



SUMMARY REPORT

4/2/98

HAPPY VALLEY '4' FED #22

11/09/97 Days- 81; Depth- 11855; CLEANED OUT 4 1/2 LINER; TD Basal Lower Morrow; CLEANED OUT 4 1/2 LINER; MW- 10.2; Vis- 38; Bit#- Rerun 14; SN- A17369; Size- 3 3/4; Mfg- Walmac; Type- 1T; Jets- center; In- 11458.5; Out- 11812; Ftg- 353.5; Hrs- 3 1/4; Ft/Hr- 108.76; T/B/G- 4/5/in; WOB- 2; RPM- slow; BHA(ft)- 176.60; BHA as follows: 3 3/4 bit .30 bit sub 1.29 6-2 7/8 DC 173.95 xo 1.06 total BHA 176.60; 0630 hrs-Above liner @ 8900', no pres on tbg or csg, open well, TIH, roll bit into liner top @ 8962', TIH to 11383, rig up stripping rubber, TIH to 11470', PU power swivel & add oil to case, reverse circ @ 11470', commenced drlg @ 11473, 2K, picked up SL torque @ 11483, reamed each joint back down, drilled to 11812' TD, SL torque all the way to landing collar, reamed every joint back down, avg penetration rate 10-20 minutes per joint, total of 3 hours to drill cement f/11473-11812', circ & clean hole 45 minutes, lay down power swivel & TOH, shut well in & SDFN (1530 hrs). KB 6.00. BHA 176.60. 371 jts tbg 11634.26. 11816.86 with 4' up = 11812.86 TD.
TMC-\$ 63,409 TDC-\$ 2,775 CWC-\$ 1,247,367 CMIC- KJ

11/10/97 Days- 82; Depth- 11855; RUN CMT BOND LOG THIS AM; TD Basal Lower Morrow; RUN CMT BOND LOG THIS AM; MW- 10.2; Vis- 38; Shut down for day Sunday 11-9-97. Will run cmt bond log this AM.
TMC-\$ 63,409 TDC-\$ 445 CWC-\$ 1,247,812 CMIC- KJ

11/11/97 Days- 83; Depth- 11855'; ROLL HOLE OVER 4% KCL THIS AM; TD Basal Lower Morrow; MW- 10.2; Vis- 38; 0700 hrs-No pressure on csg, open well up, rig up Wedge Wireline & run CBL, Gamma Ray f/11812-surface. Lost 150# string weight going into liner to, logging tool. Cement job looked good in 4 1/2" liner. Rig down Wedge @ 1630 hrs. Close well in. SDFN @ 1800 hrs. Will roll over hole @ noon today, 4% KCL.
TMC-\$ 63,409 TDC-\$ 7800 CWC-\$ 1,255,612 CMIC- KJ