



Job Number: 11-175
 Company: Devon Energy
 Lease/Well: Sirius 17 Fed # 2H
 Location: Eddy County
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination: 7.78
 Grid: -0.22
 File name: P:\SURVEYS\DEVON\11175R3.SVY
 Date/Time: 16-May-11 / 07:41
 Curve Name: as drilled

30-015-38454

Inwell Inc

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 268.78
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00
100.00	.79	319.07	100.00	.52	-.45	.44	.79
200.00	1.30	310.88	199.98	1.78	-1.76	1.72	.53
300.00	2.14	298.98	299.93	3.43	-4.25	4.18	.91
400.00	2.95	294.38	399.83	5.40	-8.23	8.11	.83
500.00	3.71	295.35	499.67	7.85	-13.50	13.33	.76
600.00	3.52	295.12	599.47	10.53	-19.20	18.97	.19
700.00	2.98	297.79	699.31	13.05	-24.28	24.00	.56
800.00	2.78	300.74	799.18	15.50	-28.66	28.33	.25
900.00	2.62	300.64	899.07	17.90	-32.71	32.33	.16

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
1000.00	2.29	306.01	998.98	20.24	-36.30	35.86	.40
1100.00	1.98	308.03	1098.91	22.48	-39.27	38.79	.32
1200.00	1.76	309.09	1198.85	24.52	-41.83	41.29	.22
1300.00	1.73	311.94	1298.81	26.49	-44.14	43.57	.09
1400.00	1.38	350.65	1398.77	28.69	-45.46	44.84	1.08
1500.00	1.70	22.09	1498.74	31.25	-45.10	44.42	.89
1600.00	1.92	40.71	1598.69	33.90	-43.45	42.72	.62
1700.00	2.15	47.61	1698.63	36.43	-40.97	40.18	.34
1800.00	2.16	50.92	1798.56	38.88	-38.12	37.28	.12
1900.00	2.23	52.96	1898.48	41.24	-35.10	34.22	.10
2000.00	1.89	52.45	1998.42	43.42	-32.24	31.31	.34
2100.00	1.46	61.21	2098.37	45.04	-29.82	28.85	.50
2200.00	1.26	68.79	2198.35	46.05	-27.68	26.69	.27
2300.00	1.11	71.37	2298.32	46.76	-25.74	24.73	.16
2400.00	.97	81.43	2398.31	47.19	-23.98	22.97	.23
2500.00	1.10	78.44	2498.29	47.51	-22.20	21.19	.14
2600.00	1.07	82.08	2598.27	47.83	-20.34	19.32	.08
2700.00	1.19	96.31	2698.25	47.85	-18.38	17.36	.30
2800.00	1.39	105.80	2798.23	47.40	-16.18	15.17	.29
2900.00	1.16	109.42	2898.20	46.74	-14.06	13.06	.24
3000.00	.73	104.82	2998.19	46.24	-12.49	11.50	.44
3100.00	.44	92.02	3098.19	46.06	-11.49	10.51	.32
3200.00	.45	86.73	3198.18	46.07	-10.71	9.73	.04
3300.00	.43	83.07	3298.18	46.14	-9.95	8.97	.03
3400.00	.42	63.10	3398.18	46.35	-9.25	8.26	.15
3500.00	.18	68.25	3498.18	46.57	-8.78	7.78	.24
3600.00	.10	53.64	3598.18	46.68	-8.56	7.57	.09
3700.00	.05	116.45	3698.18	46.71	-8.45	7.46	.09
3800.00	.11	75.02	3798.18	46.72	-8.32	7.32	.08
3900.00	.17	73.32	3898.17	46.79	-8.09	7.09	.06

