

WORKOVER PROCEDURE

RECEIVED

DATE: 6/06/89

WELL & JOB: Empire Abo Unit No. F-341

DRILLED: JUL 30 '90
JULY 1977

LAST WORKOVER: Nov., 1988 Hot oil & Swab Treatment

FIELD: Empire Abo Field

C. COUNTY: Eddy, NM
ARTESIA, OFFICE

BY: D.C. Bretches

TD: 6363

PBD: 6363

DATUM: RKB (11')

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8	24	K-55	750'	325	Surf (Circ)
PROD:	5-1/2	15.5	K-55	6363'	2260	Surf (Circ)

PERFORATIONS: Abo Perforations: 6190 - 6210' (40 open holes)

TUBING:	SIZE: 2-3/8"	WEIGHT: 4.7#	GRADE: J-55	THREAD: 8RD EUE
BTM'D @ 6067'	JOINTS: 208	MISC:		

PACKER AND MISC: Baker Model 'R' Packer Set @ 6098' w/ 8000# Compression. Miscellaneous: 2-3/8" 8RD EUE x 2" Kobe Cavity above Packer @ 6084'.

HISTORY AND BACKGROUND: The Empire Abo Unit No. F-341 was drilled in July, 1977 and was completed as a flowing producer. In August, 1979, the F-341 was equipped with a Kobe pump and produced until March, 1981 at which time it was shut in due to an excessive GOR. The well was returned to production in April, 1988 and produced until December, 1988 before being shut in due to excessive water production.

SCOPE OF WORK: Recomplete the Empire Abo Unit No. F-341 in the upper Abo zone after setting a CIBP above the current perforated interval.

PROCEDURE

1. MIRU PU. ND WHL. NU BOP. RLSE Baker Model 'R' 2-3/8" x 5-1/2" PKR. POH w/ CA.
2. RU WL and run GR/JB to 6180'. Run GR/CCL f/ 5500 - 6170' (Use to correlate to Schlumberger's GR/CNL/FDL dated 8/15/77). Set CIBP @ 6175'. 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/ 6132 - 6142' (20 - .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 6145'. Spot 100 gal 15% NEFE HCl acid across perfs 6132 - 6142'. PU, RVS 5 BBLs, and set PKR @ $\pm 6032'$. PA TO 500#.
5. Acidize Abo perfs 6132 - 6142' 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 #15, otherwise go to next step.
8. POH w/ TBG and PKR. WL set CIBP @ 6110'. Test to 500#.