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OIL CONSERVATION DIVISION

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

Form C-103
Revised 10-1-

RECEIVED

3a. Indicate Type of Lease

State ☒ 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.)

MAR 29 1988

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company	8. Farm or Lease Name Empire Abo Unit "H"
3. Address of Operator P.O. Box 1610, Midland, Texas 79702	9. Well No. 302
4. Location of Well UNIT LETTER <u>N</u> <u>1250</u> FEET FROM THE <u>South</u> LINE AND <u>1925</u> FEET FROM THE <u>West</u> LINE, SECTION <u>33</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.) 3670.9 GR	12. County Eddy

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Recomplete same zone

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <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 1503.

Propose to abandon existing Empire Abo perms 6170-6190, come up hole and test Empire Abo interval 6120-6133. If the new interval is not productive, two additional intervals (6078-6092 & 6044-6054) have been chosen for possible testing.

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

SIGNED Kenneth Hosnell TITLE Engr. Tech. 915-688-5672 DATE 3-28-88

APPROVED BY Original Signed By Mike Williams TITLE Oil & Gas Inspector DATE MAR 30 1988

CONDITIONS OF APPROVAL, IF ANY:

WORKOVER PROCEDURE

DATE 1/22/88

WELL NO. & TYPE OF JOB: Empire Abo Unit #H-302 ARCO WI: 34.1407%

JOB TITLE: Plug Back to Upper ABO Interval

DRILLED & COMPLETED: 8/78 LAST WO: 8/80

FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. Smith

TD: 6283' PBD: 6248' DATUM: RKB DIST RKB TO GL: 11'

TUBINGHEAD: MAKE NA SIZE NA PRESSURE RATING NA

CASING INFORMATION: SIZE WEIGHT GRADE SET @ SX CMT TOC

SURFACE: 8-5/8" 24 K-55 750' 450 Surface

PRODUCTION: 5-1/2" 15.5 K-55 6283' 665 Surface

PRESENT PERFORATIONS 6170 - 6190 (2 JSPF)

TUBING SIZE: 2-3/8" WT: 4.7# GRD: J-55 THD: EUE 8R NO JTS: 199 @ 6122'

PACKER & MISC.: Last production test 3/24/87 produced 0 BO, 2 BW and 21
MCFG in 24 hours. SWI pending evaluation. Guiberson KVL-30 packer
set at 6122'. Tested casing to 500 psi 1/87.

PROCEDURE

1. Test anchors. MIRU PU. Check well for pressure and bleed off. Kill well as necessary with produced water. ND wellhead and NU BOP.
2. Release packer and lower to 6150'. POH with tubing and packer. Visually inspect tubing and hydrotest as necessary on next TIH.
3. RU WL unit and WL set a 5-1/2" CIBP at 6150'. Load the hole with produced water and pressure test the CIBP, 5-1/2" casing and BOP to 500 psi.
4. Perforate the Empire Abo with 2 JSPF from 6120' to 6124' and 6129' to 6133'. Correlate to Schlumberger Density/Neutron log dated 8/20/78. Note fluctuation in fluid level after perforating. If well goes on a vacuum proceed with swab testing prior to performing the acid job.
5. TIH with treating packer and 2-3/8" SN on 2-3/8" tubing to 6133'. Spot 100 gal acid across perforations and pull packer up hole to +6130'. Reverse 5 bbls water up tubing and set packer.

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Empire Abo Unit #H-302

Workover Procedure

6. Pressure annulus to 500 psi and acidize the Empire Abo perforations with 800 gal of 15% NEFE HCL acid at 1-2 BPM. Flush to the bottom perforation with produced water. Maximum wellhead treating pressure should be held below 1000 psi.

7. SWI for 30 minutes and swab test.

If the well is productive continue with step 11.

If the well is not productive continue with step 8.

8. WL set a CIBP at 6110' and perforate the Empire Abo from 6078' to 6092' w/2 JSPF. Spot acid and acidize as necessary with 1400 gal of 15% NEFE HCL acid at 1-2 BPM with a 1000 psi maximum wellhead treating pressure.

9. SWI for 30 minutes and swab test.

If the well is productive continue with step 11.

If the well is not productive continue with step 10.

10. WL set a CIBP at 6070' and perforate the Empire Abo from 6044' to 6054' w/2 JSPF. Spot acid and acidize as necessary with 1000 gal of 15% NEFE HCL acid at 1-2 BPM with a 1000 psi maximum wellhead treating pressure.

11. POH with tubing and packer. TIH with completion assembly as per production department specifications. TOTPS.

NOTE: Be sure to notify the State when rigging up and prior to performing any plug back operations.

MBS
KDK

Empire Abo Unit #H-302
Current Wellbore Configuration

January 22, 1988
ARCO WI 34.1407%

Location: 1250' FSL & 1925' FWL, Sec 33-T17S-R28E, Eddy County, New Mexico
TD: 6283' PBD: 6248' GL Elev: 3671' RKB: 11' Spud: 8/7/78

