

HAPPY VALLEY '4' FED #22

10/12/97

Days- 53; Depth- 11850; FTG- 70; PREP TO RUN 'E'
 LOGS/SCHLUM; Basal Lower Morrow; PREP TO RUN 'E'
 LOGS/SCHLUM; MW- 10.4+; Vis- 43; PV/YP- 10/23; Gels- 9/14;
 pH- 9.5; WL- 7.2; Cake- 1; Sand- TR; Solids- 5.8; Chls-
 160,000; LCM- 2#; Calc- 180; Mix- KCL 4.5; Liner- 5 1/2;
 Stroke- 16; SPM- 44; Press- 1950; GPM- 204; NV- 99; AVDP-
 205; AVDC- 350; DEV- 3/4 @ 11850; Bit#- 8 rerun; SN- H67YF;
 Size- 6 1/8; Mfg- HTC; Type- STR 44C; Jets- 3-18; In- 11660;
 Out- 11850; Ftg- 190; Hrs- 34 3/4; Ft/Hr- 5.46; T/B/G-
 3/3/in; WOB- 28/30/28; RPM- 50; BHA(ft)- 1110.94; 1/4 hr-
 Drlg; 1/4 hr-Serv rig; 1 3/4 hrs-Drlg to 11792; 1 3/4 hrs-
 Circ drlg break 11786 to 11792/4 min/ft, 30 unit show; 1 hr-
 Drlg; 1/4 hr-Pump repair; 3/4 hr-Drlg/#2 pump; 1/4 hr-
 Pump repair; 6 1/4 hrs- Drlg to 11850/#1 pump-TD 6:30 PM 10-
 11-97; 1 1/4 hrs-Circ smpls @ 11850; 1 hr-Short trip 10
 stands; 2 hrs-Circ & condition; 1/4 hr-Drop totco; 6 1/4
 hr-TOH chain out 1st 28 stands-Strap out-wind broke tape-no
 Slm; 3/4 hr-Rig up Schlum to run platform express & TIH for
 E logs. Totals for rerun bit #8, 6 1/8", HTC STR 44C, Ser#
 1+67YF. Total FTG 562', Total hours 106 1/4 (5.28' ft/hr).

DMC-\$ 0 TMC-\$ 62,507 TDC-\$ 10550 CWC-\$ 979,468 CMIC- KJ

10/13/97

Days- 54; Depth- 11875; FTG- 25; PREP TO RUN 4 1/2 LINER;
 Basal Lower Morrow; PREP TO RUN 4 1/2 LINER; MW- 10.4; Vis-
 43; PV/YP- 10/20; Gels- 9/14; pH- 9.5; WL- 6.8; Cake- 1;
 Sand- TR; Solids- 5.7; Chls- 158000; LCM- 2#; Calc- 220;
 Mix- KCL 4.5; Liner- 5 1/2; Stroke- 16; SPM- 44; Press-
 1925; GPM- 204; NV- 99; AVDP- 205; AVDC- 350; Bit#- 8 rerun;
 SN- H67YF; Size- 6 1/8; Mfg- HTC; Type- STR 44C; Jets- 3-18;
 In- 11660; Out- 11875; Ftg- 215; Hrs- 41 1/2; Ft/Hr- 5.18;
 T/B/G- 3/6/in; WOB- 28; RPM- 50; BHA(ft)- 1110.94; Bit#- 8
 re run; SN- H67YF; Size- 6 1/8; Mfg- HTC; Type- STR 44C;
 Jets- 3-18's; Out- 11875; Ftg- 587; Hrs- 113; Ft/Hr- 5.19;
 T/B/G- 3/6/in; WOB- 28/30; RPM- 50/60; BHA(ft)- 1110.94; 3
 3/4 hrs-Logging/Platform express Laterolog/Gamma Ray &
 Density/Neutron/Gamma Ray-TD 11830'; 1/4 hr-Rig down
 Schlumberger; 3 hrs-Trip in hole/rerun bit #8; 3/4 hr-
 Broke Circ @ 9000'; 3/4 hr-TIH; 1/2 hr-Broke circ @10920;
 1/2 hr-TIH; 1/4 hr-Wash 20' to bttm no fill; 6 3/4 hr-Drlg
 to 11875' TD. TD @ 10:30 PM, 10-12-97; 2 hrs-Circ &
 condition mud; 5 hrs-TOH & Rabbit 3 1/2 DP; 1/2 hr-Rig up
 LD machine & cagers. BLM notified 10-12-97 on liner job.
 BG gas 20. Con Gas none made. Trip gas 1160. Lith: 50%
 shale, 40% sand 10% lime. Str wt 197K. Spr 900#, 25 SPM.

DMC-\$ 592 TMC-\$ 63,099 TDC-\$ 60581 CWC-\$ 1,040,049 CMIC- KJ