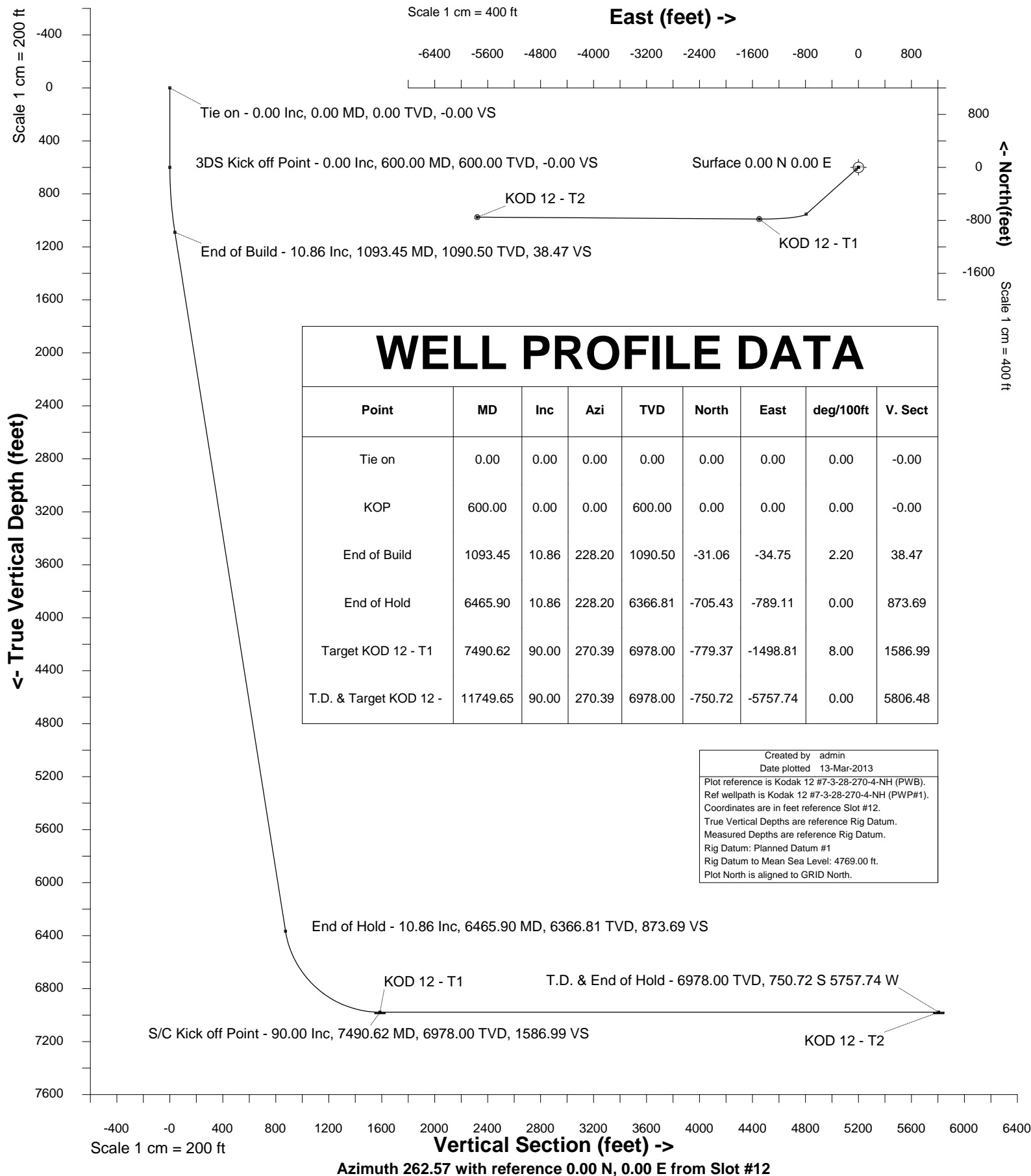


Location	Windsor, CO, USA(Imported)	Slot	Slot #12
Field	Windsor Project	Well	Kodak 12 #7-3-28-270-4-NH
Installation	Kodak	Wellbore	Kodak 12 #7-3-28-270-4-NH (PWB)





SYSDRILL
Well Design Combined Report
Wellbore: Kodak 12 #7-3-28-270-4-NH (PWB)
Wellpath: Kodak 12 #7-3-28-270-4-NH (PWP#1)

Wellhead Details

Name	Northing	Easting	Latitude	Longitude	North	East
Slot #12	1411520.5805	3171020.4922	N40 27 41.0353	W104 53 7.3828	175.98S	0.08E

