

November 22,2011
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PathTracker 5.0.361
Survey Calculation Program

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Company: TEKTON WINDSOR, LLC
WellName: RANCHO WATER VALLEY #2-6-4
Location: SECTION 4, T5N R67W
NORTH REFERENCE IS TRUE NORTH

Surveyed by:
C.L.D.
Peterson Energy Management, Inc
2154 W. Eisenhower Blvd.
Loveland, CO 80537

Vertical Section calculated on an Azimuth of: 254.0794

Survey Calculation Method: Minimum Curvature

FileName: W:\Tekton Energy\Tekton Windsor Permitting\Rancho Water Valley\2-6-4 Surv.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	Trnrate /100f	Comment
0	0.00	0.00	254.08	0.00	4790.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	254.08	100.00	4690.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	254.08	200.00	4590.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	254.08	300.00	4490.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	400.00	0.00	254.08	400.00	4390.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	500.00	0.00	254.08	500.00	4290.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	600.00	0.00	254.08	600.00	4190.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	700.00	0.00	254.08	700.00	4090.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	800.00	0.00	254.08	800.00	3990.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	900.00	0.00	254.08	900.00	3890.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	1000.00	0.00	254.08	1000.00	3790.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	1100.00	0.00	254.08	1100.00	3690.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	1200.00	0.00	254.08	1200.00	3590.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	1300.00	0.00	254.08	1300.00	3490.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	1400.00	0.00	254.08	1400.00	3390.00	0.00	0.00	0.00	0.00	0.00	0.00	
15	1500.00	0.00	254.08	1500.00	3290.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	1600.00	0.00	254.08	1600.00	3190.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	1700.00	0.00	254.08	1700.00	3090.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	1800.00	0.00	254.08	1800.00	2990.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP, B.G. = 2°/100'												
19	1821.00	0.00	254.08	1821.00	2969.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	1900.00	1.58	254.08	1899.99	2890.01	-0.30	-1.05	1.09	2.00	2.00	0.00	
21	2000.00	3.58	254.08	1999.88	2790.12	-1.53	-5.38	5.59	2.00	2.00	0.00	
22	2100.00	5.58	254.08	2099.56	2690.44	-3.72	-13.05	13.58	2.00	2.00	0.00	
23	2200.00	7.58	254.08	2198.90	2591.10	-6.87	-24.07	25.03	2.00	2.00	0.00	
24	2300.00	9.58	254.08	2297.77	2492.23	-10.96	-38.42	39.95	2.00	2.00	0.00	
25	2400.00	11.58	254.08	2396.07	2393.93	-16.00	-56.08	58.31	2.00	2.00	0.00	
26	2500.00	13.58	254.08	2493.66	2296.34	-21.97	-77.02	80.09	2.00	2.00	0.00	
27	2600.00	15.58	254.08	2590.44	2199.56	-28.87	-101.23	105.26	2.00	2.00	0.00	
28	2700.00	17.58	254.08	2686.27	2103.73	-36.70	-128.66	133.80	2.00	2.00	0.00	
29	2800.00	19.58	254.08	2781.06	2008.94	-45.44	-159.30	165.66	2.00	2.00	0.00	
30	2900.00	21.58	254.08	2874.67	1915.33	-55.08	-193.11	200.81	2.00	2.00	0.00	
31	3000.00	23.58	254.08	2967.00	1823.00	-65.61	-230.03	239.20	2.00	2.00	0.00	
32	3100.00	25.58	254.08	3057.93	1732.07	-77.02	-270.03	280.80	2.00	2.00	0.00	
EOB, Hold 27.0°												
33	3171.00	27.00	254.08	3121.59	1668.41	-85.65	-300.27	312.24	2.00	2.00	0.00	
34	3200.00	27.00	254.08	3147.43	1642.57	-89.26	-312.93	325.41	0.00	0.00	0.00	
35	3300.00	27.00	254.08	3236.53	1553.47	-101.71	-356.58	370.81	0.00	0.00	0.00	
36	3400.00	27.00	254.08	3325.63	1464.37	-114.17	-400.24	416.21	0.00	0.00	0.00	
37	3500.00	27.00	254.08	3414.73	1375.27	-126.62	-443.90	461.61	0.00	0.00	0.00	

