

# Minimum Curvature Directional Program Bliss 14-3

SE/SW Sec 3, T5N, R65W

Surface Location: 320' FSL & 1970' FWL  
Bottomhole Location: 780' FSL & 1980' FWL



01201171



Target Azimuth

1.25 degrees

Measured Depth	Inclination Degrees	Azimuth Degrees	TVD Feet	d North	North Feet	d East	East Feet	DOGLEG Severity	Vertical Section
0	0.00	1.25							
500	0.00	1.25	500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100	0.00	1.25	2100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300	0.00	1.25	2300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500	0.00	1.25	2500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600	0.00	1.25	2600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700	3.00	1.25	2699.93	2.62	2.62	0.06	0.06	0.00	0.00
2,800	6.00	1.25	2799.59	7.84	10.46	0.17	0.23	3.00	2.62
2,900	9.00	1.25	2898.70	13.05	23.50	0.28	0.51	3.00	10.46
3,000	9.00	1.25	2997.09	15.58	39.08	0.34	0.85	0.00	23.51
3,099	9.00	1.25	3095.47	15.58	54.66	0.34	1.19	0.00	39.09
3,199	9.00	1.25	3193.86	15.58	70.24	0.34	1.53	0.00	54.67
3,298	9.00	1.25	3292.24	15.58	85.82	0.34	1.87	0.00	70.26
3,398	9.00	1.25	3390.63	15.58	101.40	0.34	2.20	0.00	85.84
3,498	9.00	1.25	3489.01	15.58	116.98	0.34	2.54	0.00	101.42
3,597	9.00	1.25	3587.40	15.58	132.56	0.34	2.88	0.00	117.00
3,697	9.00	1.25	3685.78	15.58	148.14	0.34	3.22	0.00	132.59
3,797	9.00	1.25	3784.17	15.58	163.71	0.34	3.56	0.00	148.17
3,896	9.00	1.25	3882.55	15.58	179.29	0.34	3.90	0.00	163.75
3,996	9.00	1.25	3980.94	15.58	194.87	0.34	4.24	0.00	179.34
4,095	9.00	1.25	4079.32	15.58	210.45	0.34	4.58	0.00	194.92
4,195	9.00	1.25	4177.71	15.58	226.03	0.34	4.91	0.00	210.50
4,295	9.00	1.25	4276.10	15.58	241.61	0.34	5.25	0.00	226.08
4,394	9.00	1.25	4374.48	15.58	257.19	0.34	5.59	0.00	241.67
4,494	9.00	1.25	4472.87	15.58	272.77	0.34	5.93	0.00	257.25
4,593	9.00	1.25	4571.25	15.58	288.35	0.34	6.27	0.00	272.83
4,693	9.00	1.25	4669.64	15.58	303.93	0.34	6.61	0.00	288.41
4,793	9.00	1.25	4768.02	15.58	319.50	0.34	6.95	0.00	304.00
4,892	9.00	1.25	4866.41	15.58	335.08	0.34	7.28	0.00	319.58
4,992	9.00	1.25	4964.79	15.58	350.66	0.34	7.62	0.00	335.16
5,091	9.00	1.25	5063.18	15.58	366.24	0.34	7.96	0.00	350.75
5,191	9.00	1.25	5161.56	15.58	381.82	0.34	8.30	0.00	366.33
5,291	9.00	1.25	5259.95	15.58	397.40	0.34	8.64	0.00	381.91
5,390	9.00	1.25	5358.34	15.58	412.98	0.34	8.98	0.00	397.49
5,490	7.50	1.25	5457.29	14.34	427.32	0.31	9.29	1.50	413.08
5,590	6.00	1.25	5556.59	11.75	439.07	0.26	9.55	1.50	427.42
5,690	4.50	1.25	5656.16	9.15	448.22	0.20	9.74	1.50	439.18
5,790	3.00	1.25	5755.94	6.54	454.76	0.14	9.89	1.50	448.33
5,890	1.50	1.25	5855.85	3.92	458.68	0.09	9.97	1.50	454.87
5,990	0.00	1.25	5955.84	1.31	459.99	0.03	10.00	1.50	458.79
6,090	0.00	1.25	6055.84	0.00	459.99	0.00	10.00	1.50	460.10
6,190	0.00	1.25	6155.84	0.00	459.99	0.00	10.00	0.00	460.10
6,290	0.00	1.25	6255.84	0.00	459.99	0.00	10.00	0.00	460.10
6,490	0.00	1.25	6455.84	0.00	459.99	0.00	10.00	0.00	460.10
6,690	0.00	1.25	6655.84	0.00	459.99	0.00	10.00	0.00	460.10
6,890	0.00	1.25	6855.84	0.00	459.99	0.00	10.00	0.00	460.10
7,090	0.00	1.25	7055.84	0.00	459.99	0.00	10.00	0.00	460.10



