

Company: Sandridge Energy  
 Field: Mississippi Lime  
 County: Harper County  
 Well Name: Anne 3306 1-16H ST01  
 Rig: Latshaw 38

Job Number: 5390954  
 Magnetic Decl: 4.52  
 Grid Corr: -0.33  
 Total Survey Corr: 4.19  
 Date Printed: 27-Mar-13

Proposed Azimuth: 359.38  
 Target Inclination: 89.11  
 TVD: 4485  
 BRN From Survey: 4750.00 N  
 BRN From Bit: 51.00 W

Projection No.	Tool Type	Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Lgth(ft)	Azimuth (ft)	TVD (ft)	VS (ft)	Coordinates N/S (ft)	E/W (ft)	VS	Closure			Wlk Rate (°/100')	Direction Needed		
													Dist (ft)	Ang (°)	Inc.				
0	Tie on	20	0	0	N	0	20	0	0	0	0	0	0	0	0	0	0		
1	GYRO	263	0.54	243.92	S	243	263	-0.49	0.5	0.5	1.03	W	1.15	243.92	0.22	100.38	48.37	359.4	
2	GYRO	513	0.72	243.92	S	250	512.98	-1.67	1.71	1.71	3.5	W	3.89	243.92	0.07	0	50.11	359.4	
3	GYRO	730	0.12	243.92	S	217	729.97	-2.36	2.41	2.41	4.93	W	5.48	243.92	0.28	-0.28	0	51.69	359.4
4	MWD1	821	0.77	243.92	S	91	820.97	-2.66	2.72	2.72	5.56	W	6.19	243.92	0.71	0.71	0	52.37	359.5
5	MWD1	950	0.68	228.04	S	129	949.96	-3.54	3.61	3.61	6.91	W	7.8	242.38	0.17	-0.07	-12.31	53.36	359.5
6	MWD1	1474	0.01	4.19	N	524	1473.95	-5.55	5.65	5.65	9.22	W	10.81	238.5	0.13	-0.13	-42.72	57.66	359.5
7	MWD1	1948	0.07	1.46	N	474	1947.95	-5.22	5.32	5.32	9.21	W	10.63	239.99	0.01	0.01	-0.58	61.92	359.5
8	MWD1	2422	0.11	247.76	S	474	2421.95	-5.1	5.2	5.2	9.62	W	10.94	241.61	0.03	0.01	51.96	66.55	359.5
9	MWD1	2895	0.12	131.29	S	473	2894.95	-5.59	5.7	5.7	9.67	W	11.22	239.49	0.04	0	-24.62	71.51	359.5
10	MWD1	3368	0.09	75.78	N	473	3367.95	-5.84	5.93	5.93	8.94	W	10.73	236.41	0.02	-0.01	-11.74	76.78	359.5
11	MWD1	3673	0.03	65.28	N	305	3672.95	-5.75	5.84	5.84	8.63	W	10.42	235.91	0.02	-0.02	-3.44	80.31	359.5
12	MWD1	3715	1.39	344.18	N	42	3714.94	-5.25	5.35	5.35	8.76	W	10.26	238.6	3.3	3.24	-193.1	80.8	359.5
13	MWD1	3746	4	348.2	N	31	3745.9	-3.83	3.93	3.93	9.08	W	9.9	246.62	8.44	8.42	12.97	81.16	359.5
14	MWD1	3778	7.01	351.42	N	32	3777.75	-0.8	0.9	0.9	9.6	W	9.65	264.63	9.45	9.41	10.06	81.53	359.5
15	MWD1	3810	8.87	353.63	N	32	3809.45	3.59	3.48	3.48	10.17	W	10.75	288.89	5.89	5.81	6.91	81.9	359.5
16	MWD1	3841	10.42	354.53	N	31	3840.01	8.76	8.65	8.65	10.7	W	13.76	308.94	5.02	5	2.9	82.25	359.5
