

Company: HRM RESOURCES, LLC
WellName: FRITZLER #0-2-21
Location: 21, 4N-66W

Vertical Section calculated on an Azimuth of: 309.4424

Survey Calculation Method: Minimum Curvature

FileName: F:\WELL REPORTS\HRM Resources LLC\Fritzler 12-21 Pad\FRITZLER #0-2-21.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	309.44	0.00	4746.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	309.44	100.00	4646.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	309.44	200.00	4546.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	309.44	300.00	4446.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	400.00	0.00	309.44	400.00	4346.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	500.00	0.00	309.44	500.00	4246.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	600.00	0.00	309.44	600.00	4146.00	0.00	0.00	0.00	0.00	0.00	0.00	
Surf. CSG												
7	700.00	0.00	309.44	700.00	4046.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	800.00	0.00	309.44	800.00	3946.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	900.00	0.00	309.44	900.00	3846.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	1000.00	0.00	309.44	1000.00	3746.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP, B.G. = 1' / 100'												
11	1065.00	0.00	309.44	1065.00	3681.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	1100.00	0.35	309.44	1100.00	3646.00	0.07	-0.08	0.11	1.00	1.00	0.00	
13	1200.00	1.35	309.44	1199.99	3546.01	1.01	-1.23	1.59	1.00	1.00	0.00	
14	1300.00	2.35	309.44	1299.93	3446.07	3.06	-3.72	4.82	1.00	1.00	0.00	
15	1400.00	3.35	309.44	1399.81	3346.19	6.22	-7.56	9.79	1.00	1.00	0.00	
16	1500.00	4.35	309.44	1499.58	3246.42	10.49	-12.75	16.51	1.00	1.00	0.00	
17	1600.00	5.35	309.44	1599.22	3146.78	15.86	-19.28	24.96	1.00	1.00	0.00	
18	1700.00	6.35	309.44	1698.70	3047.30	22.33	-27.15	35.15	1.00	1.00	0.00	
19	1765.00	7.00	309.44	1763.26	2982.74	27.13	-32.98	42.71	1.00	1.00	0.00	
20	1800.00	7.00	309.44	1798.00	2948.00	29.84	-36.28	46.97	0.00	0.00	0.00	
21	1900.00	7.00	309.44	1897.25	2848.75	37.58	-45.69	59.16	0.00	0.00	0.00	
22	2000.00	7.00	309.44	1996.51	2749.49	45.33	-55.10	71.35	0.00	0.00	0.00	
23	2100.00	7.00	309.44	2095.76	2650.24	53.07	-64.51	83.53	0.00	0.00	0.00	
24	2200.00	7.00	309.44	2195.02	2550.98	60.81	-73.92	95.72	0.00	0.00	0.00	
25	2300.00	7.00	309.44	2294.27	2451.73	68.55	-83.33	107.91	0.00	0.00	0.00	
26	2400.00	7.00	309.44	2393.53	2352.47	76.30	-92.74	120.09	0.00	0.00	0.00	
27	2500.00	7.00	309.44	2492.78	2253.22	84.04	-102.16	132.28	0.00	0.00	0.00	
28	2600.00	7.00	309.44	2592.04	2153.96	91.78	-111.57	144.47	0.00	0.00	0.00	
29	2700.00	7.00	309.44	2691.29	2054.71	99.52	-120.98	156.66	0.00	0.00	0.00	
30	2800.00	7.00	309.44	2790.55	1955.45	107.27	-130.39	168.84	0.00	0.00	0.00	
31	2900.00	7.00	309.44	2889.80	1856.20	115.01	-139.80	181.03	0.00	0.00	0.00	
32	3000.00	7.00	309.44	2989.05	1756.95	122.75	-149.21	193.22	0.00	0.00	0.00	
33	3100.00	7.00	309.44	3088.31	1657.69	130.49	-158.63	205.40	0.00	0.00	0.00	
34	3200.00	7.00	309.44	3187.56	1558.44	138.24	-168.04	217.59	0.00	0.00	0.00	
35	3300.00	7.00	309.44	3286.82	1459.18	145.98	-177.45	229.78	0.00	0.00	0.00	
36	3400.00	7.00	309.44	3386.07	1359.93	153.72	-186.86	241.96	0.00	0.00	0.00	
37	3500.00	7.00	309.44	3485.33	1260.67	161.46	-196.27	254.15	0.00	0.00	0.00	
38	3600.00	7.00	309.44	3584.58	1161.42	169.20	-205.68	266.34	0.00	0.00	0.00	
39	3700.00	7.00	309.44	3683.84	1062.16	176.95	-215.09	278.52	0.00	0.00	0.00	
40	3800.00	7.00	309.44	3783.09	962.91	184.69	-224.51	290.71	0.00	0.00	0.00	

