

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-73

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OCT 12 1979

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No. E-3635	

SUNDRY NOTICES AND REPORTS ON WELLS **O. C. C.**
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company	8. Farm or Lease Name Empire Abo Unit "S"
3. Address of Operator Box 1710, Hobbs, New Mexico 88240	9. Well No. 7
4. Location of Well UNIT LETTER <u>J</u> <u>2304</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>18S</u> RANGE <u>27E</u> NMPM.	10. Field and Pool, or Wildcat Empire Abo
11. Elevation (Show whether DF, RT, GR, etc.) 3444' GR	12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

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

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER Squeeze cmt, Perf Abo & Treat ☒
ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

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 8/23/79, killed well, installed BOP & POH w/tbg. Retrieved BP @ 5868'. RIH w/Pengo retri, set retri @ 5864'. Cmtd thru retri w/200 sx cmt, RO 100 sx. Perfs 5887-92', 5896-5902', 5906-12', 5917-22' squeeze cmt. RIH w/Pengo retri, set retri @ 5646'. Cmtd thru retri w/250 sx C1 C w/.6% Halad-9, 150 sx C1 C w/2% CaCl. Max squeeze press 3200#. RO 1 sk cmt. Perfs 5711-16', 5747-52', 5756-62', 5774-84', 5842-50' squeeze cmt. Drld out cmt & cmt retrs to 5864'. CO hole. Press tested csg & squeeze job to 1500# 30 mins OK. Ran CBL 5864-surf. TOC indicated @ 2300' FS. Perf'd @ 2275' w/2 JSPF = 2'. RIH w/cmt retri, set retri @ 2200'. Pmpd thru perfs @ 2275' w/350 sx Hal Light followed by 100 sx C1 C cmt w/2% CaCl. Circ cmt to surf. WOC. DO cmt & retrs. CO hole. Press tested squeeze job to 1500# 30 mins OK. Perf'd Abo 5810-20' w/2 JSPF. RIH w/pkr, set pkr @ 5790'. Acidized perfs 5810-20' w/150 gals 15% HCL-LSTNE-FE, 1000 gals 10# CaCl wtr, 1000 gals gelled LC, 2000 gals 60/40 15% HCL-LSTNE-FE/xylene. Flushed w/1000 gals LC. Swbd 4 hrs, rec 2 BLO, 38 BFW. POH w/pkr & tbg. RIH w/cmt retri, set retri @ 5793'. Cmt squeezed Abo perfs 5810-20' w/75 sx C1 C w/.6% Halad-9 followed by 50 sx C1 C cmt w/2% CaCl. RO 28 sx. RO cmt to 5770'. WOC. Press tested csg to 1500# 30 mins OK. Perf'd Abo 5756-62' w/2 JSPF - 12 .49" holes. RIH w/pkr, set @ 5762'. Acidized perfs 5756-62' w/80 gals 15% HCL-LSTNE-FE acid. Reset pkr @ 5731' & rev out excess acid. Pmpd 650 gals 15% HCL-LSTNE-FE acid, 1000 gals 10# CaCl wtr, 1000 gals gel LC, 1500 gals 15% HCL-LSTNE-FE acid, flushed w/23 BLC. Swbd back to clean up. Swbd 1 hr, rec 18 BFW. POH w/pkr & tbg. RIH w/cmt retri, set retri @ 5740'. Squeeze cmtd perfs 5756-62' w/100 sx C1 C cmt (cont'd on back)

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 10/10/79

APPROVED BY [Signature]

SUPERVISOR, DISTRICT II

OCT 15 1979

CONDITIONS OF APPROVAL, IF ANY:

w/6/10 of 1% Hal-9 followed by 50 sx Cl C cmt w/2% CaCl. Squeeze press 2800#. RO 36 sx cmt. WOC. Press tested squeeze job to 1000# for 30 mins OK. Perf'd Abo 5708-16' w/2 JSPF - 16 .49" holes. Set pkr @ 5585'. Acidized Abo perfs 5708-16' w/150 gals 15% HCL-LSTNE-FE acid, 1000 gals 10# gel CaCl wtr, 1000 gals gel LC, 1500 gals 60/40 15% HCL-LSTNE-FE acid/xylene. Flushed w/LC. Swbd 9 hrs, rec 48 BLO, 102 BNO, 0 BLW. POH w/pkr. Perf'd Abo 5646-56' w/2 JSPF = 20 .39"holes. RIH w/pkr, set @ 5504'. Acidized perfs 5646-56' w/300 gals 15% HCL-LSTNE-FE acid, 500 gals gel CaCl wtr, 500 gals gel LC, 2000 gals 15% LST-FE acid/xylene, flushed w/24 BO. Rec 4 BLO, 0 BLW in 1 swab run. Acidized perfs 5646-56' w/3000 gals 15% HCL-LSTNE-FE acid, 1000 gal LC. Rec 24 BLO, 4 BLW in 5 hrs swbg. Shut well in 10/4/79. TP 0#. Final Report.