, return to production.



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

**Blow Out Preventer Program**

**Lease Name** Empire Abo Unit "G"

**Well No.** 312

**Location** 2511' FEL & 1550' FSL  
Sec 33-17S-28E, Eddy County

BOP to be tested when installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.