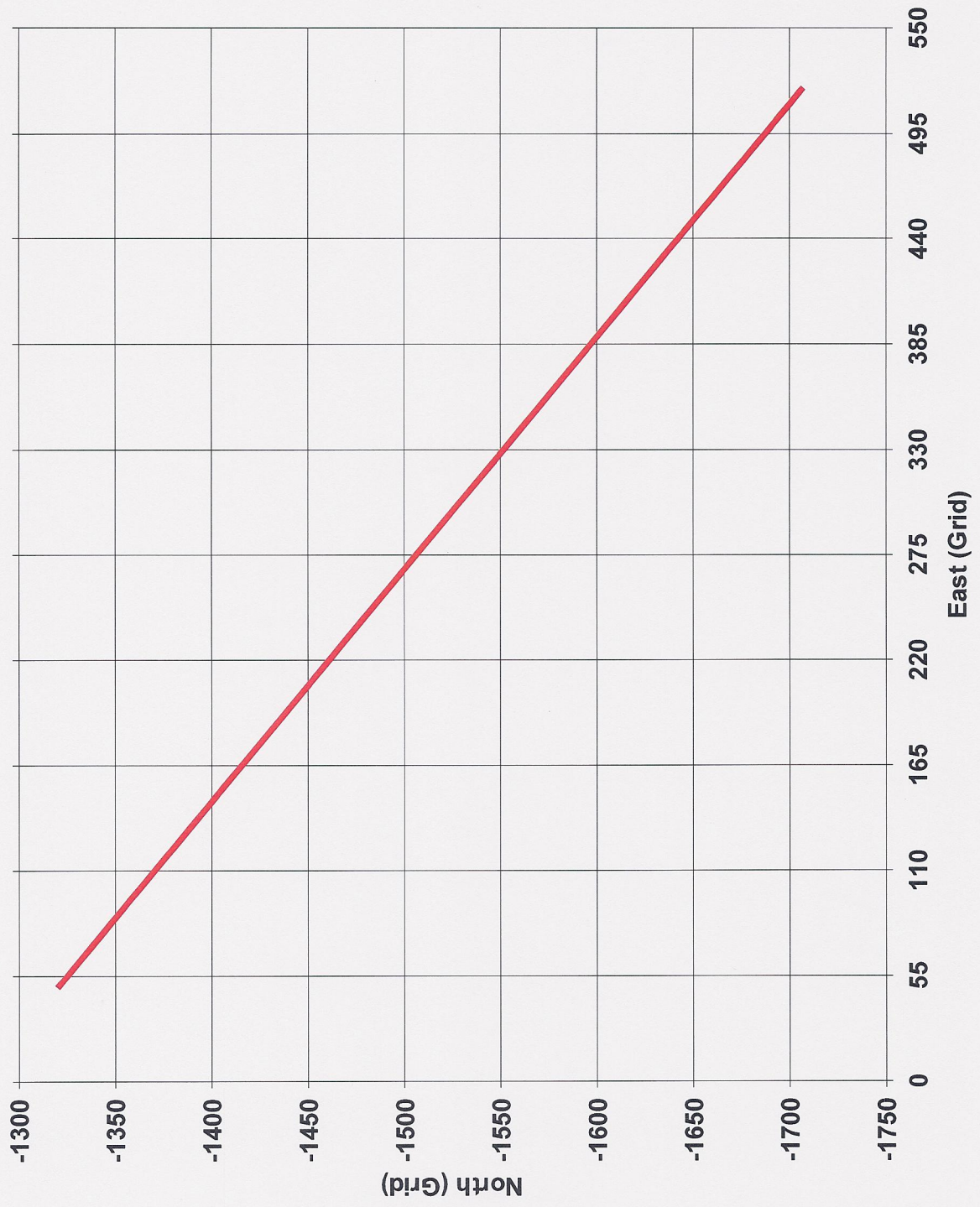
Company: HRM RESOURCES, LLC
WellName: FRITZLER #0-2-21
Location: 21, 4N-66W