17	MWD1	3872	12.39	354.47	N	31	3870.39	14.87	14.75	14.75	11.29	W	18.57	322.57	6.35	6.35	-0.19	82.6	359.5
18	MWD1	3904	15.68	352.53	N	32	3901.43	22.58	22.45	22.45	12.18	W	25.55	331.52	10.38	10.28	-6.06	82.96	359.5
19	MWD1	3935	19.48	351.19	N	31	3930.98	31.86	31.72	31.72	13.52	W	34.48	336.91	12.33	12.26	-4.32	83.3	359.5
20	MWD1	3966	23.59	349.87	N	31	3959.81	43.1	42.94	42.94	15.4	W	45.62	340.27	13.35	13.26	-4.26	83.63	359.6
21	MWD1	3998	26.64	348.07	N	32	3988.78	56.46	56.26	56.26	18.01	W	59.08	342.25	9.82	9.53	-5.63	83.97	359.6
22	MWD1	4030	28.75	347.77	N	32	4017.11	71.03	70.81	70.81	21.13	W	73.89	343.39	6.61	6.59	-0.94	84.29	359.6
23	MWD1	4062	30.68	348.42	N	32	4044.9	86.59	86.33	86.33	24.4	W	89.71	344.22	6.11	6.03	2.03	84.61	359.7
24	MWD1	4093	32.64	349.8	N	31	4071.29	102.6	102.3	102.3	27.46	W	105.93	344.97	6.74	6.32	4.45	84.91	359.7
25	MWD1	4125	34.69	350.56	N	32	4097.92	120.1	119.78	119.78	30.49	W	123.6	345.72	6.54	6.41	2.37	85.22	359.7
26	MWD1	4156	36.96	351.89	N	31	4123.06	138.06	137.71	137.71	33.25	W	141.67	346.43	7.74	7.32	4.29	85.51	359.8
27	MWD1	4188	39.2	353.37	N	32	4148.24	157.66	157.28	157.28	35.77	W	161.3	347.19	7.56	7	4.63	85.81	359.8
28	MWD1	4219	41.43	354.84	N	31	4171.88	177.63	177.23	177.23	37.83	W	181.23	347.95	7.82	7.19	4.74	86.08	359.8
29	MWD1	4251	43.46	356.24	N	32	4195.49	199.18	198.76	198.76	39.5	W	202.65	348.76	7	6.34	4.38	86.36	359.9
30	MWD1	4283	45.33	356.82	N	32	4218.36	221.54	221.11	221.11	40.85	W	224.85	349.53	5.98	5.84	1.81	86.63	359.9
31	MWD1	4314	47.31	357.22	N	31	4239.77	243.94	243.5	243.5	42.02	W	247.09	350.21	6.45	6.39	1.29	86.89	359.9
32	MWD1	4346	49.3	357.4	N	32	4261.05	267.81	267.36	267.36	43.14	W	270.82	350.83	6.23	6.22	0.56	87.14	359.9
33	MWD1	4378	51.43	357.14	N	32	4281.46	292.44	291.98	291.98	44.31	W	295.32	351.37	6.69	6.66	-0.81	87.39	359.9
34	MWD1	4409	53.21	357.76	N	31	4300.41	316.96	316.49	316.49	45.4	W	319.73	351.84	5.96	5.74	2	87.62	359.9
35	MWD1	4441	55.46	358.7	N	32	4319.07	342.95	342.47	342.47	46.2	W	345.57	352.32	7.43	7.03	2.94	87.84	359.9
36	MWD1	4472	57.51	359.47	N	31	4336.18	368.79	368.31	368.31	46.61	W	371.25	352.79	6.93	6.61	2.48	88.05	359.9
37	MWD1	4505	59.35	359.84	N	33	4353.46	396.91	396.42	396.42	46.78	W	399.18	353.27	5.66	5.58	1.12	88.27	359.9
38	MWD1	4536	61.47	0.73	N	31	4368.77	423.86	423.38	423.38	46.65	W	425.94	353.71	7.28	6.84	2.07	88.46	359.9
39	MWD1	4568	63.67	1.39	N	32	4383.51	452.25	451.78	451.78	46.12	W	454.12	354.17	7.11	6.88	2.06	88.65	359.9
40	MWD1	4600	65.73	1.95	N	32	4397.18	481.15	480.69	480.69	45.28	W	482.82	354.62	6.63	6.44	1.75	88.82	359.9
41	MWD1	4631	68.02	2.62	N	31	4409.36	509.62	509.18	509.18	44.14	W	511.09	355.05	7.65	7.39	2.16	88.98	359.9
42	MWD1	4663	69.99	2.55	N	32	4420.82	539.45	539.02	539.02	42.79	W	540.72	355.46	6.16	6.16	-0.22	89.13	359.9
43	MWD1	4694	72.04	2.69	N	31	4430.9	568.72	568.3	568.3	41.45	W	569.81	355.83	6.63	6.61	0.45	89.26	359.9

44 MWD1	4726	74.42	2.44 N	2.44 E	32	4440.14	599.31	598.91 N	40.08 W	600.25	356.17	7.48	7.44	-0.78	89.38	359.8
45 MWD1	4757	76.39	2.24 N	2.24 E	31	4447.95	629.26	628.88 N	38.85 W	630.08	356.46	6.39	6.35	-0.65	89.48	359.8
46 MWD1	4789	78.16	2.3 N	2.3 E	32	4455	660.44	660.07 N	37.62 W	661.14	356.74	5.53	5.53	0.19	89.58	359.8
47 MWD1	4820	80.13	2.43 N	2.43 E	31	4460.83	690.84	690.49 N	36.36 W	691.44	356.99	6.37	6.37	0.42	89.66	359.8
48 MWD1	4852	82.16	2.4 N	2.4 E	32	4465.76	722.41	722.08 N	35.03 W	722.92	357.22	6.34	6.34	-0.09	89.73	359.8
49 MWD1	4884	83.71	2.19 N	2.19 E	32	4469.7	754.13	753.81 N	33.76 W	754.56	357.44	4.89	4.84	-0.66	89.78	359.8
50 MWD1	4915	85.75	2.05 N	2.05 E	31	4472.54	784.96	784.65 N	32.62 W	785.33	357.62	6.6	6.58	-0.45	89.82	359.7
51 MWD1	4979	87.17	2.51 N	2.51 E	64	4476.49	848.75	848.48 N	30.07 W	849.01	357.97	2.33	2.22	0.72	89.88	359.7
52 MWD1	5024	87.01	3.24 N	3.24 E	45	4478.78	893.61	893.36 N	27.82 W	893.8	358.22	1.66	-0.36	1.62	89.91	359.7
53 MWD1	5074	87.11	3.69 N	3.69 E	50	4481.34	943.42	943.21 N	24.8 W	943.53	358.49	0.92	0.2	0.9	89.94	359.6
54 MWD1	5119	87.14	3.05 N	3.05 E	45	4483.6	988.25	988.07 N	22.16 W	988.32	358.72	1.42	0.07	-1.42	89.98	359.6
55 MWD1	5169	87.11	2.67 N	2.67 E	50	4486.11	1038.1	1037.95 N	19.67 W	1038.13	358.91	0.76	-0.06	-0.76	89.98	359.5
56 MWD1	5214	87.07	2.5 N	2.5 E	45	4488.39	1082.97	1082.84 N	17.64 W	1082.99	359.07	0.39	-0.09	-0.38	89.95	359.5
57 MWD1	5240	87.11	2.54 N	2.54 E	26	4489.71	1108.9	1108.78 N	16.5 W	1108.91	359.15	0.22	0.15	0.15	89.93	359.5
58 MWD2	5266	87.1	2.62 N	2.62 E	26	4491.03	1134.82	1134.72 N	15.33 W	1134.83	359.23	0.31	-0.04	0.31	89.9	359.4
59 MWD2	5358	88.55	1.66 N	1.66 E	92	4494.52	1226.65	1226.59 N	11.9 W	1226.65	359.44	0.84	1.58	-1.04	89.85	359.4
60 MWD2	5451	89.23	1.27 N	1.27 E	93	4496.32	1319.57	1319.54 N	9.52 W	1319.58	359.59	0.89	0.73	-0.42	89.81	359.3
61 MWD6	5544	90.06	359.05 N	0.95 W	93	4496.89	1412.55	1412.53 N	9.26 W	1412.56	359.62	2.55	0.89	-2.39	89.8	359.3
62 MWD6	5615	89.82	359.2 N	0.8 W	71	4496.97	1483.55	1483.52 N	10.35 W	1483.56	359.6	0.4	-0.34	0.21	89.79	359.3
63 MWD6	5636	89.75	358.93 N	1.07 W	21	4497.05	1504.55	1504.52 N	10.69 W	1504.56	359.59	1.33	-0.33	-1.29	89.79	359.3
64 MWD6	5667	89.63	358.68 N	1.32 W	31	4497.22	1535.55	1535.51 N	11.34 W	1535.56	359.58	0.89	-0.39	-0.81	89.77	359.3
65 MWD6	5698	89.23	358.87 N	1.13 W	31	4497.52	1566.54	1566.51 N	12 W	1566.55	359.56	1.43	-1.29	0.61	89.78	359.3
66 MWD6	5727	88.92	357.61 N	2.39 W	29	4497.99	1595.53	1595.49 N	12.89 W	1595.54	359.54	4.47	-1.07	-4.34	89.76	359.3
67 MWD6	5758	88.15	356.3 N	3.7 W	31	4498.78	1626.49	1626.43 N	14.54 W	1626.5	359.49	4.9	-2.48	-4.23	89.75	359.3
68 MWD6	5789	87.96	356.07 N	3.93 W	31	4499.84	1657.43	1657.35 N	16.6 W	1657.43	359.43	0.96	-0.61	-0.74	89.73	359.4
69 MWD6	5819	88.09	355.63 N	4.37 W	30	4500.87	1687.35	1687.25 N	18.77 W	1687.35	359.36	1.53	0.43	-1.47	89.7	359.4
70 MWD6	5850	87.9	355.74 N	4.26 W	31	4501.96	1718.27	1718.14 N	21.1 W	1718.27	359.3	0.71	-0.61	0.35	89.68	359.4
71 MWD6	5881	86.95	354.8 N	5.2 W	31	4503.35	1749.16	1749.01 N	23.65 W	1749.17	359.23	4.31	-3.06	-3.03	89.65	359.5
72 MWD6	5911	86.26	355.05 N	4.95 W	30	4505.12	1779.02	1778.83 N	26.3 W	1779.03	359.15	2.45	-2.3	0.83	89.61	359.5
73 MWD6	5942	85.72	354.97 N	5.03 W	31	4507.29	1809.85	1809.64 N	28.99 W	1809.87	359.08	1.76	-1.74	-0.26	89.57	359.6
74 MWD6	5973	86.11	355.84 N	4.16 W	31	4509.5	1840.7	1840.46 N	31.47 W	1840.73	359.02	3.07	1.26	2.81	89.52	359.6
75 MWD6	6003	86.55	356.77 N	3.23 W	30	4511.42	1870.59	1870.34 N	33.4 W	1870.64	358.98	3.42	1.47	3.1	89.47	359.6
76 MWD6	6034	86.15	357.08 N	2.92 W	31	4513.39	1901.5	1901.23 N	35.06 W	1901.55	358.94	1.63	-1.29	1	89.43	359.7
