

HAPPY VALLEY '4' FED #22

C9/28/97

Days- 38; Depth- 10310; DRILLING, NO FLARE; Strawn, 80 % shale, 20% lime; MW- 10.2; Vis- 50; PV/YP- 15/22; Gels- 8/12; pH- 8.5; WL- 8; Cake- 1; Sand- tr; Solids- 2; Chls- 174K; Calc- 100; Liner- 5.5; Stroke- 16; SPM- 45; Press- 1625; GPM- 210; NV- 99; AVDP- 205; AVDC- 350; Bit#- 8; SN- H67YF; Size- 6 1/8; Mfg- HTC; Type- STR44C; Jets- 3-18's; In- 10195; Ftg- 115; Hrs- 21 1/2; Ft/Hr- 5.3; WOB- 20; RPM- 70; BHA(ft)- 1110.94; 1/4 hour - Close saver sub & nipple down testers.

1 hour - Close annular & circ/rig pump thru 4" choke/200# psi loss, 8 brl Gain & 15-20' flare for minutes, @ 9072'.

4 hour - TOH/test tools

1 1/4 hour - Lay down scih. Test Tools.

1/4 hour - Adjust drawwork brakes.

5 1/4 hour - TIH, rerun Bit #8.

1/4 hour - Broke circ. @ 9125/15' Flare.

1/2 hour - TIH

1/2 hour - Wash 100' to bottom 1' fill.

5 1/2 hours - Drlg 10281-10310/20K, 70 RPM, PP 1650, SPM 45/No Flare.

1 hour - Second flow (1 hour) Open tool/1" wear blow in bucket. For 15 minutes, bottom of bucket, 1/2# psi for 15 minutes, 3/4# psi, bottom of bucket for last 30 minutes. No gas to surface.

2 hour - Final shut in. No gas to surface.

1 1/4 hour - Unseat packers and chain out 13 stands into csg. to 9072'.

1/4 hour - Install saver sub & nipple up surface equip. & bails to reverse out.

3/4 hour - Drop bar to open cir sub. & revered out.

Recovered small amount of gas vapor, followed by 20 gallons of mud, followed by water cushion, followed by gas cut drlg. mud. all sent to reserve. water meter 73103.

BG Gas 400-500.

Com Gas 500

Trip Gas 1500/20' Flare

Str. Wt. 172K

SPM 675 #, SPM 25 SPM

DMC-\$ 4646 TMC-\$ 29811 TDC-\$ 20125 CWC-\$ 756,514 CMIC- kdj