# Plan View

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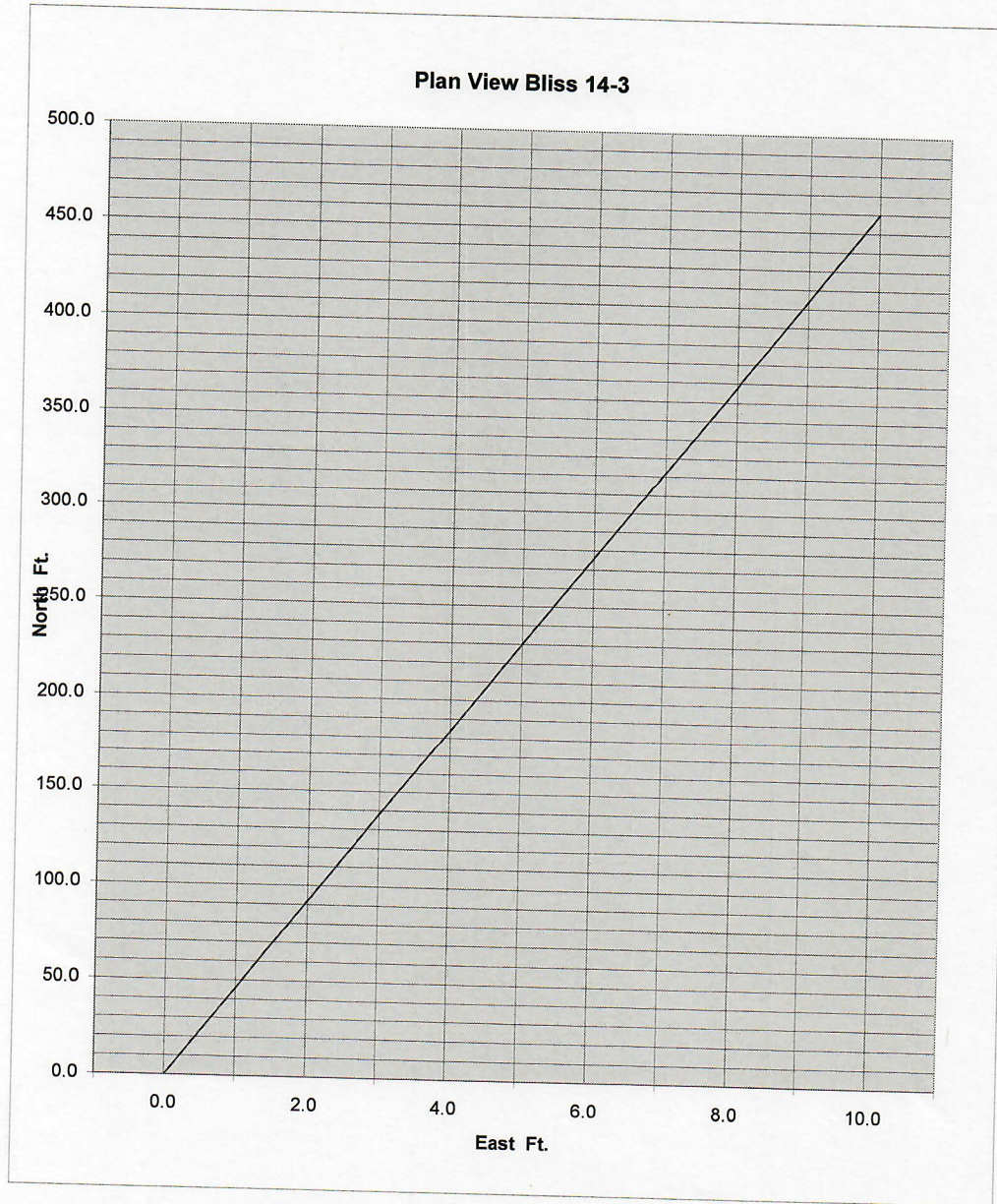
Surface Location: 320' FSL & 1970' FWL

Bottomhole Location: 780' FSL & 1980' FWL

Target Azimuth 1.25 degrees

Vertical Section 460.1087 ft.

East	North	
0.0	0.0	0.0
92.0	2.0	92.0
184.0	4.0	184.0
276.1	6.0	276.0
368.1	8.0	368.0
460.1	10.0	460.0





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