

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

7/12/79 - Drlg @ 6,030' in Dakota Formation. Drld 26' in 2½ hrs. MW 8.9, vis 47, WL 5.2, 2/32 cake, PH 8.5, solids 3%, tr of sand. Circ & conditioned hole. Washed to bottom. 1,350 psi on pump. 94 SPM w/6" liners. Bit jets 12/32, 12/32 & a blank. 55 RPM, WOB 35,000#. Could not get to bottom w/DST #1.

7/13/79 - 13th day rig. TD 6,100'. WOO. Drld 70' in 2½ hrs. MW 8.8, vis 47, WL 5.2, 2/32 cake, PH 8.5, solids 3%, tr of sand. 1,200 psi on pump. 94 SPM w/6" liners. Bit jets 12/32, 12/32 & 12/32. 55 RPM, WOB 35,000#. Survey 1¼° @ 6,100'. Cum mud cost: \$12,450.00.

PRELIMINARY LOG ANALYSIS

	DEPTH	POROSITY AVE.	SW
Pic'd Cliffs	1,321-34	30-31%	28-32%
Dakota "A"	5,918-22	12.5	17
	5,926-32	14.0	39
	5,932-40	12.5	32
	5,940-47	14.5	40
	5,967-74	11.5	35
	5,985-92	18.0	33
Dakota "D"	6,014-33(11') (broken sand)	17.5-28.5	21-35
Burro Canyon	6,040-44	17.5-26.0	36
	6,044-56	20.5	46
	6,061'-72	15-18	40-43

Rw Pictured Cliff 0.12 @ 87°. Rw Dakota 0.16 @ 77°, 0.087 @ 148° BHT.

LOG TOPS

Fruitland	1160	+4630
Pictured Cliff	1300	+4490
Lewis	1592	+4198
Mesaverde	2146	+3644
Cliffhouse	2890	+2900
Point Lookout	3754	+2036
Mancos	4070	+1720
Gallup	4895	+895
Lower Mancos	5510	+280
Greenhorn	5752	+38
Graneros	5808	-18
Dakota "A"	5918	-128
Dakota "D"	6014	-224
Burro Canyon	6040	-250
Morrison (spl)	6095	-305

TD Driller 6,100'
TD Logger 6,088'