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
4000.00	.20	62.64	3998.17	46.91	-7.79	6.79	.05
4100.00	.36	55.29	4098.17	47.17	-7.38	6.37	.16
4200.00	.69	34.01	4198.17	47.85	-6.78	5.76	.38
4300.00	.80	31.99	4298.16	48.94	-6.07	5.03	.11
4400.00	1.01	30.75	4398.15	50.29	-5.25	4.18	.21
4500.00	1.31	22.42	4498.13	52.10	-4.37	3.26	.34
4600.00	1.61	19.97	4598.09	54.48	-3.45	2.29	.31
4700.00	1.77	16.27	4698.05	57.28	-2.54	1.32	.19
4800.00	2.14	12.21	4797.99	60.59	-1.71	.42	.39
4900.00	2.32	15.77	4897.92	64.36	-.77	-.60	.23
5000.00	2.45	14.57	4997.83	68.38	.32	-1.78	.14
5100.00	2.44	16.28	5097.74	72.49	1.46	-3.00	.07
5200.00	2.44	16.75	5197.65	76.57	2.67	-4.30	.02
5300.00	2.36	20.45	5297.56	80.54	4.00	-5.71	.17
5400.00	2.29	22.02	5397.48	84.32	5.47	-7.26	.09
5500.00	2.30	19.08	5497.40	88.07	6.87	-8.75	.12
5600.00	2.13	19.54	5597.32	91.72	8.15	-10.10	.17
5700.00	1.88	20.25	5697.26	95.01	9.34	-11.36	.25
5800.00	1.64	18.31	5797.22	97.90	10.36	-12.44	.25
5900.00	1.50	18.50	5897.18	100.50	11.22	-13.36	.14
6000.00	1.24	16.81	5997.15	102.78	11.95	-14.14	.26
6100.00	1.06	11.54	6097.13	104.72	12.45	-14.67	.21
6200.00	.95	9.59	6197.11	106.45	12.77	-15.03	.12
6300.00	.91	358.93	6297.10	108.06	12.89	-15.19	.18
6400.00	.98	354.38	6397.09	109.70	12.80	-15.13	.10
6500.00	1.09	344.03	6497.07	111.47	12.45	-14.82	.22
6600.00	1.45	333.09	6597.05	113.51	11.62	-14.03	.43
6700.00	1.92	334.20	6697.00	116.15	10.31	-12.78	.47
6800.00	2.06	333.58	6796.94	119.27	8.79	-11.32	.14
6900.00	1.83	340.45	6896.88	122.38	7.45	-10.06	.33

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
7000.00	1.67	346.06	6996.84	125.30	6.57	-9.23	.23
7100.00	1.20	350.06	7096.81	127.74	6.03	-8.75	.48
7200.00	1.31	349.52	7196.78	129.90	5.65	-8.41	.11
7300.00	1.23	338.19	7296.76	132.02	5.04	-7.85	.26
7400.00	1.20	336.48	7396.74	133.98	4.22	-7.07	.05
7500.00	1.13	334.81	7496.71	135.83	3.38	-6.28	.08
7600.00	1.22	334.32	7596.69	137.68	2.50	-5.43	.09
7700.00	.90	315.07	7696.68	139.20	1.49	-4.45	.47
7800.00	.80	300.13	7796.67	140.10	.33	-3.31	.24
7900.00	.78	309.86	7896.66	140.89	-.80	-2.20	.14
8000.00	.59	313.64	7996.65	141.68	-1.69	-1.32	.20
Tie into Gyro survey							
8100.00	.58	324.90	8096.64	142.45	-2.36	-.68	.12
8196.00	6.80	247.90	8192.41	140.71	-7.91	4.91	6.97
8228.00	8.70	247.30	8224.12	139.06	-11.90	8.93	5.94
8259.00	11.10	244.00	8254.66	136.85	-16.74	13.82	7.95
8291.00	14.20	241.30	8285.88	133.61	-22.95	20.10	9.86
8323.00	17.70	238.50	8316.64	129.18	-30.55	27.79	11.20
8355.00	20.50	237.30	8346.87	123.61	-39.41	36.77	8.84
8386.00	24.30	236.80	8375.53	117.19	-49.32	46.81	12.27
8418.00	27.50	236.30	8404.31	109.48	-60.98	58.64	10.02
8450.00	30.90	236.80	8432.24	100.88	-74.01	71.84	10.65
8482.00	33.90	237.50	8459.26	91.58	-88.41	86.44	9.45
8513.00	37.00	238.40	8484.51	82.05	-103.65	101.88	10.14
8545.00	40.20	238.90	8509.51	71.67	-120.70	119.15	10.05
8577.00	43.40	238.20	8533.37	60.53	-138.89	137.57	10.11
8609.00	46.50	237.50	8556.01	48.50	-158.03	156.96	9.81
8640.00	49.20	237.00	8576.81	36.07	-177.35	176.55	8.79
8672.00	49.10	236.60	8597.74	22.82	-197.61	197.08	1.00

