



Well Connie 3206 2-32H
Company SandRidge
Rig Lariat 39
County Harper

MWD Operators Matt Stanaland
DIRECTIONAL DRILLERS: Doug Bennet / Brandon Crossley
Magnetic Declination: 4.51
Job #: DR1211171

Minimum Curvature Calculation

Vertical Section Azimuth 359.13

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/ 100	BUR	WR
Tie	0	0.00	0.00							
1	933	0.70	323.30	932.98	4.57	-3.41	4.62	0.08	0.08	3.93
2	1393	0.80	346.10	1392.94	9.94	-5.86	10.03	0.07	0.02	4.96
3	1869	0.10	269.70	1868.92	13.16	-7.07	13.27	0.16	-0.15	-16.05
4	2344	0.70	340.70	2343.91	15.90	-8.44	16.03	0.14	0.13	14.95
5	2818	0.20	303.00	2817.89	19.08	-10.09	19.23	0.12	-0.11	-7.95
6	3293	0.50	71.20	3292.89	20.20	-8.83	20.33	0.14	0.06	-26.99
7	3546	0.60	95.70	3545.88	20.43	-6.46	20.52	0.10	0.04	9.68
8	3576	0.30	22.90	3575.88	20.48	-6.28	20.58	1.95	-1.00	-242.67
9	3608	1.90	9.80	3607.87	21.08	-6.16	21.17	5.03	5.00	-40.94
10	3639	5.20	4.20	3638.81	22.99	-5.96	23.08	10.69	10.65	-18.06
11	3671	8.10	2.30	3670.59	26.69	-5.77	26.78	9.09	9.06	-5.94
12	3703	10.70	1.30	3702.15	31.91	-5.61	32.00	8.14	8.13	-3.13
13	3734	13.50	1.10	3732.46	38.41	-5.48	38.49	9.03	9.03	-0.65
14	3766	15.60	2.90	3763.44	46.44	-5.19	46.52	6.71	6.56	5.63
15	3798	17.30	1.50	3794.12	55.50	-4.84	55.56	5.45	5.31	-4.38
16	3829	19.10	0.60	3823.57	65.18	-4.67	65.24	5.88	5.81	-2.90
17	3861	21.30	359.20	3853.60	76.23	-4.70	76.29	7.04	6.88	4.38
18	3893	23.90	358.20	3883.14	88.52	-4.98	88.58	8.21	8.12	-3.13
19	3924	26.10	357.00	3911.24	101.61	-5.54	101.68	7.28	7.10	-3.87
20	3956	28.70	356.20	3939.64	116.30	-6.41	116.39	8.21	8.12	-2.50
21	3988	31.00	356.40	3967.40	132.20	-7.44	132.30	7.19	7.19	0.62
22	4019	32.80	358.20	3993.72	148.56	-8.20	148.67	6.57	5.81	5.81
23	4051	34.20	359.90	4020.40	166.22	-8.49	166.33	5.27	4.38	5.31
24	4083	35.10	358.90	4046.72	184.41	-8.69	184.52	3.33	2.81	-3.13
25	4114	37.40	358.50	4071.72	202.73	-9.10	202.85	7.46	7.42	-1.29
26	4146	39.50	358.90	4096.78	222.63	-9.55	222.75	6.61	6.56	1.25
27	4177	41.30	0.90	4120.39	242.71	-9.58	242.83	7.15	5.81	-6.45
28	4209	43.40	1.50	4144.04	264.27	-9.13	264.37	6.68	6.56	1.88
29	4241	46.00	1.90	4166.78	286.76	-8.46	286.86	8.17	8.13	1.25
30	4272	48.90	1.30	4187.74	309.59	-7.82	309.67	9.46	9.35	-1.94
31	4304	52.00	1.50	4208.12	334.25	-7.22	334.32	9.70	9.69	0.63
32	4367	52.20	0.50	4246.82	383.96	-6.35	384.01	1.29	0.32	-1.59
33	4431	51.50	359.20	4286.35	434.28	-6.48	434.33	1.94	-1.09	2.03
34	4462	51.20	358.80	4305.71	458.49	-6.90	458.54	1.40	-0.97	-1.29
35	4494	51.60	358.80	4325.68	483.49	-7.43	483.55	1.25	1.25	0.00
36	4526	53.90	358.00	4345.05	508.95	-8.14	509.02	7.46	7.19	-2.50
37	4557	56.70	358.90	4362.69	534.43	-8.83	534.50	9.34	9.03	2.90
38	4589	59.90	359.70	4379.50	561.65	-9.16	561.72	10.22	10.00	2.50



