- STATE OF NEW MEXICO	· · · · · · · · · · · · · · · · · · ·	
OISTRIBUTION	OIL CONSERVATION DIVISEONVED P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	Form C-103 Revised 19-1-
PILE IN P	FEB 01 '88	Sa. Indicate Type of Lease State X Fee
OPERATOR V	C. C. D.	5. State Oil & Gas Lease No. B-11593
	ICES AND REPORTS ON WELLS	
01L [X] 648		7. Unit Agreement Name
ARCO Oil and Gas Company		8. Form or Lease Hame Empire Abo Unit "E"
. Address of Operator P.O. Box 1610, Midland,	Texas 79702	9. Well No. 373
		10. Field and Pool, or Wildcat Empire Abo
	15. Elevation (Show whether DF, RT, GR, etc.) 3670.4 GR	12. County Eddy
6. Check Approp NOTICE OF INTENTI	riate Box To Indicate Nature of Notice, Report or (ION TO: SUBSEQUE	Other Data INT REPORT OF:
PERFORM REMEDIAL WORK	PLUE AND ABANDON ABANDON REMEDIAL WORR COMMENCE DRILLING OPHS.	ALTERING CASING PLUG AND ABANDONMENT
Recomplete same z		ing estimated date of starting any propos

Propose to set CIBP, come up hole and recomplete Empire Abo.

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

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Ken av Sotnell	Engr. Tech. 915-688-5672	DATE 1-27-88
Original Signed B Mike Williams Oil & Gas Inspecto	TITLE	FEB 4 1988

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RECEIVED

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FEB 01 '88

	WORKOVER_PROCED	URE	
O. C. D .		DATE1	0/3/87
ARTESIA, OFFICE			
WELL NO. & TYPE OF JOB: _E	<u>Impire Abo Unit #E-</u>	373	ARCO_WI: 34.1406%
JOB TITLE: <u>Plug Back to U</u>	<u> Ipper_Abo_Interval_</u>		
DRILLED & COMPLETED:	3/78	LAST WO:	4/86
FIELD: <u>Empire Abo</u> COU	JNTY: <u>Eddy County</u>	<u>NM</u> PRBPARED	BY: <u>M.B. Smith</u>
TD: <u>6275</u> , PBD: <u>6245</u>	DATUM: <u>RKB</u>	DIST RKB TO	GL:NA
TUBINGHEAD: MAKENA	SIZE7-1/16	_ PRESSURE RA	TING_ <u>3000</u> psi
CASING INFORMATION: \underline{SIZH} SURFACE: $\underline{8-5/8}$	WEIGHT GRADE	$\underline{SET} = \underline{SX}$	<u>CMT TOC</u>
	$-\underline{-24} - \underline{-124}$	<u> </u>	50 Surface
PRODUCTION: $5-1/2$	<u>2"_15.5K-55</u>	62752 - 4	$\frac{50}{50} = \frac{3700'(CBL)}{2700'(CBL)}$
PRESENT PERFORATIONS_Empi	re_Abo_6216-6228_		
TUBING SIZE: 2-3/8" WT: 4	<u>↓.7</u> # GRD: <u>J-55</u> THD:	EUE_BR NO J	VTS: 197 @ 6135'

__is_a_Baker_Lok-set_packer_with_a_pump_cavity_on_top.__Tong_die_fell_on_ __packer_and_there_is_a_standing_valve_stuck_inside_the_pump_cavity.____

PROCEDURE

- Test anchors. MIRU PU. Check well for pressure and bleed off. Kill well w/produced water as necessary. ND wellhead and NU BOP. TOH with 2-3/8" tubing and packer. Visually inspect the tubing. If tubing condition is questionable, hydrotest to 3500 psi above the slips on next TIH.
- 2. TIH with an overshot sized to cath the pump cavity above the Lok-set packer, 6 to 8 3-1/2" DC's, jars and a bumper sub on a 2-7/8" L-80 WS and latch onto the fish. Attempt to release the packer. If unable to release the packer attempt to dislodge the packer and retrieve it or drive it to bottom (DO NOT JAR FISH TO ABOVE 6000'). POH LD fishing tools. Work PKR found to 16200' Before TRYING TO Purc

If attempts to remove the packer are successful, continue with step number 3.

If attempts to remove the packer are unsuccessful continue with step number 8.

3. WL set a 5-1/2" CIBP at 6200'. Load the hole with produced water and pressure test to 500 psi.

Page 2 Empire Abo Unit #E-373 Workover Procedure

- 4. Perforate the Empire Abo from 6150' to 6160' with 2 JSPF. Correlate to Schlumberger Density/Neutron log dated 4/10/78. Note movement of fluid level after perforating. If well goes on a vacuum proceed with swabbing operation prior to performing the acid job.
- 5. TIH with treating packer and 2-7/8" SN on 2-7/8" tubing to 6160'. Spot 100 gal acid across perforations and pull packer up hole to $\pm 6060'$. Reverse 5 bbls water up tubing and set packer.
- Pressure annulus to 500 psi and acidize the Empire Abo perforations with 1200 gal 70/30 15% NEFE HCL acid and xylene at 1-3 BPM. Flush to the bottom perforation with produced water. Maximum treating pressure 1000 psi.
- 7. SWI for 30 minutes and swab test.

If the well is productive continue with step 10.

If the well is not productive continue with step 8.

8. WL set a CIBP at 6130' and perforate the Empire Abo from 6082 - 6088 w/2 JSPF. Spot acid and acidize as necessary with 750 gal of 15% NEFE HCL acid at 1-3 BPM with a 1000 psi maximum wellhead treating pressure. SI for 30 minutes and swab test.

If the well is productive continue with step 10.

If the well is not productive continue with step 9.

9. WL set a CIBP at 6070' and perforate the Empire Abo from 6036 - 6046 w/2 JSPF. Spot acid and acidize as necessary with 1000 gal of 15% NEFE HCL acid at 1-3 BPM with a 1000 psi maximum wellhead treating pressure. SI for 30 minutes and swab test.

MB3 KDK

10. POH LD 2-7/8" WS and packer. TIH with completion assembly as per production department specifications. TOTPS.

Empire Abo Unit #E-373 Current Wellbore Configuration

October 3, 1987 ARCO WI 34.1406%

Location: 150' FNL & 15' FWL, Sec 35-T17S-R28E, Eddy County, New Mexico TD: 6275' PBD: 6245' GL Elev: 3670' RKB: NA Spud: 3/29/78

