

Willburton Drilling System

Survey Report

Page 3

Date: 9/18/98

Wellpath ID: survey

Measured Depth (ft)	Incl (deg.)	Drift Dir. (qdeg)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		DLS (dg/100ft)
7608.00	12.70	S 72.50 W	31.00	7592.59	147.94	13.74 S	149.57W	0.21
7639.00	12.60	S 72.70 W	31.00	7622.84	154.73	15.77 S	156.05W	0.35
7670.00	12.50	S 73.60 W	31.00	7653.10	161.46	17.72 S	162.50W	0.71
7701.00	12.10	S 74.40 W	31.00	7683.38	168.06	19.54 S	168.85W	1.40
7733.00	11.50	S 74.60 W	32.00	7714.71	174.61	21.29 S	175.15W	1.88
7764.00	11.00	S 76.20 W	31.00	7745.11	180.66	22.82 S	181.00W	1.90
7794.00	11.20	S 75.60 W	30.00	7774.55	186.43	24.23 S	186.61W	0.77
7825.00	11.20	S 77.10 W	31.00	7804.96	192.45	25.65 S	192.46W	0.94
7857.00	11.60	S 75.90 W	32.00	7836.33	198.77	27.13 S	198.61W	1.45
7888.00	12.00	S 76.10 W	31.00	7866.67	205.11	28.66 S	204.76W	1.30
7918.00	12.30	S 76.20 W	30.00	7896.00	211.42	30.17 S	210.89W	1.00
7949.00	12.20	S 75.60 W	31.00	7926.30	218.00	31.77 S	217.27W	0.52
7980.00	12.50	S 74.40 W	31.00	7956.58	224.63	33.49 S	223.67W	1.27
8011.00	12.70	S 72.20 W	31.00	7986.83	231.39	35.43 S	230.15W	1.68
8042.00	12.80	S 71.60 W	31.00	8017.07	238.22	37.56 S	236.65W	0.54
8072.00	12.80	S 70.40 W	30.00	8046.32	244.85	39.72 S	242.93W	0.89
8103.00	12.70	S 70.30 W	31.00	8076.56	251.67	42.02 S	249.38W	0.33
8133.00	12.60	S 70.40 W	30.00	8105.83	258.22	44.23 S	255.56W	0.34
8164.00	12.60	S 69.50 W	31.00	8136.08	264.96	46.55 S	261.92W	0.63
8194.00	12.60	S 70.10 W	30.00	8165.36	271.48	48.81 S	268.06W	0.44
8225.00	12.70	S 70.00 W	31.00	8195.61	278.24	51.13 S	274.44W	0.33
8256.00	12.70	S 70.80 W	31.00	8225.85	285.04	53.41 S	280.86W	0.57
8286.00	12.60	S 72.00 W	30.00	8255.12	291.60	55.51 S	287.09W	0.94
8315.00	12.60	S 73.50 W	29.00	8283.42	297.92	57.38 S	293.13W	1.13
8347.00	12.60	S 75.40 W	32.00	8314.65	304.90	59.26 S	299.85W	1.30
8377.00	12.40	S 75.30 W	30.00	8343.94	311.39	60.90 S	306.13W	0.67
8408.00	12.50	S 73.70 W	31.00	8374.21	318.07	62.68 S	312.57W	1.16
8439.00	12.20	S 74.50 W	31.00	8404.50	324.70	64.50 S	318.95W	1.11
8470.00	12.10	S 75.50 W	31.00	8434.80	331.23	66.19 S	325.25W	0.75
8500.00	11.70	S 74.50 W	30.00	8464.16	337.41	67.79 S	331.23W	1.50
8531.00	11.50	S 75.00 W	31.00	8494.52	343.65	69.43 S	337.24W	0.72
8563.00	11.30	S 74.60 W	32.00	8525.89	349.97	71.09 S	343.34W	0.67
8593.00	11.30	S 72.00 W	30.00	8555.31	355.85	72.78 S	348.97W	1.70
8624.00	11.40	S 71.40 W	31.00	8585.70	361.94	74.69 S	354.77W	0.50
8655.00	11.40	S 72.80 W	31.00	8616.09	368.06	76.58 S	360.60W	0.89
8685.00	11.20	S 73.10 W	30.00	8645.51	373.93	78.30 S	366.22W	0.69