

WORKOVER PROCEDURE

DATE 3/18/87

WELL NO. & TYPE OF JOB: Empire Abo Unit #G-37 ARCO WI: 34.1407%

JOB TITLE: Plug Back and Reperforate

DRILLED & COMPLETED: 6/60 LAST WO: 1/87

FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. Smith

TD: 6351' PBD: 6340' 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>720'</u>	<u>300</u>	<u>Surface</u>

PRODUCTION:	<u>5-1/2"</u>	<u>15.5</u>	<u>J-55</u>	<u>6351'</u>	<u>150sx</u>	<u>1935</u>
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PRESENT PERFORATIONS Empire Abo 6226-38 (2 JSPF)

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 1/9/87.

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 6210'. Run GR collar log and correlate to Schlumberger GR/N dated 6/24/60. WL set a 5-1/2" CIBP at 6210' and load hole w/produced water. Pressure test 5-1/2" casing to 500 psi.
3. Perforate the Empire Abo f/6158' to 6168' w/2 JSPF (22 holes).
4. RIH w/treating packer and SN on 2-7/8" WS to 6168' and spot 100 gal 15% HCL. Set packer at ±6060' and pressure tst annulus to 500 psi.
5. Acidize Abo perfs w/1200 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 ±6200'. RIH w/rods and pump and TOTPS.