Site Details

Name	Northing	Easting	Coord System Name	North Alignment
Kodak	1411696.5566	3171020.4161	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Summary Wellpath

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1411520.58	3171020.49
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
1093.45	10.86	228.200	1090.50	31.06S	34.75W	2.20	38.47	1411489.52	3170985.75
6465.90	10.86	228.200	6366.81	705.43S	789.11W	==>	873.69	1410815.17	3170231.42
7490.62	90.00	270.390	6978.00	779.37S	1498.81W	8.00	1586.99	1410741.24	3169521.74
11749.65	90.00	270.390	6978.00	750.72S	5757.74W	==>	5806.48	1410769.89	3165262.97

Interpolated Wellpath

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1411520.58	3171020.49
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
400.00	0.00	0.000	400.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
500.00	0.00	0.000	500.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	1411520.58	3171020.49
700.00	2.20	228.200	699.98	1.28S	1.43W	2.20	1.58	1411519.30	3171019.06
800.00	4.40	228.200	799.80	5.12S	5.72W	2.20	6.34	1411515.47	3171014.77
900.00	6.60	228.200	899.34	11.50S	12.87W	2.20	14.25	1411509.08	3171007.63
1000.00	8.80	228.200	998.43	20.43S	22.86W	2.20	25.31	1411500.15	3170997.64
1093.45	10.86	228.200	1090.50	31.06S	34.75W	2.20	38.47	1411489.52	3170985.75
1100.00	10.86	228.200	1096.94	31.89S	35.67W	==>	39.49	1411488.70	3170984.83
1200.00	10.86	228.200	1195.15	44.44S	49.71W	==>	55.04	1411476.14	3170970.79
1300.00	10.86	228.200	1293.36	56.99S	63.75W	==>	70.58	1411463.59	3170956.75
1400.00	10.86	228.200	1391.57	69.54S	77.79W	==>	86.13	1411451.04	3170942.70
1500.00	10.86	228.200	1489.78	82.09S	91.83W	==>	101.68	1411438.49	3170928.66
1600.00	10.86	228.200	1587.99	94.65S	105.87W	==>	117.22	1411425.94	3170914.62
1700.00	10.86	228.200	1686.20	107.20S	119.91W	==>	132.77	1411413.39	3170900.58
1800.00	10.86	228.200	1784.41	119.75S	133.96W	==>	148.31	1411400.83	3170886.54
1900.00	10.86	228.200	1882.62	132.30S	148.00W	==>	163.86	1411388.28	3170872.50
2000.00	10.86	228.200	1980.83	144.86S	162.04W	==>	179.41	1411375.73	3170858.46
2100.00	10.86	228.200	2079.04	157.41S	176.08W	==>	194.95	1411363.18	3170844.42
2200.00	10.86	228.200	2177.25	169.96S	190.12W	==>	210.50	1411350.63	3170830.38
2300.00	10.86	228.200	2275.46	182.51S	204.16W	==>	226.05	1411338.07	3170816.34
2400.00	10.86	228.200	2373.67	195.07S	218.20W	==>	241.59	1411325.52	3170802.30
2500.00	10.86	228.200	2471.88	207.62S	232.24W	==>	257.14	1411312.97	3170788.26
2600.00	10.86	228.200	2570.09	220.17S	246.29W	==>	272.68	1411300.42	3170774.22
2700.00	10.86	228.200	2668.30	232.72S	260.33W	==>	288.23	1411287.87	3170760.18
2800.00	10.86	228.200	2766.51	245.28S	274.37W	==>	303.78	1411275.31	3170746.13
2900.00	10.86	228.200	2864.72	257.83S	288.41W	==>	319.32	1411262.76	3170732.09
3000.00	10.86	228.200	2962.93	270.38S	302.45W	==>	334.87	1411250.21	3170718.05
3100.00	10.86	228.200	3061.14	282.93S	316.49W	==>	350.42	1411237.66	3170704.01
3200.00	10.86	228.200	3159.35	295.49S	330.53W	==>	365.96	1411225.11	3170689.97
3300.00	10.86	228.200	3257.56	308.04S	344.57W	==>	381.51	1411212.55	3170675.93
3400.00	10.86	228.200	3355.77	320.59S	358.62W	==>	397.06	1411200.00	3170661.89
3500.00	10.86	228.200	3453.98	333.14S	372.66W	==>	412.60	1411187.45	3170647.85
3600.00	10.86	228.200	3552.20	345.70S	386.70W	==>	428.15	1411174.90	3170633.81
3700.00	10.86	228.200	3650.41	358.25S	400.74W	==>	443.69	1411162.35	3170619.77
3800.00	10.86	228.200	3748.62	370.80S	414.78W	==>	459.24	1411149.79	3170605.73
3900.00	10.86	228.200	3846.83	383.35S	428.82W	==>	474.79	1411137.24	3170591.69
4000.00	10.86	228.200	3945.04	395.90S	442.86W	==>	490.33	1411124.69	3170577.65
4100.00	10.86	228.200	4043.25	408.46S	456.90W	==>	505.88	1411112.14	3170563.61
4200.00	10.86	228.200	4141.46	421.01S	470.95W	==>	521.43	1411099.59	3170549.56
4300.00	10.86	228.200	4239.67	433.56S	484.99W	==>	536.97	1411087.04	3170535.52
4400.00	10.86	228.200	4337.88	446.11S	499.03W	==>	552.52	1411074.48	3170521.48
4500.00	10.86	228.200	4436.09	458.67S	513.07W	==>	568.06	1411061.93	3170507.44
4600.00	10.86	228.200	4534.30	471.22S	527.11W	==>	583.61	1411049.38	3170493.40
4700.00	10.86	228.200	4632.51	483.77S	541.15W	==>	599.16	1411036.83	3170479.36
4800.00	10.86	228.200	4730.72	496.32S	555.19W	==>	614.70	1411024.28	3170465.32
4900.00	10.86	228.200	4828.93	508.88S	569.23W	==>	630.25	1411011.72	3170451.28
5000.00	10.86	228.200	4927.14	521.43S	583.28W	==>	645.80	1410999.17	3170437.24
5100.00	10.86	228.200	5025.35	533.98S	597.32W	==>	661.34	1410986.62	3170423.20

