

WORKOVER PROCEDURE

DATE: 8/10/89

WELL & JOB: Empire Abo Unit G-342

DRILLED: January, 1977

LAST WORKOVER: 3/26/89 Pull rods and pump - TA well

FIELD: Empire Abo

COUNTY: Eddy

BY: D.C. Bretches

TD: 6376'

PBD: 6325'

DATUM: RKB

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8"	24#	K55	600'	150	Surf (Circ)
PROD:	5-1/2"	15.5#	K55	6376'-6086'	1700	Surf (Circ)
	5-1/2"	14.0#	K55	6086'-Surface		Both Stages)

PERFORATIONS: Abo perms 6240 - 6260'

TUBING:	SIZE: 2-3/8"	WEIGHT: 4.7#	GRADE: J-55	THREAD: 8RD EUE
BTM'D @ 6263'		JOINTS: 201	MISC: SN @ 6264' w/ 3' perforated sub below	

PACKER AND MISC: No TAC in this well

HISTORY AND BACKGROUND: The Empire Abo Unit G-342 was drilled and completed as a flowing Abo producer in January, 1977. The well flowed until November, 1985 at which time it was converted to Jet Pump. In September, 1986, the G-342 was converted to Rod Pump and produced until it was TA'd in March, 1989 due to high water production. The last production test yielded 0 BO, 122 BW, and 9 MCFGPD.

SCOPE OF WORK: The objectives of this workover are to: 1) plug back the present Abo interval, 2) complete in the Upper Abo Reef, and 3) make an oil well out of this unproductive hole in the ground.

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 - 6220' (Use to correlate to Schlumberger's GR/N 1/27/77). 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/ 6140 - 6150' (22 - .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 6152' testing to 4000# above slips. Spot 100 gal 15% NEFE HCl acid across perms 6140 - 6150'. PU, RVS 5 BBLs, and set PKR @ $\pm 6040'$. PA TO 500#.
5. Acidize Abo perms 6140 - 6150' 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 @ 6120'. Test to 500#.