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NEW MEXICO OIL CONSERVATION COMMISSION

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MAR 17 1977

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: B-2071-25

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 [X] 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 "F"

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

9. Well No.: 361

4. Location of Well: UNIT LETTER H, 1765 FEET FROM THE North LINE AND 1270 FEET FROM THE East LINE, SECTION 34 TOWNSHIP 17S RANGE 28E NMPM.

10. Field and Pool, or Wildcat: Empire Abo

15. Elevation (Show whether DF, RT, GR, etc.): 3668.2' GR

12. County: Eddy

16. 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 [ ]
- PLUG AND ABANDON [ ]
- CHANGE PLANS [ ]
- OTHER [ ]

SUBSEQUENT REPORT OF:

- REMEDIAL WORK [ ]
- COMMENCE DRILLING OPNS. [ ]
- CASING TEST AND CEMENT JOB [ ]
- ALTERING CASING [ ]
- PLUG AND ABANDONMENT [ ]
- OTHER Log, run prod csg, cmt, perf, treat & complete [X]

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 @ 5 PM 2/14/77 to 6350' TD. Ran DLL w/RXO, GRN, CNL-FD, Sonic & Caliper log. Ran 6122' of 5½" OD 14# J-55 & 212' of 5½" OD 15.5# J-55 csg, set @ 6350'. FC @ 6314' & DV tool @ 4349'. Stage #1 cmtd by pmpg 420 gals SAM-4 spacer followed by 25 BFW & 600 sx Cl C 50/50 Pozmix cont'g 2% gel, .6% CFR-2, 8# salt & 5# gilsonite/sk. Bumped plug w/2100# @ 12:30 PM 2/16/77. Op DV tool & circ 37 sx cmt to pit. Stage 2 cmtd 5½" OD csg thru DV tool w/25 BFW followed by 850 sx HLW cont'g 8#/sk salt, 100 sx Cl C cont'g 8# salt/sk. Bumped plug w/2500# @ 7:30 PM 2/16/77, Closed DV tool, circ 110 sx to pit. Small wtr flow between 8-5/8" X 5½" csg indicated channel in 2nd stage cmt job. WOC 48 hrs. Drld out cmt & DV tool @ 4349'. PBD @ 6302'. Press tstd csg to 1500# 30 mins OK. Ran CBL 6302-surf, TDT log 6302-4302'. Perf'd 5½" csg 1375-77' w/2 JSPF (4 - .46" holes). RIH w/cmt retr, set @ 1325'. Pmpd 25 BFW, 250 gals 15% HCL acid, 10 BFW & 150 sx Cl C .6% HLX-204, 2% CaCl, 3# salt/sk followed by 100 sx Cl C w/3# salt/sk, 2% CaCl. Circ cmt to surf, closed 8-5/8" csg valve, pmpd into fm. Max squeeze press 1100#, rev out 10 sx cmt to pit. WOC 24 hrs. DO cmt & retr. Small wtr flow from squeeze perfs. RIH & set cmt retr @ 1310', pmpd 150 sx Cl C cmt w/.6% HLX-204, 2% CaCl followed by 100 sx Cl C cmt cont'g 3# salt/sk. Pmpd 5 BFW, cleared tool. Stung back into retr & squeezed w/300 sx Cl C cmt cont'g 5# salt/sk. Max press 3000#. Held press 15 mins. WOC 24 hrs. Drld cmt retr & cmt to 1389'. Press tstd 5½" csg to 1500# 30 mins. OK. Perf'd 5½" csg 6233-45' w/2 JSPF (24 - .44" Holes). RIH w/2-3/8"tbg & Lok-set pkr, set pkr @ 6158', SN @ 6124', btm 6193'. Acidized perfs 6233-45' w/2000 gals 15% HCL acid cont FE sequestrant, flushed w/25 BLC, MP 4000#, Min 1300#, ISIP vac. On 22 hr potential test 3/5/77 flwd Abo perfs 6233-45' 690 BO, 0 BW & 317 MCFG on 48/64" ck, FTP 130#, GOR 460:1.

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

SIGNED: L. Roy Knott TITLE: Dist. Drlg. Supt. DATE: 3/15/77

APPROVED BY: W. A. Gressett TITLE: SUPERVISOR, DISTRICT II DATE: MAR 24 1977

CONDITIONS OF APPROVAL, IF ANY: