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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

RECEIVED

MAR 29 1988

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

B-11593-8

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	ARTESIAL OFFICE	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company ✓		8. Farm or Lease Name Empire Abo Unit "F"
3. Address of Operator P.O. Box 1610, Midland, Texas 79702		9. Well No. 374
4. Location of Well UNIT LETTER <u>E</u> <u>2525</u> FEET FROM THE <u>North</u> LINE AND <u>520</u> FEET FROM THE <u>West</u> LINE, SECTION <u>35</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.) 3674.8 GR		12. County Eddy

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 Recomplete same zone ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

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.

Propose to abandon existing Empire Abo perms 6217-6237, come up hole and test Empire Abo interval 6142-6148. If the new interval is not productive, an additional interval (6108-6114) has 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 Ken W. GosnellTITLE Engr. Tech. 915-688-5672DATE 3-28-88

Original Signed By

APPROVED BY Mike Williams

TITLE _____

DATE

MAR 30 1988

CONDITIONS OF APPROVAL, Inspector

WORKOVER PROCEDURE

DATE 1/22/88

WELL NO. & TYPE OF JOB: Empire Abo Unit #F-374 ARCO WI: 34.1407*
JOB TITLE: Plug Back to Upper ABO Interval
DRILLED & COMPLETED: 1/79 LAST WO: 5/85
FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. Smith
TD: 6362' PBD: 6310' 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' 400 Surface
PRODUCTION: 5-1/2" 15.5 K-55 DV @ 3007' 800 Surface
PRESENT PERFORATIONS 6217 - 6237 (2 JSPF)

TUBING SIZE: 2-3/8" WT: 4.7# GRD: J-55 THD: EUE 8R NO JTS: 192 @ 6037'
PACKER & MISC.: Last production test 3/24/87 produced 3 BO, 479 BW and 23
MCFG in 24 hours. SWI pending evaluation. Lok-set packer set at 6037'
with a fluid pak cavity on top. Left a packer body and slips set at
6160' in 1/81.

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. POH with tubing and packer. Visually inspect tubing and hydrotest as necessary. TIH with a 4-3/4" bit and 5-1/2" casing scraper to the top of the packer fish at 6160'. Circulate the hole clean and TOH.
3. RU WL unit and WL set a 5-1/2" CIBP at 6160'. 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 6142' to 6148'. Correlate to Schlumberger Density/Neutron log dated 1/22/79. 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 6148'. Spot 100 gal acid across perforations and pull packer up hole to +6150'. Reverse 5 bbls water up tubing and set packer.

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Empire Abo Unit #F-374

Workover Procedure

6. Pressure annulus to 500 psi and acidize the Empire Abo perforations with 750 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 9.

If the well is not productive continue with step 8.
8. WL set a CIBP at 6130' and perforate the Empire Abo from 6108' to 6114' w/2 JSPF. Spot acid and acidize as necessary with 750 gal of 15% NEFE HCL acid at 1-2 BPM with a 1000 psi maximum wellhead treating pressure.
9. 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
G
VDC

Empire Abo Unit #F-374
Current Wellbore Configuration

January 22, 1988
ARCO WI 34.1407%

Location: 2525' FNL & 520' FWL, Sec 35-T17S-R28E, Eddy County, New Mexico
TD: 6362' PBD: 6310' GL Elev: 3675' RKB: 11' Spud: 1/10/79

