

# Hanburton Drilling Systems

## Survey Report

Page 5  
Date: 10/19/1999  
Wellpath ID: SURVEYS

Measured Depth (ft)	Incl (deg.)	Drift Dir. (qdeg)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	
9916.00	9.50	S 23.20 E	31.00	9902.79	140.19	138.98 S	24.14 E	0.32
9947.00	10.00	S 20.40 E	31.00	9933.34	145.41	143.86 S	26.09 E	2.22
9979.00	9.80	S 21.70 E	32.00	9964.86	150.89	148.99 S	28.06 E	0.94
10010.00	9.80	S 19.00 E	31.00	9995.41	156.15	153.94 S	29.90 E	1.48
10042.00	10.20	S 21.30 E	32.00	10026.92	161.70	159.15 S	31.81 E	1.77
10074.00	10.60	S 22.40 E	32.00	10058.40	167.45	164.51 S	33.96 E	1.40
10106.00	10.50	S 20.50 E	32.00	10089.86	173.28	169.97 S	36.11 E	1.13
10137.00	10.50	S 20.60 E	31.00	10120.34	178.91	175.26 S	38.09 E	0.06
10168.00	10.60	S 17.40 E	31.00	10150.82	184.58	180.62 S	39.94 E	1.92
10200.00	10.60	S 19.40 E	32.00	10182.27	190.46	186.21 S	41.79 E	1.15
10232.00	10.70	S 19.20 E	32.00	10213.72	196.37	191.79 S	43.75 E	0.33
10264.00	10.10	S 16.90 E	32.00	10245.19	202.14	197.28 S	45.54 E	2.28
10295.00	9.60	S 15.50 E	31.00	10275.74	207.44	202.37 S	47.02 E	1.79
10327.00	9.80	S 15.20 E	32.00	10307.28	212.83	207.57 S	48.45 E	0.64
10359.00	9.80	S 13.60 E	32.00	10338.81	218.28	212.84 S	49.80 E	0.85
10390.00	9.90	S 13.10 E	31.00	10369.35	223.57	218.00 S	51.03 E	0.42
10422.00	9.80	S 13.80 E	32.00	10400.88	229.04	223.33 S	52.30 E	0.49
10454.00	9.60	S 10.60 E	32.00	10432.43	234.42	228.60 S	53.44 E	1.80
10486.00	9.10	S 9.90 E	32.00	10464.00	239.59	233.71 S	54.37 E	1.60
10517.00	9.50	S 12.80 E	31.00	10494.59	244.58	238.62 S	55.36 E	1.99
10548.00	9.40	S 13.40 E	31.00	10525.17	249.66	243.58 S	56.51 E	0.45
10579.00	9.30	S 12.60 E	31.00	10555.76	254.69	248.48 S	57.64 E	0.53
10610.00	9.10	S 14.90 E	31.00	10586.36	259.64	253.30 S	58.82 E	1.35
10641.00	9.00	S 12.90 E	31.00	10616.98	264.51	258.03 S	59.99 E	1.06
10673.00	9.30	S 15.60 E	32.00	10648.57	269.59	262.96 S	61.24 E	1.64
10704.00	9.80	S 14.00 E	31.00	10679.14	274.74	267.93 S	62.56 E	1.83
BHA #3 @ 10743'	6 1/4" SPERRY-DRILL ABH - F57ODPS							
10735.00	10.50	S 13.80 E	31.00	10709.65	280.19	273.24 S	63.87 E	2.26
10766.00	11.00	S 15.70 E	31.00	10740.11	285.97	278.83 S	65.34 E	1.98
10798.00	11.10	S 17.00 E	32.00	10771.52	292.11	284.71 S	67.07 E	0.84
10829.00	11.10	S 16.80 E	31.00	10801.94	298.07	290.42 S	68.80 E	0.12
10860.00	10.70	S 17.70 E	31.00	10832.38	303.93	296.02 S	70.54 E	1.40
10892.00	10.60	S 18.60 E	32.00	10863.83	309.85	301.64 S	72.38 E	0.61
10924.00	10.00	S 16.10 E	32.00	10895.31	315.56	307.10 S	74.09 E	2.34
10956.00	9.60	S 14.50 E	32.00	10926.84	321.01	312.35 S	75.53 E	1.51
10987.00	9.00	S 13.80 E	31.00	10957.44	326.02	317.21 S	76.76 E	1.97