Vertical Section calculated on an Azimuth of: 309.4424
Survey Calculation Method: Minimum Curvature
FileName: F:\WELL REPORTS\HRM Resources LLC\Fritzler 12-21 Pad\FRITZLER #0-2-21.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Tmrate /100 ft	Comment
41	3900.00	7.00	309.44	3882.35	83.65	192.43	-233.92	302.90	0.00	0.00	0.00	
42	4000.00	7.00	309.44	3981.60	764.40	200.17	-243.33	315.09	0.00	0.00	0.00	
43	4100.00	7.00	309.44	4080.86	665.14	207.92	-252.74	327.27	0.00	0.00	0.00	
44	4200.00	7.00	309.44	4180.11	565.89	215.66	-262.15	339.46	0.00	0.00	0.00	
45	4300.00	7.00	309.44	4279.36	466.64	223.40	-271.56	351.65	0.00	0.00	0.00	
46	4400.00	7.00	309.44	4378.62	367.38	231.14	-280.98	363.83	0.00	0.00	0.00	
47	4500.00	7.00	309.44	4477.87	268.13	238.89	-290.39	376.02	0.00	0.00	0.00	
48	4600.00	7.00	309.44	4577.13	168.87	246.63	-299.80	388.21	0.00	0.00	0.00	
49	4700.00	7.00	309.44	4676.38	69.62	254.37	-309.21	400.39	0.00	0.00	0.00	
50	4800.00	7.00	309.44	4775.64	-29.64	262.11	-318.62	412.58	0.00	0.00	0.00	
51	4900.00	7.00	309.44	4874.89	-128.89	269.86	-328.03	424.77	0.00	0.00	0.00	
52	5000.00	7.00	309.44	4974.15	-228.15	277.60	-337.44	436.95	0.00	0.00	0.00	
53	5100.00	7.00	309.44	5073.40	-327.40	285.34	-346.86	449.14	0.00	0.00	0.00	
54	5200.00	7.00	309.44	5172.65	-426.65	293.08	-356.27	461.33	0.00	0.00	0.00	
55	5300.00	7.00	309.44	5271.91	-525.91	300.83	-365.68	473.52	0.00	0.00	0.00	
56	5400.00	7.00	309.44	5371.16	-625.16	308.57	-375.09	485.70	0.00	0.00	0.00	
57	5500.00	7.00	309.44	5470.42	-724.42	316.31	-384.50	497.89	0.00	0.00	0.00	
58	5600.00	7.00	309.44	5569.67	-823.67	324.05	-393.91	510.08	0.00	0.00	0.00	
59	5700.00	7.00	309.44	5668.93	-922.93	331.80	-403.32	522.26	0.00	0.00	0.00	
60	5800.00	7.00	309.44	5768.18	-1022.18	339.54	-412.74	534.45	0.00	0.00	0.00	
61	5900.00	7.00	309.44	5867.43	-1121.43	347.28	-422.15	546.64	0.00	0.00	0.00	
62	6000.00	7.00	309.44	5966.69	-1220.69	355.02	-431.56	558.82	0.00	0.00	0.00	
63	6034.90	7.00	309.44	6001.33	-1255.33	357.72	-434.84	563.08	0.00	0.00	0.00	
TOD, D.G.= 1"/100'												
64	6100.00	6.35	309.44	6065.99	-1319.99	362.53	-440.69	570.64	1.00	1.00	0.00	
65	6200.00	5.35	309.44	6165.47	-1419.47	369.01	-448.56	580.83	1.00	1.00	0.00	
66	6300.00	4.35	309.44	6265.11	-1519.11	374.38	-455.09	589.29	1.00	1.00	0.00	
67	6400.00	3.35	309.44	6364.88	-1618.88	378.64	-460.27	596.00	1.00	1.00	0.00	
68	6500.00	2.35	309.44	6464.75	-1718.75	381.80	-464.11	600.97	1.00	1.00	0.00	
69	6600.00	1.35	309.44	6564.70	-1818.70	383.85	-466.60	604.20	1.00	1.00	0.00	
70	6700.00	0.35	309.44	6664.69	-1918.69	384.79	-467.74	605.68	1.00	1.00	0.00	
71	6734.90	0.00	309.44	6699.59	-1953.59	384.86	-467.83	605.78	1.00	1.00	0.00	
EOD, Hold 0°												
72	6800.00	0.00	309.44	6764.69	-2018.69	384.86	-467.83	605.78	0.00	0.00	0.00	
73	6900.00	0.00	309.44	6864.69	-2118.69	384.86	-467.83	605.78	0.00	0.00	0.00	
74	7000.00	0.00	309.44	6964.69	-2218.69	384.86	-467.83	605.78	0.00	0.00	0.00	
75	7100.00	0.00	309.44	7064.69	-2318.69	384.86	-467.83	605.78	0.00	0.00	0.00	
76	7200.00	0.00	309.44	7164.69	-2418.69	384.86	-467.83	605.78	0.00	0.00	0.00	
77	7300.00	0.00	309.44	7264.69	-2518.69	384.86	-467.83	605.78	0.00	0.00	0.00	
78	7335.31	0.00	309.44	7300.00	-2554.00	384.86	-467.83	605.78	0.00	0.00	0.00	

Closure is 605.7849 feet on an Azimuth of 309.4424

Plan View
FRITZLER #0-2-21



Section View
FRITZLER #0-2-21