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39	4620	62.60	1.40	4394.41	588.82	-8.89	588.89	9.95	8.71	-5.48
40	4652	64.80	1.90	4408.59	617.49	-8.06	617.54	7.02	6.87	1.56
41	4684	67.70	1.80	4421.48	646.76	-7.12	646.80	9.07	9.06	-0.31
42	4715	70.10	1.00	4432.64	675.68	-6.41	675.70	8.11	7.74	-2.58
43	4747	73.00	0.40	4442.76	706.03	-6.04	706.04	9.24	9.06	-1.88
44	4778	75.60	359.90	4451.15	735.87	-5.97	735.87	8.53	8.39	1.61
45	4810	77.20	359.40	4458.68	766.97	-6.16	766.97	5.23	5.00	-1.56
46	4842	77.90	358.90	4465.57	798.21	-6.62	798.22	2.67	2.19	-1.56
47	4873	80.00	358.70	4471.52	828.63	-7.26	828.64	6.80	6.77	-0.65
48	4905	82.60	358.90	4476.36	860.25	-7.92	860.27	8.15	8.12	0.62
49	4937	83.60	359.20	4480.20	892.01	-8.45	892.04	3.26	3.13	0.94
50	4968	85.60	359.40	4483.12	922.87	-8.82	922.90	6.48	6.45	0.65
51	5000	87.50	359.50	4485.04	954.81	-9.13	954.84	5.95	5.94	0.31
52	5032	88.10	359.30	4486.27	986.79	-9.47	986.82	1.98	1.87	-0.62
53	5060	89.70	358.90	4486.81	1014.78	-9.90	1014.81	5.89	5.71	-1.43
54	5139	90.40	358.90	4486.74	1093.76	-11.42	1093.81	0.89	0.89	0.00
55	5171	90.10	359.20	4486.60	1125.76	-11.95	1125.81	1.33	-0.94	0.94
56	5266	90.10	359.10	4486.43	1220.75	-13.36	1220.81	0.11	0.00	-0.11
57	5361	89.80	358.50	4486.52	1315.72	-15.35	1315.81	0.71	-0.32	-0.63
58	5456	89.10	358.00	4487.43	1410.67	-18.25	1410.79	0.91	-0.74	-0.53
59	5548	88.90	358.30	4489.04	1502.61	-21.22	1502.76	0.39	-0.22	0.33
60	5640	89.40	359.10	4490.40	1594.58	-23.31	1594.75	1.03	0.54	0.87
61	5732	89.30	358.20	4491.44	1686.54	-25.48	1686.74	0.98	-0.11	-0.98
62	5824	90.10	359.70	4491.93	1778.52	-27.16	1778.73	1.85	0.87	1.63
63	5916	89.30	359.40	4492.41	1870.52	-27.88	1870.73	0.93	-0.87	-0.33
64	6008	91.00	359.80	4492.17	1962.51	-28.53	1962.72	1.90	1.85	0.43
65	6100	93.10	359.80	4488.88	2054.45	-28.85	2054.65	2.28	2.28	0.00
66	6192	93.40	0.40	4483.66	2146.30	-28.69	2146.49	0.73	0.33	-0.65
67	6284	91.60	359.60	4479.65	2238.21	-28.69	2238.39	2.14	-1.96	0.87
68	6376	90.10	358.60	4478.28	2330.18	-30.13	2330.37	1.96	-1.63	-1.09
69	6468	90.00	359.10	4478.20	2422.16	-31.98	2422.37	0.55	-0.11	0.54
70	6560	90.00	358.00	4478.20	2514.13	-34.31	2514.36	1.20	0.00	-1.20
71	6652	89.70	357.40	4478.44	2606.06	-38.00	2606.33	0.73	-0.33	-0.65
72	6744	88.30	356.30	4480.05	2697.90	-43.05	2698.24	1.94	-1.52	-1.20
73	6836	89.70	356.80	4481.65	2789.72	-48.59	2790.13	1.62	1.52	0.54
74	6931	88.80	356.50	4482.90	2884.55	-54.14	2885.04	1.00	-0.95	-0.32
75	7026	89.80	358.70	4484.06	2979.45	-58.12	2979.99	2.54	1.05	2.32
76	7121	90.10	358.20	4484.14	3074.41	-60.69	3074.98	0.61	0.32	-0.53
77	7216	90.60	357.70	4483.56	3169.35	-64.08	3169.96	0.74	0.53	-0.53



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78	7311	92.40	359.10	4481.07	3264.28	-66.74	3264.91	2.40	1.89	1.47
79	7406	92.60	358.60	4476.93	3359.17	-68.64	3359.82	0.57	0.21	-0.53
80	7501	93.20	0.30	4472.12	3454.04	-69.55	3454.69	1.90	0.63	-1.79
81	7595	90.90	0.00	4468.76	3547.97	-69.31	3548.61	2.47	-2.45	-0.32
82	7690	90.40	359.60	4467.68	3642.96	-69.64	3643.60	0.67	-0.53	0.42
83	7785	89.50	0.20	4467.77	3737.96	-69.80	3738.59	1.14	-0.95	-0.63
84	7848	87.90	0.10	4469.20	3800.94	-69.64	3801.56	2.54	-2.54	-0.16
85	7880	85.70	1.10	4470.98	3832.89	-69.30	3833.50	7.55	-6.88	3.13
86	7906	85.40	0.80	4473.00	3858.81	-68.88	3859.41	1.63	-1.15	-1.15
87	7938	84.70	0.70	4475.76	3890.68	-68.46	3891.27	2.21	-2.19	-0.31
88	7969	84.50	0.50	4478.68	3921.54	-68.13	3922.13	0.91	-0.65	-0.65
89	8001	84.30	0.40	4481.80	3953.39	-67.88	3953.96	0.70	-0.63	-0.31
90	8033	84.50	0.20	4484.92	3985.24	-67.72	3985.81	0.88	0.63	-0.63
91	8064	85.50	0.70	4487.62	4016.12	-67.48	4016.68	3.60	3.23	1.61