



SUMMARY REPORT

4/2/98

HAPPY VALLEY '4' FED #22

09/11/97

Days- 22; Depth- 8048; FTG- 312; CHAINING OUT OF HOLE; 100% lime; CHAINING OUT OF HOLE; MW- 9.0+; Vis- 28; pH- 10.5; WL- NC; Sand- TR; Solids- .6; Chls- 80000; Calc- 1680; Liner- 5 1/2; Stroke- 16; SPM- 60; GPM- 274; NV- 303; AVDP- 120; DEV- 2 1/4 @ 7790; 1 3/4 @ 7912; Bit#- 5; SN- C67YK; Size- 8 3/4; Mfg- HTC; Type- ATJ44C; Jets- 2-11's 1-12; In- 7436; Ftg- 612; Hrs- 33 1/2; Ft/Hr- 18.2; WOB- 50/40; RPM- 60/70; BHA(ft)- 661.97; 1/4 hr-Serv rig; 1 3/4 hrs-Drlg; 1/4 hr-Serv rig; 3 3/4 hrs-Drlg; 3/4 hrs-WLS 2 1/4 degree @ 7790'; 7 1/2 hrs-Drlg reduced WOB to 40k & incr RPM to 70 3/4 hr- WLS 1 3/4 degree @ 7912; 6 hrs-Drlg/40k & 70 rpm to 8048; 1 hr-200# psi loss-pump flag-hole=5520'; 2 hrs-Chain out of hole for hole in DP. BG gas 300-350. Con gas 800. String wt 204,000. SPR: 26 SPM 350 psi.

DMC-\$ 276 TMC-\$ 6,576 TDC-\$ 11332 CWC-\$ 368,867 CMIC- KJ

09/12/97

Days- 23; Depth- 8322; FTG- 274; RIG REPAIR; 50% lime, 40% Sand, 10% Shale; RIG REPAIR; MW- 9.1; Vis- 28; pH- 10.5; WL- NC; Sand- TR; Solids- .6; Chls- 84000; Calc- 1800; Liner- 5 1/2; Stroke- 16; SPM- 69; Press- 1800; GPM- 274; NV- 303; AVDP- 120; DEV- 1 3/4 @ 8133; Bit#- 5; SN- C67YK; Size- 8 3/4; Mfg- HTC; Type- ATJ44C; Jets- 2-11's 1-12; In- 7436; Ftg- 886; Hrs- 52 1/4; Ft/Hr- 16.9; WOB- 40; RPM- 70; BHA(ft)- 661.97; 1 hr-Chain out of hole for hole in DP; 1/4 hr-Lay down cracked jt DP at 6303'; 2 hr-TIH; 1/2 hr-Wash 90' to bttm-no fill; 8 hrs-Drlg/40K & 70 RPM smart system operative @ 8175'; 1 1/4 hr-WLS @ 8133 1 3/4 degree; 10 3/4 hr-Drlg/40K, 70 RPM, 1850#, 60 SPM; 1/4 hr-Rig repair.

DMC-\$ 209 TMC-\$ 6784 TDC-\$ 8963 CWC-\$ 377,830 CMIC- KJ

09/13/97

Days- 24; Depth- 8527; FTG- 205; DRILLING; Bone Spring Sand 80% lime 20% sand; DRILLING; MW- 9.0+; Vis- 28; pH- 11; WL- NC; Solids- .5; Chls- no check; Calc- no check; Liner- 5 1/2; Stroke- 16; SPM- 61; Press- 1850; GPM- 278; NV- 303; AVDP- 120; Bit#- 5; SN- C67YK; Size- 8 3/4; Mfg- HTC; Type- ATJ44C; Jets- 2-11's 1-12; In- 7436; Ftg- 1091; Hrs- 67 3/4; Ft/Hr- 16.1; WOB- 40; RPM- 70; BHA(ft)- 661.97; 3/4 hr-Drlg; 1 hr-200# psi loss-flag pipe-hole= 6750 est trip @ 8331; 3 1/4 hrs-Chain out hole for hole in DP - crack in DP @ 7161'; 1 1/4 hr-Cut drlg line; 2 1/4 hrs-TIH; 1/2 hr-Wash 72' to bttm - 3' fill' 9 3/4 hrs-Drlg; 1/4 hr-Pump repair; 5 hrs-Drlg.

DMC-\$ 428 TMC-\$ 7,212 TDC-\$ 10291 CWC-\$ 388,121 CMIC- KJ