



SUMMARY REPORT

12/9/97

HAPPY VALLEY 29-23

07/08/97 Days- 17; Depth- 3731'; FTG- 593'; DRILLING; Limestone; MW- 8.8; Vis- 29; pH- 10; WL- 16; Cake- Film; Sand- Trace; Solids- .8; Chls- 58,000; Calc- 1400; Liner- 5 1/2"; Stroke- 18"; SPM- 44; Press- 900; GPM- 276; DEV- 1 1/2 @ 3168; 1 @ 3417; 1 @ 3636; Bit#- 6; SN- 006478; Size- 7 7/8"; Mfg- WM; Type- 52CHF; Jets- 3-13's; In- 1652'; Ftg- 2079'; Hrs- 71; Ft/Hr- 29; WOB- 40K; RPM- 60; BHA(ft)- 778'; 1 3/4 hrs-Drlg f/3138-3195'; 3/4 hr-Survey @ 3168'; 3/4 hr-Rig service; 1 1/4 hrs-Rig repair; 7 hrs-Drlg f/3195-3449'; 1/2 hr-Survey @ 3417'; 9 hrs-Drlg f/3449-3668'; 1/2 hr-Survey @ 3636'; 2 1/2 hrs-Drlg f/3668-3731'.

DMC-\$ 0. TMC-\$ 6,209 TDC-\$ 9098. CWC-\$ 267,005 CMIC- GS

07/09/97 Days- 18; Depth- 4199; FTG- 468; DRILLING; SD; MW- 8.8; Vis- 30; PV/YP- 4/2; pH- 10; WL- 22; Cake-Film; Sand- TR; Solids- 7; Chls- 56,000; Calc- 1400; Liner- 5 1/2; Stroke- 18; SPM- 44; Press- 1000; GPM- 276; DEV- 1 1/4 @ 3886; 3/4 @ 4104; Bit#- 6; SN- 006478; Size- 7 7/8"; Mfg- WM; Type- 52CHF; Jets- 3-13's; In- 1652'; Ftg- 2547'; Hrs- 92; Ft/Hr- 25; WOB- 40K; RPM- 60; BHA(ft)- 778'; 6 1/4 hrs.-Drlg f/3731-3918'; 3/4 hrs.-Survey 1 1/4 @ 3886'; 3 1/4 hrs.-Drlg f/3918-3981'; 1 3/4 hrs.-Rig repair; 9 hrs.-Drlg f/3981-4136'; 1/2 hr.-Survey 3/4 @ 4104'; 2 1/2 hrs.-Drlg f/4136-4199'.

DMC-\$ 590 TMC-\$ 6,799 TDC-\$ 7228 CWC-\$ 274,233 CMIC- GM

07/10/97 Days- 19; Depth- 4636'; FTG- 437'; DRILLING; Sand & Shale; MW- 8.8; Vis- 30; PV/YP- 1/2; pH- 10; WL- 20; Cake- Film; Sand- Trace; Solids- .8; Chls- 52,000; Calc- 1400; Liner- 5 1/2"; Stroke- 18"; SPM- 44; Press- 1000; GPM- 276; DEV- 1 @ 4385; Bit#- 6; SN- 006478; Size- 7 7/8"; Mfg- WM; Type- 52CHF; Jets- 3-13's; In- 1652'; Ftg- 2984'; Hrs- 114.75; Ft/Hr- 19; WOB- 40K; RPM- 60; BHA(ft)- 778'; 11 1/4 hrs-Drlg f/4199-4416'; 3/4 hrs-Survey @ 4385'; 7 hrs-Drlg f/4416-4563'; 1/2 hr-Rig Service; 4 1/2 hrs-Drlg f/4563-4636'.

DMC-\$ 292. TMC-\$ 7,091 TDC-\$ 8715. CWC-\$ 282,948 CMIC- GS

07/11/97 Days- 20; Depth- 5000'; FTG- 364'; TOO H FOR LOGS; Limestone; MW- 9.1; Vis- 31; PV/YP- 5/2; pH- 10; WL- 9; Cake- Film; Sand- Trace; Solids- .8; Chls- 108,000; Calc- 1680; Liner- 5 1/2"; Stroke- 18; SPM- 44; Press- 1000; GPM- 276; DEV- 1 @ 4635; Bit#- 6; SN- 006478; Size- 7 7/8"; Mfg- WM; Type- 52CHF; Jets- 3-13's; In- 1652'; Out- 5000'; Ftg- 3348'; Hrs- 133.25; Ft/Hr- 19; WOB- 45K; RPM- 60; BHA(ft)- 778'; 1 1/4 hrs-Drlg f/4636-4670'; 1/2 hr-survey @ 4635'; 17 1/4 hrs-Drlg f/4670-5000'; 1 3/4 hrs-Circ; 1/4 hr-Drop Totco; 3 hrs-TOOH for logs.

NOTE: TD 7 7/8" hole @ 5000', 12:00 AM, 7/11/97.

DMC-\$ 1081. TMC-\$ 8,172 TDC-\$ 7439. CWC-\$ 290,387 CMIC- GS