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4769.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 262.570 degrees
Bottom hole distance is 5806.48 Feet on azimuth 262.57 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 13-Mar-2013



SYSDRILL
Well Design Combined Report
Wellbore: Kodak 12 #7-3-28-270-4-NH (PWB)
Wellpath: Kodak 12 #7-3-28-270-4-NH (PWP#1)

Interpolated Wellpath

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
5200.00	10.86	228.200	5123.56	546.53S	611.36W	==>	676.89	1410974.07	3170409.16
5300.00	10.86	228.200	5221.77	559.09S	625.40W	==>	692.43	1410961.52	3170395.12
5400.00	10.86	228.200	5319.98	571.64S	639.44W	==>	707.98	1410948.96	3170381.08
5500.00	10.86	228.200	5418.19	584.19S	653.48W	==>	723.53	1410936.41	3170367.04
5600.00	10.86	228.200	5516.40	596.74S	667.52W	==>	739.07	1410923.86	3170352.99
5700.00	10.86	228.200	5614.61	609.30S	681.56W	==>	754.62	1410911.31	3170338.95
5800.00	10.86	228.200	5712.82	621.85S	695.61W	==>	770.17	1410898.76	3170324.91
5900.00	10.86	228.200	5811.03	634.40S	709.65W	==>	785.71	1410886.20	3170310.87
6000.00	10.86	228.200	5909.24	646.95S	723.69W	==>	801.26	1410873.65	3170296.83
6100.00	10.86	228.200	6007.46	659.51S	737.73W	==>	816.81	1410861.10	3170282.79
6200.00	10.86	228.200	6105.67	672.06S	751.77W	==>	832.35	1410848.55	3170268.75
6300.00	10.86	228.200	6203.88	684.61S	765.81W	==>	847.90	1410836.00	3170254.71
6400.00	10.86	228.200	6302.09	697.16S	779.85W	==>	863.44	1410823.44	3170240.67
6465.90	10.86	228.200	6366.81	705.43S	789.11W	==>	873.69	1410815.17	3170231.42
6500.00	12.99	236.460	6400.17	709.69S	794.70W	8.00	879.78	1410810.91	3170225.83
6600.00	20.09	249.770	6496.01	721.86S	820.22W	8.00	906.67	1410798.75	3170200.30
6700.00	27.67	256.170	6587.40	733.37S	858.94W	8.00	946.55	1410787.24	3170161.59
6800.00	35.42	259.950	6672.56	743.99S	910.10W	8.00	998.65	1410776.62	3170110.43
6900.00	43.26	262.520	6749.85	753.53S	972.71W	8.00	1061.97	1410767.08	3170047.82
7000.00	51.13	264.430	6817.75	761.78S	1045.54W	8.00	1135.26	1410758.83	3169974.99
7100.00	59.04	265.950	6874.94	768.60S	1127.19W	8.00	1217.10	1410752.01	3169893.34
7200.00	66.95	267.240	6920.32	773.84S	1216.06W	8.00	1305.90	1410746.77	3169804.48
7300.00	74.88	268.390	6952.99	777.41S	1310.42W	8.00	1399.93	1410743.20	3169710.13
7400.00	82.81	269.450	6972.32	779.24S	1408.43W	8.00	1497.36	1410741.37	3169612.12
7490.62	90.00	270.390	6978.00	779.37S	1498.81W	8.00	1586.99	1410741.24	3169521.74
7500.00	90.00	270.390	6978.00	779.30S	1508.19W	==>	1596.29	1410741.31	3169512.36
7600.00	90.00	270.390	6978.00	778.63S	1608.19W	==>	1695.36	1410741.98	3169412.36
7700.00	90.00	270.390	6978.00	777.96S	1708.19W	==>	1794.43	1410742.65	3169312.37
7800.00	90.00	270.390	6978.00	777.29S	1808.19W	==>	1893.50	1410743.32	3169212.38
7900.00	90.00	270.390	6978.00	776.61S	1908.18W	==>	1992.58	1410744.00	3169112.38
8000.00	90.00	270.390	6978.00	775.94S	2008.18W	==>	2091.65	1410744.67	3169012.39
8100.00	90.00	270.390	6978.00	775.27S	2108.18W	==>	2190.72	1410745.34	3168912.39