77 MWD6	6065	87.29	356.7 N	3.3 W	31	4515.17	1932.42	1932.13 N	36.74 W	1932.48	358.91	3.88	3.68	-1.23	89.39	359.7
78 MWD6	6095	86.79	356.65 N	3.35 W	30	4516.72	1962.35	1962.04 N	38.47 W	1962.42	358.88	1.67	-1.67	-0.17	89.35	359.7
79 MWD7	6126	86.51	356.78 N	3.22 W	31	4518.53	1993.26	1992.94 N	40.25 W	1993.35	358.84	1	-0.9	0.42	89.3	359.8
80 MWD7	6187	87.01	356.82 N	3.18 W	61	4521.98	2054.1	2053.75 N	43.65 W	2054.21	358.78	0.82	0.82	0.07	89.21	359.8
81 MWD7	6278	90.28	355.17 N	4.83 W	91	4524.13	2144.9	2144.48 N	50 W	2145.07	358.66	4.02	3.59	-1.81	89.14	360
82 MWD7	6371	89.45	356.4 N	3.6 W	93	4525.46	2237.71	2237.23 N	56.83 W	2237.95	358.54	1.6	-0.89	1.32	89.1	0.1
83 MWD7	6463	89.17	358.84 N	1.16 W	92	4526.54	2329.66	2329.14 N	60.65 W	2329.93	358.51	2.67	-0.3	2.65	89.04	0.2
84 MWD7	6554	89.42	358.97 N	1.03 W	91	4526.58	2420.65	2420.11 N	62.39 W	2420.92	358.52	0.31	0.27	0.14	88.98	0.3
85 MWD7	6646	90.21	357.44 N	2.56 W	92	4526.87	2512.62	2512.06 N	65.28 W	2512.91	358.51	1.87	0.86	-1.66	88.93	0.4
86 MWD7	6740	90.65	359.18 N	2.25 W	94	4526.17	2606.6	2606.02 N	68.05 W	2606.91	358.5	1.91	0.47	1.85	88.9	0.5
87 MWD7	6834	89.23	359.14 N	0.86 W	94	4526.27	2700.6	2700.01 N	68.97 W	2700.89	358.54	1.61	-1.51	0.54	88.85	0.5
88 MWD7	6929	87.32	359.9 N	1.08 W	94	4533.37	2889.45	2888.85 N	69.94 W	2795.83	358.57	2.09	-2.01	-0.58	88.71	0.6
89 MWD7	7023	87.5	358.92 N	1.08 W	94	4537.52	2983.34	2982.71 N	71.53 W	2889.73	358.58	0.3	0.19	-0.23	88.51	0.6
90 MWD7	7117	87.44	357.5 N	2.5 W	94	4537.52	2983.34	2982.71 N	74.47 W	2983.64	358.57	1.51	-0.06	-1.51	88.3	0.8
91 MWD7	7212	89.14	358.66 N	1.34 W	95	4540.36	3078.27	3077.61 N	77.65 W	3078.59	358.55	2.17	1.79	1.22	88.1	0.9
92 MWD8	7306	88.92	358.77 N	1.23 W	94	4541.95	3172.25	3171.57 N	79.75 W	3172.57	358.56	0.26	-0.23	0.12	87.93	1
93 MWD8	7401	90.34	359.31 N	0.69 W	95	4542.56	3267.24	3266.55 N	81.35 W	3267.56	358.57	1.6	1.49	0.57	87.78	1.2
94 MWD8	7496	88.86	359.26 N	0.74 W	95	4543.23	3362.24	3361.54 N	82.53 W	3362.55	358.59	1.56	-1.56	-0.05	87.6	1.3
95 MWD8	7590	89.91	0.16 N	0.16 E	94	4544.23	3456.23	3455.53 N	83.01 W	3456.53	358.62	1.47	1.12	0.96	87.38	1.4
96 MWD8	7685	90.37	359.48 N	0.52 W	95	4544	3551.22	3550.53 N	83.31 W	3551.51	358.66	0.86	0.48	-0.72	87.18	1.5



