



SUMMARY REPORT

4/2/98

HAPPY VALLEY '4' FED #22

10/14/97

Days- 55; Depth- 11855; FTG- 0; WOC-IN HOLE @7620 RERUN BIT #6; TD Basal lower morrow; WOC IN HOLE @ 7620/RERUN BIT 6; MW- 10.4+; Vis- 42; Liner- 5 1/2; Stroke- 16; Bit#- 6 re run; SN- LH2298; Size- 6 1/8; Mfg- STC; Type- FDS; Jets- 1-13,2-20; In- 8633; 1 hr-Rig up casers & lay down machine; 4 hrs-Pick up & run 4 1/2" liner as follows: Bailer double valve float shoe 1.77'; 1 Shoe jt 4 1/2", 13.5#, S95, R-3 ST&L flushline csg 37.40'; Baker landing collar .85; 64 joints of 4 1/2", 13.5#, S95, ST&L R-3 Flushline csg 2865.36'; Baker xo Bushing 1.53'; Baker liner hanger 4.24'; and baker setting sleeve 11.44'. Total liner = 2922.59'. Pump thru liner at start & fill on run; 1/2 hr-Pick up total liner & circ rig down casers & lay down machine; 4 1/2 hrs-Strap in hole/liner & DP breaking circ every 1000' run; 1/4 hr-@ 11847.95 pick up 1 jt 3 1/2 JF DP & cement head & lines; 1/4 hr-Circ/rig pump & tagged up @ 11857.95 (SLM) hung liner @ 11855.95 (SLM) top of liner @ 8933.36'. All depths from KB; 2 1/2 hrs-Circ & cond mud; 1 hr-Cement/Schlum-Dowell as follows: pumped 10 brls of H2o, followed by 20 brls of mud push at 11.13 lb/gal, followed by 20 brls of H2o; followed by 350 sxs (75 brl slurry) of class 'H'/15.6 lb/gal, yield 1.2/2 gal/sx of D600 (gas block) .2 gal/sx M-45 (antifoam) 3% D44 (salt) by weight of water/ .3% D-800 (retarder). Dropped plug & displaced/40 brls of H2o, followed by 62 brls mud. Total disp fluid 102 brls. Landed plug @ 8 PM 10-13-97. Float held OK. Good circ thru job. Lift psi avg 1270#. Maximum lift 2340#. Bumped plug to 2460#. Moreco Mud Logger released 10-12-97, Callaway H2S released 10-13-97, Released centrifuge 10-13-97; 1/4 hr-Pull 3 stands & 1 jt 3 1/2 DP; 3/4 hr-Rig up & reversed out-Recovered 10 brls of H2O-20 brls mud push-10 brls of H2O-Then drilling mud at 4 brl/minute/450#; 4 1/2 hrs-Rig down Dowell & TOH; 3 1/2 hrs-TIH/rerun bit #6 to 7620'; 1 hr-WOC. Top of liner 8933.36. Est Top of cement 8633.36.

DMC-\$ 0 TMC-\$ 63,099 TDC-\$ 53737 CWC-\$ 1,093,786 CMIC- KJ