

Simpson Trading Post Prospect
 NENW, Section 16, T27N R12W
 San Juan County, New Mexico
 Estimated TD 7,000' - Dakota Formation

7/09/79 - (continued) on bit. Started drlg for 3½ hrs. 850 psi on pump. 94 strokes per min w/6" liners. Bit jets 12/32, 12/32 & 12/32. RPM 55, WOB 30,000#. Core #1 from 5,892' - 5,914', Graneros Sandstone, cut 22', recovered 22'. Core barrel jammed @ 5,914'.

5,892' - 5,914'	Sandstone, very fine grain, silty, no shows
5,895' - 5,896'	Shale, blk, argillaceous
5,896' - 5,897'	Ss, very fine grain, slty, no shows, sh, blk, arg, interlaminated 50% ss, 50% sh
5,897' - 5,898'	Ss 60%, sh 40%
5,898' - 5,899'	Ss 70%, sh 30%
5,899' - 5,901'	Ss 50%, sh 50%
5,901' - 5,902'	Ss 20%, sh 80%
5,902' - 5,903'	Sh, blk, poker chip fracture
5,903' - 5,904'	Ss 40%, very fine grain, slty, no shows, sh 60%
5,904' - 5,909'	Ss 20%, sh 80%
5,909' - 5,910'	Sh, blk, arg
5,910' - 5,914'	Ss 20%, sh 80%

7/10/79 - 10th day rig. TD 5,994'. Dakota Formation. Made 62' in 9 hrs. WOO @ 6:00 a.m. MW 8.9, vis 50, WL 9.2, filter cake 2/32, PH 8.5, solids 4.5. Trace of sand. Recovered 60' of core. Pump pressure 1,200 psi. 80 SPM w/6" liners. 60 RPM, WOB 20,000#. Est top Kd "A" - 5,929'. Core #2 5,935' - 5,995', Cut 60', recovered 60'

5,935' - 5,937'	Ss, very fine grain, hard, tite, sli stain, no cut or fluorescence
5,937' - 5,939'	Sh, blk, carbonaceous, tr of coal
5,939' - 5,962'	Ss, very fine grain to fine grain, subrounded, siliceous, hard, tite, some vertical fractures, no shows. @ 5,945', core appeared to be bleeding wtr, sli salty taste. Sand becomes shly toward base.
5,962' - 5,972'	Sh, blk, carbonaceous, poker chip fracture
5,972' - 5,979'	Ss w/laminated sh, ss, very fine grain, very arg, burrowed
5,979' - 5,981'	Coal & sh
5,981' - 5,992'	Sh, blk, carbonaceous, tr of coal throughout, some lt gry, very arg sh
5,992' - 5,995'	Ss, wh to lt gry, very fine grain w/streaks of laminated sh, no shows

No drld gas during coring, trip gas 150 un after coring. Presently running DST #1 from 5,900' - 5,995' PTD.

7/11/79 - TD 5,994'. Dakota Formation. Circ & conditioning mud. Made no footage in 24 hrs. MW 8.7, vis 56, WL 10, 2/32 cake, PH 8.5, 3.5% solids, tr of sand. Circ & conditioning for rerun of DST #1. Could not get to bottom, had 30' fillup. 1,300 psi on pump. 94 SPM w/6" liners. Bit jets 12/32, 12/32 & 12/32.