

SCIENTIFIC DRILLING SURVEY REPORT

Company: H&W Drilling	Date: 11/22/2001	Time: 08:28:48
Well: H&W Drilling	Client: H&W Drilling	Site: 16600 N. 1st St. N. 1st St.
Well: H&W Drilling	Yard: (H&W) Drilling	Site: 16600 N. 1st St. N. 1st St.
Well: H&W Drilling	Survey: (H&W) Drilling	Site: 16600 N. 1st St. N. 1st St.
Well: H&W Drilling	Survey Calculation Method:	Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	NS ft	E/W ft	VS ft	DLS d/100ft	ChA deg	ChD ft
7754.0	61.60	269.90	6970.6	6.7	-1199.8	1199.8	2.81	270.32	1199.8
7785.0	63.70	269.90	6984.9	6.6	-1227.3	1227.3	6.77	270.31	1227.3
7816.0	66.00	269.90	6998.0	6.6	-1255.4	1255.4	7.42	270.30	1255.4
7847.0	66.90	269.50	7010.4	6.4	-1283.8	1283.8	3.13	270.29	1283.8
7879.0	66.50	267.40	7023.1	5.6	-1313.2	1313.2	6.16	270.25	1313.2
7916.0	66.50	267.40	7037.8	4.1	-1347.1	1347.1	0.00	270.17	1347.1