

OIL CONSERVATION DIVISION

P. O. BOX 2088

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SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

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JUN 09 '88

O. C. D.

3a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

B-2071

SUNDRY NOTICES AND REPORTS ON WELLS

ARTESIA, OFFICE

(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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator ARCO Oil and Gas Company ✓ | 8. Farm or Lease Name Empire Abo Unit "G" |
| 3. Address of Operator P.O. Box 1610, Midland, Texas 79702 | 9. Well No. 34 |
| 4. Location of well UNIT LETTER <u>K</u> <u>1943.90</u> FEET FROM THE <u>South</u> LINE AND <u>1947.25</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.) 3666 GR | 12. County Eddy |

16.

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 checked="" 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 <input 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 1703.

| Plug | Interval | Sx Cmt | Remarks |
|------|----------------------------------|-----------|--|
| 1 | 5930'-6130' | 20 | CIBP at 6130. (Top of Abo at 5941) |
| 2 | 3280'-3380' | 10 | Spot. (Top of Glorieta at 3330) |
| 3 | 2090'-2190' 2015-2115 | 10 | Spot. (Top of San Andres at 2138) |
| 4 | 1195'-1577' (holes in csg) | 50 | CIBP at 1850. CR at 1230 w/35' cmt on top. (holes in csg f/1545-1577) |
| 5 | 0-300 | 30 | Spot |

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

SIGNED Ken W. Gosnell TITLE Engr. Tech. 915-688-5672 DATE 6-6-88Original Signed By
Mike WilliamsAPPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY: As Noted AboveTITLE _____ DATE NOV 18 1988
Noted by _____ in support of _____
Plugging

PLUGGING PROCEDURE

DATE 12/3/87

WELL NO. & TYPE OF JOB: Empire Abo Unit #G-34 ARCO WI: 34.1406%
 JOB TITLE: Plug & Abandon API No. 30-015-01710 PROPERTY CODE: 6434266
 DRILLED & COMPLETED: 5/60 LAST WO: 8/87
 FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. Smith
 TD: 6491' PBD: 6130' DATUM: RKB DIST RKB TO GL: 15'
 TUBINGHEAD: MAKE NA SIZE NA PRESSURE RATING NA
 CASING INFORMATION: SIZE WEIGHT GRADE SET @ SX CMT TOC
 SURFACE: 8-5/8" 22.7 NA 1280' 550 Surface
 PRODUCTION: 4-1/2" 9.5 J-55 6491' 850 Primary
 PRESENT PERFORATIONS None

TUBING SIZE: 2-3/8" WT: 4.7 GRADE: J-55 THD CONN: EUE 8R NO. JTS. 46 @ 1446'
 PACKER & MISC.: Baker Model AD-1 packer set at 1446' with 4M lbs tension.
Located leak in 4-1/2" casing with packer f/1545-1577 8/87. PI leak at
1/2 BPM with 2500 psi.

PROCEDURE

1. Notify Mike Williams with the NMOCC in Artesia, NM (505) 748-1283 24 hours prior to performing work.
2. Test anchors. MIRU PU. Check well for pressure and bleed off. Kill well w/produced water as necessary. ND wellhead and NU BOP. TOH with tubing and packer.
3. TIH with 2-3/8" tbg OE to PBD 6130' and spot a 200' cmt plug up to 5830' to isolate the top of the Abo at 5941'. Pull tubing up hole to 5800' and circulate the well with 10 ppg BW containing 25 ppb salt gel.
4. Pull tubing up hole to 3380' and spot a 100' cmt plug across the top of the Glorieta at 3330'.
5. Pull tubing up hole to 2190' and spot a 100' cmt plug across the top of the San Andres at 2138'. TOH.
6. TIH with a 4-1/2" CIBP on 2-3/8" tubing and set it at 1850' to isolate the bottom of the Queen at 1810'. Pull tubing up hole to 1600' and circulate the well clean with produced water. POH.

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Empire Abo Unit #G-34
Plugging Procedure

7. TIH with packer to 1230' and establish injection into holes from 1545' - 1577'. TOH.
8. TIH with 4-1/2" CICR to 1230' and squeeze the holes with 50 sx of cmt. Sting out of retainer and dump 35' of cmt on top.
9. Circulate the well with 10 ppg BW containing 25 ppb salt gel.
10. Spot a 300' cmt plug at surface. Cut off wellhead and install a dry hole marker. Cut off anchors and clean location as necessary.

NOTE: This procedure discussed with and verbally approved by
Mike Williams with the NMOCC in Artesia, NM.

MBS
EDK


Empire Abo Unit #G-34
Current Wellbore Configuration

December 3, 1987
ARCO WI 34.1406%

Location: 1944' FSL & 1947' FWL, Sec 34-T17S-R28E, Eddy County, New Mexico
TD: 6491' PBD: 6130' GL Elev: 3660' RKB: 15' Spud: 5/60

