

December 12,2011
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PathTracker 5.0.361
Survey Calculation Program

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Company: TEKTON WINDSOR, LLC
WellName: PAVISTMA #5-3-32
Location: SECTION 32, T6N 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: 53.7386
Survey Calculation Method: Minimum Curvature
FileName: W:\Tekton Energy\Tekton Windsor Permitting\Pavistma\Pavistma 5-3-32\5-3-32 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	53.74	0.00	4970.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	53.74	100.00	4870.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	53.74	200.00	4770.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	53.74	300.00	4670.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	400.00	0.00	53.74	400.00	4570.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	500.00	0.00	53.74	500.00	4470.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	600.00	0.00	53.74	600.00	4370.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	700.00	0.00	53.74	700.00	4270.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	800.00	0.00	53.74	800.00	4170.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	900.00	0.00	53.74	900.00	4070.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	1000.00	0.00	53.74	1000.00	3970.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	1100.00	0.00	53.74	1100.00	3870.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	1200.00	0.00	53.74	1200.00	3770.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	1300.00	0.00	53.74	1300.00	3670.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP, B.G.=2°/100'												
14	1330.00	0.00	53.74	1330.00	3640.00	0.00	0.00	0.00	0.00	0.00	0.00	
15	1400.00	1.40	53.74	1399.99	3570.01	0.51	0.69	0.86	2.00	2.00	0.00	
16	1500.00	3.40	53.74	1499.90	3470.10	2.98	4.07	5.04	2.00	2.00	0.00	
17	1600.00	5.40	53.74	1599.60	3370.40	7.52	10.25	12.71	2.00	2.00	0.00	
18	1700.00	7.40	53.74	1698.97	3271.03	14.11	19.24	23.86	2.00	2.00	0.00	
19	1800.00	9.40	53.74	1797.89	3172.11	22.75	31.02	38.47	2.00	2.00	0.00	
20	1900.00	11.40	53.74	1896.25	3073.75	33.43	45.57	56.52	2.00	2.00	0.00	
21	2000.00	13.40	53.74	1993.91	2976.09	46.13	62.89	77.99	2.00	2.00	0.00	
22	2035.00	14.10	53.74	2027.91	2942.09	51.05	69.59	86.31	2.00	2.00	0.00	
EOB, HOLD 14.10°												
23	2100.00	14.10	53.74	2090.95	2879.05	60.42	82.36	102.15	0.00	0.00	0.00	
24	2200.00	14.10	53.74	2187.93	2782.07	74.82	102.01	126.51	0.00	0.00	0.00	
25	2300.00	14.10	53.74	2284.92	2685.08	89.23	121.65	150.87	0.00	0.00	0.00	
26	2400.00	14.10	53.74	2381.91	2588.09	103.64	141.29	175.23	0.00	0.00	0.00	
27	2500.00	14.10	53.74	2478.90	2491.10	118.05	160.94	199.59	0.00	0.00	0.00	
28	2600.00	14.10	53.74	2575.88	2394.12	132.46	180.58	223.95	0.00	0.00	0.00	
29	2700.00	14.10	53.74	2672.87	2297.13	146.87	200.22	248.31	0.00	0.00	0.00	
30	2800.00	14.10	53.74	2769.86	2200.14	161.28	219.87	272.68	0.00	0.00	0.00	
31	2900.00	14.10	53.74	2866.85	2103.15	175.69	239.51	297.04	0.00	0.00	0.00	
32	3000.00	14.10	53.74	2963.83	2006.17	190.10	259.15	321.40	0.00	0.00	0.00	
33	3100.00	14.10	53.74	3060.82	1909.18	204.51	278.80	345.76	0.00	0.00	0.00	
34	3200.00	14.10	53.74	3157.81	1812.19	218.92	298.44	370.12	0.00	0.00	0.00	
35	3300.00	14.10	53.74	3254.79	1715.21	233.33	318.08	394.48	0.00	0.00	0.00	
36	3400.00	14.10	53.74	3351.78	1618.22	247.73	337.73	418.84	0.00	0.00	0.00	
37	3500.00	14.10	53.74	3448.77	1521.23	262.14	357.37	443.21	0.00	0.00	0.00	

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Loveland, CO 80537

Vertical Section calculated on an Azimuth of: 53.7386
Survey Calculation Method: Minimum Curvature
FileName: W:\Tekton Energy\Tekton Windsor Permitting\Pavistma\Pavistma 5-3-32\5-3-32 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	14.10	53.74	3545.76	1424.24	276.55	377.01	467.57	0.00	0.00	0.00	
39	3700.00	14.10	53.74	3642.74	1327.26	290.96	396.66	491.93	0.00	0.00	0.00	
40	3800.00	14.10	53.74	3739.73	1230.27	305.37	416.30	516.29	0.00	0.00	0.00	
41	3900.00	14.10	53.74	3836.72	1133.28	319.78	435.94	540.65	0.00	0.00	0.00	
42	4000.00	14.10	53.74	3933.71	1036.29	334.19	455.59	565.01	0.00	0.00	0.00	
43	4100.00	14.10	53.74	4030.69	939.31	348.60	475.23	589.38	0.00	0.00	0.00	
44	4200.00	14.10	53.74	4127.68	842.32	363.01	494.87	613.74	0.00	0.00	0.00	
45	4300.00	14.10	53.74	4224.67	745.33	377.42	514.52	638.10	0.00	0.00	0.00	
46	4400.00	14.10	53.74	4321.66	648.34	391.83	534.16	662.46	0.00	0.00	0.00	
47	4500.00	14.10	53.74	4418.64	551.36	406.23	553.80	686.82	0.00	0.00	0.00	
48	4600.00	14.10	53.74	4515.63	454.37	420.64	573.45	711.18	0.00	0.00	0.00	
49	4700.00	14.10	53.74	4612.62	357.38	435.05	593.09	735.54	0.00	0.00	0.00	
50	4800.00	14.10	53.74	4709.60	260.40	449.46	612.73	759.91	0.00	0.00	0.00	
51	4900.00	14.10	53.74	4806.59	163.41	463.87	632.38	784.27	0.00	0.00	0.00	
52	5000.00	14.10	53.74	4903.58	66.42	478.28	652.02	808.63	0.00	0.00	0.00	
53	5100.00	14.10	53.74	5000.57	-30.57	492.69	671.66	832.99	0.00	0.00	0.00	
54	5200.00	14.10	53.74	5097.55	-127.55	507.10	691.31	857.35	0.00	0.00	0.00	
55	5300.00	14.10	53.74	5194.54	-224.54	521.51	710.95	881.71	0.00	0.00	0.00	
56	5400.00	14.10	53.74	5291.53	-321.53	535.92	730.59	906.07	0.00	0.00	0.00	
57	5500.00	14.10	53.74	5388.52	-418.52	550.33	750.24	930.44	0.00	0.00	0.00	
58	5600.00	14.10	53.74	5485.50	-515.50	564.73	769.88	954.80	0.00	0.00	0.00	
59	5700.00	14.10	53.74	5582.49	-612.49	579.14	789.52	979.16	0.00	0.00	0.00	
60	5800.00	14.10	53.74	5679.48	-709.48	593.55	809.17	1003.52	0.00	0.00	0.00	
61	5900.00	14.10	53.74	5776.46	-806.46	607.96	828.81	1027.88	0.00	0.00	0.00	
62	6000.00	14.10	53.74	5873.45	-903.45	622.37	848.45	1052.24	0.00	0.00	0.00	
63	6100.00	14.10	53.74	5970.44	-1000.44	636.78	868.10	1076.61	0.00	0.00	0.00	
64	6200.00	14.10	53.74	6067.43	-1097.43	651.19	887.74	1100.97	0.00	0.00	0.00	
65	6250.30	14.10	53.74	6116.21	-1146.21	658.44	897.62	1113.22	0.00	0.00	0.00	
66	6300.00	13.11	53.74	6164.52	-1194.52	665.35	907.04	1124.91	2.00	2.00	0.00	
67	6400.00	11.11	53.74	6262.29	-1292.29	677.75	923.95	1145.88	2.00	2.00	0.00	
68	6500.00	9.11	53.74	6360.73	-1390.73	688.13	938.10	1163.43	2.00	2.00	0.00	
69	6600.00	7.11	53.74	6459.73	-1489.73	696.47	949.47	1177.53	2.00	2.00	0.00	
70	6700.00	5.11	53.74	6559.15	-1589.15	702.76	958.05	1188.16	2.00	2.00	0.00	
71	6800.00	3.11	53.74	6658.89	-1688.89	707.00	963.82	1195.32	2.00	2.00	0.00	
72	6900.00	1.11	53.74	6758.82	-1788.82	709.17	966.78	1199.00	2.00	2.00	0.00	
73	6955.30	0.00	53.74	6814.12	-1844.12	709.49	967.21	1199.53	2.00	2.00	0.00	
74	7000.00	0.00	53.74	6858.82	-1888.82	709.49	967.21	1199.53	0.00	0.00	0.00	
75	7100.00	0.00	53.74	6958.82	-1988.82	709.49	967.21	1199.53	0.00	0.00	0.00	

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WellName: PAVISTMA #5-3-32
Location: SECTION 32, T6N R67W
NORTH REFERENCE IS TRUE NORTH