8200.00	90.00	270.390	6978.00	774.60S	2208.18W	==>	2289.79	1410746.01	3168812.40
8300.00	90.00	270.390	6978.00	773.92S	2308.17W	==>	2388.86	1410746.69	3168712.41
8400.00	90.00	270.390	6978.00	773.25S	2408.17W	==>	2487.93	1410747.36	3168612.41
8500.00	90.00	270.390	6978.00	772.58S	2508.17W	==>	2587.00	1410748.03	3168512.42
8600.00	90.00	270.390	6978.00	771.91S	2608.17W	==>	2686.08	1410748.71	3168412.43
8700.00	90.00	270.390	6978.00	771.23S	2708.17W	==>	2785.15	1410749.38	3168312.43
8800.00	90.00	270.390	6978.00	770.56S	2808.16W	==>	2884.22	1410750.05	3168212.44
8900.00	90.00	270.390	6978.00	769.89S	2908.16W	==>	2983.29	1410750.72	3168112.44
9000.00	90.00	270.390	6978.00	769.21S	3008.16W	==>	3082.36	1410751.40	3168012.45
9100.00	90.00	270.390	6978.00	768.54S	3108.16W	==>	3181.43	1410752.07	3167912.46
9200.00	90.00	270.390	6978.00	767.87S	3208.15W	==>	3280.51	1410752.74	3167812.46
9300.00	90.00	270.390	6978.00	767.20S	3308.15W	==>	3379.58	1410753.41	3167712.47
9400.00	90.00	270.390	6978.00	766.52S	3408.15W	==>	3478.65	1410754.09	3167612.47
9500.00	90.00	270.390	6978.00	765.85S	3508.15W	==>	3577.72	1410754.76	3167512.48
9600.00	90.00	270.390	6978.00	765.18S	3608.14W	==>	3676.79	1410755.43	3167412.49
9700.00	90.00	270.390	6978.00	764.51S	3708.14W	==>	3775.86	1410756.10	3167312.49
9800.00	90.00	270.390	6978.00	763.83S	3808.14W	==>	3874.93	1410756.78	3167212.50
9900.00	90.00	270.390	6978.00	763.16S	3908.14W	==>	3974.01	1410757.45	3167112.50
10000.00	90.00	270.390	6978.00	762.49S	4008.14W	==>	4073.08	1410758.12	3167012.51
10100.00	90.00	270.390	6978.00	761.82S	4108.13W	==>	4172.15	1410758.79	3166912.52
10200.00	90.00	270.390	6978.00	761.14S	4208.13W	==>	4271.22	1410759.47	3166812.52
10300.00	90.00	270.390	6978.00	760.47S	4308.13W	==>	4370.29	1410760.14	3166712.53
10400.00	90.00	270.390	6978.00	759.80S	4408.13W	==>	4469.36	1410760.81	3166612.53
10500.00	90.00	270.390	6978.00	759.13S	4508.12W	==>	4568.43	1410761.48	3166512.54
10600.00	90.00	270.390	6978.00	758.45S	4608.12W	==>	4667.51	1410762.16	3166412.55
10700.00	90.00	270.390	6978.00	757.78S	4708.12W	==>	4766.58	1410762.83	3166312.55
10800.00	90.00	270.390	6978.00	757.11S	4808.12W	==>	4865.65	1410763.50	3166212.56
10900.00	90.00	270.390	6978.00	756.44S	4908.12W	==>	4964.72	1410764.17	3166112.57
11000.00	90.00	270.390	6978.00	755.76S	5008.11W	==>	5063.79	1410764.85	3166012.57
11100.00	90.00	270.390	6978.00	755.09S	5108.11W	==>	5162.86	1410765.52	3165912.58
11200.00	90.00	270.390	6978.00	754.42S	5208.11W	==>	5261.93	1410766.19	3165812.58
11300.00	90.00	270.390	6978.00	753.75S	5308.11W	==>	5361.01	1410766.86	3165712.59
11400.00	90.00	270.390	6978.00	753.07S	5408.10W	==>	5460.08	1410767.54	3165612.60
11500.00	90.00	270.390	6978.00	752.40S	5508.10W	==>	5559.15	1410768.21	3165512.60
11600.00	90.00	270.390	6978.00	751.73S	5608.10W	==>	5658.22	1410768.88	3165412.61
11700.00	90.00	270.390	6978.00	751.06S	5708.10W	==>	5757.29	1410769.55	3165312.61
11749.65	90.00	270.390	6978.00	750.72S	5757.74W	==>	5806.48	1410769.89	3165262.97

