

DST SUMMARY
MERRITT STATE NO. 1

DST NO. 1 10,026'-10,082' (Bone Spring)

Opened on 30" PF with strong blow - decreased from 3.8 psi to 2.0 psi at end of flow on bubble hose. SI 90". Reopened on 30" FF with strong blow on 1/4" choke - decreased from 1½ psi to 0.2 psi at end of flow. SI 120". Recovered 2,525' GIDP & 350' G&OCMD. Sampler had 0.4 CFG and 2000 cc of OCM at 80 psi. BHT 151°.

IHH 4717 psi
30" PF 95-115 psi
90" ISI 138 psi
30" FF 92-115 psi
120" FSIP 115 psi
FHH 4695 psi

DST NO. 2 10,025'-10,238' (Bone Spring)

Opened on 31" PF with strong blow - had max of 16 psi on bubble hose. GTS in 35". SI 89". Reopened on 90" final flow with strong blow (2 psi on 1/4" choke) increased to 4 psi but decreased to 3 psi at end of flow period. Had 4-6' flare during final flow. SI 180". Drilling break from 10,124'-10,188'. Broke from 8-10"/ft to ½-4"/ft -- 24' drilled 2"/ft or less, 50' drilled 3"/ft or less. Fair-good porosity, fluor & cut - 450 unit gas increase.

DST NO. 3 12,382'-12,545' (Morrow)

2500' WB 10 pre flow - opened on weak blow - no change - 90" SI, 120" FF - reopened w/weak blow - held for 55" and slightly increased during remainder of flow period, 240" SI - GTS in 37" after closing tool. 2500' WB - recovered 2750' of GCWB & DM. Sampler had 300 cc mud + 2 CFG at 700 psi. IHH 6513, 10" PF 1316-1353, 90" ISI 3623, 120" FF 1353-1353, 240" FSI 3134, FHH 6513, BHT 175°.

DST NO. 4 10,096'-10,139' (Straddle test - WOLFCAMP)

Attempted to set hookwall but missed on first try - successful on 2nd attempt (estimated 250' of mud in tools) Opened on 30" PF with weak blow (2" into bucket) increased slightly to 4" and held. SI 90". Reopened on 30" FF - dead. SI 60". IHH 5376, 30" PF 364-401, 90" ISI 2295, 30" FF 401-401, 60" FSI 1497, FHH 5283, Sample chamber had 2400 cc DM at zero psi, BHT 153°.