

WORKOVER PROCEDUREDATE 4/1/87WELL NO. & TYPE OF JOB: Empire Abo Unit #E-37 ARCO WI: 34.1407%JOB TITLE: Plug Back and ReperforateDRILLED & COMPLETED: 8/60 LAST WO: 5/86FIELD: Empire Abo COUNTY: Eddy County, NM PREPARED BY: M.B. SmithTD: 6350' PBD: 6315' 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>24</u>	<u>J-55</u>	<u>752'</u>	<u>400</u>	<u>Surface</u>

PRODUCTION:	<u>5-1/2"</u>	<u>15.5</u>	<u>J-55</u>	<u>6348'</u>	<u>800</u>	<u>Surface</u>
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PRESENT PERFORATIONS Empire Abo 6283-6313 (4 JSPF)TUBING SIZE: 2-3/8" WT: 4.7# GRD: J-55 THD: EUE 8R NO JTS: 199 @ 6240'

PACKER & MISC.: Baker Model "D" packer set at 6240' (WLM) 8/60. Press
tested 5-1/2" casing to 500 psi 5/86. Well shut-in since that time.
Tubing has a 2' locator sub, a locator seal assembly and a Kobe cavity
on bottom.

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. Fish standing valve if present & POH w/tubing.
3. RU WL unit and run gauge ring/junk basket to top of Model "D" packer at 6240'. WL set a CIBP at 6235'. Pressure test 5-1/2" casing to 500 psi. Correlate to Pan Geo Atlas Corp. GR/N/CCL dated 8/15/60.
4. Perforate the Empire Abo f/^{6107'}~~6154'~~ to ^{6114' JTC}~~6162'~~ w/2 JSPF (18 holes).
5. RIH w/treating packer and SN on 2-3/8" tbg to ^{6114' JTC}~~6162'~~ and spot 100 gal 15% HCL. Set packer at ^{6000 JTC}~~6060'~~ and pressure tst annulus to 500 psi.
6. 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.
7. SWI for 30 minutes and swab test.
8. TOH w/tbg and packer. TIH w/production pkr and Kobe cavity on 2-3/8" tbg to +6100'. Drop standing valve and load tubing with produced water. Drop pump and TOTPS.