

ACTUAL WELLPATH REPORT (CSV version)

Survey Date:

Customer: Consol Energy

Job:

Well: GDF0130-S

Field: Marcellus Shale

Rig: Patterson / UTM # 605

Location: Doddridge Co. WV

MD	INC	AZI	TVD	CL	SECT	RCN	RCE	CLDIST	CLDIR	DLS	TEMP
feet	deg	deg	feet	feet	feet	feet	feet	feet	deg	deg/100ft	F
0.00	0.00	0.00	0.00	0.00	-0.00	-0.01	0.00	0.01	126.17	-999.25	
104.50	0.59	296.41	104.50	104.50	0.57	0.22	-0.46	0.51	295.95	0.56	
204.50	0.92	301.29	204.49	100.00	1.37	0.87	-1.01	1.83	298.42	0.94	
304.50	0.49	308.52	304.49	100.00	2.35	1.54	-1.64	3.06	300.31	0.48	
404.50	0.61	308.59	404.48	100.00	3.16	2.13	-3.40	4.01	302.06	0.12	
504.50	0.47	319.73	504.48	100.00	4.00	2.77	-4.08	4.93	304.21	0.17	
604.50	0.17	317.29	604.48	100.00	4.52	3.20	-4.45	5.47	305.71	0.30	
704.50	0.10	312.22	704.47	100.00	4.74	3.86	-4.61	5.71	306.13	0.07	
804.50	0.10	307.80	804.47	100.00	4.89	3.48	-4.74	5.88	306.56	0.01	
904.50	0.25	303.47	904.47	100.00	5.14	3.65	-4.99	6.19	306.18	0.15	
1004.50	0.32	296.23	1004.47	100.00	5.52	3.90	-5.43	6.68	305.68	0.08	
1104.50	0.24	298.68	1104.47	100.00	5.87	4.12	-5.86	7.16	305.11	0.08	
1204.50	0.27	314.60	1204.47	100.00	6.24	4.38	-6.21	7.60	305.21	0.08	
1304.50	0.32	318.90	1304.47	100.00	6.72	4.76	-6.56	8.11	305.99	0.06	
1404.50	0.27	316.51	1404.47	100.00	7.19	5.14	-6.91	8.61	306.05	0.05	
1504.50	0.39	318.12	1504.47	100.00	7.73	5.37	-7.30	9.18	307.33	0.12	
1604.50	0.25	319.73	1604.46	100.00	8.25	5.99	-7.67	9.73	307.88	0.14	
1704.50	0.47	311.24	1704.46	100.00	8.81	6.42	-8.12	10.33	308.35	0.23	
1804.50	0.08	268.18	1804.45	100.00	9.21	6.71	-8.49	10.83	308.33	0.40	
1904.50	0.31	285.29	1904.46	100.00	9.41	6.81	-8.82	11.14	307.67	0.23	
2004.50	0.21	284.73	2004.46	100.00	9.67	6.93	-9.26	11.56	306.60	0.10	
2104.50	0.21	283.90	2104.46	100.00	9.88	7.02	-9.61	11.90	306.18	0.00	
2204.50	0.22	283.48	2204.46	100.00	10.09	7.10	-9.98	12.25	305.65	0.01	
2304.50	0.47	287.96	2304.46	100.00	10.43	7.28	-10.55	12.82	304.58	0.25	
2404.50	0.44	283.23	2404.45	100.00	10.91	7.49	-11.31	13.57	303.50	0.05	
2504.50	0.61	284.87	2504.45	100.00	11.41	7.71	-12.21	14.44	302.30	0.17	
2604.50	0.80	285.47	2604.44	100.00	12.14	8.05	-13.39	15.62	301.01	0.19	
2704.50	0.84	291.97	2704.43	100.00	13.06	8.53	-14.73	17.03	300.08	0.10	
2804.50	1.11	290.62	2804.42	100.00	14.19	9.16	-16.32	18.71	299.31	0.27	
2904.50	1.21	288.10	2904.40	100.00	15.47	9.83	-18.23	20.71	298.34	0.31	
3004.50	1.17	285.57	3004.37	100.00	16.72	10.43	-20.21	22.75	297.50	0.07	
3104.50	1.26	281.35	3104.35	100.00	17.88	10.92	-22.27	24.81	296.12	0.13	
3204.50	1.18	280.69	3204.33	100.00	18.88	11.33	-24.35	26.87	294.94	0.08	
3304.50	1.28	278.15	3304.31	100.00	20.02	11.68	-26.46	28.93	293.81	0.10	
3404.50	1.02	279.45	3404.29	100.00	20.99	11.98	-28.48	30.85	292.85	0.24	
3504.50	1.26	274.01	3504.27	100.00	21.91	12.24	-30.42	32.78	291.92	0.37	
3604.50	1.02	277.91	3604.25	100.00	22.81	12.48	-32.41	34.73	291.06	0.26	
3704.50	1.24	279.91	3704.23	100.00	23.77	12.79	-34.36	36.66	290.43	0.22	
3804.50	1.09	281.31	3804.21	100.00	24.80	13.16	-36.36	38.67	289.30	0.15	
3904.50	1.53	280.19	3904.18	100.00	25.88	13.55	-38.41	40.79	288.43	0.24	
4004.50	1.07	280.19	4004.16	100.00	26.95	13.92	-40.49	42.82	288.98	0.26	
4104.50	0.63	283.10	4104.15	100.00	27.70	14.21	-41.95	44.29	288.72	0.44	
4204.50	0.50	286.12	4204.15	100.00	28.26	14.46	-42.90	45.27	288.63	0.13	
4304.50	0.66	293.67	4304.14	100.00	28.92	14.81	-43.85	46.28	288.67	0.10	
4404.50	0.48	317.18	4404.14	100.00	29.70	15.15	-44.68	47.21	288.97	0.29	
4504.50	0.13	347.38	4504.13	100.00	30.20	15.77	-44.97	47.66	289.32	0.37	
4604.50	0.35	350.57	4604.13	100.00	30.76	16.35	-45.07	47.95	289.34	0.42	
4704.50	0.29	335.38	4704.13	100.00	31.50	17.03	-45.17	48.29	290.71	0.26	
4804.50	0.43	357.71	4804.13	100.00	32.10	17.71	-45.21	48.55	291.39	0.14	
4904.50	0.51	35.93	4904.12	100.00	31.71	18.44	-44.95	48.60	291.30	0.32	
5004.50	0.59	59.30	5004.12	100.00	33.05	19.06	-44.76	48.19	291.30	0.24	
5104.50	0.54	62.02	5104.12	100.00	33.21	19.55	-43.40	47.60	294.25	0.06	
5204.50	0.63	66.37	5204.11	100.00	33.51	19.99	-42.48	46.95	295.20	0.10	
5312.00	1.29	60.28	5311.80	107.50	33.55	20.80	-40.94	45.91	296.91	0.56	129.94
5405.00	6.68	71.46	5404.34	93.00	33.58	23.02	-34.94	41.84	303.38	5.89	131.55
5450.00	9.85	89.93	5448.87	45.00	32.20	23.85	-28.50	37.24	309.81	9.10	131.55
5499.00	10.82	92.19	5497.08	49.00	29.03	23.68	-19.81	30.88	320.08	2.14	133.55
5591.00	10.73	89.98	5568.44	91.00	22.78	23.35	-3.44	23.48	354.04	0.45	137.17
5685.00	10.11	87.83	5680.89	94.00	17.29	23.70	14.56	27.81	311.57	0.80	137.17
5779.00	12.13	89.94	5772.14	93.00	11.48	24.04	32.49	40.42	33.49	2.22	144.89
5873.00	11.34	86.95	5864.17	94.00	5.42	24.35	51.59	57.13	64.56	1.06	144.89
5967.00	10.33	83.90	5956.49	94.00	0.69	25.94	69.24	73.94	69.46	1.19	148.01
6061.00	11.87	87.50	6048.72	94.00	-4.23	27.26	87.32	91.48	72.66	1.75	148.01
6154.00	10.82	84.80	6139.91	93.00	-9.36	28.47	105.57	109.34	74.81	1.25	131.62
6248.00	10.11	81.30	6132.34	94.00	-13.51	30.23	122.55	126.22	76.14	0.81	131.62

6342.00	10.55	51.20	4334.85	94.00	-14.11	25.33	138.30	142.74	75.67	4.20	151.62
6389.00	14.16	43.12	4370.78	47.00	-10.76	41.66	145.94	151.77	74.07	11.58	151.62
6435.00	17.94	34.30	6414.98	48.00	-4.00	51.69	153.70	162.16	71.41	9.45	148.01
6482.00	21.10	24.89	6459.29	47.00	6.28	63.58	161.28	174.00	67.89	9.72	148.01
6529.00	24.62	13.35	6503.61	47.00	20.51	82.63	167.04	186.36	63.68	11.78	148.01
6576.00	27.87	2.17	6544.78	47.00	38.68	103.15	169.72	198.61	58.71	12.56	151.62
6623.00	30.95	254.60	6585.74	47.00	60.76	126.17	169.00	210.90	53.26	10.26	151.62
6670.00	34.21	332.11	6625.34	47.00	85.38	151.30	166.05	224.64	47.66	7.50	151.62
6718.00	38.95	349.91	6663.27	46.00	112.29	178.36	163.79	240.77	42.20	10.69	151.62
6763.00	43.18	349.70	6697.69	47.00	142.71	206.74	156.37	260.75	36.82	9.00	155.24
6810.00	47.31	350.79	6730.78	47.00	175.54	241.63	150.63	284.73	31.94	8.94	155.24
6857.00	51.79	351.54	6761.26	47.00	210.02	278.96	145.14	312.69	27.65	8.61	155.24
6904.00	56.28	351.47	6788.85	47.00	247.88	314.57	139.51	344.11	23.92	8.55	158.85
6951.00	60.33	349.34	6813.59	47.00	287.19	353.97	132.85	378.08	20.57	9.25	155.24
6997.00	63.75	347.58	6835.19	46.00	327.36	393.74	124.64	412.99	17.57	8.53	158.85
7044.00	67.60	345.21	6854.47	47.00	369.95	435.36	114.48	450.16	14.75	9.59	158.85
7091.00	71.23	342.94	6870.92	47.00	419.85	477.69	102.89	488.54	12.10	8.59	158.85
7138.00	74.48	341.30	6884.77	47.00	458.71	520.54	88.83	528.09	9.70	7.04	155.24
7185.00	77.82	341.20	6896.02	47.00	504.31	564.00	75.07	568.87	7.58	7.11	155.24
7232.00	82.31	342.26	6904.13	47.00	550.56	608.07	60.94	611.12	5.72	8.55	155.24
7279.00	84.06	341.89	6909.70	47.00	597.19	652.47	48.58	654.13	4.08	1.81	158.85
7326.00	85.91	341.92	6913.81	47.00	643.58	696.38	32.04	697.71	2.63	1.94	158.85
7372.00	89.96	340.88	6915.47	46.00	689.93	740.53	17.37	740.74	1.34	9.10	158.85
7418.00	91.10	340.82	6914.00	94.00	733.92	829.32	-13.48	829.43	358.07	1.21	158.85
7464.00	88.98	334.76	6914.53	94.00	677.90	917.52	-45.95	918.67	357.11	3.14	158.85
7510.00	88.64	334.24	6916.45	91.00	970.85	1004.03	-80.03	1007.22	335.44	0.67	166.08
7547.00	88.46	334.23	6918.83	94.00	1064.78	1091.30	-114.87	1097.33	351.99	0.19	166.08
7594.00	90.04	334.32	6920.05	91.00	1137.72	1177.69	-149.29	1187.11	352.78	1.70	169.69
7634.00	92.42	338.56	6918.03	94.00	1251.66	1265.08	-183.82	1278.37	351.73	2.54	169.69
8028.00	92.77	337.72	6913.77	94.00	1345.51	1352.23	-218.79	1369.82	350.81	0.97	169.69
8122.00	93.59	337.33	6908.71	94.00	1439.29	1438.97	-214.67	1461.53	349.96	0.78	169.69
8215.00	91.86	337.92	6904.87	91.00	1532.12	1524.89	-290.04	1552.23	349.23	2.27	169.69
8309.00	93.42	338.06	6901.77	91.00	1626.02	1611.99	-325.25	1644.47	348.59	1.14	169.69
8403.00	91.28	340.99	6898.73	94.00	1719.95	1699.99	-358.11	1737.30	348.10	1.34	173.11
8496.00	91.88	341.53	6896.09	91.00	1812.89	1788.03	-387.97	1829.63	347.76	0.95	173.11
8590.00	90.13	340.81	6894.36	94.00	1905.84	1876.58	-418.11	1921.02	347.44	1.11	174.92
8683.00	90.22	341.14	6894.07	91.00	1999.84	1964.90	-448.62	2015.48	347.14	0.37	174.92
8777.00	89.96	340.94	6893.92	94.00	2093.82	2053.80	-479.16	2108.95	346.87	0.33	174.92
8871.00	89.86	340.85	6893.99	94.00	2187.81	2142.85	-509.85	2202.47	346.61	0.01	180.54
8964.00	89.69	340.81	6894.27	91.00	2280.80	2230.51	-540.31	2295.02	346.38	0.33	180.54
9058.00	91.19	339.80	6893.55	94.00	2374.79	2319.01	-571.99	2388.51	346.14	1.91	180.54
9151.00	91.88	339.81	6891.48	91.00	2468.76	2406.22	-604.23	2480.91	345.90	0.27	176.02
9245.00	91.80	338.58	6888.89	94.00	2561.72	2494.08	-637.32	2574.38	345.66	0.92	180.54
9339.00	92.77	339.09	6885.14	94.00	2655.63	2581.76	-671.20	2667.58	345.43	1.06	180.54
9432.00	91.54	339.23	6881.65	91.00	2749.55	2668.62	-704.25	2758.98	345.22	1.83	180.54
9526.00	92.07	338.36	6878.69	94.00	2842.48	2756.27	-738.22	2851.37	345.01	1.10	180.54
9620.00	92.59	338.18	6874.86	94.00	2936.36	2843.46	-772.99	2946.66	344.79	0.59	176.92
9713.00	93.56	337.47	6869.87	91.00	3029.16	2929.46	-808.04	3038.86	344.58	1.29	180.54
9807.00	93.30	339.40	6864.25	94.00	3122.95	3016.72	-842.53	3132.16	344.40	2.07	180.54
9901.00	92.51	341.03	6859.49	94.00	3216.83	3105.05	-874.50	3225.80	344.27	1.92	184.15
9994.00	92.59	340.34	6853.35	91.00	3309.73	3191.73	-905.03	3318.59	344.17	0.75	180.54
10088.00	92.59	340.47	6851.10	94.00	3403.63	3281.20	-936.53	3412.23	344.07	0.14	184.15
10182.00	92.15	339.53	6847.21	94.00	3497.55	3369.45	-968.65	3505.92	343.96	1.10	134.13
10276.00	92.42	340.03	6843.31	91.00	3590.47	3456.65	-1000.77	3598.61	343.85	0.61	184.15
10369.00	91.54	341.61	6840.24	94.00	3684.40	3545.38	-1031.63	3692.42	343.78	1.92	184.15
10463.00	91.45	341.79	6837.83	91.00	3777.33	3633.64	-1060.82	3785.33	343.75	0.22	187.76
10556.00	90.84	341.51	6835.95	94.00	3871.27	3722.84	-1090.41	3879.25	343.67	0.71	187.76
10650.00	90.92	341.70	6834.51	94.00	3965.22	3812.03	-1120.07	3973.18	343.63	0.22	187.76
10743.00	91.10	341.39	6832.67	91.00	4059.17	3900.23	-1149.50	4066.10	343.58	0.89	187.76
10837.00	90.92	341.19	6831.11	94.00	4153.14	3989.23	-1179.63	4160.01	343.53	0.29	187.76
10930.00	90.92	341.01	6829.71	91.00	4247.11	4077.23	-1209.77	4252.92	343.47	0.19	187.76
11024.00	91.80	340.31	6827.49	94.00	4339.07	4165.90	-1240.89	4346.78	343.41	1.20	187.76
11118.00	92.42	340.47	6824.03	94.00	4431.01	4254.38	-1272.42	4440.59	343.35	0.68	187.76
11211.00	92.88	339.52	6819.74	91.00	4523.91	4341.68	-1304.20	4533.93	343.28	1.12	187.76
11305.00	93.12	339.31	6814.84	94.00	4619.77	4429.56	-1337.20	4627.00	343.20	0.15	187.76
11399.00	91.28	339.51	6811.21	94.00	4713.69	4517.48	-1370.14	4720.72	343.13	1.97	187.76
11493.00	91.28	339.84	6809.16	91.00	4806.67	4604.67	-1402.51	4813.55	343.06	0.25	187.76
11586.00	91.28	329.73	6807.05	94.00	4900.65	4692.88	-1435.00	4907.86	343.00	0.12	187.76
11680.00	91.28	340.57	6804.96	94.00	4994.63	4781.25	-1466.91	5003.22	342.94	0.89	187.76
11773.00	91.10	340.96	6803.02	91.00	5087.59	4869.04	-1497.55	5094.13	342.90	0.48	191.38
11867.00	91.18	341.89	6801.01	94.00	5181.55	4957.99	-1527.87	5188.07	342.87	0.33	187.76
11961.00	91.54	341.73	6798.83	94.00	5275.49	5047.14	-1557.59	5283.02	342.83	0.41	187.76
12054.00	91.36	341.68	6796.27	91.00	5368.41	5135.41	-1586.78	5374.97	342.83	0.20	191.38
12148.00	91.83	341.44	6793.82	94.00	5462.35	5224.35	-1616.50	5468.91	342.81	0.38	191.38
12242.00	91.28	341.04	6791.44	94.00	5556.30	5313.33	-1646.71	5562.85	342.78	0.57	191.38
12335.00	91.28	341.11	6789.36	91.00	5649.26	5402.48	-1676.88	5655.78	342.75	0.08	191.38

12429.00	91.36	341.17	6787.19	94.00	3743.11	3400.41	-1707.28	3749.72	342.73	0.11	191.38
12448.00	91.36	341.11	6786.72	20.00	3763.20	3509.33	-1713.72	3769.71	342.72	0.30	187.76
12516.00	91.36	341.11	6785.13	67.00	3830.17	3372.70	-1713.60	3836.66	342.70	-999.25	(Projection_to_the_31)