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4769.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 262.570 degrees
Bottom hole distance is 5806.48 Feet on azimuth 262.57 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 13-Mar-2013



SYSDRILL
Well Design Combined Report
Wellbore: Kodak 12 #7-3-28-270-4-NH (PWB)
Wellpath: Kodak 12 #7-3-28-270-4-NH (PWP#1)

Targets

Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting	Last Revised
KOD 12 - T1	779.37S	1498.81W	6978.00	N40 27 33.4363	W104 53 26.8418	1410741.24	3169521.74	8-Mar-2013
KOD 12 - T2	750.72S	5757.74W	6978.00	N40 27 34.0049	W104 54 21.9348	1410769.89	3165262.97	8-Mar-2013

Survey Tool Program

Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model
6008	Planned	11749.65	6978.00	WdW Rate Gyro	Standard

Notes

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4769.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 262.570 degrees
Bottom hole distance is 5806.48 Feet on azimuth 262.57 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 13-Mar-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: Kodak 12 #7-3-28-270-4-NH (PWB)
Wellpath: Kodak 12 #7-3-28-270-4-NH (PWP#1)

Ellipse separations are reported ONLY if BOTH wells have uncertainty data
Only Depth and Magnetic Reference Field error terms are correlated across tie points
Cutoff is calculated on CENTRE to CENTRE distance

Summary data uses Closest Approach clearance calculation for all minima
Hole size/Casings ARE included
Hole size/Casings are NOT subtracted from Centre-Centre distance
Confidence limit of 95.00% / 2.80 SD.

Wellbore

Name	Created	Last Revised
Kodak 12 #7-3-28-270-4-NH (PWB)	11-Mar-2013	11-Mar-2013

Well

Name	Government ID	Last Revised
Kodak 12 #7-3-28-270-4-NH		11-Mar-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Slot #12	1411520.5805	3171020.4922	N40 27 41.0353	W104 53 7.3828	175.98S	0.08E

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Kodak	3171020.4161	1411696.5566	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Windsor Project	3162710.0707	1407271.6545	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Clearance Summary

Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
Kodak 11 #7-3-28-27	Kodak 11 #7-3-28-270-4-CH (PWB)	Slot #11	Kodak	15.95	623.36	623.36	14.93	656.17	3.14	11749.65
Kodak 13 #7-4-28-27	Kodak 13 #7-4-28-270-4-NH (PWB)	Slot #13	Kodak	16.05	600.00	700.42	15.05	633.46	3.20	11749.65
Kodak 14 #7-4-28-27	Kodak 14 #7-4-28-270-4-CH (PWB)	Slot #14	Kodak	31.96	634.59	701.83	30.92	668.19	5.36	11749.65
Kodak 10 #7-3-28-27	Kodak 10 #7-3-28-270-4-NH (PWB)	Slot #10	Kodak	31.99	606.96	7494.13	30.99	623.36	3.20	11749.65
Kodak 9 #7-2-28-27	Kodak 9 #7-2-28-270-4-NH (PWB)	Slot #9	Kodak	47.94	606.96	7500.00	46.96	606.96	6.41	11749.65
Kodak 15 #7-4-28-27	Kodak 15 #7-4-28-270-4-NH (PWB)	Slot #15	Kodak	47.97	600.00	600.00	46.97	634.72	6.40	11749.65
Kodak 8 #7-2-28-27	Kodak 8 #7-2-28-270-4-CH (PWB)	Slot #8	Kodak	64.00	600.00	11749.65	63.02	606.96	8.33	11749.65
Kodak 7 #7-2-28-27	Kodak 7 #7-2-28-270-4-NH (PWB)	Slot #7	Kodak	79.99	600.00	11749.65	79.03	606.96	9.61	11749.65
Kodak 6 #7-1-28-27	Kodak 6 #7-1-28-270-4-NH (PWB)	Slot #6	Kodak	95.96	600.00	11749.65	94.99	600.00	12.82	11749.65
Kodak 5 #7-1-28-27	Kodak 5 #7-1-28-270-4-CH (PWB)	Slot #5	Kodak	111.95	600.00	11749.65	110.99	600.00	14.59	11749.65
Kodak 4 #7-1-28-27	Kodak 4 #7-1-28-270-4-NH (PWB)	Slot #4	Kodak	127.92	600.00	600.00	126.95	600.00	16.02	11749.65
Kodak 3 #7-0-28-27	Kodak 3 #7-0-28-270-4-NH (PWB)	Slot #3	Kodak	143.93	600.00	11749.65	142.97	600.00	19.22	11749.65
Kodak 2 #7-0-28-27	Kodak 2 #7-0-28-270-4-CH (PWB)	Slot #2	Kodak	159.97	600.00	11749.65	159.00	600.00	20.94	11749.65

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Wellpath: Kodak 12 #7-3-28-270-4-NH (PWP#1)

Clearance Summary

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Kodak 1 #7-8-21-27 0-4-NH W Great Western #27-12 HILLSIDE 11	Kodak 1 #7-8-21-270-4 -NH (PWB) W Great Western #27-12 (AWB) HILLSIDE 11	Slot #1	Kodak	175.99	600.00	11749.65	175.02	600.00	22.41	11749.65
#0-7-28-00 0-4-CH HILLSIDE 10	#0-7-28-000-4 -CH (PWB) HILLSIDE 10 #8-7-29-000-4 -NH (PWB)	Great Western #27-12 Slot #11	Great Western 66N67W Hillside	284.60	5500.08	5500.08	277.35	5500.08	39.26	5469.08
#8-7-29-00 0-4-NH Poudre #25-28	#8-7-29-000-4 -NH (PWB) Poudre #25-28 (AWB)	Slot #10	Hillside	401.54	11749.65	11749.65	300.98	11749.65	3.99	11749.65
W Great Western #27-11 HILLSIDE 9	W Great Western #27-11 (AWB) HILLSIDE 9 #7-7-29-000-4 -NH (PWB)	Slot #9	Hillside	553.24	11749.65	11749.65	452.88	11749.65	5.51	11749.65
W Great Western #27-52 HILLSIDE 7	W Great Western #27-52 (AWB) HILLSIDE 7 #7-7-29-000-4 -CH (PWB)	Poudre #25-28	Poudre (Kerr-McGee Oil & Gas)	622.13	9686.90	9686.90	570.04	9711.29	10.78	9924.54
#7-7-29-00 0-4-CH Poudre #11-28	#7-7-29-000-4 -CH (PWB) Poudre #11-28 (AWB)	Great Western #27-11 Slot #9	Great Western 66N67W Hillside	677.37	3200.00	3200.00	674.21	3200.00	186.06	7053.81
Poudre #10-28	Poudre #10-28 (AWB)	Great Western #27-52 Slot #7	Great Western 66N67W Hillside	882.11	11749.65	11749.65	781.58	11749.65	8.78	11749.65
HILLSIDE 8 #7-7-29-00 0-4-NH Great Western 27-13	HILLSIDE 8 #7-7-29-000-4 -NH (PWB) W #12 Great Western 27-13 (AWB)	Great Western #27-11 Slot #9	Great Western 66N67W Hillside	998.72	4232.28	4232.28	994.18	4232.28	218.11	4494.75
W Great Western #27-21 W Great Western #27-22 HILLSIDE 5	W Great Western #27-21 (AWB) W Great Western #27-22 (AWB) HILLSIDE 5 #6-7-29-000-4 -NH (PWB)	Great Western #27-52 Slot #7	Great Western 66N67W Hillside	1051.23	11749.65	11749.65	1007.53	11749.65	24.06	11749.65
#6-7-29-00 0-4-NH Poudre #23-28	#6-7-29-000-4 -CH (PWB) Poudre #11-28 (AWB)	Poudre #11-28	Poudre (Kerr-McGee Oil & Gas)	1179.87	10249.54	10249.54	1130.66	10252.62	23.48	10515.09
Poudre #19-28	Poudre #19-28 (AWB)	Poudre #10-28	Poudre (Kerr-McGee Oil & Gas)	1184.75	8989.50	8989.50	1127.72	9022.31	18.93	9366.80
HILLSIDE 6 #6-7-29-00 0-4-CH W Great Western #27-23	HILLSIDE 6 #6-7-29-000-4 -CH (PWB) W Great Western #27-23 (AWB)	Great Western #10-28	Great Western 66N67W Hillside	1210.95	11749.65	11749.65	1110.96	11749.65	12.11	11749.65
HILLSIDE 3 #5-7-29-00 0-4-NH	HILLSIDE 3 #5-7-29-000-4 -NH (PWB)	Great Western #27-13	Great Western (Great Western Oil & Gas)	1295.18	6610.89	6610.89	1284.70	6610.89	102.40	7283.46
		Great Western #27-21	Great Western 66N67W Hillside	1301.39	2675.40	2675.40	1298.27	2675.40	366.38	3608.92
		Great Western #27-22	Great Western 66N67W Hillside	1447.94	606.96	606.96	1447.45	623.36	212.62	6561.68
		Slot #5	Hillside	1540.67	11749.65	11749.65	1441.29	11749.65	15.50	11749.65
		Poudre #23-28	Poudre (Kerr-McGee Oil & Gas)	1830.14	9673.45	9673.45	1786.00	9700.00	37.57	10269.03
		Poudre #19-28	Poudre (Kerr-McGee Oil & Gas)	1833.69	10882.38	10882.38	1769.55	10900.00	28.16	11122.05
		Slot #6	Hillside	1887.83	11749.65	11749.65	1788.94	11749.65	19.09	11749.65
		Great Western #27-23	Great Western (Great Western Oil & Gas)	1977.65	5347.77	5347.77	1969.07	5364.17	187.29	6938.98
		Slot #3	Hillside	2039.49	11749.65	11749.65	1940.68	11749.65	20.64	11749.65

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Clearance Summary

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W Great Western # 27-53	W Great Western # 27-53 (AWB)	Great Western # 27-53	Great Western (Great Western Oil & Gas)	2174.24	6528.87	6528.87	2163.62	6528.87	162.88	7660.76
Great Western 27-31-8	Great Western 27-31-8 (AWB)	Great Western 27-31-8	Great Western Diamond Valley	2373.40	5367.26	5367.26	2367.73	5367.26	363.36	6600.00
DIAMOND VALLEY SW 9-5-22	DIAMOND VALLEY SW 1 #4-7-22-270-6-NH (PWB #2)	Slot #1	Diamond Valley SW	2478.65	600.00	6800.00	2477.68	606.96	23.42	11749.65
Poudre #15-28	Poudre #15-28 (AWB)	Poudre #15-28	Poudre (Kerr-McGee Oil & Gas)	2481.25	8973.60	8973.60	2426.87	9000.00	43.83	9498.03
DIAMOND VALLEY SW 2	DIAMOND VALLEY SW 2 #4-7-22-270-6-CH (PWB #2)	Slot #2	Diamond Valley SW	2491.73	600.00	6977.42	2490.76	606.96	24.93	11749.65
DIAMOND VALLEY SW 3	DIAMOND VALLEY SW 3 #4-7-22-270-6-NH (PWB #2)	Slot #3	Diamond Valley SW	2504.82	600.00	6726.71	2503.85	606.96	26.35	11749.65
DIAMOND VALLEY SW 4	DIAMOND VALLEY SW 4 #4-6-22-270-6-NH (PWB #2)	Slot #4	Diamond Valley SW	2521.22	600.00	6676.69	2520.24	606.96	29.28	11749.65
DIAMOND VALLEY SW 8-2-22	DIAMOND VALLEY SW 5 #4-6-22-270-6-CH (PWB #2)	Slot #5	Diamond Valley SW	2534.35	600.00	6900.00	2533.38	606.96	30.79	11749.65
DIAMOND VALLEY SW 6	DIAMOND VALLEY SW 6 #4-6-22-270-6-NH (PWB #2)	Slot #6	Diamond Valley SW	2546.30	600.00	11749.65	2545.33	606.96	32.14	11749.65
HILLSIDE 2 #5-7-29-00-0-4-CH	HILLSIDE 2 #5-7-29-000-4-CH (PWB)	Slot #2	Hillside	2557.53	11749.65	11749.65	2459.28	11749.65	26.03	11749.65
DIAMOND VALLEY SW 7	DIAMOND VALLEY SW 7 #4-5-22-270-6-NH (PWB #2)	Slot #7	Diamond Valley SW	2562.76	574.15	6580.54	2561.83	590.55	35.13	11749.65
Poudre #14-28	Poudre #14-28 (AWB)	Poudre #14-28	Poudre (Kerr-McGee Oil & Gas)	2566.82	10226.82	10226.82	2522.36	10269.03	50.63	11171.26
DIAMOND VALLEY SW 8	DIAMOND VALLEY SW 8 #4-5-22-270-6-CH (PWB #2)	Slot #8	Diamond Valley SW	2575.95	574.15	6779.65	2575.02	590.55	36.64	11749.65
DIAMOND VALLEY SW 9	DIAMOND VALLEY SW 9 #4-5-22-270-6-NH (PWB #2)	Slot #9	Diamond Valley SW	2592.46	600.00	6532.99	2591.49	600.00	38.05	11749.65
W Great Western	W Great Western	Great Western	Great Western	2600.51	6758.53	6758.53	2589.97	6758.53	147.59	8562.99

