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NEW MEXICO OIL CONSERVATION COMMISSION

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

JAN 5 1979

O. O. O.

5a. Indicate Type of Lease	State ☒ Fee ☐
5. State Oil & Gas Lease No.	B-2071-24

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 Atlantic Richfield Company	8. Farm or Lease Name Empire Abo Unit "G"
3. Address of Operator Box 1710, Hobbs, New Mexico 88240	9. Well No. 343
4. Location of Well UNIT LETTER <u>K</u> <u>1330</u> FEET FROM THE <u>South</u> LINE AND <u>1970</u> FEET FROM THE <u>West</u> LINE, SECTION <u>34</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> NMPM.	10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3659.5' GL	12. County Eddy

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

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOBS ☒ Prod Csg	
OTHER <u>Log, Set 5-1/2" Csg & Complete</u> ☒	

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.

Drld 7-7/8" hole to 2150' on 11/26/78, encountered water flow ARO 500 BPD. Fin drlg 7-7/8" hole to 6370' TD @ 5:15 AM 11/29/78. Ran FDC-CNL w/Caliper, BHC-Sonic log, DLL w/RXO, GR-Neutron logs DST #1, unable to set tools. DST #2 6186-6211'. TO @ 6:25 AM 12/1/78, gas immed, no flow to surf. 5 min preflow, op to pit @ 6:35 AM, est rec 24 BF in 63 mins. Closed tool @ 7:25 AM, RO 20 BO. POH w/test tools. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6353', FC @ 6308'. Pengo top pkr @ 6232', btm pkr @ 6277'. DV tool @ 3022'. Ran GR log, located & corr pkr setting. Cmt 5-1/2" OD csg in 2 stages. Stage #1 cmt w/500 sx Lite cmt cont'g 10# 20/40 sd, 5# 100 mesh sd followed by 200 sx Surefill cmt cont'g 2% CaCl. PD @ 6:00 PM 12/2/78. Circ 75 sx. Op DV tool & cmt 2nd stage w/900 sx Surefill cmt cont'g 2% CaCl followed by 100 sx Cl C cont'g 6# salt/sk. PD @ 10:30 PM 12/2/78. Circ 110 sx to pit. WOC 72 hrs. DO cmt & SC, ran bit to 6249'. Press tstd csg to 1500# 30 mins OK. Fin drlg cmt to FC @ 6308'. Ran CBL OK. RIH w/pkr on 2-3/8" OD EUE tbg, set pkr @ 6109'. Op Pengo sliding sleeves @ 6243' & 6270'. Swbd 3 hrs, rec 7 BO & 47 BFW. POH w/pkr & tbg. Closed top sliding sleeve. Pmpd into btm sliding sleeve @ 6270' w/3 BPM @ 200#. Squeezed thru Pengo sliding sleeve @ 6272' w/75 sx Cl C cmt cont'g .4 of 1% D-10 & .2 of 1% turbulent inducer & 2% CaCl. RO 20 sx cmt. WOC 24 hrs. RIH w/bit, TOC @ 5323'. Drld cmt 5727-6251'. Press tested csg to 1500# 30 mins OK. Perf'd Abo 6186-6196' w/2 JSPF. RIH w/pkr & tbg, set pkr @ 6104', SN @ 6103'. Acidized perfs w/150 gal 15% HCL-LSTNE-FE acid, 1500 gal gelle CaCl wtr, 1500 gal gel LC, 1500 gal 15% HCL-LSTNE-FE acid, flushed w/25 BLC. On 24 hr potential test 12/28/78 flwd Abo perfs 6186-6196' 271 BO, 0 BW & 308 MCFG, FTP 150#, 30/64" ck, GOR 1137:1.

Final Report

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

SIGNED W. A. Gressett TITLE Dist. Drlg. Supt. DATE 1/3/79

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JAN 8 1979

CONDITIONS OF APPROVAL, IF ANY: