Company:	TRILOGY	Job Number:	2533	Calculation Method	Minimum Curvature	8" Mud Mtr SN:	77577259	8" Circ Hrs:
Field:	WATTENBERG	Magnetic Decl.:	8.64	Proposed Azimuth	274.99	Surface TD:	698	8" Bit Hrs:
Cty/Blk/Par:	WELD	Grid Corr.:	TRUE	Depth Reference	RKB	6.5" Mud Mtr SN:	550-36b-027	6.5" Circ Hrs:
Well Name:	WIND17-14	Total Survey Corr.:	8.64	Tie Into	Drill SURFACE	Production TD:	7528	6.5" Bit Hrs:
Rig:	CADE 25	Target Info:	658' FSL & 607' FWL			Spud Date:	12-May	Completion Date:

Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')	Remarks
87	1.10	82.20	87	86.99	-0.81	0.11	N	0.83	E	1.26	1.3	94.5	
175	0.70	90.30	88	174.98	-2.17	0.23	N	2.20	E	0.48	-0.5	9.2	
267	0.70	340.80	92	266.98	-2.50	0.75	N	2.58	E	1.24	0.0	272.3	
357	1.40	321.50	90	356.96	-1.52	2.13	N	1.71	E	0.86	0.8	-21.4	
446	2.20	317.40	89	445.92	0.49	4.24	N	0.12	W	0.91	0.9	-4.6	
535	2.30	318.30	89	534.85	3.05	6.83	N	2.46	W	0.12	0.1	1.0	
648	2.70	313.40	113	647.74	6.78	10.35	N	5.91	W	0.40	0.4	-4.3	SURFACE TD @ 698'
719	2.60	315.70	71	718.67	9.32	12.66	N	8.25	W	0.21	-0.1	3.2	
814	1.70	230.60	95	813.62	11.96	13.30	N	10.84	W	3.14	-0.9	-89.6	
909	1.80	224.20	95	908.57	13.91	11.34	N	12.97	W	0.23	0.1	-6.7	
1003	1.40	219.00	94	1002.54	15.48	9.39	N	14.72	W	0.45	-0.4	-5.5	
1098	1.90	261.00	95	1097.50	17.66	8.24	N	17.01	W	1.34	0.5	44.2	BUILD
1193	3.30	281.60	95	1192.40	21.90	8.54	N	21.24	W	1.75	1.5	21.7	
1287	3.20	267.50	94	1286.25	27.19	8.97	N	26.51	W	0.85	-0.1	-15.0	
1382	4.30	257.30	95	1381.05	33.21	8.07	N	32.64	W	1.35	1.2	-10.7	
1476	6.00	263.60	94	1474.67	41.39	6.75	N	40.96	W	1.90	1.8	6.7	
1572	7.30	267.70	96	1570.02	52.36	5.95	N	52.04	W	1.44	1.4	4.3	
1666	8.50	271.20	94	1663.13	65.21	5.85	N	64.95	W	1.37	1.3	3.7	
1762	12.00	274.30	96	1757.58	82.28	6.75	N	82.00	W	3.69	3.6	3.2	
1857	14.50	277.32	95	1850.05	104.04	9.01	N	103.65	W	2.73	2.6	3.2	
1952	15.70	275.40	95	1941.76	128.78	11.73	N	128.24	W	1.37	1.3	-2.0	HOLD
2048	16.20	274.50	96	2034.07	155.16	14.00	N	154.52	W	0.58	0.5	-0.9	
2143	16.60	275.20	95	2125.20	181.98	16.27	N	181.25	W	0.47	0.4	0.7	
2237	18.50	277.00	94	2214.82	210.31	19.31	N	209.43	W	2.10	2.0	1.9	
2333	18.50	276.50	96	2305.86	240.76	22.89	N	239.68	W	0.17	0.0	-0.5	
2427	20.80	275.20	94	2394.38	272.36	26.09	N	271.12	W	2.49	2.4	-1.4	
2522	22.50	276.30	95	2482.68	307.40	29.61	N	305.99	W	1.84	1.8	1.2	
2617	22.00	274.30	95	2570.61	343.37	32.94	N	341.80	W	0.96	-0.5	-2.1	
2712	20.40	273.50	95	2659.17	377.72	35.29	N	376.07	W	1.71	-1.7	-0.8	
2807	20.80	275.60	95	2748.10	411.14	37.95	N	409.39	W	0.88	0.4	2.2	
2902	20.70	274.90	95	2836.94	444.79	41.03	N	442.90	W	0.28	-0.1	-0.7	
2997	19.60	273.30	95	2926.12	477.51	43.38	N	475.54	W	1.30	-1.2	-1.7	
3092	20.40	276.30	95	3015.40	509.99	46.11	N	507.91	W	1.37	0.8	3.2	
3186	19.50	275.90	94	3103.76	542.06	49.52	N	539.80	W	0.97	-1.0	-0.4	
3280	19.00	269.80	94	3192.51	572.99	51.08	N	570.71	W	2.20	-0.5	-6.5	
3375	19.90	272.20	95	3282.09	604.54	51.65	N	602.33	W	1.27	0.9	2.5	
3469	18.70	269.60	94	3370.80	635.52	52.16	N	633.39	W	1.57	-1.3	-2.8	
3564	17.90	272.20	95	3461.00	665.27	52.61	N	663.20	W	1.20	-0.8	2.7	
3659	18.60	274.90	95	3551.22	695.00	54.47	N	692.89	W	1.16	0.7	2.8	
3754	18.60	274.50	95	3641.26	725.30	56.95	N	723.09	W	0.13	0.0	-0.4	
3849	20.30	277.00	95	3730.84	756.92	60.15	N	754.55	W	1.99	1.8	2.6	
3944	19.50	276.60	95	3820.16	789.24	63.98	N	786.66	W	0.85	-0.8	-0.4	
4039	17.90	276.50	95	3910.15	819.69	67.45	N	816.92	W	1.68	-1.7	-0.1	
4134	16.80	279.30	95	4000.82	847.97	71.32	N	844.97	W	1.45	-1.2	2.9	
4228	16.80	279.10	94	4090.81	875.07	75.67	N	871.79	W	0.06	0.0	-0.2	
4323	16.60	276.80	95	4181.81	902.33	79.45	N	898.82	W	0.73	-0.2	-2.4	
4417	17.70	278.20	94	4271.63	930.02	83.07	N	926.30	W	1.25	1.2	1.5	
4513	17.80	277.30	96	4363.06	959.25	87.02	N	955.30	W	0.30	0.1	-0.9	
4607	16.60	277.20	94	4452.85	987.02	90.53	N	982.87	W	1.28	-1.3	-0.1	
4702	15.70	276.20	95	4544.10	1013.43	93.62	N	1009.12	W	0.99	-0.9	-1.1	
4797	16.50	272.80	95	4635.38	1039.77	95.66	N	1035.37	W	1.30	0.8	-3.6	
4892	15.00	272.80	95	4726.81	1065.53	96.92	N	1061.13	W	1.58	-1.6	0.0	DROP
4986	12.30	271.50	94	4818.14	1087.69	97.78	N	1083.29	W	2.89	-2.9	-1.4	
5080	9.90	269.80	94	4910.38	1105.73	98.01	N	1101.38	W	2.58	-2.6	-1.8	
5175	10.50	269.10	95	5003.88	1122.48	97.85	N	1118.20	W	0.64	0.6	-0.7	
5269	8.80	271.20	94	5096.54	1138.17	97.87	N	1133.96	W	1.85	-1.8	2.2	
5364	7.20	270.80	95	5190.62	1151.36	98.10	N	1147.18	W	1.69	-1.7	-0.4	
5458	5.70	267.30	94	5284.02	1161.86	97.96	N	1157.73	W	1.65	-1.6	-3.7	
5553	4.30	273.50	95	5378.66	1170.10	97.96	N	1166.00	W	1.58	-1.5	6.5	
5648	2.90	263.30	95	5473.47	1176.01	97.90	N	1171.94	W	1.61	-1.5	-10.7	
5744	1.60	273.30	96	5569.39	1179.73	97.69	N	1175.69	W	1.41	-1.4	10.4	
5838	0.20	210.40	94	5663.38	1181.11	97.62	N	1177.08	W	1.62	-1.5	-66.9	BACK TO VERTICAL
6027	0.10	325.80	189	5852.38	1181.36	97.48	N	1177.34	W	0.14	-0.1	61.1	
6216	0.50	237.80	189	6041.38	1182.12	97.17	N	1178.13	W	0.27	0.2	-46.6	
6406	0.40	226.40	190	6231.37	1183.22	96.27	N	1179.31	W	0.07	-0.1	-6.0	
6595	0.50	283.10	189	6420.36	1184.47	96.01	N	1180.59	W	0.23	0.1	30.0	
6785	0.40	295.40	190	6610.36	1185.91	96.48	N	1182.00	W	0.07	-0.1	6.5	
6975	0.80	307.90	190	6800.35	1187.65	97.58	N	1183.65	W	0.22	0.2	6.6	
7162	0.60	306.30	187	6987.33	1189.58	98.96	N	1185.47	W	0.11	-0.1	-0.9	
7352	0.20	283.30	190	7177.33	1190.76	99.62	N	1186.59	W	0.22	-0.2	-12.1	
7478	0.10	18.80	126	7303.33	1190.95	99.78	N	1186.77	W	0.18	-0.1	-209.9	TD SURVEY
7528	0.10	18.80	50	7353.33	1190.93	99.86	N	1186.74	W	0.00	0.0	0.0	BIT PROJECTION

Surveys

N/S	E/W	VS	TVD
0.11	0.83	-0.81	86.99
0.23	2.20	-2.17	174.98
0.75	2.58	-2.50	266.98
2.13	1.71	-1.52	356.96
4.24	-0.12	0.49	445.92
6.83	-2.46	3.05	534.85
10.35	-5.91	6.78	647.74
12.66	-8.25	9.32	718.67
13.30	-10.84	11.96	813.62
11.34	-12.97	13.91	908.57
9.39	-14.72	15.48	1002.54
8.24	-17.01	17.66	1097.50
8.54	-21.24	21.90	1192.40
8.97	-26.51	27.19	1286.25
8.07	-32.64	33.21	1381.05
6.75	-40.96	41.39	1474.67
5.95	-52.04	52.36	1570.02
5.85	-64.95	65.21	1663.13
6.75	-82.00	82.28	1757.58
9.01	-103.65	104.04	1850.05
11.73	-128.24	128.78	1941.76
14.00	-154.52	155.16	2034.07
16.27	-181.25	181.98	2125.20
19.31	-209.43	210.31	2214.82
22.89	-239.68	240.76	2305.86
26.09	-271.12	272.36	2394.38
29.61	-305.99	307.40	2482.68
32.94	-341.80	343.37	2570.61
35.29	-376.07	377.72	2659.17
37.95	-409.39	411.14	2748.10
41.03	-442.90	444.79	2836.94
43.38	-475.54	477.51	2926.12
46.11	-507.91	509.99	3015.40
49.52	-539.80	542.06	3103.76
51.08	-570.71	572.99	3192.51
51.65	-602.33	604.54	3282.09
52.16	-633.39	635.52	3370.80
52.61	-663.20	665.27	3461.00
54.47	-692.89	695.00	3551.22
56.95	-723.09	725.30	3641.26
60.15	-754.55	756.92	3730.84
63.98	-786.66	789.24	3820.16
67.45	-816.92	819.69	3910.15
71.32	-844.97	847.97	4000.82
75.67	-871.79	875.07	4090.81
79.45	-898.82	902.33	4181.81
83.07	-926.30	930.02	4271.63
87.02	-955.30	959.25	4363.06
90.53	-982.87	987.02	4452.85
93.62	-1009.12	1013.43	4544.10
95.66	-1035.37	1039.77	4635.38
96.92	-1061.13	1065.53	4726.81
97.78	-1083.29	1087.69	4818.14
98.01	-1101.38	1105.73	4910.38
97.85	-1118.20	1122.48	5003.88
97.87	-1133.96	1138.17	5096.54
98.10	-1147.18	1151.36	5190.62
97.96	-1157.73	1161.86	5284.02
97.96	-1166.00	1170.10	5378.66
97.90	-1171.94	1176.01	5473.47
97.69	-1175.69	1179.73	5569.39
97.62	-1177.08	1181.11	5663.38
97.48	-1177.34	1181.36	5852.38
97.17	-1178.13	1182.12	6041.38
96.27	-1179.31	1183.22	6231.37
96.01	-1180.59	1184.47	6420.36
96.48	-1182.00	1185.91	6610.36
97.58	-1183.65	1187.65	6800.35
98.96	-1185.47	1189.58	6987.33
99.62	-1186.59	1190.76	7177.33
99.78	-1186.77	1190.95	7303.33
99.86	-1186.74	1190.93	7353.33
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