

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	☒
FILE	☒
U.S.G.S.	
LAND OFFICE	
OPERATOR	☒

RECEIVED
OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501
SEP 22 '88

O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 10-1-77

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No. B-2071-25	

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 ☐ GAS WELL ☐ OTHER		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. 362
4. Location of Well UNIT LETTER <u>H</u> <u>1850</u> FEET FROM THE <u>North</u> LINE AND <u>350</u> FEET FROM THE <u>East</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.) 3674.6 GR		12. County Eddy

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 <u>Recomplete Abo Zone</u> ☒

SUBSEQUENT REPORT OF:

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

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 perms 6214-6241' and perf and treat Abo interval 6087-6095'. If non-productive, test two other zones 6054-6067' and 6028-6032'.

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 9-19-88

APPROVED BY Original Signed By Mike Williams TITLE _____ DATE SEP 23 1988

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR WORKOVER COST ESTIMATE & PROCEDURE

TO: B. N. Brown - MIO 1413

FROM: J. T. Lowder - MIO 118

WELL NAME: Empire Abo Unit Well No. F-362

JOB DESCRIPTION: Plug Back To Uphole Abo Interval

LEGAL LOCATION: 1850' FNL & 350' FEL, Sec 34-T17S-R28E, Eddy Co., NM

FIELD: Empire Abo TD: 6384' PBD: 6336'

PRESENT STATUS AND PRODUCTION: Shut-in effective 12/16/87.
During 11/87 averaged 0 BOPO and 159 BWPO.

PRESENT PERFORATIONS AND FORMATION: Empire Abo 6214 - 6241'

ABANDONED PERFORATIONS AND FORMATION: None

RECOMPLETION: OBJECTIVE #1	Abo	#2	Abo	#3	Abo
PERFORATIONS (2 JSPP)	<u>6087-6095'</u>		<u>6054-6067'</u>		<u>6028-6032'</u>
BREAKDOWN VOL & TYPE	<u>1000 gal 15% HCl</u>		<u>1500 gal 15% HCl</u>		<u>500 gal 15% HCl</u>
BREAKDOWN RATE & PRESS	<u>1-3 BPM @ 1000*</u>		<u>1-3 BPM @ 1000*</u>		<u>1-3 BPM @ 1000*</u>
FRAC VOL & TYPE	<u>None</u>		<u>None</u>		<u>None</u>
FRAC RATE & PRESS	<u>None</u>		<u>None</u>		<u>None</u>
BHP/BHT	<u>850*/110°F</u>		<u>850*/109°F</u>		<u>850*/109°F</u>
SPECIAL REQUIREMENTS	<u>None</u>		<u>None</u>		<u>None</u>

TYPE WELL: OIL X GAS DUAL SINGLE X PMG X FLWG

BRIEF OUTLINE OF PROPOSED WORKOVER:

Set CIBP @ 6130'. Perf Objective #1 w/ 2 JSPP.
Acidize perms w/ 15% NEFE HCl acid. Flush to
bottom perf with produced water. SI for 30
minutes and swab test. If productive, RIH w/ CA.
If non-productive, set CIBP above perms and test
Objective #2. If necessary, test Objective #3. All
acid should be 15% NEFE HCl and maximum WHP
of 1000 psig for all treatments.

COMMENTS, UNUSUAL CONDITIONS:

Well was completed using Pengo tool with inflatable
packers behind the 5 1/2" casing at 6214' and 6241'.
Production thinks that it may be possible that the
one of the packers may have collapsed.

TYPE ESTIMATE: AFE X

BUDGET

DATE REQUIRED: 3/25/88

ANTICIPATED WORK START DATE: 6/88

APPROVED FOR SUBMITTAL BY: D. J. [Signature]

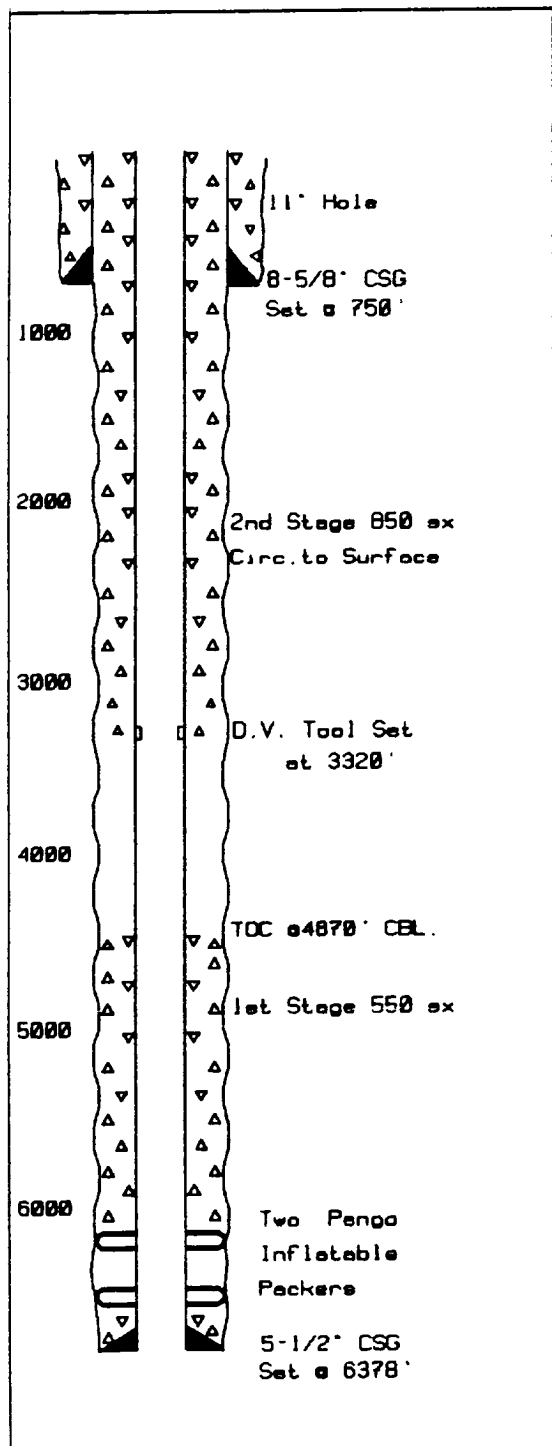
DATE: 2-10-88

xc: G. D. Kimbrough - MIO 1408

ARCO OIL AND GAS COMPANY

March 10, 1988

CURRENT WELLBORE CONFIGURATION



GENERAL INFORMATION

Well Name: Empire Abo Unit No. F-362

Location: 1850' FNL & 350' FEL, Sec. 34, T17S, R28E
Eddy County, New Mexico

Spud Date: October 31, 1978

Completion Date: November 21, 1978

TD: 6384'; PBTD: 6336'. ARCO W.I. 34.1407%

Elevation GL: 3674' RKB:

API or State Number: 30-015-22630

CASING INFORMATION

Depth (ft)	Hole Size	Casing Weight (lbs)	Grade	Cpl. (sxs)	Cmt.	Top (ft)
0-750'	11"	8-5/8"	24#	K-55	STC	500 Surface
0-6378'	7-7/8	5-1/2"	15.5#	K-55	LTC	1305 4870' 2nd. Stage to Surface

TUBING INFORMATION

Length (ft)	Tubing Size	Weight (lbs)	Grade	Cpl.
6278'	2-3/8"		J-55	EUE 8rd
31.5'	2-3/8"		J-55	EUE 8rd MA
3.8'	2-3/8X5-1/2"		Baker model	"B" TAC

PERFORATIONS

Interval	Number of Shots	Comments
6214'- 6241'		Pengo tool with two inflatable packers set to isolate production interval

COMMENTS

The well was shut in and temporarily abandon due to lack of economic production effective 12-16-87. It is possible that the one of the packers has collapsed.