

WORKOVER PROCEDUREDATE 3/24/87WELL NO. & TYPE OF JOB: Empire Abo Unit #D-40 ARCO WI: 34.1407%JOB TITLE: Plug Back and ReperforateDRILLED & COMPLETED: 7/60 LAST WO: 1/87FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. SmithTD: 6330' PBD: 6294' 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:	<u>8-5/8"</u>	<u>28</u>	<u>NA</u>	<u>724'</u>	<u>375</u>	<u>Surface</u>
				<u>170</u>	<u>Units HYS</u>	<u>400 &amp;</u>
PRODUCTION:	<u>5-1/2"</u>	<u>15.5</u>	<u>J-55</u>	<u>6330'</u>	<u>150sx</u>	<u>Surface</u>

PRESENT PERFORATIONS Empire Abo 6199-6219

TUBING DATA: One joint of 2-3/8" tubing in wellhead

PACKER & MISC.: POH w/production equipment and left one joint 2-3/8"  
tubing in wellhead 1/87. Well has been shut-in since 4/12/86. Well  
was on rod pump.

PROCEDURE

1. Test anchors. MIRU PU. Check well for pressure and bleed off. Kill well w/produced water as necessary. ND wellhead and NU BOP.
2. RU WL unit and run gauge ring/junk basket to 6200'. WL set a 5-1/2" CIBP at 6190' and load hole w/produced water. Pressure test 5-1/2" casing to 500 psi.
3. Perforate the Empire Abo f/6164' to 6178' w/2 JSPF (30 holes). Correlate to Schlumberger GR/N/CCL dated 7/25/60.
4. RIH w/treating packer and SN on 2-7/8" WS to 6178' and spot 100 gal 15% HCL. Set packer at +6060' and pressure tst annulus to 500 psi.
5. Acidize Abo perfs w/2100 gal 70/30 15% HCL acid and xylene (DAD treatment) at 1-3 BPM. Flush to bottom perf w/produced water. Max WHP 1000 psi.
6. SWI for 30 minutes and swab test.
7. Kill well as necessary w/produced water and POH LD WS and packer.
8. TIH w/MA, PN and SN (TAC if desired by production department) on new 2-3/8" tubing to +6180'. RIH w/rods and pump and TOTPS.

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3/25/87

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MB  
KDE