

WORKOVER PROCEDURE

DATE 12/18/87

WELL NO. & TYPE OF JOB: Empire Abo Unit #F-36 ARCO WI: 34.1406x

JOB TITLE: Plug Back to Upper ABO Interval

DRILLED & COMPLETED: 7/60 LAST WO: 1/80

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

TD: 6339' PBD: 6304' DATUM: RKB DIST RKB TO GL: 15'

TUBINGHEAD: MAKE NA SIZE 7-1/16 PRESSURE RATING 2000 psi

CASING INFORMATION:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
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SURFACE:	<u>8-5/8"</u>	<u>24</u>	<u>J-55</u>	<u>775'</u>	<u>450</u>	<u>Surface</u>
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PRODUCTION:	<u>4-1/2"</u>	<u>9.5</u>	<u>J-55</u>	<u>6339'</u>	<u>950</u>	<u>975' (TS)</u>
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PRESENT PERFORATIONS 6375 - 6303 (2 JSPF)

TUBING SIZE: 2-3/8" WT: 4.7# GRD: J-55 THD: EUE 8R NO JTS: 189 @ 5898'

PACKER & MISC.: Has a Guiberson KVL 30 packer set at 5898' with a Kobe cavity on top. Last production test produced 34 BO, 549 BW and 869 MCFG 5/15/87. Well shut in 6/1/87 after swabbing 100% water.

PROCEDURE

1. Test anchors. MIRU PU. Check well for pressure and bleed off. Kill well as necessary with produced water. ND wellhead and NU BOP.
2. Release the packer and lower it to +6260'. POH with tubing and packer. Visually inspect tubing and hydrotest as necessary on next trip in hole.
3. RU WL unit and WL set a 4-1/2" CIBP at 6250'. Load the hole with produced water and pressure test the CIBP, 4-1/2" casing and BOP to 500 psi.
4. Perforate the Empire Abo with 2 JSPF from 6184' - 6192'. Correlate to Schlumberger GR/Neutron log dated 7/14/60. Note fluctuation in fluid level after perforating. If well goes on a vacuum proceed with swab testing prior to performing the acid job.
5. TIH with treating packer and 2-3/8" SN on 2-3/8" tubing to 6192'. Spot 100 gal acid across perforations and pull packer up hole to +6100'. Reverse 5 bbls water up tubing and set packer.