

WORKOVER PROCEDURE

DATE: 8/28/89

WELL & JOB: Empire Abo Unit No. F-343

DRILLED: May, 1979

LAST WORKOVER: Dec., 1988 POH w/ CA

FIELD: Empire Abo Field

COUNTY: Eddy, NM

BY: D.C. Bretches

TD: 6383

PBD: 6340

DATUM: RKB (11')

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8	24	K-55	750'	350	Surf (Circ)
PROD:	5-1/2	15.5	K-55	6382'	2100	Surf (Circ)

PERFORATIONS: Abo Perforations: 6222 - 6242' (40 open holes)

TUBING: SIZE: 2-3/8"

WEIGHT: 4.7#

GRADE: J-55

THREAD: 8RD EUE

BTM'D @ 6114'

JOINTS: 198

MISC: TBG open ended in well

PACKER AND MISC: No Packer in hole @ present.

HISTORY AND BACKGROUND: The Empire Abo Unit No. F-343 was drilled in May 1979 and was completed as a flowing producer. In September 1979, the F-343 was equipped with a Kobe pump and produced until October 1980. The well was then converted back to a flowing producer until December 1988 at which time it was shut in due to a prohibitively high water cut.

SCOPE OF WORK: Recomplete the Empire Abo Unit No. F-343 in the upper Abo zone after setting a CIBP above the current perforated interval.

PROCEDURE

1. MIRU PU. ND WH. NU BOP. POH w/ 2-3/8" Prod TBG.
2. RU WL and run GR/JB to 6220'. Run GR/CCL f/ 5500 - 6200' (Use to correlate to Schlumberger's GR/CNL/FDC dated 5/6/79). Set CIBP @ 6200'. Test CSG to 500 psi for 15 min w/ produced water. If CSG does not hold, RIH w/ PKR and isolate CSG leak.
3. Perf the 5-1/2" CSG w/ 2 JSPF using a 4" CSG gun f/ 6154 - 6168' (28 - .42" holes).
If well goes on vacuum, swab test. If well does not go on vacuum, proceed to Step #4.
4. RIH w/ RET PKR on 2-3/8" Prod TBG to 6170' testing to 4000# above slips. Spot 100 gal 15% NEFE HCl acid across perms 6154 - 6168'. PU, RVS 5 BBLs, and set PKR @ $\pm 6054'$. PA TO 500#.
5. Acidize Abo perms 6154 - 6168' w/ 1000 gal 15% NEFE HCl acid @ 1 BPM. Flush to bottom perf w/ clean produced water. MAXP: 1000#.
6. SI for 30 minutes, recording surf press every 10 minutes.
7. Swab/flow back and evaluate. If zone is productive, proceed to step #21, otherwise go to next step.
8. POH w/ TBG and PKR. WL set CIBP @ 6140'. Test to 500#.