STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED
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O. C. C.
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Form C-103
Revised 10-1-78

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

5. State Oil & Gas Lease No.: 647-349 647-351

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.)

OIL WELL [X] 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 "G"

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

9. Well No.: 315

4. Location of Well: UNIT LETTER J, 1900 FEET FROM THE South LINE AND 1450 FEET FROM THE East LINE, SECTION 33 TOWNSHIP 17S RANGE 28E NMPM.

10. Field and Pool, or Wildcat: Empire Abo

15. Elevation (Show whether DF, RT, GR, etc.): 3662.6' GR

12. County: Eddy

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK [ ]
- PLUG AND ABANDON [ ]
- TEMPORARILY ABANDON [ ]
- PULL OR ALTER CASING [ ]
- CHANGE PLANS [ ]
- OTHER [ ]

SUBSEQUENT REPORT OF:

- REMEDIAL WORK [ ]
- ALTERING CASING [ ]
- COMMENCE DRILLING OPNS. [ ]
- PLUG AND ABANDONMENT [ ]
- CASING TEST AND CEMENT JOB [X] Prod Csg
- OTHER Log, Perf, Acidize & 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.

On 3/23/79 encountered water flow TSTM @ approx 3750' while drlg 7-7/8" hole. Water flow stopped on 4/23/79. Fin drlg 7-7/8" hole to 6370' TD @ 12:15 PM 3/30/79. Ran DLL, MLL w/caliper, GR-CNL-FDC logs. DST #1 6039-6034' Abo, pkr did not hold. DST #2 6029-6054' Abo, pkrs did not hold. DST #3 6066-6091', no pkr seat. DST #4 6063-6088' no pkr seat. DST #5 6060-6085 Abo, no pkr seat. DST #6 6100-6125', no pkr seat. DST #7 6090-6115' Abo, no pkr seat. POH w/tools. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6370', FC set @ 6327'. DV tool set @ 3030'. Cmtd 1st stage w/25 BW, 10bbls SAM-5 w/2% CaCl, 10 BW & 550 sx HLC, 2% CaCl followed by 250 sx Thik-set cmt. Open DV tool & circ 200 sx cmt to pit. Cmtd 2nd stage w/ 10 BW, 1100 sx Thik-set cmt. Closed DV tool w/2400#. Circ 250 sx cmt to pit. WOC 72 hrs. DO cmt & DV tool @ 3030'. CO to 6327' PBD. Press tstd csg to 1500# 30 mins OK. Ran CBL, OK. Perf'd Abo 6270-80' w/2 JSPF. RIH w/pkr on 2-3/8" OD tbg, set pkr @ 6246'. Acidized perfs w/150 gals HCL-LSTNE-FE acid, 1000 gal 15% HCL-LSTNE-FE, flushed w/ 24.5 BLC. Swbd 6 hrs, rec 27 BLO, 64 BLW. RIH w/cmt retr, set retr @ 6260'. Squeezed perfs 6270-80' w/100 sx Cl C cmt w/6/10 of 1% Halad-9 followed by 50 sx Cl C cmt w/.4 CFR-2, 3# salt/sk. RO 12 bbls cmt. WOC. DO cmt to 6240'. Press tested csg to 1500# for 30 mins OK. Perf'd 6220-30' w/2 JSPF. RIH w/pkr on 2-3/8" tbg, set pkr @ 6195'. Flwd 26 BNO, 14 BW on 18/64" ck, gas not meas. On 24 hr potential test 5/21/79 pmpd 241 BO, 15 BW & 140 MCFG, 3100# hydraulic pump press. GOR 581:1. 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 5/24/79

APPROVED BY [signature] TITLE SUPERVISOR, DISTRICT II DATE MAY 31 1979

CONDITIONS OF APPROVAL, IF ANY: