

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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P. O. BOX 2088  
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APR 12 1984

O. C. D.

Form C-103  
Revised 10-1-78

3a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
647-349, 647-351	
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	

SUNDRY NOTICES AND REPORTS OF OPERATIONS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR TO MOVE 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 <input type="checkbox"/>
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

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐  
OTHER ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐  
OTHER ☐

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER Kick off thru csg, Drill Horizontal ☒  
Drainhole, same zone

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐  
OTHER ☒

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.

RU 2/13/84, killed well, installed BOP & POH w/compl assy. Ran bit to 6262' PBD. Set RBP @ 6164'. Dumped 2 sx sd on top of BP. Set pkr @ 6125'. Press csg to 1500#, press dropped to 0# in 1 min. Reset BP @ 5990' & tested csg 0-5990' to 1000#, OK. Reset BP @ 6164' & spot 3 sx sd on top. Top of sd @ 6152'. Set pkr @ 5845'. Est inj rate into perfs 6074-6088' @ 1/2 BPM @ 2000# Cmt squeezed Abo perfs 6074-6088' w/100 sx Cl H Neat w/.6 of 1% Halad-9. Squeeze press 4000#. POH w/pkr. RIH w/bit, drld cmt & stringers to 6100', lowered bit to 6140' & circ hole clean. Press tested csg 0-6164' to 1000# for 30 mins, OK. Washed sd off BP & rec BP @ 6164'. RIH w/pkr, tagged fill @ 6239' & set pkr @ 6003'. Est inj rate into perfs 6190-6210' w/150 sx Cl H cont'g .6 of 1% Halad-9 followed by 125 sx Cl H Neat cmt. RO 14 bbls cmt. DO cmt to 6220' & CO sd to 6262'. Press tested csg to 1000# for 30 mins OK. Set Baker DW-1 44-26 whipstock pkr anchor @ 6238'. RIH w/2-7/8" DP OE w/sub. Ran multi-shot gyro 0-6235'. Tool face in whipstock @ N64E. Set Baker 40-26 W-2 whipstock anchor & Christensen 2 deg/ft whipstock w/4-13/16" starting mill. Whipstock oriented N70W. Latched into DW-1 whipstock anchor pkr @ 6238', sheared off whipstock w/7000# overpull. Top whipstock @ 6231'. Milled csg window 6231-6234'. Start of STH @ 6231', zenith of whipstock. Commenced drlg STH @ 8:00 AM 3/9/84. Fin drlg to 6271' @ 4:00 PM 3/9/84. POH w/bit. Ran multi-shot magnetic survey 6235-6268'. Btm survey @ 6268', 71°S80W. Ran bit & drld 6271-6285' TD. POH w/bit. Ran multi-shot magnetic survey. Survey @ 6274' 69 1/2°S52W. RIH w/pkr, displ hole w/2% KCL wtr, set pkr @ 6222'. SION. POH w/pkr. RIH w/bit & displ mud out of drainhole. RIH w/pkr, set @ 6223', SN @ 6215'. (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 Leslie A. Clements

TITLE Drlg. Engr.

DATE 4/10/84

Original Signed By  
Leslie A. Clements

APR 12 1984

APPROVED BY \_\_\_\_\_

TITLE Supervisor District II

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

In 7 hrs swbd Abo drainhole 6231-6285', rec 21 BW. Pmpd 250 gals acid into drainhole 6231-6285'. Tbg/csg annulus comm. POH w/pkr. Ran pkr & set @ 6216'. Acidized OH 6231-6285' w/1500 gals 50/50 xylene, 15% FE-LSTNE HCL acid, tbg & csg communicated w/ 4 BA in fm. Reset pkr @ 6162'. SITP, vac. Swbd 9½ hrs, rec 20 BO, 40 BW. 3/23/84 SITP 150#. POH w/pkr. RIH w/compl assy. Ran pump & rods, SN @ 6185', BPMA @ 6220'. On 3/31/84, 17 hrs pmpd 4 BO, 90 BW, 13 MCFG. On 24 hr potential test 4/8/84 pmpd 26 BO, 3 BW, 48 MCFG. Prod prior: 4 BO, 9 BW, 120 MCFG. Final Report.