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Loveland, CO 80537

Vertical Section calculated on an Azimuth of: 254.0794
Survey Calculation Method: Minimum Curvature
FileName: W:\Tekton Energy\Tekton Windsor Permitting\Rancho Water Valley\2-6-4 Surv.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	Trnrate /100f	Comment
38	3600.00	27.00	254.08	3503.83	1286.17	-139.07	-487.56	507.01	0.00	0.00	0.00	
39	3700.00	27.00	254.08	3592.93	1197.07	-151.53	-531.22	552.40	0.00	0.00	0.00	
40	3800.00	27.00	254.08	3682.03	1107.97	-163.98	-574.87	597.80	0.00	0.00	0.00	
41	3900.00	27.00	254.08	3771.13	1018.87	-176.43	-618.53	643.20	0.00	0.00	0.00	
42	4000.00	27.00	254.08	3860.23	929.77	-188.89	-662.19	688.60	0.00	0.00	0.00	
43	4100.00	27.00	254.08	3949.33	840.67	-201.34	-705.85	734.00	0.00	0.00	0.00	
44	4200.00	27.00	254.08	4038.43	751.57	-213.79	-749.50	779.40	0.00	0.00	0.00	
45	4300.00	27.00	254.08	4127.53	662.47	-226.25	-793.16	824.80	0.00	0.00	0.00	
46	4400.00	27.00	254.08	4216.63	573.37	-238.70	-836.82	870.20	0.00	0.00	0.00	
47	4500.00	27.00	254.08	4305.73	484.27	-251.15	-880.48	915.60	0.00	0.00	0.00	
48	4600.00	27.00	254.08	4394.83	395.17	-263.61	-924.13	961.00	0.00	0.00	0.00	
49	4700.00	27.00	254.08	4483.94	306.06	-276.06	-967.79	1006.39	0.00	0.00	0.00	
50	4800.00	27.00	254.08	4573.04	216.96	-288.51	-1011.45	1051.79	0.00	0.00	0.00	
51	4900.00	27.00	254.08	4662.14	127.86	-300.97	-1055.11	1097.19	0.00	0.00	0.00	
52	5000.00	27.00	254.08	4751.24	38.76	-313.42	-1098.77	1142.59	0.00	0.00	0.00	
53	5100.00	27.00	254.08	4840.34	-50.34	-325.87	-1142.42	1187.99	0.00	0.00	0.00	
54	5200.00	27.00	254.08	4929.44	-139.44	-338.32	-1186.08	1233.39	0.00	0.00	0.00	
55	5300.00	27.00	254.08	5018.54	-228.54	-350.78	-1229.74	1278.79	0.00	0.00	0.00	
56	5400.00	27.00	254.08	5107.64	-317.64	-363.23	-1273.40	1324.19	0.00	0.00	0.00	
57	5500.00	27.00	254.08	5196.74	-406.74	-375.68	-1317.05	1369.59	0.00	0.00	0.00	
58	5600.00	27.00	254.08	5285.84	-495.84	-388.14	-1360.71	1414.99	0.00	0.00	0.00	
59	5637.40	27.00	254.08	5319.16	-529.16	-392.80	-1377.04	1431.97	0.00	0.00	0.00	
60	5700.00	25.75	254.08	5375.25	-585.25	-400.42	-1403.78	1459.77	2.00	2.00	0.00	
61	5800.00	23.75	254.08	5466.06	-676.06	-411.91	-1444.04	1501.63	2.00	2.00	0.00	
62	5900.00	21.75	254.08	5558.27	-768.27	-422.51	-1481.22	1540.30	2.00	2.00	0.00	
63	6000.00	19.75	254.08	5651.79	-861.79	-432.23	-1515.28	1575.72	2.00	2.00	0.00	
64	6100.00	17.75	254.08	5746.47	-956.47	-441.04	-1546.19	1607.86	2.00	2.00	0.00	
65	6200.00	15.75	254.08	5842.23	-1052.23	-448.95	-1573.90	1636.68	2.00	2.00	0.00	
66	6300.00	13.75	254.08	5938.93	-1148.93	-455.93	-1598.38	1662.13	2.00	2.00	0.00	
67	6400.00	11.75	254.08	6036.46	-1246.46	-461.98	-1619.60	1684.20	2.00	2.00	0.00	
68	6500.00	9.75	254.08	6134.70	-1344.70	-467.10	-1637.53	1702.85	2.00	2.00	0.00	
69	6600.00	7.75	254.08	6233.53	-1443.53	-471.27	-1652.16	1718.06	2.00	2.00	0.00	
70	6700.00	5.75	254.08	6332.83	-1542.83	-474.49	-1663.45	1729.80	2.00	2.00	0.00	
71	6800.00	3.75	254.08	6432.49	-1642.49	-476.76	-1671.41	1738.08	2.00	2.00	0.00	
72	6900.00	1.75	254.08	6532.37	-1742.37	-478.08	-1676.02	1742.88	2.00	2.00	0.00	
73	6987.40	0.00	254.08	6619.75	-1829.75	-478.45	-1677.31	1744.21	2.00	2.00	0.00	
74	7000.00	0.00	254.08	6632.35	-1842.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	
75	7100.00	0.00	254.08	6732.35	-1942.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	

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WellName: RANCHO WATER VALLEY #2-6-4
Location: SECTION 4, T5N R67W
NORTH REFERENCE IS TRUE NORTH

Surveyed by:
C.L.D.
Peterson Energy Management, Inc
2154 W. Eisenhower Blvd.
Loveland, CO 80537

Vertical Section calculated on an Azimuth of: 254.0794

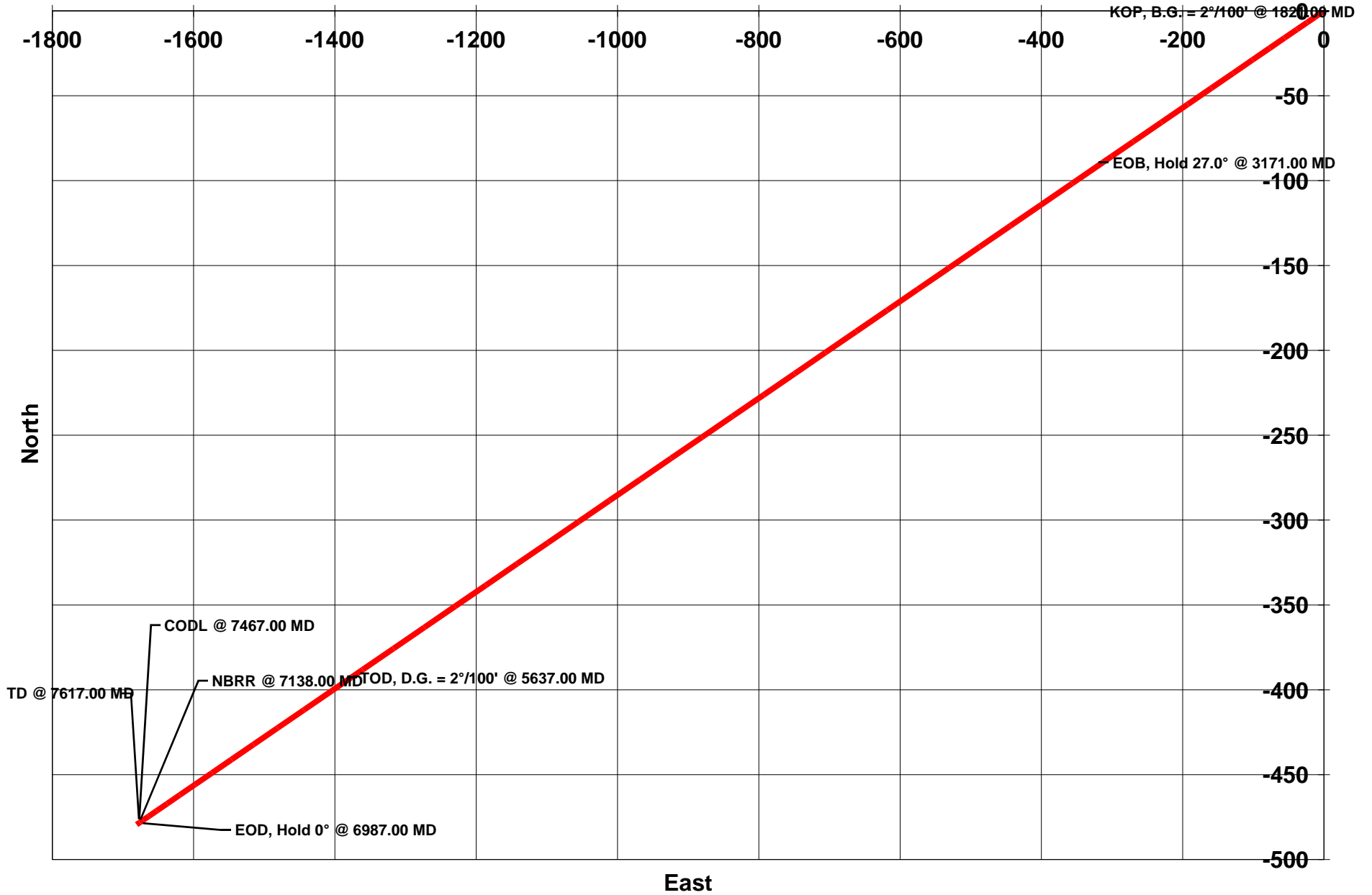
Survey Calculation Method: Minimum Curvature

FileName: W:\Tekton Energy\Tekton Windsor Permitting\Rancho Water Valley\2-6-4 Surv.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	Trnrate /100f	Comment
Int	7137.65	0.00	0.00	6770.00	-1980.00	-478.45	-1677.31	1744.21	---	---	---	
						NBRR						
77	7200.00	0.00	254.08	6832.35	-2042.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	
78	7300.00	0.00	254.08	6932.35	-2142.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	
79	7400.00	0.00	254.08	7032.35	-2242.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	
Int	7466.65	0.00	0.00	7099.00	-2309.00	-478.45	-1677.31	1744.21	---	---	---	
						CODL						
81	7500.00	0.00	254.08	7132.35	-2342.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	
82	7600.00	0.00	254.08	7232.35	-2442.35	-478.45	-1677.31	1744.21	0.00	0.00	0.00	
						TD						
83	7617.65	0.00	254.08	7250.00	-2460.00	-478.45	-1677.31	1744.21	0.00	0.00	0.00	

Closure is 1744.2089 meters on an Azimuth of 254.0794

Plan View
RANCHO WATER VALLEY #2-6-4



Section View
RANCHO WATER VALLEY #2-6-4

