



## SUMMARY REPORT

4/2/98

## HAPPY VALLEY '4' FED #22

11/12/97 Days- 84; Depth- 11855; TOH AFTER ROLLING HOLE OVER; TD Basal Lower Morrow; TOH AFTER ROLLING HOLE; MW- hole; Vis- loaded; PV/YP- with; Gels- 4% KCL; Bit#- 14 rerun; SN- A17369; Size- 3 3/4; Mfg- wolmac; Type- 1T; Jets- center; In- used to; Out- displ KCL; T/B/G- 4/5/in; BHA(ft)- 1.59; BHA as follows 3 3/4 bit .30 bit sub 1.29 377 jts tbg 11823.97 KB 6' total 11831.56 tagged 18' up @; 11813.56; 0700 hrs- No Pressure on csg. Open well up. Run in 3 stands of 2 7/8 DC & laid down. Released all Davis Tool Equip, except BOP & closing unit. Rig up jet line to reserve & anchor. TIH 3 3/4 bit & tbg (377 jts). 8 jts out. (tagged liner top 10' in on 286th jt). Tagged @ 11813.56. PU to 11808.56 & reversed out as follows: Dowell pumped 21.4 brls of wtr, followed by 21.38 brls of chemical wash, followed by 32.33 brls of wtr, followed by 20.06 brls of chemical wash, followed by 88.32 brls of wtr, followed by 402.5 brls of 4% KCL wtr. Shut down & TOH to 8782. Close pipe rams & load hole & tubing. Shut TIW & pressure up on casing to 200#. Casing gauge 200#, tbg gauge 275#. SDFN @ 1830 hrs @ 0700 hrs 11/12/97 csg @ 200#, tbg @ 300#.

DMC-\$ 0 TMC-\$ 63,409 TDC-\$ 14,266 CWC-\$ 1,269,878 CMIC- KJ

11/13/97 Days- 85; TD- 11856; PBTD- 11813; SET PKR; Csg- 4 1/2 13.5# 8933'-11856; Tbg- 2 3/8"; Continue out hole w/tbg bit sub bit. RU Hydrostatic pipe service tested tbg in hole to 10,000# above slips. RIH w/re entry guide (ID 1.99), No go nipple (1.791), 1-6' 2/38" sub, Haliburton 4 1/2"x2 3/8" PIS Pkr (1.875 profile 11.6-13.5#) w/on/off tool (1.875) & 371 jts 2 3/8" N-80 tbg RD Hydrostatic pipe service. Set Pkr @ 11643.06 w/15 pts. Close well in SDON.

DWC-\$ 9,139 CWC-\$ 1,279,017 CMIC- CD

11/14/97 Days- 86; TD- 11856; PBTD- 11813; TESTING TBG & PACKER; Csg- 4 1/2 13.5# 8933'-11856; Tbg- 2 3/8"; BOPD- 0; MCF/D- 0; BWPD- 0; Waited on pump truck. RU BJ Services. Pressure up on tbg & pkr to 10,000#. Pressure fell off 200# in 1 min. Bled off pressure. Pressure up to 10,000# connections leaking, replaced connections. Pressure up to 10,000# pressure fell off. Bled off pressure. Pressure up to 10,000# csg pressure 200# 2" valve leaking around stren, 15 min tbg 8870, csg 260# 20 min, tbg 8736, csg 295, 25 min, tbg 8539, csg 300#, 30 min, tbg 8327, csg 310#. RD BJ Services. Shut in. SDON.

DWC-\$ 5,034 CWC-\$ 1,284,051 CMIC- CD