

**Workover Procedure
State "32" Com No. 1
1000' FNL & 1000' FWL
Sec 32, T20S, R25E
A.F.E. 536**

Objective: Recomplete to Wolfcamp

KB: 15 above GL

Completed 3-15-74

TD: 9,700'

PBTD: 9,265'. CIBP @ 9300' with 35' Class "H" on top; 1-13-00.

Casing: 13-3/8" 61#/ft @ 209' cmt w/200 sx Lite + 100sx "C"+4 yds rdy mix.

8-5/8" 24# & 32#/ft @ 3242'w/1000sx Lite+25sx "C" Cir 5 bbls cmt.

**4-1/2" 11.6#/ft N-80, J&K-55 (middle 4700' is K&J)@ 9,696' w/700 sx "C". TOC
6660' by temp.**

Perfs: Strawn 8772'-8777', 8584'-8587', 8543'-8548' 2JSPF, Tot 29 holes

Pkr: 4-1/2" Arrowset I 10K @ 8479'

Tbg: 269 jts 2-3/8" EUE 8rd N-80

1. RUPU. Kill well with 35 bbls 3% KCL water containing packer fluid and ½ gpt BJ's ClayMaster 5C.
2. ND x-mas tree, install BOP.
3. Release packer and POW w/2-3/8" 8rd EUE N-80 tubing and 4-1/2" X 2-3/8" Arrowset I 10K packer.
4. RU wireline lubricator. Run and set CIBP (4-1/2" 11.6#/ft csg) 8500'. Spot 35' class "H" cement on CIBP with dump bailer for PBTD 8465'. Run GR/CCL 8000'-6400'.
5. RIW w/SN, Mechanical Collar Locator and 2-3/8" 8rd EUE N-80 tubing to 7084'. Spot 500 gal 15% NEFE triple inhibited HCL acid. POW w/tubing.
6. RIW w/2-3/8" 8rd EUE N-80 tubing and 4-1/2" X 2-3/8" Arrowset I 10K packer to +/- 7,000'.
7. RU pump truck. Reverse 12 bbls with 3% KCL and packer fluid to place acid in tubing. Set packer.
8. ND BOP, NU wellhead landing tubing with packer in 12,000 lbs compression.
9. RU wireline company and 5000 psi lubricator. Perforate Wolfcamp with 1-11/16" strip gun 2 JSPF at 7464'-7484' (41 holes) by Schlumberger Compensated Neutron-Formation Density log dated 1-30-74.
10. Displace 500-gal spot acid with pump truck. Max pressure 7500 psi.