

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

State Fe	
dlm	
Land Office	
B of M	
Operator	

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

RECEIVED
OIL CONSERVATION DIVISION

JUN 05 '89
Santa Fe, New Mexico 87504-2088

B. C. D.
ARTESIA OFFICE

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. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
ARCO OIL AND GAS COMPANY

3. Address of Operator
P. O. Box 1610, Midland, Texas 79702

4. Well Location
Unit Letter G : 1330 Feet From The North Line and 1980 Feet From The East Line
Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3670.3 GR

WELL API NO.

30-015-22628

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-7116

7. Lease Name or Unit Agreement Name

Empire Abo Unit "F"

8. Well No.
352

9. Pool name or Wildcat
Empire Abo

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: Recomplete same zone ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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 Abo perms 6202-6222 and test upper zones in the Abo.

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

SIGNATURE Ken W. Gosnell TITLE Engr. Tech. DATE 6-1-89

TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY
MIKE WILLIAMS

APPROVED BY SUPERVISOR, DISTRICT II TITLE DATE JUN 5 1989

CONDITIONS OF APPROVAL, IF ANY:

WORKOVER PROCEDURE

DATE: 1-89

WELL NO. & TYPE OF JOB: EAU No. F-352 Abo Recompletion

DRILLED: 7-78 LAST WO: _____

FIELD: Abo COUNTY: Eddy, NM BY: Joel Talley

TD: 6283' PBD: 6241' DATUM: RKB DIST RKB TO GL: 11'

CASING INFORMATION:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	<u>8-5/8"</u>	<u>24#</u>	<u>K-55</u>	<u>753'</u>	<u>600</u>	<u>Surface</u>
INTERMEDIATE:						
PRODUCTION:	<u>5-1/2"</u>	<u>14&15.5#</u>	<u>K-55</u>	<u>6283'</u>	<u>1625</u>	<u>Surface</u>
LINER:						
CASING DETAIL:	<u>DV Tool @ 348' 8-5/8" Csg</u>					

PRESENT PERFORATIONS: 6202'-6222' 2 JSPF

PROPOSED PERFORATIONS: 6140'-50', 6096'-6104', 6054'-64' & 6008'-16'

TUBING DATA:	SIZE	WT.	GRADE	THD.	BTMD
	<u>2-3/8"</u>	<u>4.7</u>	<u>J-55</u>	<u>8rd</u>	<u>6237'</u>
	<u>NO. OF JTS. 198 MISC. TAC @ 6168' w/ 16,000# tension</u>				

PACKER & MISC.: 198 Jts to TAC

PROCEDURE

1. Notify NMOC Commission of intention to recomplete the well.
2. Test anchors. MIRUPU. Check well for pressure and bleed off.
3. POH w/ 2-3/8" production tbg. Visually inspect the tbg for workover use.
4. RIH w/ 4.75" GR to PBD @ 6241'. Set CIBP on WL @ 6180'. Load & test csg to 500 psi w/ produced water for 15 minutes. If csg does not hold, RIH w/ pkr and isolate leak for squeeze.
5. Perforate Abo with 2 JSPF f/ 6140'-6150' (correlate with Schlumberger GR-CNL/FDL dated 10-28-78). If well goes on vacuum swab prior to acidizing.
6. RIH w/ treating Pkr and 2-3/8" production tbg, hydro-testing tbg to 4000 psi, to 6150'. Spot 100 gals across perfs and pull packer to 6050'. Reverse 5 bbls water up tbg and set pkr.

7. Pressure annulus to 500 psi and acidize perfs w/ 1000 gals 15% NEFE HCL acid at 1 BPM. Flush to btm perf w/ produced water. Maximum treating pressure is 1000 psi.
8. SI for 30 minutes and record pressure every 10 minutes. Swab and evaluate.

If zone is productive continue with step 13.
If zone is not productive continue with step 9.
9. POH w/ tbg & pkr. WL set CIBP @ 6130' & test to 500 psi. Perf Abo f/ 6096'-6104' w/ 2 JSPF. Acidize w/ 1000 gals 15% NEFE HCL and evaluate as in steps 5,6,7 & 8.

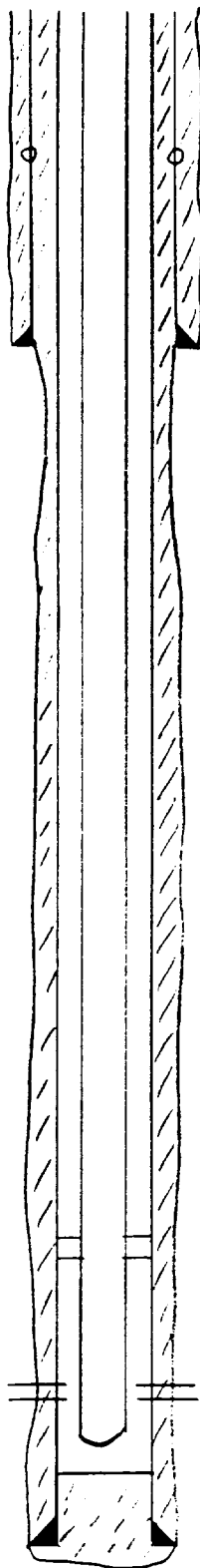
If zone is productive continue with step 13.
If zone is not productive continue with step 10.
10. POH w/ tbg & pkr. WL set CIBP @ 6085' & test to 500 psi. Perf Abo f/ 6054'-6064' w/ 2 JSPF. Acidize w/ 1000 gals 15% NEFE HCL and evaluate as in steps 5,6,7 & 8.

If zone is productive continue with step 13.
If zone is not productive continue with step 11.
11. POH w/ tbg & pkr. Set CIBP @ 6040' & test to 500 psi. Perf Abo f/ 6008'-6016'. Acidize w/ 1000 gals 15% NEFE HCL and evaluate as in steps 5,6,7 & 8.

If zone is productive continue with step 13.
If zone is not productive continue with step 12.
12. POH w tbg & pkr. Set CIBP @ 5901' (Top Abo Reef @ 5901') on WL to TA well pending Engineering Evaluation.
13. POH w/ tbg & pkr. RIH w/ completion assembly as per Production Department specifications. TOTP.

General Purpose Worksheet

Subject	Current Wellbore Diagram		Page No	Of
File	EAV F-352	By	JDT	Date 1-89



Drilled 10-78 AGE 11
TOC 3 5/8' - 5 1/2' to Surface

3 1/2' OV Tool @ 348'

3 5/8" 5 4# K-55 CSG @ 753' cmt'd w/ 600SX
in 2 stages.

Top Abn Area @ 590'

TAC @ 6168' w/ 12,000# tension
2 3/4' - 7# J-55 tbg @ 6237' (200 JTS)

Perfs 6202' - 22' w/ 2 JSPE

PBD 6241'
5 1/2" 15.5# K-55 CSG @ 6283' cmt'd w/ 5X
TD @ 6283'

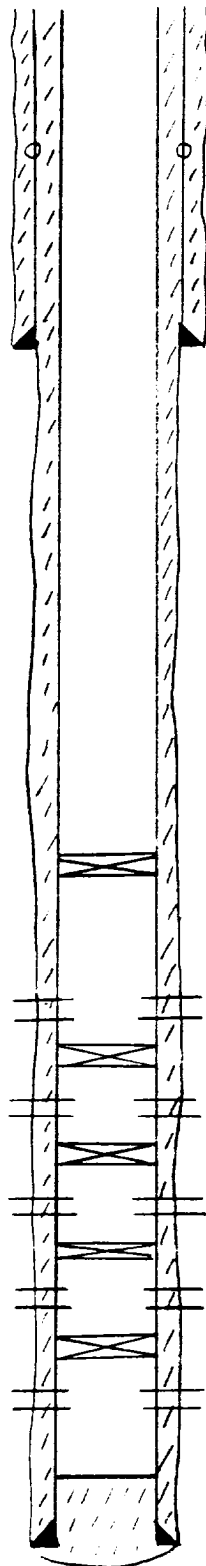
General Purpose Worksheet

Subject: Proposed Wellbore Diagram
 File: EAU F-352

Page No.

By JDT

Date 1-89



Ocilled 10-78

8 5/8" @ 753'

Top of Abo Reef @ 5901'

Fourth Objective - Perfs 6008' - 6016' w/2JSPP

If unproductive Set CIBP @ 5901'

Third Objective - Perfs 6054' - 6064' w/2JSPP

If unproductive Set CIBP @ 6040'

Second Objective - Perfs 6096' - 6104' w/2JSPP

If unproductive set CIBP @ 6085'

First Objective - Perfs 6140' - 6150' w/2JSPP.

If unproductive set CIBP @ 6130'

Set CIBP

Current Perfs 6202' - 6222' w/2JSPP

5 1/2" Csg @ 6283'

TD 6283'