



SUMMARY REPORT
4/2/98

HAPPY VALLEY '4' FED #22

09/23/97 Days- 34; Depth- 9952; FTG- 342; DRILLING; wolfcamp 100% shale; DRILLING; MW- 9.9+; Vis- 28; pH- 8.0; WL- NC; Solids- 1; Chls- 180,000; Calc- 1800; Liner- 5 1/2"; Stroke- 16"; SPM- 44; Press- 2175; GPM- 204; NV- 99; AVDP- 203; AVDC- 344; DEV- 2 3/4 @ 9631; Bit#- 7; SN- G97YY; Size- 6 1/8"; Mfg- HTC; Type- STR30C; Jets- 3-18's; In- 9171'; Ftg- 781; Hrs- 52; Ft/Hr- 14.7; WOB- 30/25; RPM- 50/60/65; BHA(ft)- 1110.94'; 4 1/2 hrs-Drlg @ 9610', 6-10' flare-incr rpm to 60 at 9640'; 1 hr-WLS @ 9631; 17 3/4 hrs-Drlg. Note: 6 brl gain & 20' flare (survey gas) for 12 minutes-lost 300# pump pressure; 1/4 hr-Check flow @ 9941'-negative-drlg break @ 9938'; 1/2 hr-Drlg to 9952.

DMC-\$ 199 TMC-\$ 9,499 TDC-\$ 10122 CWC-\$ 680,663 CMIC- KJ

09/24/97 Days- 35; Depth- 10179; FTG- 227; DRILLING/2' FLARE; Wolfcamp Shale 100% shale; DRILLING; MW- 10.0+; Vis- 36; PV/YP- 8/8; Gels- 3/5; pH- 10; WL- 12; Cake- 1; Sand- TR; Solids- 1.1; Chls- 174k; Calc- 160; Liner- 5 1/2; Stroke- 16; SPM- 46; Press- 1600; GPM- 213; NV- 99; AVDP- 205; AVDC- 350; DEV- 2 3/4 @ 9945; Bit#- 7; SN- G97YY; Size- 6 1/8"; Mfg- HTC; Type- STR30C; Jets- 3-18's; In- 9171'; Ftg- 1008; Hrs- 74 3/4; Ft/Hr- 13.5; WOB- 25/28; RPM- 65; BHA(ft)- 1110.94'; 2 hrs-Drlg; 1 1/4 hrs-WLS @ 9945; 3 1/2 hrs-Drlg. Note: survey gas gained 14 brls, 300# loss of pump press-25' flare-start mudding up @ 10025' @ 12 noon 9-23-97; 1/4 hr-Pump repair; 1 1/2 hrs-Drlg; 1/2 hr-Pump repair; 3 1/2 hrs-Drlg/3' flare; 1/4 hr-Rig repair; 11 1/4 hrs-Drlg. BG gas-1000-1300/2'flare. Con Gas-1500/2'flare. Str wt 179K. Spr-25 spm 625#.

DMC-\$ 7467 TMC-\$ 16,966 TDC-\$ 20313 CWC-\$ 700,976 CMIC- KJ