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WORKOVER PROCEDURE

DATE: 9 March 1990
WELL & JOB: Empire Abo F354, Recomplete higher in the Abo **DRILLED:** 1979
LAST WORKOVER: 3/83 Plugged back, cut window, drilled drain hole **FIELD:** Empire (Abo) **COUNTY:** Eddy
BY: C. U. Bird **TD:** 6350' **PBD:** 6273' **DATUM:** 11' KB
TUBINGHEAD: **SIZE:** **PRESS RATING:**

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8"	24#	K-55	750'	325	surface
PROD:	5-1/2"	15.5&17#	K-55	6350'	1350	surface

PERFORATIONS: Abo: 6178'-6208' (squeezed), Open Hole (drain hole) 6189'-6273'

TUBING: **SIZE:** none in hole **WEIGHT:** **GRADE:** **THREAD:**
BTM'D @ **JOINTS:** **MISC:**

HISTORY AND BACKGROUND: This well was drilled and completed in 1979 as a flowing Abo oil well. In 1980 a channel was squeezed wi Injectrol, and in 1983 the original perforations were squeezed and a drain hole was drilled from 6189.5 to 6273'. In late 1988 the Production Department pulled the completion assemby, transfered it off and TA'd the well.

SCOPE OF WORK: Plug back to higher Abo, run 2-3/8" assembly

PROCEDURE

1. MIRU PU. RU wireline. RIH with GR/junk basket to 6175'. POH. RIH with CIBP to 6170'. Set CIBP. Loac hole with produced water and test plug to 1000 psi. Perforate 6134' - 6142' with 2 JSPF (perfs picked from Schlumberger's GR/CNL/FDC dated 29 March 1979). Note whether the well goes on vacuum. Dump bail 20' cement on the plug.

2. TIH with 5-1/2" treating packer to 6000'. NOTE: If the well did not go on vacuum in step 1, continue in to 6142' and spot 100 gal 15% NEFE HCL across perfs. Set packer at 6000' (reverse first if acid was spotted). If the well did not go on vacuum in step 1, acidize with 1000 gal 15% NEFE at less than 1 BPM and less than 1000 PSI. Flush to bottom perf with produced water. SI 30 minutes and record pressure every 10 minutes.

3. Swab test.

4. If the well is economical, pull treating packer, run production assemby, TOPS.

5. If the well is not economical, release treating packer, TOH. RU wireline. Set CIBP at 6125'. Load hole and test CIBP to 1000 psi. Perforate 6088' - 6096' with 2 JSPF. Note whether the well goes on vacuum. Dump bail 20' cement on the plug.

6. Repeat step 2 for these perfs.

7. If the well is economical, pull treating packer, run production assemby, TOPS.

8. If the well is not economical, release treating packer, TOH. RU wireline. Set CIBP at 6072'. Load hole and test CIBP to 1000 psi. Perforate 6054' - 6064' with 2 JSPF. Note whether the well goes on vacuum. Dump bail 10' cement on the plug.