

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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

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 - 1" (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 Co.	8. Farm or Lease Name W. H. Harrison "D" WN
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240	9. Well No. 7
4. Location of Well UNIT LETTER <u>K</u> <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>29</u> TOWNSHIP <u>24S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat Langlie Mattix 7R Qn
11. Elevation (Show whether DF, RT, GR, etc.) 3251.8' GR	12. County Lea

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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☒
OTHER Log, Perforate, acidize & Comp. ☒
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.

Fin drlg 7-7/8" hole to 3756' @ 5:10 AM on 5/01/81. Ran CNL-FDC w/Caliper DLL-RXO. RIH w/ 5 1/2" OD 15.5# K-55 csg, set @ 3756'. FC set @ 3706'. Cmdt w/750 sx Lite cmt cont'g 15#/sx salt, 1/2#/sx celloflakes followed by 250 sx 50/50 Poz cont'g 3#/sx salt. Circ 73 sx cmt to pit. PD @ 9:30 AM, 5/02/81. WOC. On 5/11/81 drld to 3704' PBD. Ran CBL, OK. Perf'd 5 1/2" csg 3654-3687' w/5-.50" holes. RIH w/pkr, set @ 3543'. Swbd tbg dry. POH w/pkr. Press tstd tbg & pkr in hole, set pkr @ 3543'. Acidized perfs 3654-87' w/1000 gals 15% HCL NE FE acid. Swbd 3 hrs, rec 0 BO, 26 BLW. Swbd 5 1/2 hrs, rec trace of oil, 6 1/2 BLW, small show gas. POH w/pkr. RIH w/RBP, set BP @ 3630', spot 15% HCL acid 3600-3350'. POH w/tbg. Perf'd 7 Rivers Qn 3431-3600' w/15-.50 holes. RIH w/pkr, set pkr @ 3360'. Acidized perfs 3431-3600' w/1500 gals 15% HCL NE FE acid. Swbd & flwd 4 hrs on 48/64" ck, FTP 150#, rec trace of oil & 55 BLW. On 3 hr test flwd 2 BO, 21 BLW on 3/4" ck, FTP 900-75#. Reset pkr @ 3522'. 14 hr SITP 900#, CP 500#. Flwd perfs 3530-3600' thru tbg, rec 5 BW, 5% oil. Open csg valve, no fluid to surf from perfs 3431-3510'. Reset BP @ 3551', pkr @ 3387'. 13 hr SITP 800#, CP 0#. Opened tbg & flwd 1/2 BO, 9 BLW on 1 1/4" ck, FTP 50-0# in 1 1/2 hrs. Reset BP @ 3521', pkr @ 3387'. On 10 hr test flwd 2 BO, 49 BW on 1 1/4" ck. FTP 0-50#. 14 hr SITP 800#. On 1 hr test flwd 0 BO, 8 BW on 1 1/4" ck, FTP 800-25#. Reset BP @ 3465', pkr @ 3387', SITP 800#. In 2 hrs flwd 1 BO, 16 BW on 1 1/4" ck, FTP 0-25#. POH w/BP & pkr. RIH w/pkr, set @ 3613'. 14 hr SITP 1000#, CP 600#. In 5 hrs flwd 30 BW, 1% oil on 1 1/4" ck, FTP 25-0#. Reset pkr @ 3325', Estab inj rate into perfs 3431-3687' @ 3 BPM w/400#. Squeezed perfs 3431-3687' w/400 sx Cl C cmt w/2% CaCl2. MP 700#.

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

SIGNED Jerry W. Schmidt TITLE Dist. Drlg. Supt. DATE 8/10/81

APPROVED BY Jerry Schmitt TITLE DATE DATE 8/10/81
CONDITIONS OF APPROVAL, IF ANY:

no squeeze. Resqueeze per 3431-3687' w/200 sx Cl C cmt & 200 sx Cl C w/2% CaCl_2 , MP 2000#. WOC 4½ hrs. Resqueeze w/300 sx Cl C Cmt w/ 2% CaCl_2 , MP 2200#. Released pkr. Well on vac, no squeeze. Reset pkr @ 3268'. Resqueezed perfs 3431-3687' w/300 sx Cl C cmt w/2% CaCl_2 . MP 2600#, 5 mins 1200#. WOC 21½ hrs. Tbg on vac. POH w/pkr. RIH w/bit, drld & CO cmt to 3690'. POH w/bit. RIH w/full bore cmtr, set pkr @ 3693'. Press tstd csg to 1800# for 30 mins, OK. Set pkr @ 3605', tstd perfs 3613-3687', pmpd in @ 2½ BPM w/1400#. Press tstd perfs 3431-3600' thru tbg/csg annulus to 1800#, small leak. Reset full bore cmtr @ 3387', cmt w/ 300 sx Cl C cmt w/2% CaCl_2 . No cmt squeeze. Pmpd 300 cleared perfs w/5 BW. MP 1600# @ 2 BPM. WOC. Reset pkr @ 3294'. Squeezed perfs 3431-3687' w/300 sx Cl C cmt cont'g 2% CaCl_2 , displ cmt to 3394' w/15½ BW, MP 1600# @ 1½ BPM. WOC 21½ hrs. RIH w/bit, drld & CO cmt to 3707'. Press tstd squeeze job to 800#, no squeeze. RIH w/pkr, found leak 3431-3512'. Set full bore cmtr @ 3387', squeeze interval 3431-3512' w/300 sx Cl C cmt cont'g 2% CaCl_2 , displ cmt w/26 BW, cleared w/5 BW. WOC 4 hrs. Squeezed interval 3431-3512' w/300 sx Cl C cmt cont'g 2% CaCl_2 , displ cmt w/26 BW, cleared w/5 BW. Reset pkr @ 3294'. Squeeze cmt w/300 sx Cl C cmt w/2% CaCl_2 , displ cmt to 3394' w/15½ BW. WOC. Drld out cmt & CO to 3704' PBD. Press tstd squeeze job to 1500# for 30 mins, OK. Perf'd 5½" csg w/1 JSPF @ 3654, 3660', 3670, 3680, 3687'. RIH w/pkr, set @ 3617'. Acidized perfs 3654-3687' w/1000 gals of 15% HCL NE acid. In 4 hrs swbd 43 BW, 2% oil, good show gas. Frac'd perfs 3654-3687' w/10,000 gals Mimi-max 111-30 & 15,000# sd, screened sd. MP 3600#, min press 1800#, FP 5000#. POH w/pkr, CO frac sd. RIH w/tbg & pkr. Set @ 3630'. In 2 hrs swbd 4 BW, 1% oil. POH w/pkr & tbg. RIH w/RBP, set BP @ 3540'. Perf'd 5½" csg @ 3431', 39, 43, 58, 72, 90, 3504, 3510' w/1 JS each interval. RIH w/full bore pkr. Set pkr @ 3388', SN @ 3381'. In 1 hr made 2 runs w/swab, rec no fluid. Acidized perfs 3431-3510' w/1000 gals 15% NE Fe_2 acid. In 7 hrs swbd 0 BO, 41 BW. Frac'd perfs 3431-3510' w/2000 gals cross linked gel, CO₂, 51,000# sd. On 6/19/81 swbd 6 BO, 58 BLW, show of gas. Retrieved BP & pkr. RIH w/2-3/8" OD tbg, set @ 3671', SN @ 3635'. RIH w/pump & rods. On 24 hrs potential test 8/09/81 pmpd 0 BO, 121 BW, 27 MCFG.

FINAL REPORT.

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AUG 17 1981

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