

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED BY

JUN 08 1984

Form C-103
Revised 10-1-78

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SANTA FE	<input checked="" type="checkbox"/>
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LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>

O. C. D.
ARTESIA, OFFICE

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> 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 P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 343
4. Location of Well UNIT LETTER K, 1330 FEET FROM THE South LINE AND 1970 FEET FROM THE West LINE, SECTION 34 TOWNSHIP 17S RANGE 28E NMPM.		10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3659.5' GR		12. County Eddy

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

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER Repair Water Flow <input checked="" type="checkbox"/>

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 2/6/84, killed well, inst BOP, rel pkr & POH. RIH w/RBP & pkr. Set BP @ 2975'. Set pkr @ 1409' & isolated holes in csg 1583-1613'. Dumped sd on top of BP. Set pkr @ 1400' & cmt sqzd hole in csg 1583-1613' w/400 sx Cl H Neat cmt. MP 2500#. POH w/pkr. WOC. Tagged cmt @ 1440' & drld cmt to 1611'. Press tested csg to 1000# OK. Rel press & had 1/2" stream water flwg back. Set pkr @ 1400' & cmt sqzd hole in csg @ 1600' w/400 sx Cl H cont'g 3% CaCl₂. POH w/pkr, WOC. DO squeeze job. Press tested csg, no squeeze. RIH w/pkr, set @ 1585'. Could not pump into hole in csg. POH w/pkr. Collar locator indicated hole in csg @ 1597'. Perf'd 2 JS @ 1598'. Set pkr @ 1583', unable to pump into hole. Perf'd 2 JS @ 1597'. Set pkr @ 1584'. Pmpd into holes ARO 1 BW in 10 mins. Pmpd 100 gals acid into holes, inj rate 1 1/2 BPM @ 2000#. Set pkr @ 1341' & cmtd holes in csg w/200 sx Cl H cont'g 3% CaCl₂. POH w/pkr. WOC. RIH w/bit, tagged cmt @ 1420' & DO cmt. Circ hole clean. Press tested squeeze job to 1000# for 30 mins OK. Circ sd off BP & rec BP. RIH w/pkr & compl assy. Circ hole w/corrosion inhibitor, set pkr @ 6123', rem BOP & connect WH. In 4 hrs swbd perfs 6186-6196' rec 62 BW & strong gas blow. SI csg 2 hrs w/150#, bled csg press & had water ARO 2 gals/2 1/2 hrs. POH w/pkr, set RBP @ 3000'. Ran CBL & CET logs. Perf'd 4 holes in 5 1/2" csg @ 1585'. POH w/pkr. Ran tbg OE & spotted 2 sx sd on BP to 2988'. POH w/tbg. Ran pkr & set @ 1522'. Cmt sqzd perfs 1585' w/40 sx Cl H cmt followed by 60 sx Cl H cmt, RO 35 sx. WOC. POH w/pkr, DO cmt to 1610'. Press tested squeeze job, no squeeze. Set pkr @ 1590' & break down holes @ 1585' & 1597'. Reset pkr @ 1278', cmtd holes w/150 sx Cl H cmt. SI w/2500# press, WOC. POH w/pkr. (cont'd on back of page)

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

SIGNED [Signature] TITLE Drig. Engr. DATE 6/5/84

APPROVED BY _____ TITLE OIL AND GAS INSPECTOR DATE JUN 11 1984

CONDITIONS OF APPROVAL, IF ANY:

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O. C. D.

ARTESIA, OFFICE

DO cmt to 1690'. No squeeze. RIH w/tbg OE, spot 25 sx Cl C cmt cont'g .4 or 1% Halad 9. POH w/tbg. Set pkr @ 1240' & rev 10 BF. Set pkr @ 1210' & pump $\frac{1}{2}$ bbl cmt in hole. WOC. POH w/pkr. DO cmt to 1610'. Had wtr flow ARO $\frac{1}{2}$ gal/hr. POH w/bit. Set pkr @ 1597', SION & had 40# on tbg & 500# on csg. Set pkr @ 1594', no flow back of water on tbg or csg. POH w/pkr. Rec RBP @ 3000'. RIH w/compl assy, circ tbg/csg annulus w/corrosion inhibited fluid, set pkr @ 6118'. Connect up wellhead on 3/29/84. On 3/30/84 flwd 12 BO, 142 BW, 1208 MCFG. CP 1175#. On 24 hr test 4/12/84 flwd 3 BO, 90 BW & 1659 MCFG, CP 1010#. Prior prod: 2/25/84 flwg every 10th day ARO 23 BO, 132 BW & 1188 MCFG. Final Report.