

Llano 34 State Com. No. 1

DST No. 1 - Bone Springs: 10,730' - 10,800' (70'). Tool open 1 hr. 35 mins., 5 min. preflow, 1½ hrs. initial shut-in, 1½ hrs. final flow, 3 hrs. final shut-in. Tool opened w/fair blow of air and decreased to zero blow in 1 hr. Rec. 6,170' gas and 330' gas cut mud w/trace of oil. Sample chamber recovered: 0.48 cu. ft. of gas, 10 c.c. of oil, 40 c.c. mud at 100 psi pressure. Pressures: initial hydrostatic 5793, preflow 18-18, initial shut-in 1873, final flow 12-18, final shut-in 940, final hydrostatic 5789, BHT 154° F.

DST No. 2: 11,110' - 11,155' (45'). Tool open 1 hr. 35 mins., 5 min. preflow, 1 hr. 5 mins. initial shut-in, 1½ hrs. final flow, 3 hrs. final shut-in. Tool opened with weak blow of air - steady throughout test. Rec. 4665' gas, 180' gas cut mud. Sample chamber recovered: 0.39 cu. ft. gas, 20 c.c. mud @ 85 PSI. Pressures: initial hydrostatic 5980, preflow 12-12, initial shut-in 305, final flow 10-17, final shut-in 398, final hydrostatic 5998, BHT 150° F.

DST No. 3: 11,265'-11,421' (156'). Tool open 40 mins., 10 min. preflow, 30 min. initial shut in, 30 min. final flow, 1 hr. final shut-in. Tool opened with no blow at surface throughout test. Recovered 1500' of water blanket. Sample chamber recovered: 3.8 cu. ft. gas, 15 c.c. mud @ 550 psi. Pressures: initial hydrostatic 6,089, preflow 749 - 749, initial shut-in 1,277, final flow 749 - 749, final shut-in 1,040, final hydrostatic 6,107, BHT 186° F.

DST No. 4: Strawn 11,690' - 11,792' (102'). Tool open 3 hrs., 10 min. preflow, 2 hr. initial shut-in, 2 hrs. 50 mins. final flow, 6 hrs. final shut-in. GTS in 1 hr. 5 mins., flow max 50 MCFPD @ 23 PSI on ¼" choke. Recovered 2000' water-blanket & 630' gas & dist. Pressures: Initial hydrostatic 6,838, Initial flow 958 - 940, initial shut-in 7,062, final flow 921 - 1201, final shut-in 6,932, final hydrostatic 6,857, BHT 170°.

DST No. 5: Atoka 12,173' - 12,278' (105'). Tool open 2 hrs. 50 mins., 10 min. preflow, 1½ hrs. initial shut-in, 2 hrs. 40 mins. final flow, 5 hrs. final shut-in. Tool opened with fair blow of air. Gas to surface in 1 hr. 10 mins., flow max 40 MCFPD @ 16 PSI on ¼" choke prior to declining to zero flow @ end of final flow period. Recovered 3000' of gas cut water blanket plus 200' of gas cut mud. Pressures: Initial hydrostatic 7,405, initial flow 1436 - 1491, Initial shut-in 6658, final flow 1509 - 1509 final shut-in 6879, final hydrostatic 7401, BHT 178°.

DST No. 6: Atoka 12,396' - 12,630' (234'). Tool open 2 hrs. 10 mins., 1 min. preflow, 1½ hrs. initial shut-in, 2 hrs. final flow, 4 hrs. final shut-in. Tool opened with fair blow of air. Gas to surface 24 mins. After tool opened on preflow. Max flow 60 MCFPD on ¼" choke @ 29 psi. Recovered 1000' water blanket gas cut and 280' distillate and gas cut mud. Sample chamber: 1.25 cu. ft. gas @ 425 psi, 185 cc distillate, 140 cc mud. Pressures: Initial hydrostatic 8059, initial flow 599 - 599, initial shut-in 7596, final flow 506 - 599, final shut-in 6893, final hydrostatic 7966, BHT 178°.

DST No. 7: 12,644' - 12,733' (89') Atoka. Tool open 1 hr. 20 mins. 10 min. preflow, 1 hr. 2nd flow, 10 min. 3rd flow, 1½ hr. initial shut-in, 15 min. 2nd shut-in, 2 hr. final shut-in. Open tool with very weak air blow on preflow. No blow during 2nd & 3rd flow periods. Recovered 3000' water blanket plus 30' mud. Sample Chamber: 0.3 cu. ft. gas, trace oil, 500 cc mud @ 75 psig. Pressures: Initial hydrostatic 8148, initial flow 1472-1472, initial shut-in 2410, 2nd flow 1472-1472, 2nd shut-in 1528, final flow 1454-1454, final shut-in 1822, final hydrostatic 8056, BHT 179°.