

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 Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
8488.00	97.60	265.70	63.00	7838.31	696.77	53.34 N	696.77W	1.45
8551.00	96.90	266.40	63.00	7830.36	759.12	49.04 N	759.12W	1.57
8613.00	97.40	265.90	62.00	7822.64	820.50	44.91 N	820.50W	1.14
8676.00	94.60	265.90	63.00	7816.05	882.99	40.43 N	882.99W	4.44
8740.00	94.20	266.00	64.00	7811.14	946.64	35.92 N	946.64W	0.64
8803.00	94.60	265.00	63.00	7806.31	1009.26	30.99 N	1009.26W	1.71
8866.00	95.30	264.80	63.00	7800.87	1071.78	25.41 N	1071.78W	1.16
8929.00	95.90	263.60	63.00	7794.73	1134.15	19.08 N	1134.15W	2.12
8992.00	94.70	264.50	63.00	7788.91	1196.54	12.58 N	1196.54W	2.38
9056.00	93.80	264.60	64.00	7784.16	1260.08	6.51 N	1260.08W	1.41
9119.00	94.40	262.70	63.00	7779.66	1322.53	0.43 S	1322.53W	3.16
9183.00	94.10	265.30	64.00	7774.92	1386.00	7.11 S	1386.00W	4.08
BHA #3 @ 9186' 4 3/4" F2000S x 1.83° BEND - F-37-P								
9246.00	94.00	266.60	63.00	7770.47	1448.68	11.54 S	1448.68W	2.06
9308.00	93.90	267.30	62.00	7766.20	1510.45	14.83 S	1510.45W	1.14
9369.00	94.00	267.30	61.00	7761.99	1571.23	17.70 S	1571.23W	0.16
9432.00	95.30	268.00	63.00	7756.89	1633.97	20.28 S	1633.97W	2.34
9495.00	95.10	268.00	63.00	7751.18	1696.68	22.47 S	1696.68W	0.32
9558.00	94.60	268.20	63.00	7745.85	1759.41	24.55 S	1759.41W	0.85
9622.00	94.10	267.80	64.00	7740.99	1823.19	26.77 S	1823.19W	1.00
9685.00	93.20	267.40	63.00	7736.98	1886.01	29.41 S	1886.01W	1.56
9748.00	93.30	268.40	63.00	7733.41	1948.86	31.71 S	1948.86W	1.59
9812.00	93.90	269.40	64.00	7729.39	2012.72	32.94 S	2012.72W	1.82
9875.00	92.60	270.10	63.00	7725.82	2075.62	33.21 S	2075.62W	2.34
9938.00	91.40	270.40	63.00	7723.62	2138.58	32.94 S	2138.58W	1.96
10001.00	90.40	270.40	63.00	7722.63	2201.57	32.50 S	2201.57W	1.59
10065.00	89.60	270.30	64.00	7722.63	2265.57	32.11 S	2265.57W	1.26
10127.00	89.00	269.90	62.00	7723.39	2327.56	32.00 S	2327.56W	1.16
10190.00	88.50	269.60	63.00	7724.77	2390.55	32.27 S	2390.55W	0.93
10253.00	88.80	269.20	63.00	7726.25	2453.53	32.93 S	2453.53W	0.79
10316.00	88.70	268.70	63.00	7727.62	2516.50	34.09 S	2516.50W	0.81
10379.00	88.40	268.30	63.00	7729.22	2579.46	35.74 S	2579.46W	0.79
10442.00	87.90	267.80	63.00	7731.25	2642.39	37.88 S	2642.39W	1.12
10505.00	87.70	268.00	63.00	7733.67	2705.30	40.19 S	2705.30W	0.45
10568.00	87.60	267.90	63.00	7736.25	2768.21	42.44 S	2768.21W	0.22
10600.00	87.80	268.60	32.00	7737.54	2800.17	43.41 S	2800.17W	2.27