

WORKOVER PROCEDURE

DATE: 5/25/92

WELL & JOB: Empire Abo H-31 P&A

DRILLED: 7/60

LAST WORKOVER: 5/86 Circ treated wtr & SI

FIELD: Empire Abo

COUNTY: Eddy Co., NM

BY: Ray Martin

TD: 6338'

PBD: 6308'

DATUM: 13' RKB to GL

TUBINGHEAD: ?

SIZE: 7-1/16"

PRESS RATING: 3000 psi

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8"	22.7#		1000'	550	Circ
PROD:	4-1/2"	11.6#	J-55	0'-640'	1000	1040'
		9.5#	J-55	640'-6338'		

PERFORATIONS: 6233'-6257'

TUBING: SIZE: 2-3/8"

WEIGHT: 4.7#

GRADE: J-55

THREAD: EUE 8rd

BTM'D @ 6160' RKB

JOINTS: 199

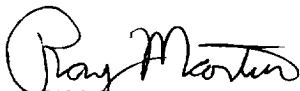
MISC: 14.27' 2-3/8" fluid cavity above pkr

PACKER AND MISC: Guiberson KVL-30 pkr @ 6160' w/10 pts compression.

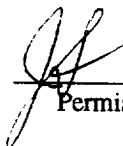
HISTORY AND BACKGROUND: Well was drilled and completed in Abo from 6233'-6257' as flowing producer in July 1960. Well was produced by Kobe pump prior to SI. **NOTE:** Check field office well rec. Midland well records may not be complete. They show last time CA was pulled was Oct '79. At that time the well had to be hot oiled to pull CA because of paraffin. There are no details on whether Kobe pump was circulated out or SV recovered in 5/86 when treated wtr was circulated.

SCOPE OF WORK: P & A

1. Notify NMOCD in Artesia, NM @ 505-748-1283 of intent to P&A. Dig out WHD. MIRU PU. ND WHD. NU BOP. Hot oil tbg & csg if needed. Release pkr @ 6160'. POOH w/pkr, fluid cavity, & tbg.
2. RIH w/3-7/8" bit & scraper to 6150'. POOH. RU WL and set CIBP at 6140'. RD WL.
3. RIH OE to top of CIBP at 6140'. While spotting 25 sks Cl C Neat cement plug from 6140'-5780' (Abo plug) displace well with 10 ppg MLF (minimum funnel viscosity of 35 sec) by using the MLF as lead and displacement.
4. PUH to 3750'. Spot 25 sks Class C Neat cmt plug f/3850'-3490' (Glorieta plug). Displace w/MLF.
5. PUH to 2250'. Spot 25 sks Class C Neat cmt plug f/2250'-1890' (San Andres plug). Displace w/MLF.
6. PUH to 1460'. Spot 25 sks Class C Neat cmt plug f/1560'-1200' (Salt plug). Displace w/MLF. PUH and reverse clean @ 1150'. POOH.
7. RU WL. Perf 4 sqz holes at 1010'. Break circ down 4-1/2" csg out the 4-1/2" x 8-5/8" annulus. Cement 4-1/2" csg and 4-1/2" x 8-5/8" annulus from surface to 1010' with 320 sks Class C Neat (Csg shoe, fresh wtr, & surf plug).
8. ND BOP. RD PU. Cutoff WHD & anchors. Weld on plate w/1" valve. Fill cellar. Install dry hole marker. Clean location.



Permian Team Drlg Eng.



Permian Team Leader