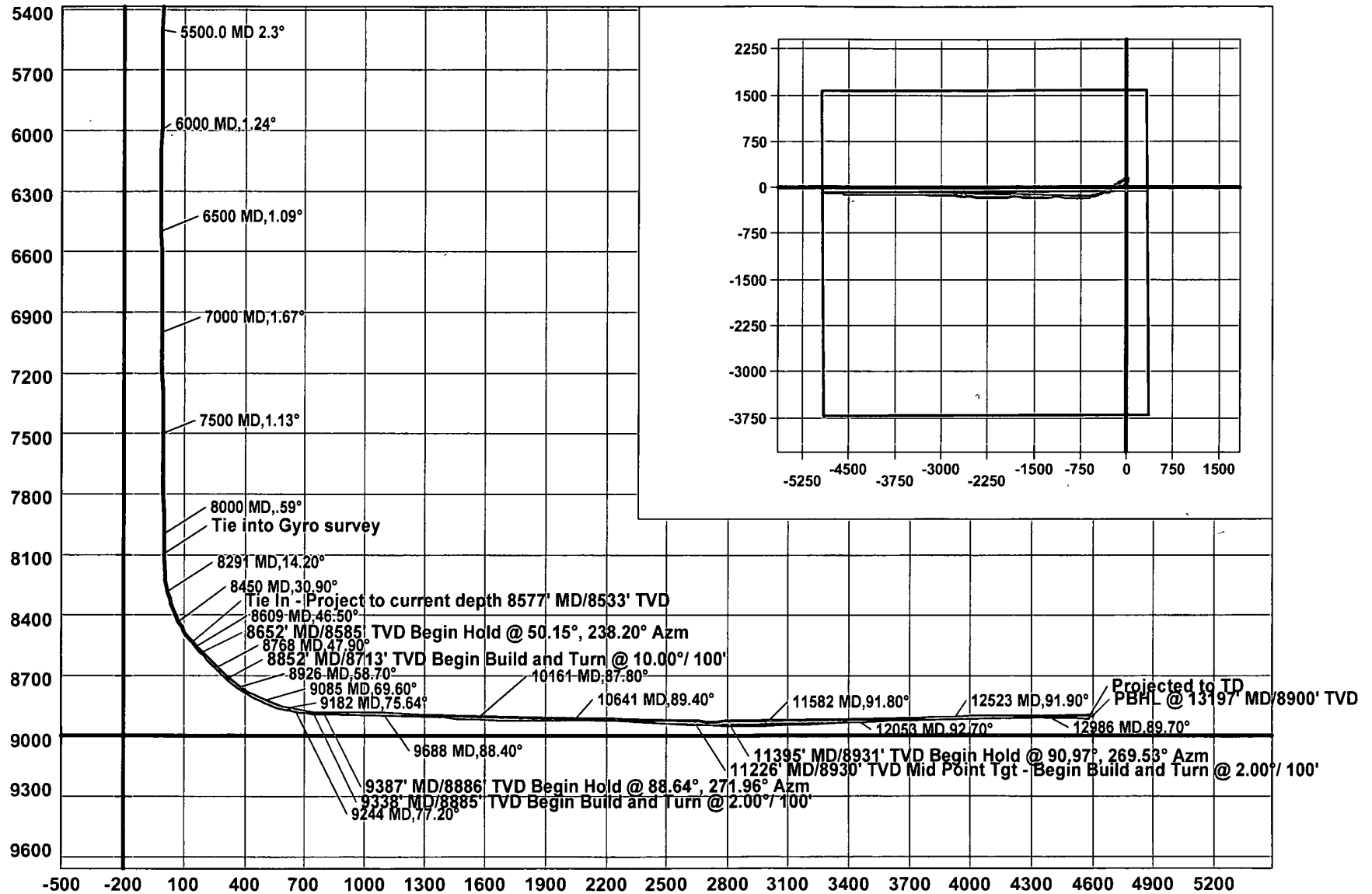
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
8704.00	47.80	237.30	8618.97	9.75	-217.68	217.42	4.38
8736.00	47.50	238.00	8640.52	-2.90	-237.66	237.67	1.87
8768.00	47.90	238.40	8662.06	-15.37	-257.77	258.04	1.55
8799.00	48.70	240.10	8682.68	-27.20	-277.66	278.18	4.84
8831.00	49.20	241.50	8703.70	-38.98	-298.73	299.49	3.65
8863.00	52.10	242.40	8723.99	-50.61	-320.57	321.57	9.32
8895.00	55.30	243.10	8742.93	-62.41	-343.49	344.74	10.15
8926.00	58.70	243.10	8759.81	-74.17	-366.68	368.17	10.97
8958.00	62.30	243.60	8775.56	-86.66	-391.56	393.32	11.33
8990.00	65.20	244.90	8789.72	-99.12	-417.41	419.43	9.77
9022.00	68.10	245.20	8802.40	-111.51	-444.05	446.32	9.10
9054.00	69.20	247.30	8814.05	-123.52	-471.33	473.85	7.01
9085.00	69.60	251.00	8824.96	-133.84	-498.44	501.18	11.25
9117.00	70.60	254.00	8835.85	-142.88	-527.13	530.05	9.35
9149.00	71.80	257.70	8846.17	-150.28	-556.50	559.57	11.57
9181.00	73.20	261.00	8855.79	-155.92	-586.49	589.67	10.76
9212.00	74.70	264.00	8864.37	-159.81	-616.02	619.28	10.48
9244.00	77.20	266.30	8872.14	-162.43	-646.95	650.26	10.47
9276.00	80.30	268.20	8878.38	-163.93	-678.29	681.63	11.30
9304.00	82.60	270.00	8882.54	-164.36	-705.97	709.31	10.39
9339.00	86.50	271.60	8885.87	-163.87	-740.80	744.12	12.04
9371.00	89.40	271.40	8887.01	-163.04	-772.77	776.06	9.08
9403.00	89.90	271.10	8887.21	-162.34	-804.76	808.03	1.82
9435.00	90.00	271.10	8887.23	-161.72	-836.75	840.01	.31
9466.00	89.90	271.10	8887.26	-161.13	-867.75	870.98	.32
9498.00	89.80	271.10	8887.34	-160.52	-899.74	902.96	.31
9594.00	90.30	270.70	8887.26	-159.01	-995.73	998.89	.67
9688.00	88.40	270.50	8888.33	-158.02	-1089.71	1092.83	2.03
9784.00	87.80	269.50	8891.51	-158.02	-1185.66	1188.76	1.21
9880.00	86.70	270.00	8896.12	-158.44	-1281.55	1284.63	1.26

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
9972.00	86.40	269.80	8901.65	-158.60	-1373.38	1376.45	.39
10069.00	86.40	269.80	8907.74	-158.94	-1470.19	1473.24	.00
10161.00	87.80	269.60	8912.40	-159.42	-1562.07	1565.11	1.54
10259.00	89.40	269.80	8914.79	-159.93	-1660.03	1663.06	1.65
10353.00	90.00	272.60	8915.28	-157.97	-1754.00	1756.97	3.05
10449.00	90.30	268.90	8915.03	-156.71	-1849.98	1852.89	3.87
10543.00	90.30	267.90	8914.54	-159.33	-1943.94	1946.89	1.06
10641.00	89.40	268.80	8914.80	-162.16	-2041.89	2044.88	1.30
10729.00	89.50	268.80	8915.64	-164.00	-2129.87	2132.88	.11
10826.00	88.10	269.30	8917.67	-165.61	-2226.83	2229.85	1.53
10921.00	86.60	270.50	8922.06	-165.77	-2321.73	2324.73	2.02
11015.00	86.20	273.20	8927.97	-162.74	-2415.48	2418.40	2.90
11111.00	86.90	274.20	8933.75	-156.56	-2511.11	2513.87	1.27
11208.00	87.70	274.20	8938.31	-149.46	-2607.74	2610.33	.82
11303.00	88.60	273.30	8941.38	-143.25	-2702.48	2704.92	1.34
11395.00	88.60	273.00	8943.63	-138.20	-2794.32	2796.63	.33
11491.00	89.80	272.10	8944.97	-133.93	-2890.21	2892.41	1.56
11582.00	91.80	273.00	8943.70	-129.88	-2981.11	2983.20	2.41
11678.00	92.00	272.50	8940.52	-125.28	-3076.94	3078.91	.56
11771.00	92.20	271.90	8937.11	-121.71	-3169.81	3171.68	.68
11867.00	92.00	271.90	8933.59	-118.53	-3265.69	3267.48	.21
11962.00	91.50	271.20	8930.69	-115.96	-3360.61	3362.32	.91
12053.00	92.70	272.50	8927.35	-113.03	-3451.50	3453.13	1.94
12148.00	92.50	272.10	8923.05	-109.22	-3546.33	3547.85	.47
12242.00	92.30	271.60	8919.11	-106.19	-3640.20	3641.63	.57
12335.00	92.20	270.90	8915.46	-104.16	-3733.10	3734.47	.76
12420.00	91.90	270.50	8912.42	-103.12	-3818.04	3819.37	.59
12523.00	91.90	270.40	8909.00	-102.31	-3920.98	3922.27	.10
12616.00	91.90	269.80	8905.92	-102.15	-4013.93	4015.19	.64
12707.00	89.50	270.20	8904.81	-102.15	-4104.92	4106.16	2.67

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
12802.00	89.90	270.20	8905.30	-101.82	-4199.91	4201.13	.42
12893.00	89.70	269.80	8905.62	-101.82	-4290.91	4292.11	.49
12986.00	89.70	269.60	8906.11	-102.31	-4383.91	4385.09	.22
13081.00	89.40	268.90	8906.86	-103.55	-4478.90	4480.09	.80
13119.00	89.40	268.80	8907.25	-104.31	-4516.89	4518.09	.26

Projected to TD							
13180.00	89.40	268.64	8907.89	-105.67	-4577.87	4579.08	.26

Company: Devon Energy
 Lease/Well: Sirius 17 Fed # 2H
 Location: Eddy County
 State/Country: New Mexico



11175R3.TXT

Job Number: 11-175

State/Country: New Mexico

Company: Devon Energy
Lease/Well: Sirius 17 Fed # 2H
Location: Eddy County
Rig Name:
RKB:
G.L. or M.S.L.:

Declination: 7.78
Grid: -0.22
File name: P:\SURVEYS\DEVON\11175R3.SVY
Date/Time: 16-May-11 / 07:41
Curve Name: as drilled

Inwell Inc

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 268.78

Vertical Section Referenced to offset from wellhead: EW =.00 Ft , NS=.00 Ft
Rectangular Coordinates Referenced to wellhead

Measured Dogleg Depth Severity FT Deg/100	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
.00	.00	.00	.00	.00	.00	.00
.00	100.00	.79	319.07	100.00	.52	.44
.79	200.00	1.30	310.88	199.98	1.78	1.72
.53	300.00	2.14	298.98	299.93	3.43	4.18
.91	400.00	2.95	294.38	399.83	5.40	8.11
.83	500.00	3.71	295.35	499.67	7.85	13.33
.76	600.00	3.52	295.12	599.47	10.53	18.97
.19	700.00	2.98	297.79	699.31	13.05	24.00
.56	800.00	2.78	300.74	799.18	15.50	28.33
.25	900.00	2.62	300.64	899.07	17.90	32.33
.16	1000.00	2.29	306.01	998.98	20.24	35.86
.40	1100.00	1.98	308.03	1098.91	22.48	38.79
.32	1200.00	1.76	309.09	1198.85	24.52	41.29
.22	1300.00	1.73	311.94	1298.81	26.49	43.57
.09						

			11175R3.TXT			
1.08	1400.00	1.38	350.65	1398.77	28.69	-45.46 44.84
.89	1500.00	1.70	22.09	1498.74	31.25	-45.10 44.42
.62	1600.00	1.92	40.71	1598.69	33.90	-43.45 42.72
.34	1700.00	2.15	47.61	1698.63	36.43	-40.97 40.18
.12	1800.00	2.16	50.92	1798.56	38.88	-38.12 37.28
.10	1900.00	2.23	52.96	1898.48	41.24	-35.10 34.22
	2000.00	1.89	52.45	1998.42	43.42	-32.24 31.31
.34	2100.00	1.46	61.21	2098.37	45.04	-29.82 28.85
.50	2200.00	1.26	68.79	2198.35	46.05	-27.68 26.69
.27	2300.00	1.11	71.37	2298.32	46.76	-25.74 24.73
.16	2400.00	.97	81.43	2398.31	47.19	-23.98 22.97
.23						

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Measured Dogleg Depth Severity FT Deg/100	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
.14	2500.00	1.10	78.44	2498.29	47.51	-22.20 21.19
.08	2600.00	1.07	82.08	2598.27	47.83	-20.34 19.32
.30	2700.00	1.19	96.31	2698.25	47.85	-18.38 17.36
.29	2800.00	1.39	105.80	2798.23	47.40	-16.18 15.17
.24	2900.00	1.16	109.42	2898.20	46.74	-14.06 13.06
.44	3000.00	.73	104.82	2998.19	46.24	-12.49 11.50
.32	3100.00	.44	92.02	3098.19	46.06	-11.49 10.51
.04	3200.00	.45	86.73	3198.18	46.07	-10.71 9.73
.03	3300.00	.43	83.07	3298.18	46.14	-9.95 8.97

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			11175R3.TXT			
.15	3400.00	.42	63.10	3398.18	46.35	-9.25 8.26
.24	3500.00	.18	68.25	3498.18	46.57	-8.78 7.78
.09	3600.00	.10	53.64	3598.18	46.68	-8.56 7.57
.09	3700.00	.05	116.45	3698.18	46.71	-8.45 7.46
.08	3800.00	.11	75.02	3798.18	46.72	-8.32 7.32
.06	3900.00	.17	73.32	3898.17	46.79	-8.09 7.09
.05	4000.00	.20	62.64	3998.17	46.91	-7.79 6.79
.16	4100.00	.36	55.29	4098.17	47.17	-7.38 6.37
.38	4200.00	.69	34.01	4198.17	47.85	-6.78 5.76
.11	4300.00	.80	31.99	4298.16	48.94	-6.07 5.03
.21	4400.00	1.01	30.75	4398.15	50.29	-5.25 4.18
.34	4500.00	1.31	22.42	4498.13	52.10	-4.37 3.26
.31	4600.00	1.61	19.97	4598.09	54.48	-3.45 2.29
.19	4700.00	1.77	16.27	4698.05	57.28	-2.54 1.32
.39	4800.00	2.14	12.21	4797.99	60.59	-1.71 .42
.23	4900.00	2.32	15.77	4897.92	64.36	-.77 -.60
.14	5000.00	2.45	14.57	4997.83	68.38	.32 -1.78
.07	5100.00	2.44	16.28	5097.74	72.49	1.46 -3.00
.02	5200.00	2.44	16.75	5197.65	76.57	2.67 -4.30
.17	5300.00	2.36	20.45	5297.56	80.54	4.00 -5.71
.09	5400.00	2.29	22.02	5397.48	84.32	5.47 -7.26
.12	5500.00	2.30	19.08	5497.40	88.07	6.87 -8.75
.17	5600.00	2.13	19.54	5597.32	91.72	8.15 -10.10
.25	5700.00	1.88	20.25	5697.26	95.01	9.34 -11.36
.25	5800.00	1.64	18.31	5797.22	97.90	10.36 -12.44
.14	5900.00	1.50	18.50	5897.18	100.50	11.22 -13.36
.26	6000.00	1.24	16.81	5997.15	102.78	11.95 -14.14
.21	6100.00	1.06	11.54	6097.13	104.72	12.45 -14.67
	6200.00	.95	9.59	6197.11	106.45	12.77 -15.03

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.12	6300.00	.91	358.93	6297.10	108.06	12.89	-15.19
.18	6400.00	.98	354.38	6397.09	109.70	12.80	-15.13
.10	6500.00	1.09	344.03	6497.07	111.47	12.45	-14.82
.22	6600.00	1.45	333.09	6597.05	113.51	11.62	-14.03
.43							

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Measured Dogleg Depth Severity FT Deg/100	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
.47 6700.00	1.92	334.20	6697.00	116.15	10.31	-12.78
.14 6800.00	2.06	333.58	6796.94	119.27	8.79	-11.32
.33 6900.00	1.83	340.45	6896.88	122.38	7.45	-10.06
.23 7000.00	1.67	346.06	6996.84	125.30	6.57	-9.23
.48 7100.00	1.20	350.06	7096.81	127.74	6.03	-8.75
.11 7200.00	1.31	349.52	7196.78	129.90	5.65	-8.41
.26 7300.00	1.23	338.19	7296.76	132.02	5.04	-7.85
.05 7400.00	1.20	336.48	7396.74	133.98	4.22	-7.07
.08 7500.00	1.13	334.81	7496.71	135.83	3.38	-6.28
.09 7600.00	1.22	334.32	7596.69	137.68	2.50	-5.43
.47 7700.00	.90	315.07	7696.68	139.20	1.49	-4.45
.24 7800.00	.80	300.13	7796.67	140.10	.33	-3.31
.14 7900.00	.78	309.86	7896.66	140.89	-.80	-2.20
.20 8000.00	.59	313.64	7996.65	141.68	-1.69	-1.32
Tie into Gyro survey .12 8100.00	.58	324.90	8096.64	142.45	-2.36	-.68

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6.97	8196.00	6.80	247.90	8192.41	140.71	-7.91	4.91
5.94	8228.00	8.70	247.30	8224.12	139.06	-11.90	8.93
7.95	8259.00	11.10	244.00	8254.66	136.85	-16.74	13.82
9.86	8291.00	14.20	241.30	8285.88	133.61	-22.95	20.10
11.20	8323.00	17.70	238.50	8316.64	129.18	-30.55	27.79
8.84	8355.00	20.50	237.30	8346.87	123.61	-39.41	36.77
12.27	8386.00	24.30	236.80	8375.53	117.19	-49.32	46.81
10.02	8418.00	27.50	236.30	8404.31	109.48	-60.98	58.64
10.65	8450.00	30.90	236.80	8432.24	100.88	-74.01	71.84
9.45	8482.00	33.90	237.50	8459.26	91.58	-88.41	86.44
10.14	8513.00	37.00	238.40	8484.51	82.05	-103.65	101.88
10.05	8545.00	40.20	238.90	8509.51	71.67	-120.70	119.15
10.11	8577.00	43.40	238.20	8533.37	60.53	-138.89	137.57
9.81	8609.00	46.50	237.50	8556.01	48.50	-158.03	156.96
8.79	8640.00	49.20	237.00	8576.81	36.07	-177.35	176.55
1.00	8672.00	49.10	236.60	8597.74	22.82	-197.61	197.08
4.38	8704.00	47.80	237.30	8618.97	9.75	-217.68	217.42
1.87	8736.00	47.50	238.00	8640.52	-2.90	-237.66	237.67
1.55	8768.00	47.90	238.40	8662.06	-15.37	-257.77	258.04
4.84	8799.00	48.70	240.10	8682.68	-27.20	-277.66	278.18
3.65	8831.00	49.20	241.50	8703.70	-38.98	-298.73	299.49
9.32	8863.00	52.10	242.40	8723.99	-50.61	-320.57	321.57
10.15	8895.00	55.30	243.10	8742.93	-62.41	-343.49	344.74
10.97	8926.00	58.70	243.10	8759.81	-74.17	-366.68	368.17
11.33	8958.00	62.30	243.60	8775.56	-86.66	-391.56	393.32

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Measured Dogleg Depth Severity FT Deg/100	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
8990.00	65.20	244.90	8789.72	-99.12	-417.41	419.43
9.77						
9022.00	68.10	245.20	8802.40	-111.51	-444.05	446.32
9.10						
9054.00	69.20	247.30	8814.05	-123.52	-471.33	473.85
7.01						
9085.00	69.60	251.00	8824.96	-133.84	-498.44	501.18
11.25						
9117.00	70.60	254.00	8835.85	-142.88	-527.13	530.05
9.35						
9149.00	71.80	257.70	8846.17	-150.28	-556.50	559.57
11.57						
9181.00	73.20	261.00	8855.79	-155.92	-586.49	589.67
10.76						
9212.00	74.70	264.00	8864.37	-159.81	-616.02	619.28
10.48						
9244.00	77.20	266.30	8872.14	-162.43	-646.95	650.26
10.47						
9276.00	80.30	268.20	8878.38	-163.93	-678.29	681.63
11.30						
9304.00	82.60	270.00	8882.54	-164.36	-705.97	709.31
10.39						
9339.00	86.50	271.60	8885.87	-163.87	-740.80	744.12
12.04						
9371.00	89.40	271.40	8887.01	-163.04	-772.77	776.06
9.08						
9403.00	89.90	271.10	8887.21	-162.34	-804.76	808.03
1.82						
9435.00	90.00	271.10	8887.23	-161.72	-836.75	840.01
.31						
9466.00	89.90	271.10	8887.26	-161.13	-867.75	870.98
132						
9498.00	89.80	271.10	8887.34	-160.52	-899.74	902.96
.31						
9594.00	90.30	270.70	8887.26	-159.01	-995.73	998.89
.67						
9688.00	88.40	270.50	8888.33	-158.02	-1089.71	1092.83
2.03						
9784.00	87.80	269.50	8891.51	-158.02	-1185.66	1188.76
1.21						
9880.00	86.70	270.00	8896.12	-158.44	-1281.55	1284.63
1.26						
9972.00	86.40	269.80	8901.65	-158.60	-1373.38	1376.45
.39						
10069.00	86.40	269.80	8907.74	-158.94	-1470.19	1473.24
.00						
10161.00	87.80	269.60	8912.40	-159.42	-1562.07	1565.11

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1.54	10259.00	89.40	269.80	8914.79	-159.93	-1660.03	1663.06
1.65							
	10353.00	90.00	272.60	8915.28	-157.97	-1754.00	1756.97
3.05							
	10449.00	90.30	268.90	8915.03	-156.71	-1849.98	1852.89
3.87							
	10543.00	90.30	267.90	8914.54	-159.33	-1943.94	1946.89
1.06							
	10641.00	89.40	268.80	8914.80	-162.16	-2041.89	2044.88
1.30							
	10729.00	89.50	268.80	8915.64	-164.00	-2129.87	2132.88
.11							
	10826.00	88.10	269.30	8917.67	-165.61	-2226.83	2229.85
1.53							
	10921.00	86.60	270.50	8922.06	-165.77	-2321.73	2324.73
2.02							
	11015.00	86.20	273.20	8927.97	-162.74	-2415.48	2418.40
2.90							
	11111.00	86.90	274.20	8933.75	-156.56	-2511.11	2513.87
1.27							
	11208.00	87.70	274.20	8938.31	-149.46	-2607.74	2610.33
.82							
	11303.00	88.60	273.30	8941.38	-143.25	-2702.48	2704.92
1.34							
	11395.00	88.60	273.00	8943.63	-138.20	-2794.32	2796.63
.33							
	11491.00	89.80	272.10	8944.97	-133.93	-2890.21	2892.41
1.56							
	11582.00	91.80	273.00	8943.70	-129.88	-2981.11	2983.20
2.41							
	11678.00	92.00	272.50	8940.52	-125.28	-3076.94	3078.91
.56							
	11771.00	92.20	271.90	8937.11	-121.71	-3169.81	3171.68
.68							
	11867.00	92.00	271.90	8933.59	-118.53	-3265.69	3267.48
.21							

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Measured Dogleg Depth Severity FT Deg/100	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
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.91	11962.00	91.50	271.20	8930.69	-115.96	-3360.61	3362.32
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12053.00	92.70	272.50	8927.35	-113.03	-3451.50	3453.13
1.94						
12148.00	92.50	272.10	8923.05	-109.22	-3546.33	3547.85
.47						
12242.00	92.30	271.60	8919.11	-106.19	-3640.20	3641.63
.57						
12335.00	92.20	270.90	8915.46	-104.16	-3733.10	3734.47
.76						
12420.00	91.90	270.50	8912.42	-103.12	-3818.04	3819.37
.59						
12523.00	91.90	270.40	8909.00	-102.31	-3920.98	3922.27
.10						
12616.00	91.90	269.80	8905.92	-102.15	-4013.93	4015.19
.64						
12707.00	89.50	270.20	8904.81	-102.15	-4104.92	4106.16
2.67						
12802.00	89.90	270.20	8905.30	-101.82	-4199.91	4201.13
.42						
12893.00	89.70	269.80	8905.62	-101.82	-4290.91	4292.11
.49						
12986.00	89.70	269.60	8906.11	-102.31	-4383.91	4385.09
.22						
13081.00	89.40	268.90	8906.86	-103.55	-4478.90	4480.09
.80						
13119.00	89.40	268.80	8907.25	-104.31	-4516.89	4518.09
.26						
Projected to TD						
13180.00	89.40	268.64	8907.89	-105.67	-4577.87	4579.08
.26						