



SUMMARY REPORT

4/2/98

HAPPY VALLEY '4' FED #22

09/04/97 Days- 16; Depth- 5585; FTG- 310; DRILLING; LM; DRILLING; MW- 8.7; Vis- 28; pH- 12.0; Chls- 66,000; Liner- 5 1/2"; Stroke- 16; SPM- 60; Press- 1350; GPM- 320; DEV- 3/4 @ 5360; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Ftg- 681; Hrs- 39 1/2; Ft/Hr- 16; WOB- 50K; RPM- 54; BHA(ft)- 661; 4 1/2 hrs-Drlg f/5275-5370'; 5 1/2 hrs-Trip for hole. Found hole @ 104th jt & 115 jt; 1/2 hr-Wash 30' to btm; 2 hrs-Drlg f/5370-5402'; 1/2 hr-Survey @ 5360'; 11 hrs-Drlg f/5402-5585'.

DMC-\$ 202 TMC-\$ 5,116 TDC-\$ 8714 CWC-\$ 288,017 CMIC- GS

09/05/97 Days- 16; Depth- 5975; FTG- 390; DRILLING; LM & SH; DRILLING; MW- 8.9; Vis- 28; pH- 12.0; Chls- 75,000; Liner- 5 1/2; Stroke- 16; SPM- 60; Press- 1425; GPM- 320; DEV- 1 3/4 @ 5830; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Ftg- 1071; Hrs- 63; Ft/Hr- 12; WOB- 50K; RPM- 54; BHA(ft)- 661; 15 hrs-Drlg f/5585-5871'; 1/ hr-Survey @ 5830; 8 1/2 hrs-Drlg f/5871-5975'.

DMC-\$ 215 TMC-\$ 5332 TDC-\$ 11132 CWC-\$ 299,149 CMIC- GS

09/06/97 Days- 17; Depth- 6340; FTG- 365; RUNNING WIRE LINE SURVEY; LIME TR SHALE; RUNNING WIRE LINE SURVEY; MW- 9.0; Vis- 28; pH- 10.5; WL- nc; Sand- TR; Solids- .6; Chls- 84,000; Calc- 1880; Liner- 5 1/2; Stroke- 16; SPM- 60; Press- 1400; GPM- 278; NV- 266; AVDP- 120; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Ftg- 1436; Hrs- 86 3/4; Ft/Hr- 16.5; WOB- 50K; RPM- 54; BHA(ft)- 661.97; 23 3/4 hrs-Drlg f/5975-6340'; 1/4 hr-WLS. Background gas 300-400. Con gas 600-800.

DMC-\$ 358 TMC-\$ 5691 TDC-\$ 8548 CWC-\$ 307,697 CMIC- KJ

09/07/97 Days- 18; Depth- 6742; FTG- 402; DRILLING; 50 % lime 30 % ss 20 % sh; DRILLING; MW- 9.1; Vis- 28; pH- 11; WL- nc; Sand- TR; Solids- .5; Chls- 75,000; Calc- 1800; Liner- 5 1/2; Stroke- 16; SPM- 60; Press- 1425; GPM- 278; NV- 266; AVDP- 120; DEV- 1 1/4 @ 6300; Bit#- 4; SN- LN0249; Size- 8 3/4; Mfg- STC; Type- F47H; Jets- 3-12's; In- 4904; Ftg- 1838; Hrs- 110 1/2; Ft/Hr- 16.6; WOB- 50K; RPM- 65; BHA(ft)- 661.97; 1/4 hr-WLS 1 1/4 degree @ 6300'; 23 3/4 hrs-Drlg f/6340-6742'; Increase rotary to 65. BG gas 300-350. Con gas 600. Str wt 183,000. 4 loads Brine. 525 bbls.

DMC-\$ 392 TMC-\$ 6,083 TDC-\$ 9257 CWC-\$ 316,954 CMIC- KJ