



SUMMARY REPORT

12/9/97

HAPPY VALLEY 29-23

06/28/97 Days- 7; Depth- 2029'; FTG- 169'; TIH W/BIT #5; AIR DRILLING; MW- 3400 cfm; Vis- 60; Liner- None; Bit#- 4; SN- A23695; Size- 11"; Mfg- Mission; Type- Hammer; In- 355; Out- 1029'; Ftg- 674'; Hrs- 16; Ft/Hr- 42; WOB- 8K; RPM- 20; BHA(ft)- 367; Bit#- 5; SN- 108579; Size- 11"; Mfg- Varrel; Type- ETD527CH; Jets- 3-12's; In- 1029'; BHA(ft)- 756; 5 1/4 hrs-Rig repair (replace hydraulic pump); 1 3/4 hrs-TOOH w/hammer bit for choke change; 3 1/2 hrs-Install rotating rubber & TIH w/same bit; 5 1/2 hrs-Drlg f/860-1026'; 1/2 hr-Rig repair (air motor); 1/2 hr-Drlg f/1026-1029' & stopped making hole; 2 1/2 hrs-TOOH & laid dn hammer bit; 1 3/4 hrs-WO delivery of tri-cone bit; 2 3/4 hrs-TIH w/bit #5.

NOTE: Released air drilling equipment @ 8:00 AM, 6-28-97.

DMC-\$ 2400. TMC-\$ 2400 TDC-\$ 17,650. CWC-\$ 136,321 CMIC- GS

06/29/97 Days- 8; Depth- 1504'; FTG- 475'; WORK STUCK PIPE; Fresh Water Sands; MW- 8.4; Vis- 27; pH- 7.0; Chls- 600; Calc- 200; Liner- 5 1/2"; Stroke- 18"; SPM- 46; Press- 650; DEV- 1 @ 1004'; 1 3/4 @ 1412; Bit#- 5; SN- 108579; Size- 11"; Mfg- Varrle; Type- ETD-527-CH; Jets- 3-12's; In- 1029'; Ftg- 475'; Hrs- 14 1/4; Ft/Hr- 33; 3/4 hr-TIH w/bit #5; 2 1/4 hrs-Split flowline & prime mud pumps; 1 hr-Mix mud sweep-no circ; 2 1/2 hrs-Mix mud; 3/4 hr-Pump LCM pill; 1 1/4 hrs-WLS @ 1004'; 12 3/4 hrs-Drlg f/1029-1443' w/no returns - 4 trucks hauling water; 1 3/4 hrs-Drlg f/1443-1504' w/no returns; 1/4 hr-WLS @ 1412'; 1 hr-Work stuck pipe @ 1504'. Spot 5 gals of soap @ BHA. Pulled 145 pts over string weight.

DMC-\$ 1443. TMC-\$ 3,843 TDC-\$ 12,498. CWC-\$ 148,819 CMIC- GS

06/30/97 Days- 9; Depth- 1504'; FTG- 0'; FISHING STUCK PIPE; Fresh Water Sands; Liner- 5 1/2"; Stroke- 18; Bit#- 5; SN- 108579; Size- 11"; Mfg- Varrle; Type- ETD-527-CH; Jets- 3-12's; In- 1029'; Ftg- 475'; Hrs- 14 1/4; WOB- Stuck; 3 1/2 hrs-Rig repair & work stuck pipe; 1/2 hr-Pump sweep; 3 hrs-WO on wireline truck; 2 3/4 hrs-Ran free point. Bottom DC stuck, backed off drill string @ 1407'. Left the 11" bit, 1-8" DC & XO in hole; 4 hrs-TOOH & WO fishing tools; 2 1/4 hrs-PU & RIH w/screw in sub, bumper sub, jars, 25-6" DC's, accelorator & DP to fill @ 1325'; 3 1/2 hrs-Mix mud sweep & try to wash thru fill. Plugged off drill string; 3 3/4 hrs-POOH w/fishing tools, found maxi-seal plug in jars; 3/4 hr-Build mud volume.

DMC-\$ 200. TMC-\$ 4,043 TDC-\$ 9,900. CWC-\$ 158,719 CMIC- GS