

N. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	/
FILE	/
U.S.G.S.	/
LAND OFFICE	/
OPERATOR	/

NEW MEXICO OIL CONSERVATION COMMISSION

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

RECEIVED

APR 30 1979

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-368	647-320
647-363	
7. Unit Agreement Name	
Empire Abo Pressure Maintenance Project	
8. Farm or Lease Name	
Empire Abo Unit "E"	
9. Well No.	
395	
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 DEPTH. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator **ARCO Oil and Gas Company** ✓
Division of Atlantic Richfield Company

3. Address of Operator
Box 1710, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER B 75 FEET FROM THE North LINE AND 1820 FEET FROM THE East LINE, SECTION 35 TOWNSHIP 17S RANGE 28E N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)
3676.2' GR

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	COMMENCE DRILLING OPNS. ☐
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOB ☒ Prod Csg
OTHER ☐	OTHER <u>Log, Perf, Acidize, Squeeze Cmt &</u> ☒ Complete

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.

On 3/20/79 encountered water flow 3570-4135' ARO 8 BPH. Reached 6350' TD @ 12:30 AM 3/27/79. Ran DLL w/RXO, CNL, FDC logs. DST #1 Abo 6011-6036'. On closed chamber flow tested gas ARO 926 MCFD. DST #2 6081-6106' Abo. Closed chamber gas flow tested gas ARO 1170 MCFD. POH w/test tools. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6299'. FC set @ 6255', DV tool @ 3003'. Cmt'd 5-1/2" csg 1st stage w/450 sx Lite wt cmt cont'g 2% CaCl & 200 sx Sure-fill cmt. PD @ 3:00 PM 3/29/79, MP 2000#. Circ 100 sx cmt to pit. Cmt'd 2nd stage thru DV tool @ 3003' w/700 sx Sure-fill cmt & 100 sx Cl C cmt cont'g 2% CaCl. PD @ 7:30 PM 3/29/79 w/2200#. Circ 90 sx cmt to pit. Cmt circ to surf. WOC 72 hrs. RIH w/bit, drld DV tool @ 3003', ran bit to 6253'. Press tested csg to 1575# 30 mins OK. Ran CBL, OK. Perf'd 5-1/2" OD csg 6200-6215' w/2 JSPF. RIH w/dbl grip pkr on 2-3/8" tbg, set pkr @ 6071', SN @ 6070'. Trtd perfs 6200-6215' w/150 gals 15% HCL-LSTNE acid, 1000 gal 10# CaCl wtr, 1000 gal gelled LC, 1500 gal 15% acid, flushed w/24 BLC. In 5 hrs swbd 18 BO & 57 BW. 14 hr SITP 0#. POH w/pkr. RIH w/cmt retr, set @ 6185'. Squeezed perfs 6200-6215' w/150 sx Low wtr loss cmt & 75 sx Cl C cmt cont'g 2% CaCl. RO 117 sx cmt. Perf Abo 6144-6154' w/2 JSPF. RIH w/dbl grip pkr, set @ 6056', SN @ 6049'. In 4 hrs swbd 83 BW, no oil, small show gas. RIH w/cmt retr, set @ 6134'. Squeezed perfs 6144-54' w/100 sx LWL cmt & 75 sx Cl C cmt cont'g 2% CaCl. RO 76 sx cmt. Perf'd Abo 6112-6120' w/2 JSPF. RIH w/dbl grip pkr on 2-3/8" OD tbg, set OE @ 5996', pkr set @ 5989'. In 3 hrs swbd 2 BO & 42 BW. Well kicked off flwg 21 BO, 6 BW in 2 hrs on 2" ck. TP 25#. On 24 hr potential test 4/24/79 flwd 150 BO, 0 BW & 135 MCFG, 100# FTP, 48/64" ck, GOR 900:1. Final Report.

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

SIGNED L. Roy Lane TITLE Dist. Drlg. Supt. DATE 4/26/79

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE APR 30 1979

CONDITIONS OF APPROVAL, IF ANY: