

Company: Foundation Energy Management
WellName: Banta Ridge Federal #6-18
Location:

Vertical Section calculated on an Azimuth of: 57.6408

Survey Calculation Method: Minimum Curvature

FileName: F:\WELL REPORTS\Foundation Energy\Banta Ridge Federa 6-18\Directional Plan Survey.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
0	0.00	0.00	57.64	0.00	6055.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	57.64	100.00	5955.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	57.64	200.00	5855.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	57.64	300.00	5755.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	400.00	0.00	57.64	400.00	5655.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	473.00	0.00	57.64	473.00	5582.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	500.00	0.81	57.64	500.00	5555.00	0.10	0.16	0.19	3.00	3.00	0.00	
7	600.00	3.81	57.64	599.91	5455.09	2.26	3.57	4.22	3.00	3.00	0.00	
8	700.00	6.81	57.64	699.47	5355.53	7.21	11.38	13.47	3.00	3.00	0.00	
9	800.00	9.81	57.64	798.40	5256.60	14.95	23.59	27.93	3.00	3.00	0.00	
10	900.00	12.81	57.64	896.45	5158.55	25.44	40.15	47.54	3.00	3.00	0.00	
11	1000.00	15.81	57.64	993.34	5061.66	38.67	61.03	72.25	3.00	3.00	0.00	
12	1100.00	18.81	57.64	1088.80	4966.20	54.59	86.16	102.00	3.00	3.00	0.00	
13	1200.00	21.81	57.64	1182.57	4872.43	73.17	115.48	136.71	3.00	3.00	0.00	
14	1300.00	24.81	57.64	1274.40	4780.60	94.35	148.90	176.27	3.00	3.00	0.00	
15	1373.00	27.00	57.64	1340.06	4714.94	111.41	175.84	208.16	3.00	3.00	0.00	TOS, Hold 27°
16	1400.00	27.00	57.64	1364.12	4690.88	117.97	186.19	220.42	0.00	0.00	0.00	
17	1500.00	27.00	57.64	1453.22	4601.78	142.27	224.54	265.82	0.00	0.00	0.00	
18	1600.00	27.00	57.64	1542.32	4512.68	166.57	262.89	311.22	0.00	0.00	0.00	
19	1700.00	27.00	57.64	1631.42	4423.58	190.87	301.24	356.62	0.00	0.00	0.00	
20	1800.00	27.00	57.64	1720.52	4334.48	215.17	339.59	402.02	0.00	0.00	0.00	
21	1900.00	27.00	57.64	1809.62	4245.38	239.47	377.94	447.42	0.00	0.00	0.00	
22	2000.00	27.00	57.64	1898.72	4156.28	263.77	416.28	492.81	0.00	0.00	0.00	
23	2100.00	27.00	57.64	1987.82	4067.18	288.07	454.63	538.21	0.00	0.00	0.00	
24	2200.00	27.00	57.64	2076.92	3978.08	312.36	492.98	583.61	0.00	0.00	0.00	
25	2300.00	27.00	57.64	2166.02	3888.98	336.66	531.33	629.01	0.00	0.00	0.00	
26	2400.00	27.00	57.64	2255.12	3799.88	360.96	569.68	674.41	0.00	0.00	0.00	
27	2500.00	27.00	57.64	2344.22	3710.78	385.26	608.03	719.81	0.00	0.00	0.00	
28	2600.00	27.00	57.64	2433.32	3621.68	409.56	646.38	765.21	0.00	0.00	0.00	
29	2700.00	27.00	57.64	2522.42	3532.58	433.86	684.73	810.61	0.00	0.00	0.00	
30	2800.00	27.00	57.64	2611.52	3443.48	458.16	723.08	856.01	0.00	0.00	0.00	
31	2900.00	27.00	57.64	2700.62	3354.38	482.46	761.43	901.41	0.00	0.00	0.00	
32	3000.00	27.00	57.64	2789.73	3265.27	506.75	799.77	946.80	0.00	0.00	0.00	
33	3100.00	27.00	57.64	2878.83	3176.17	531.05	838.12	992.20	0.00	0.00	0.00	
34	3200.00	27.00	57.64	2967.93	3087.07	555.35	876.47	1037.60	0.00	0.00	0.00	
35	3300.00	27.00	57.64	3057.03	2997.97	579.65	914.82	1083.00	0.00	0.00	0.00	
36	3400.00	27.00	57.64	3146.13	2908.87	603.95	953.17	1128.40	0.00	0.00	0.00	
37	3500.00	27.00	57.64	3235.23	2819.77	628.25	991.52	1173.80	0.00	0.00	0.00	
38	3594.90	27.00	57.64	3319.78	2735.22	651.31	1027.91	1216.88	0.00	0.00	0.00	
39	3600.00	26.80	57.64	3324.33	2730.67	652.54	1029.86	1219.19	4.00	4.00	0.00	TOD, D.G. =4°/100'
40	3700.00	22.80	57.64	3415.10	2639.90	674.98	1065.28	1261.12	4.00	4.00	0.00	

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Location:

Vertical Section calculated on an Azimuth of: 57.6408

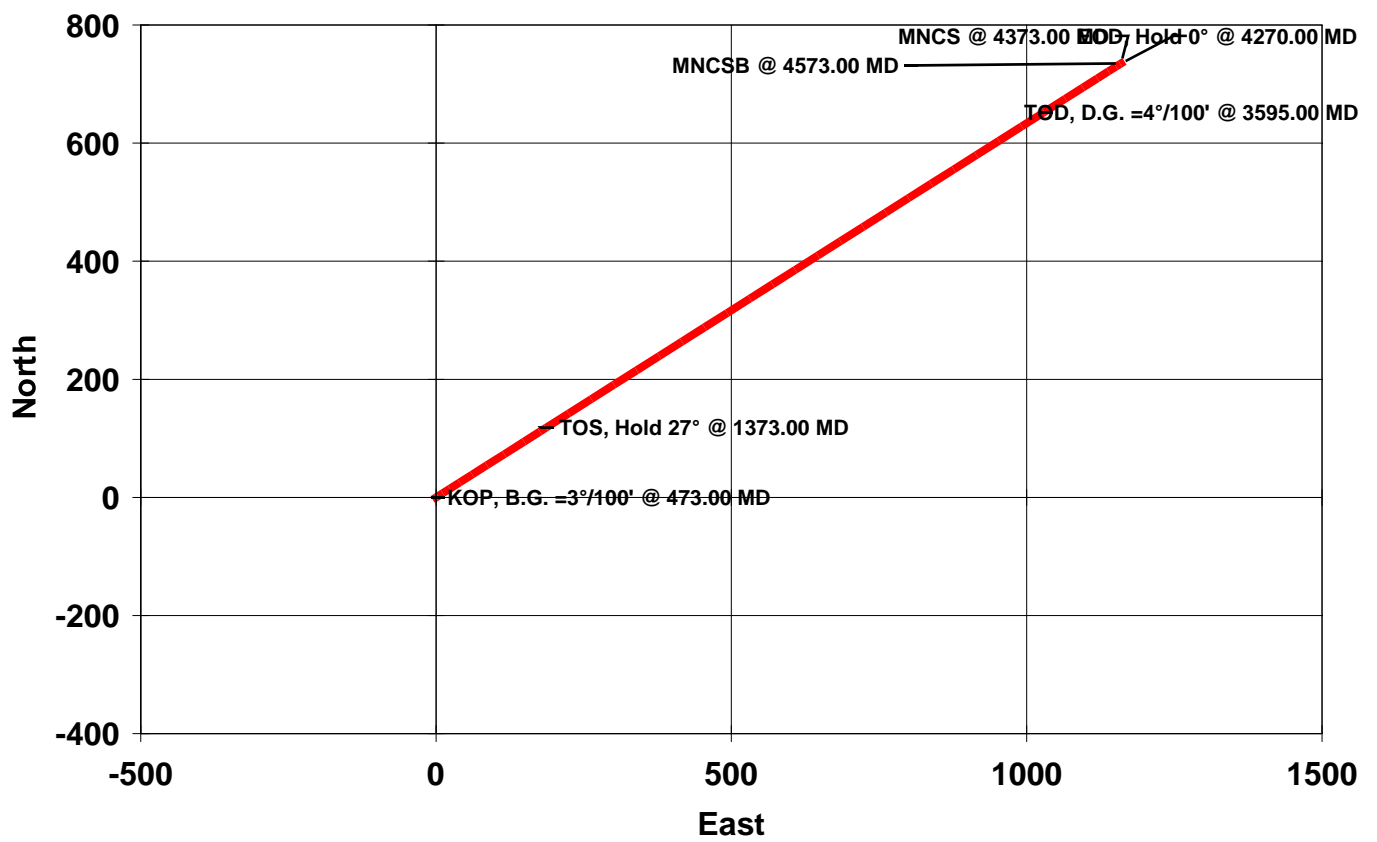
Survey Calculation Method: Minimum Curvature

FileName: F:\WELL REPORTS\Foundation Energy\Banta Ridge Federa 6-18\Directional Plan Survey.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
41	3800.00	18.80	57.64	3508.56	2546.44	693.98	1095.27	1296.62	4.00	4.00	0.00	
42	3900.00	14.80	57.64	3604.28	2450.72	709.45	1119.67	1325.51	4.00	4.00	0.00	
43	4000.00	10.80	57.64	3701.77	2353.23	721.30	1138.37	1347.65	4.00	4.00	0.00	
44	4100.00	6.80	57.64	3800.58	2254.42	729.48	1151.29	1362.94	4.00	4.00	0.00	
45	4200.00	2.80	57.64	3900.21	2154.79	733.95	1158.35	1371.30	4.00	4.00	0.00	
46	4269.90	0.00	57.64	3970.08	2084.92	734.87	1159.79	1373.01	4.00	4.00	0.00	
47	4300.00	0.00	57.64	4000.18	2054.82	734.87	1159.79	1373.01	0.00	0.00	0.00	EOD, Hold 0°
Int	4372.82	0.00	0.00	4073.00	1982.00	734.87	1159.79	1373.01	---	---	---	MNCS
49	4400.00	0.00	57.64	4100.18	1954.82	734.87	1159.79	1373.01	0.00	0.00	0.00	
50	4500.00	0.00	57.64	4200.18	1854.82	734.87	1159.79	1373.01	0.00	0.00	0.00	
Int	4572.82	0.00	0.00	4273.00	1782.00	734.87	1159.79	1373.01	---	---	---	MNCSB
52	4600.00	0.00	57.64	4300.18	1754.82	734.87	1159.79	1373.01	0.00	0.00	0.00	
53	4700.00	0.00	57.64	4400.18	1654.82	734.87	1159.79	1373.01	0.00	0.00	0.00	
54	4800.00	0.00	57.64	4500.18	1554.82	734.87	1159.79	1373.01	0.00	0.00	0.00	
55	4900.00	0.00	57.64	4600.18	1454.82	734.87	1159.79	1373.01	0.00	0.00	0.00	
56	4919.82	0.00	57.64	4620.00	1435.00	734.87	1159.79	1373.01	0.00	0.00	0.00	

Closure is 1373.0052 meters on an Azimuth of 57.6408

Plan View
Banta Ridge Federal #6-18



Section View
Banta Ridge Federal #6-18

