

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

5a. Indicate Type of Lease	
State ☒	For ☐
5. State Oil & Gas Lease No.	
647	

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 ☐	7. Unit Agreement Name Empire Abo Pressure Maintenance Project
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company	8. Farm or Lease Name Empire Abo Unit "H"
3. Address of Operator Box 1710, Hobbs, New Mexico 88240	9. Well No. 291
4. Location of Well UNIT LETTER M 200 FEET FROM THE South LINE AND 50 FEET FROM West THE LINE, SECTION 33 TOWNSHIP 17S RANGE 28E NMPM.	10. Field and Pool, or Whdecat EmpireAbo
15. Elevation (Show whether DF, RT, GR, etc.) 3661.3' GR	12. County Eddy

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	
		OTHER Squeeze Upper Perfs, Open Existing ☒ Lower perfs & Acidize	

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 7/18/79. Inst BOP, POH w/compl assy. RIH w/pkr, set @ 5912'. Squeezed perfs 6152-76' w/75 sx LWL cmt & 25 sx Cl C, 2% CaCl. MP 1400#. WOC. DO cmt 6030-6180'. Press tested csg to 1500# 30 mins. Leaking. Tagged BP @ 6200'. RIH w/pkr, set pkr @ 5912'. Pmpd 25 sx LWL cmt, squeezed w/3600# FP. WOC. Drld cmt 5948-6180'. Press tested squeeze job to 1500# 30 mins OK. Drld CIBP @ 6200', cmt 6230-6250'. CO to 6304'. Perf'd 6230-47' w/2 JSPF. RIH w/Lok-set pkr, set @ 6156'. Spotted 150 gals acid to 6050'. Treated perfs 6230-47' w/1000 gals gelled CaCl wtr, 1000 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE, 1000 gals LC flush. RIH w/BP, set BP @ 6208'. Set pkr @ 6088', established inj rate. Spot 2 sx sd on BP. POH w/pkr. RIH w/cmt retr, set retr @ 6088'. Squeezed perfs 6152-76' w/50sx LWL cmt & 25 sx Cl C cmt w/2% CaCl. RO 24 sx. WOC. DO rubber, retr & cmt. Rec BP @ 6208'. CO to 6200'. Press tested csg to 1500# 30 mins OK. RIH w/pkr, set pkr @ 6184'. Acidized perfs w/1000 gals CL₂ gelled, 500 gals LC, lower pkr to 6196'. Tstd csg, no press. RIH w/pkr & RBP, set BP @ 6210' w/2 sx sd on top. Set pkr @ 6100', established inj rate. POH w/pkr. Set retr @ 6094' & cmt squeezed 6152-76' w/75 sx LWL cmt & 25 sx Cl C cmt w/2% CaCl. RO 10 sx. WOC. Drld retr & cmt. Press tested squeeze job to 1500# 30 mins OK. Circ sd off BP. Drld cmt 6228-6254'. Press tested to 1500# 30 mins OK. Perf'd 6230-47'. Acidized w/150 gals 15% acid, 20 BLC. MP 1500#. In 7 hrs swbd 12 BO & 14 BW. TP 200#. POH w/pkr & tbg. Ran tbg w/SN @ 6146'. Put on pump. On 24 hr potential test 9/9/79 pmpd 1 BO, 37 BW & 7 MCFG on 13-54" spm. GOR 7000:1. 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 10/1/79

APPROVED BY W. A. Gressitt TITLE SUPERVISOR, DISTRICT II DATE OCT 4 1979

CONDITIONS OF APPROVAL, IF ANY: