



Job Number: []
 Company: Gulfport Energy
 Lease/Well: Ellgen 11-10-1
 Location: Moffatt County
 Rig Name: []
 RKB: []
 G.L. or M.S.L.: []

State/Country: Colorado
 Declination: []
 Grid: []
 File name: C:\CUST20-1\GULFPORT\03187--1.SVY
 Date/Time: 25-Sep-11 / 06:24
 Curve Name: As Drilled Ellgen 11-10-1

As Drilled Ellgen 11-10-1

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 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	Grid X FT	Grid Y FT
.00	.00	.00	.00	.00	.00	.00	.00	1416766.08	430946.29
100.00	.13	300.97	100.00	.06	-.10	.06	.13	1416765.98	430946.35
200.00	.15	294.07	200.00	.17	-.31	.17	.03	1416765.77	430946.46
300.00	.29	13.80	300.00	.47	-.37	.47	.30	1416765.71	430946.76
400.00	.30	16.29	400.00	.97	-.24	.97	.02	1416765.84	430947.26
500.00	.33	36.80	500.00	1.45	.01	1.45	.12	1416766.09	430947.74
600.00	.16	68.61	600.00	1.73	.31	1.73	.21	1416766.39	430948.02
700.00	.08	106.66	700.00	1.76	.51	1.76	.11	1416766.59	430948.05
813.00	2.00	109.10	812.97	1.09	2.44	1.09	1.70	1416768.52	430947.38
905.00	.50	156.80	904.95	.20	4.12	.20	1.85	1416770.20	430946.49
996.00	.70	185.10	995.94	-.72	4.23	-.72	.39	1416770.31	430945.57
1088.00	.90	182.80	1087.93	-2.00	4.14	-2.00	.22	1416770.22	430944.29
1180.00	1.00	172.10	1179.92	-3.52	4.22	-3.52	.22	1416770.30	430942.77
1335.00	.90	155.80	1334.90	-5.97	4.90	-5.97	.19	1416770.98	430940.32
1523.00	1.10	140.30	1522.87	-8.70	6.66	-8.70	.18	1416772.74	430937.59
1712.00	1.20	119.50	1711.84	-11.07	9.54	-11.07	.23	1416775.62	430935.22
1899.00	1.70	148.40	1898.78	-14.40	12.70	-14.40	.47	1416778.78	430931.89
1993.00	1.00	336.20	1992.77	-14.84	13.10	-14.84	2.87	1416779.18	430931.45
2183.00	2.50	319.80	2182.67	-10.16	9.75	-10.16	.82	1416775.83	430936.13
2278.00	1.90	276.00	2277.61	-8.41	6.85	-8.41	1.82	1416772.93	430937.88
2372.00	.50	148.20	2371.59	-8.59	5.52	-8.59	2.38	1416771.60	430937.70
2467.00	1.00	159.50	2466.59	-9.72	6.03	-9.72	.55	1416772.11	430936.57
2561.00	1.70	160.60	2560.56	-11.81	6.78	-11.81	.75	1416772.86	430934.48
2654.00	1.40	180.50	2653.53	-14.24	7.22	-14.24	.66	1416773.30	430932.05
2749.00	2.40	244.20	2748.48	-16.27	5.42	-16.27	2.29	1416771.50	430930.02

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	Grid X FT	Grid Y FT
2844.00	1.50	203.70	2843.43	-18.27	3.13	-18.27	1.68	1416769.21	430928.02
2938.00	.70	152.40	2937.41	-19.91	2.90	-19.91	1.27	1416768.98	430926.38
3033.00	1.00	170.90	3032.40	-21.24	3.30	-21.24	.42	1416769.38	430925.05
3127.00	1.30	182.70	3126.38	-23.12	3.38	-23.12	.41	1416769.46	430923.17
3221.00	1.60	193.50	3220.35	-25.46	3.03	-25.46	.43	1416769.11	430920.83
3315.00	2.00	195.20	3314.31	-28.32	2.29	-28.32	.43	1416768.37	430917.97
3410.00	1.10	159.00	3409.27	-30.77	2.18	-30.77	1.36	1416768.26	430915.52
3503.00	.50	198.80	3502.26	-31.99	2.37	-31.99	.84	1416768.45	430914.30
3598.00	1.20	218.80	3597.25	-33.15	1.61	-33.15	.79	1416767.69	430913.14
3692.00	1.50	218.10	3691.23	-34.89	.24	-34.89	.32	1416766.32	430911.40
3786.00	1.90	216.10	3785.19	-37.12	-1.44	-37.12	.43	1416764.64	430909.17
3881.00	2.30	209.50	3880.12	-40.05	-3.30	-40.05	.49	1416762.78	430906.24
3976.00	2.80	208.50	3975.03	-43.75	-5.35	-43.75	.53	1416760.73	430902.54
4070.00	2.40	204.40	4068.93	-47.56	-7.26	-47.56	.47	1416758.82	430898.73
4165.00	1.60	184.40	4163.87	-50.69	-8.18	-50.69	1.11	1416757.90	430895.60
4259.00	2.50	189.00	4257.81	-54.02	-8.60	-54.02	.97	1416757.48	430892.27
4354.00	2.00	207.50	4352.74	-57.54	-9.69	-57.54	.92	1416756.39	430888.75
4481.00	1.30	230.40	4479.69	-60.43	-11.83	-60.43	.75	1416754.25	430885.86
4575.00	1.30	250.70	4573.66	-61.46	-13.66	-61.46	.49	1416752.42	430884.83
4670.00	1.60	237.30	4668.63	-62.53	-15.79	-62.53	.47	1416750.29	430883.76
4764.00	1.20	268.10	4762.61	-63.27	-17.88	-63.27	.89	1416748.20	430883.02
4858.00	1.00	231.00	4856.59	-63.82	-19.50	-63.82	.77	1416746.58	430882.47
4953.00	1.70	218.60	4951.56	-65.44	-21.02	-65.44	.79	1416745.06	430880.85
5048.00	2.20	215.60	5046.51	-68.03	-22.96	-68.03	.54	1416743.12	430878.26
5143.00	2.20	234.30	5141.44	-70.57	-25.50	-70.57	.75	1416740.58	430875.72
5237.00	1.30	257.50	5235.40	-71.86	-28.01	-71.86	1.20	1416738.07	430874.43
5331.00	.40	284.80	5329.38	-72.00	-29.37	-72.00	1.02	1416736.71	430874.29
5425.00	.90	253.60	5423.38	-72.13	-30.39	-72.13	.63	1416735.69	430874.16
5520.00	2.20	241.20	5518.34	-73.22	-32.71	-73.22	1.41	1416733.37	430873.07
5614.00	3.50	240.50	5612.22	-75.50	-36.79	-75.50	1.38	1416729.29	430870.79
5709.00	3.40	231.60	5707.05	-78.68	-41.52	-78.68	.57	1416724.56	430867.61
5803.00	2.30	251.40	5800.94	-81.01	-45.49	-81.01	1.55	1416720.59	430865.28
5898.00	2.10	223.70	5895.87	-82.88	-48.50	-82.88	1.13	1416717.58	430863.41
5992.00	2.70	243.40	5989.79	-85.11	-51.67	-85.11	1.08	1416714.41	430861.18
6087.00	1.40	184.70	6084.73	-87.27	-53.77	-87.27	2.43	1416712.31	430859.02
6181.00	1.50	145.40	6178.71	-89.43	-53.16	-89.43	1.04	1416712.92	430856.86
6276.00	1.70	146.90	6273.67	-91.63	-51.69	-91.63	.22	1416714.39	430854.66
6315.00	1.70	149.40	6312.65	-92.62	-51.07	-92.62	.19	1416715.01	430853.67
6406.00	2.60	149.80	6403.59	-95.56	-49.35	-95.56	.99	1416716.73	430850.73
6469.00	2.80	164.40	6466.52	-98.28	-48.22	-98.28	1.13	1416717.86	430848.01
6563.00	2.50	214.10	6560.43	-102.19	-48.75	-102.19	2.39	1416717.33	430844.10
6658.00	.70	277.00	6655.39	-103.83	-50.49	-103.83	2.39	1416715.59	430842.46
6752.00	1.70	224.50	6749.37	-104.76	-52.03	-104.76	1.48	1416714.05	430841.53
6847.00	3.40	213.00	6844.28	-108.13	-54.56	-108.13	1.86	1416711.52	430838.16
6941.00	1.20	274.90	6938.20	-110.38	-57.06	-110.38	3.22	1416709.02	430835.91

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	Grid X FT	Grid Y FT
7036.00	1.80	241.90	7033.17	-111.00	-59.36	-111.00	1.08	1416706.72	430835.29
7130.00	1.60	236.90	7127.13	-112.41	-61.76	-112.41	.26	1416704.32	430833.88
7224.00	1.00	25.10	7221.12	-112.39	-62.52	-112.39	2.67	1416703.56	430833.90
7318.00	1.10	173.00	7315.12	-112.54	-62.06	-112.54	2.15	1416704.02	430833.75
7413.00	2.90	200.30	7410.06	-115.70	-62.78	-115.70	2.09	1416703.30	430830.59
7507.00	1.10	264.20	7504.00	-118.02	-64.50	-118.02	2.78	1416701.58	430828.27
7602.00	2.00	193.00	7598.97	-119.73	-65.78	-119.73	2.05	1416700.30	430826.56
7697.00	.70	257.80	7693.95	-121.46	-66.72	-121.46	1.91	1416699.36	430824.83
7791.00	1.60	223.40	7787.93	-122.54	-68.19	-122.54	1.17	1416697.89	430823.75
7854.00	2.30	208.40	7850.89	-124.29	-69.39	-124.29	1.37	1416696.69	430822.00

Projected to TD

7903.00	2.30	208.40	7899.85	-126.02	-70.33	-126.02	.00	1416695.75	430820.27
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Company: Gulfport Energy
Lease/Well: Ellgen 11-10-1
Location: Moffatt County
State/Country: Colorado

