Submit 3 Copies to Appropriate District Office

## State of New Mexico Energy, Minerais and Natural Resources Department

CONDITIONS OF AFFROVAL, IF ANY:

DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVAT P.O. Box	WELL API NO.		
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexi	ico 87504-2088	35-015- <del>01715</del> 5. Indicate Type of Lesse	
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410		MAR 23 '90	STATE X  6. State Oil & Gas Lease No.  B 11538-1	FEE L
SUNDRY NOTI ( DO NOT USE THIS FORM FOR PRO DIFFERENT RESER (FORM C	7. Lease Name or Unit Agreement Na  Empire Abo Unit "H"			
1. Type of Well: OIL GAS WELL X WELL	OTHER.		·	
2. Name of Operator ARCO OIL AND GAS COMP	ANV	L-	8. Well No. 35	
3. Address of Operator P. O. Box 1610, Midla			9. Pool same or Wildcat Empire Abo	
4. Well Location Unit Letter 0 :969.9	4 Feet From The South	Line and	. 16 Feet From The Eas	t line
Section 34	Township 17S	Range 28E	NMPM Eddy	County
	10. Elevation (Show who	ther DF, RKB, RT, GR, etc.)		
NOTICE OF INT	<b>-</b>	SUE REMEDIAL WORK COMMENCE DRILLIN	BSEQUENT REPORT OF:  ALTERING CASII G OPNS. PLUG AND ABAN	ws 🗆
PULL OR ALTER CASING  OTHER:	[	CASING TEST AND C	EMENT JOB	
12 Describe Proposed or Completed Operation work) SEE RULE 1103.  Propose to P&A as foll			ding estimated date of starting any propos	red
Plug Interval	Cmt Remark 35' CIBP w 5 sx CIBP w 25 sx Assume	ks 1/35' to 120/ete opri w/35 cmt. to Abo 6 ed TOC at 4765	. hole- or 100' plug 50' in 05905 20. TO Glorieta 3770	out of sho
4 2260-2360 5 1430-1530 6 0-856	60 sx Perf a	at <b>2360</b> . CR at 226 at <b>1530</b> . CR at 143 at <b>856</b> . Cmt insid	50. TO SA @ <b>2310</b> 80	
6 0-856 Install dryhole marke	60 sx Perf a 60 sx Perf a 400 sx Perf a	at <b>2360</b> . CR at <b>22</b> 6 at <b>1530</b> . CR at 143 at <b>856</b> . Cmt insid	50. TO SA @ <b>2310</b> 80	
6 0-856  Install dryhole marks  I hereby certify that the information above in true	60 sx Perf a 60 sx Perf a 400 sx Perf a	at 2360. CR at 226 at 1530. CR at 143 at 856. Cmt insid	50. TO SA @ <b>2310</b> 30 de & outside	20/90
6 0-856 Install dryhole marke	60 sx Perf a 60 sx Perf a 400 sx Perf a er.	at 2360. CR at 226 at 1530. CR at 143 at 856. Cmt inside	50. TO SA @ <b>2310</b> 30 de & outside	20/90

Notify NAMO,C.O. in sufficient time to witness Plugging

## WORKOVER PROCEDURE

DATE:2/13/90

WELL & JOB: Empire Abo Unit # H-35 PLUG AND ABANDON

DRILLED: 1960

LAST WORKOVER: 3-9-89 lay Down Rods

FIELD: Empire Abo

COUNTY: Eddy

BY: Gore

TD: 6299

PBD: 6299

DATUM: RKB 10'

TUBINGHEAD:

SIZE: 6"

PRESS RATING: 600

**TOC** SET@ SX CMT **CASING:** WEIGHT **GRADE** SIZE 24# 806 350 **SURFACE:** 8-5/8" INTER: ? 6289' 200 5-1/2" 15.5/14# J-55 PROD:

PERFORATIONS: Open Hole from 6289'-6299'

TUBING:

**SIZE:** 2-3/8"

**WEIGHT: 4.7** 

GRADE: J-55

THREAD: EUE

BTM'D @ 6284'

**JOINTS:** 202 + MA

MISC:

SCOPE OF WORK:

Plug and Abandon

## **PROCEDURE**

- 1. MIRU PU. Kill well if required. NU BOPE. POOH w/ CA. Run CBL to determine TOC.
  - a. If cement above Top of ABO @ 5905' continue @ step # 2.
  - b. If cement above Top of Glorietta @ 3770 continue @ step #2.
- 2. Set CIBP @ 5855' and dump 35' cement on same. Load and test casing.
  - a. If cement top below 3770' perforate @ 3820' and set CR @ 3720' and squeeze w/ 60 sacks . Continue @ Step # 3. Also set a 100' cement plug 50' above and below the TOC prior to perforating @ 3820'.
- 3. Perforate Casing @ 2360' (Top of San Andres @ 2310')
- 4. TIH w/ packer and set same @ 2200' and establish IR thru perforations. LOAD HOLE W/MLF. POOH.
- 5. TIH w/ CR and set same @ 2260' and squeeze holes w/ 60 sacks. POOH
- 6. Perforate casing @ 1530' (top of Queen @ 1480')
- 7. TIH w/ packer and establish IR. POOH. TIH and set CR @ 1430' and squeeze w/ 60 sacks. POOH.
- 8. Perforate casing @ 856' (Top of Yates @ 570'). Establish IR and cement casing and annulus w/ 400 sacks cement to surface. Cut off wellhead and Weld on Dry hole marker. Restore Location.

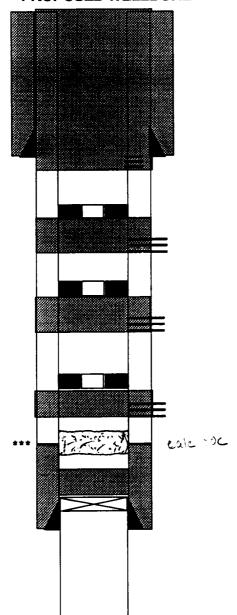
M. W. Gore

Concur: R. D. Reynolds

J. E. Shields

## Empire Abo Unit H-35 PROPOSED WELLBORE





**PERFS @ 856'** 

8-5/8" @ 806'

CR @ 1430'

PERFS @ 1530'

CR @ 2260'

PERFS @ 2360'

100' Plug 3820'-3720' thru perfs @ 3820'

\*\*\* see below

CIBP @ 5855' W/ 35' CEMENT

5-1/2" @ 6289'

4-3/4' OH @ 6299'

NOTE: There is no record of the cement top on the production casing. Calculated values are as follows:

- 1. 200 sacks @ 1.32 ft3/sack in 7-7/8" hole = 4765'
- 2. 200 sacks @ 1.32 ft3/sack in 8-1/2" hole = 5137'
- 3. 200 sacks @ 1.32 ft3/sack in 9" hole = 5335'.

<sup>\*\*\*</sup> Therefore assume TOC @ 4765' or below will require a 100' plug @ TOC.