

WORKOVER PROCEDURE

DATE: 1/30/90

WELL & JOB: Empire Abo Unit No. F-331 Test Upper Abo

DRILLED: November 1974

LAST WORKOVER: January 1988 - Pull rods

FIELD: Empire (Abo)

COUNTY: Eddy, NM

BY: S. W. Robinson

TD: 6300'

PBD: 6299'

DATUM: RKB - 10'

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8"	24#	K55	1005'	575	Surf (Circ)
PROD:	5-1/2"	14#	J55	6300'	1000	1010' (TS)

PERFORATIONS: Abo 6278-84, 6288-92, 6295-98' (2 JSPF)

TUBING:	SIZE: 2-7/8"	WEIGHT: 6.5#	GRADE: J55	THREAD: 8RD EUE
BTM'D @ 6179'	JOINTS: 192	MISC: 2-7/8" std seating nipple		

PACKER AND MISC: 2-7/8" SN, Baker Model B TAC in 15 pts tension, 3' perf sub, 1 jt 2-7/8" tbg w/ BP.

HISTORY AND BACKGROUND: The Empire Abo Unit F-331 was drilled and completed in the Abo reef in November 1974. The well produced from Abo perms 6278-98 until June 1989 when the rods were pulled and the well shut-in due to high water-cut.

SCOPE OF WORK: The objective of this workover is to test intervals in the Upper Abo Reef.

PROCEDURE

1. MIRU PU. NU BOPE. Rlse Baker Model B TAC @ 6144'. POH w/ 2-7/8" tbg. Visually inspect production tbg for suitability as WS.
2. RU WL & set CIBP @ 6270'. WL set CIBP @ 6270'. Load hole & test csg to 500 psi w/ kill truck. Perforate Abo f/ 6200-6212' @ 2 JSPF using 4" csg gun. Correlate to Schlumberger's GR/CNL/FDL dated 12/8/74.
3. If well goes on vacuum, TIH w/pkr & SN on 2-7/8" tbg. Set pkr @ $\pm 6100'$ & swab test. If well does not go on vacuum, TIH w/ pkr & SN. Spot 100 gals 15% NEFE HCL across perms. Rev 5 bbls & set pkr @ $\pm 6100'$. PA to 500 psi & acdz Abo w/ 1000 gals of 15% NEFE HCL @ 1 BPM. Do not exceed 2000 psi. Flush to bottom perf with produced wtr. SWI f/ 30 min & swab test.
4. If zone is productive, proceed with step 6. If zone is not productive, POH & RU WL. Set CIBP @ 6190'. Perforate Abo f/ 6150-6160' @ 2 JSPF using 3-1/8" csg gun. Repeat step 3 with pkr @ 6050'.
5. If neither zone is productive, POH & TA well. ND BOPE & NU WH. RDMO PU.
6. TIH w/ completion assembly per Production Department's recommendation. ND BOPE & NU WH. RDMO PU. TOTPS.

A generic cost estimate of \$19,200 has been provided and a work order initiated. Work will commence upon receipt of the approved work order.

S. W. Robinson

Approved: MWJ/MEE
M. E. Ellis

JA
J. E. Shields