

ENRON OIL AND GAS COMPANY
VACA "13" FEDERAL No. 1
660' FNL & 1,880' FEL
SECTION 13-25S-33E
LEA COUNTY, NEW MEXICO

WELL DATA

TOTAL DEPTH: 15,946' **PBTD:** 14,590' **KB:** 3,387' (26' above GL)

CASING RECORD: 13-3/8" 48 lb./ft. H-40 ST&C casing set at 624'. Cmt. circ.
9-5/8" 36 & 40 lb./ft. K-55 LT&C casing set at 5,050'. Cmt. circ.
7" 26 lb./ft. S-95 & P-110 Sealock & LT&C set at 13,500'. TOC @ 8,600' by calculation (50% efficiency)

LINER RECORD: **No. 1:** 5-1/2" 20 lb./ft. S-95 Hydril set @ 14,950'. Cmt. with 200 sx. TOL @ 13,185' (squeezed liner top w/150 sx, press to 2,100, held OK).
NOTE: Sand plug pumped over Atoka perforations, top of plug @ 14,242'
No. 2: 3-1/2" 10.3 lb./ft. C-75 CS-CB set @ 15,946'. Cmt. with 150 sx. TOL @ 14,602'.

TUBING DETAIL: 2-7/8" 6.5 lb./ft. L-80 Nu-Lock T&C with seal assembly landed in Baker Model F1 permanent packer @ 13,400'. Slacked off 20,000 lbs.

PERFORATIONS: **Wolfcamp:** 13,794'-798', 13,803'-811' (6/92)

CURRENT RATE: Flowed 200 MCFD, FTP 30 psig after 3,000 gallon acid treatment.
Currently shut-in. SITP 6,700 psig.

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PROCEDURE TO RECOMPLETE IN BONE SPRING

1. Blow well down. Load the annulus with 10 PPG brine water. Load tubing with 10 PPG brine water treated with surfactant.
2. Spot sand plug across Wolfcamp perforations 13,794'-798' and 13,803'-811' pumping down 2-7/8" tubing according to the attached procedure. Let sand settle overnight.
3. Pressure test sand plug to 2,000 psig for 15 minutes.
4. Tag sand plug with slick line. Top of plug should be $\pm 13,450'$.
5. MIRU PU. ND tree, NU BOP. Pull out of Baker Model "F1" packer and circulate hole with 10 PPG brine water treated with surfactant. POH to $\pm 13,170'$ (top of 5-1/2" liner is at 13,185'). Spot sand plug at the end of the tubing and POH to $\pm 13,000'$. Let sand settle over night. Lower tubing and tag top of sand plug ($\pm 13,150'$). TOH.
6. Rig up cased hole service. Make one dump bailer run to place cement on top of sand plug. RIH with 7" CIBP on electric line and set @ $\pm 13,100'$. Pressure test CIBP to 5,000 psig for 15 minutes.
7. Pressure 7" casing to 1,500 psig, then run CBL-CCL-GR from 13,100' (top of CIBP) over minimum footage (at least 2,000'). Evaluate CBL. If bond is OK, proceed to next step. If not, remedially cement 7" casing.

RECEIVED

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MR. HOBBS OFFICE