

Halliburton \ Sperry-Sun Drilling Services

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Date: 08/19/1999

Survey Report

Wellpath ID: SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L		DLS
						Rectangular (ft)	Offsets (ft)	
BHA #4 @ 8049' 4 3/4" F2000S x 1/5° BEND - F37P								
8077.00	93.90	289.90	31.00	7949.41	161.90	100.76 N	161.90W	7.80
8109.00	92.00	288.50	32.00	7947.76	192.08	111.27 N	192.08W	7.37
8141.00	92.80	288.40	32.00	7946.42	222.41	121.39 N	222.41W	2.52
8172.00	94.80	287.60	31.00	7944.37	251.82	130.94 N	251.82W	6.95
8204.00	94.80	287.50	32.00	7941.69	282.23	140.56 N	282.23W	0.31
8235.00	94.20	286.90	31.00	7939.26	311.75	149.70 N	311.75W	2.73
8267.00	93.70	286.90	32.00	7937.05	342.29	158.98 N	342.29W	1.56
8299.00	92.50	287.00	32.00	7935.32	372.86	168.29 N	372.86W	3.76
8330.00	93.20	286.10	31.00	7933.78	402.54	177.11 N	402.54W	3.68
8362.00	94.60	285.40	32.00	7931.60	433.26	185.78 N	433.26W	4.89
8394.00	94.80	284.60	32.00	7928.98	464.07	194.03 N	464.07W	2.57
8425.00	94.70	284.70	31.00	7926.42	493.96	201.85 N	493.96W	0.46
8457.00	94.30	284.00	32.00	7923.91	524.86	209.75 N	524.86W	2.51
8489.00	93.30	283.30	32.00	7921.78	555.89	217.29 N	555.89W	3.81
8520.00	93.80	282.10	31.00	7919.87	586.07	224.09 N	586.07W	4.19
8553.00	94.90	280.70	33.00	7917.36	618.33	230.59 N	618.33W	5.39
8584.00	95.70	280.30	31.00	7914.50	648.68	236.22 N	648.68W	2.88
8616.00	96.20	279.50	32.00	7911.18	680.03	241.69 N	680.03W	2.94
8648.00	96.30	279.10	32.00	7907.70	711.42	246.83 N	711.42W	1.28
8679.00	96.50	278.80	31.00	7904.24	741.85	251.62 N	741.85W	1.16
8710.00	96.90	278.60	31.00	7900.63	772.29	256.28 N	772.29W	1.44
8742.00	97.00	278.20	32.00	7896.75	803.71	260.92 N	803.71W	1.28
8774.00	96.90	277.70	32.00	7892.88	835.17	265.31 N	835.17W	1.58
8806.00	97.10	277.10	32.00	7888.98	866.67	269.41 N	866.67W	1.96
8837.00	97.00	275.90	31.00	7885.18	897.23	272.89 N	897.23W	3.86
BHA #5 @ 8842' 4 3/4" F2000S x 1.83° BEND - F37P								
8868.00	97.80	275.60	31.00	7881.18	927.82	275.97 N	927.82W	2.75
8900.00	99.80	274.90	32.00	7876.29	959.31	278.86 N	959.31W	6.61
8932.00	100.60	274.50	32.00	7870.62	990.70	281.44 N	990.70W	2.79
8964.00	100.50	274.30	32.00	7864.76	1022.06	283.86 N	1022.06W	0.69
8995.00	100.80	273.70	31.00	7859.03	1052.46	285.98 N	1052.46W	2.13
9027.00	101.30	272.80	32.00	7852.90	1083.81	287.76 N	1083.81W	3.17
9059.00	101.20	271.70	32.00	7846.66	1115.17	288.99 N	1115.17W	3.39
9090.00	101.40	270.90	31.00	7840.58	1145.56	289.68 N	1145.56W	2.61
9122.00	101.30	271.00	32.00	7834.29	1176.93	290.20 N	1176.93W	0.44