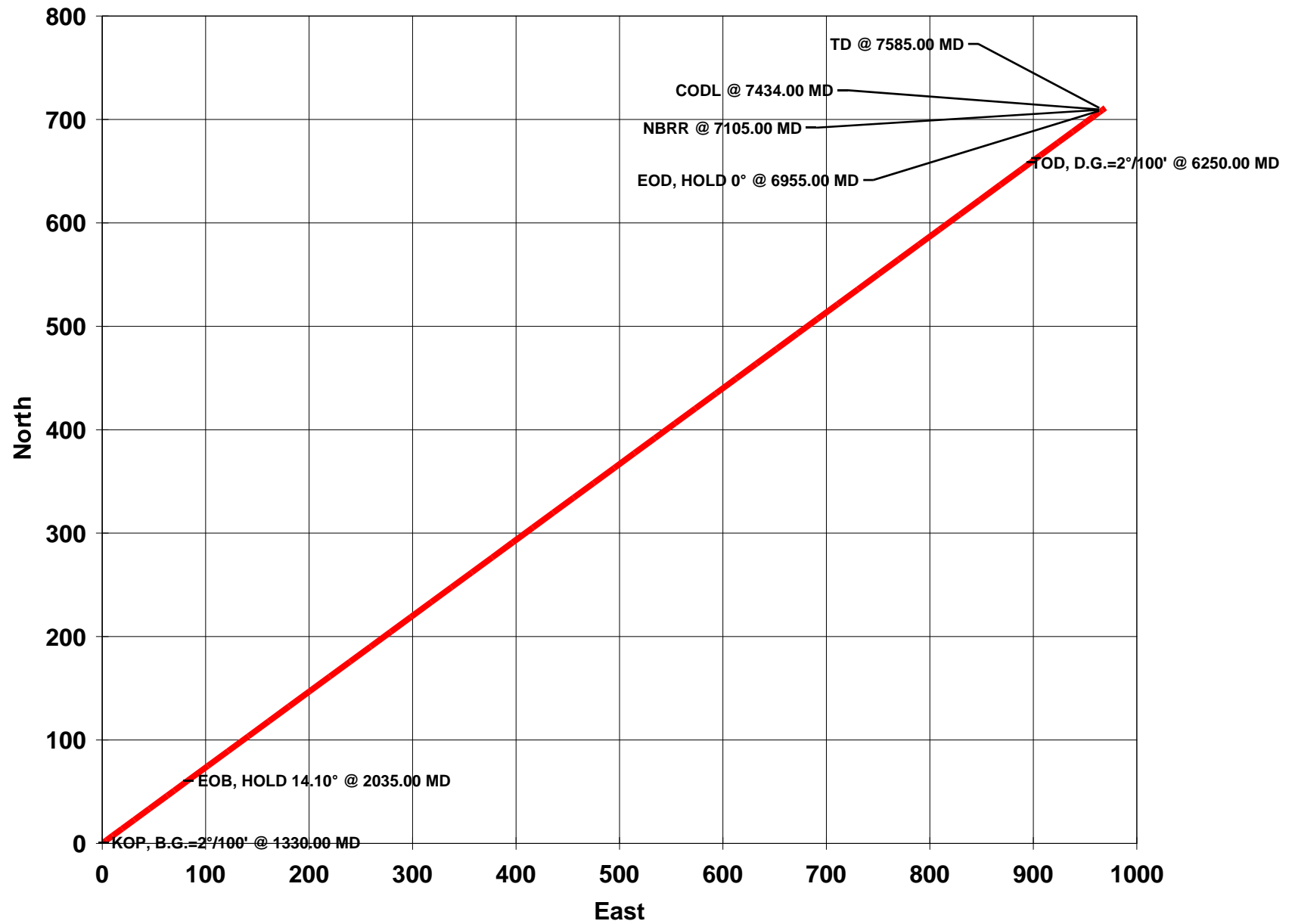
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Vertical Section calculated on an Azimuth of: 53.7386
Survey Calculation Method: Minimum Curvature
FileName: W:\Tekton Energy\Tekton Windsor Permitting\Pavistma\Pavistma 5-3-32\5-3-32 SURV.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100f	BldRate /100f	Trnrate /100f	Comment
NBRR												
Int	7105.18	0.00	0.00	6964.00	-1994.00	709.49	967.21	1199.53	---	---	---	
77	7200.00	0.00	53.74	7058.82	-2088.82	709.49	967.21	1199.53	0.00	0.00	0.00	
78	7300.00	0.00	53.74	7158.82	-2188.82	709.49	967.21	1199.53	0.00	0.00	0.00	
79	7400.00	0.00	53.74	7258.82	-2288.82	709.49	967.21	1199.53	0.00	0.00	0.00	
CODL												
Int	7434.18	0.00	0.00	7293.00	-2323.00	709.49	967.21	1199.53	---	---	---	
81	7500.00	0.00	53.74	7358.82	-2388.82	709.49	967.21	1199.53	0.00	0.00	0.00	
TD												
82	7585.19	0.00	53.74	7444.00	-2474.00	709.49	967.21	1199.53	0.00	0.00	0.00	

Closure is 1199.5307 meters on an Azimuth of 53.7386

Plan View
PAVISTMA #5-3-32



Section View
PAVISTMA #5-3-32

