



SUMMARY REPORT

4/2/98

HAPPY VALLEY '4' FED #22

09/08/97 Days- 19; Depth- 7116; FTG- 374; DRILLING; lime 100%; DRILLING; MW- 9.1; Vis- 28; pH- 11.5; WL- NC; Sand- TR; Solids- .7; Chls- 84,000; Calc- 1960; Liner- 5 1/2; Stroke- 16; SPM- 64; Press- 1625; GPM- 300; NV- 290; AVDP- 130; DEV- 3/4 @ 6800; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Ftg- 2212; Hrs- 133.5; Ft/Hr- 16.6; WOB- 50K; RPM- 65; BHA(ft)- 661.97; 4 hrs-Drlg; 1/4 hr-Serv rig; 1 3/4 hrs-Drlg-incr spm to 64, PP 1625#; 3/4 hr-Survey 3/4 degree @ 6800'; 17 1/4 hrs-Drlg/50K & slowed rotary to 60 due to daywork contract. BG gas 350-500 u. Con gas 600 u.

DMC-\$ 354 TMC-\$ 6,437 TDC-\$ 15254 CWC-\$ 332,208 CMIC- KJ

09/09/97 Days- 20; Depth- 7436; FTG- 320; CHAIN OUT OF HOLE FOR WASH OUT; 100% lime; CHAIN OUT OF HOLE FOR WASH OUT; MW- 9.0+; Vis- 28; pH- 11.0; WL- NO; Sand- TR; Solids- .9; Chls- 82,000; Calc- 1880; Liner- 5 1/2; Stroke- 16; SPM- 54; Press- 2000; GPM- 250; NV- 363; AVDP- 110; DEV- 1 @ 7290; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Ftg- 2532; Hrs- 154; Ft/Hr- 16.4; WOB- 50K; RPM- 60; BHA(ft)- 661.97; 1/4 hr-Serv rig; 1 hr-Drlg; 1/4 hr-Check flow H2s alarms sounded - no flow @ 7134; 4 1/2 hrs-Drlg; 1 3/4 hrs-Drop ball at 7208; 1/4 hr-Pump repair liner in & 1 pump @ 7231'; 1/4 hr-Drlg/#2 pump, 1575# off bttm, 1675# on bttm; 1/4 hr-Pump repair - #1 pump back in hole PP 1975, SPM 55; 6 hrs-Drlg; 1 hr-WLS 1 degree @ 7290; 7 hrs-Drlg; 3/4 hr-200# psi loss, flag pipe-hole=5400' in DP; 3/4 hr-Chain out of hole for hole in DP. BG gas 450 u. Con gas 500 u. String wt 198,000.

DMC-\$ 209 TMC-\$ 6144 TDC-\$ 10275 CWC-\$ 342,483 CMIC- KJ

09/10/97 Days- 21; Depth- 7736; FTG- 300; DRILLING; Lime & Shale; DRILLING; MW- 9.0+; Vis- 28; pH- 10.5; Sand- TR; Solids- .7; Chls- 84000; Calc- 1800; Liner- 5 1/2; Stroke- 16; SPM- 60; Press- 1850; GPM- 274; NV- 303; AVDP- 120; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Out- 7436; Ftg- 2532; Hrs- 154; Ft/Hr- 16.4; T/B/G- 5/5/in; WOB- 50K; RPM- 60; BHA(ft)- 661.97; Bit#- 5; SN- C67YK; Size- 8 3/4; Mfg- HTC; Type- ATJ44C; Jets- 2-11's 1-12; In- 7436; Ftg- 300; Hrs- 14 1/2; Ft/Hr- 20.6; WOB- 50; RPM- 60; BHA(ft)- 661.97; 3 1/4 hrs-Chain out of hole for crack in DP crack at 5396'; 1/4 hr-Work pipe & blind rams; 1/4 hr-Pick up Bit #5 & 1 DC & TIH; 3/4 hr-Work annular- Annular would not open completely, clean & oil rubber - OK; 2 1/2 hrs-TIH; 1 hr-Rig up rotating head & install; 1/2 hr-TIH; 1 Hr-Wash 80' to bttm - no fill; 14 1/2 hrs-Drlg. Lag 69 minutes. BG gas 300-400 u. Con Gas 500-600 u. Trip Gas 1244 units.

DMC-\$ 276 TMC-\$ 6300 TDC-\$ 15052 CWC-\$ 357,535 CMIC- KJ