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Clearance Summary

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#27-14	#27-14 (AWB)	#27-14	(Great Western Oil & Gas) Hillside							
HILLSIDE 4 #5-7-29-00 0-4-NH Great Western 27-21-3	HILLSIDE 4 #5-7-29-000-4 -NH (PWB) Great Western 27-21-3 (AWB)	Slot #4 Great Western 27-21-3	 Great Western Diamond Valley Center Point	2640.27	11749.65	11749.65	2541.13	11749.65	26.63	11749.65
CENTER POINT 5 #8-1-32-18 0-4-NH Poudre #36-28	CENTER POINT 5 #8-1-32-180-4 -NH (PWB) Poudre #36-28 (AWB)	Slot #5 Poudre #36-28	 Poudre (Kerr-McGee Oil & Gas) Center Point	2943.05	4576.77	4576.77	2938.96	4625.98	524.42	7349.08
CENTER POINT 7 #0-1-33-18 0-4-NH Diamond Valley 22-34	CENTER POINT 7 #0-1-33-180-4 -NH (PWB) Diamond Valley 22-34 (AWB)	Slot #7 Diamond Valley 22-34	 Great Western Diamond Valley Center Point	3152.09	11749.65	11749.65	3091.32	11749.65	51.86	11749.65
Diamond Valley 22-23-18	Diamond Valley 22-23-18 (AWB)	Diamond Valley 22-23-18	Great Western Diamond Valley	3168.40	738.19	738.19	3167.80	738.19	581.21	9760.50
Great Western 27-31-2	Great Western 27-31-2 (AWB)	Great Western 27-31-2	Great Western Diamond Valley	3173.78	738.19	738.19	3173.18	738.19	421.90	10039.37
CENTER POINT 8 #1-0-33-09 0-4-NH Diamond Valley 22-22-13	CENTER POINT 8 #1-0-33-090-4 -NH (PWB) Diamond Valley 22-22-13 (AWB)	Slot #8 Diamond Valley 22-22-13	 Great Western Diamond Valley Center Point	3195.54	639.76	639.76	3195.02	639.76	681.03	6800.00
Diamond Valley 22-33	Diamond Valley 22-33 (AWB)	Diamond Valley 22-33	Great Western Diamond Valley	3200.14	7467.06	7467.06	3153.42	7490.62	53.50	11749.65
Diamond Valley 22-54	Diamond Valley 22-54 (AWB)	Diamond Valley 22-54	Great Western Diamond Valley	3202.14	639.76	639.76	3201.62	639.76	359.23	11269.69
Diamond Valley 22-32-12	Diamond Valley 22-32-12 (AWB)	Diamond Valley 22-32-12	Great Western Diamond Valley	3211.64	229.66	229.66	3211.44	311.68	447.20	11154.86
Diamond Valley 22-43	Diamond Valley 22-43 (AWB)	Diamond Valley 22-43	Great Western Diamond Valley	3229.84	200.00	200.00	3229.67	213.25	561.04	11056.43
CENTER POINT 6 #1-0-33-09 0-4-CH Diamond Valley 22-44	CENTER POINT 6 #1-0-33-090-4 -CH (PWB) Diamond Valley 22-44 (AWB)	Slot #6 Diamond Valley 22-44	 Great Western Diamond Valley Center Point	3248.06	200.00	200.00	3247.90	213.25	464.07	11749.65
Great Western 27-41-10	Great Western 27-41-10 (AWB)	Great Western 27-41-10	Great Western Diamond Valley	3268.90	200.00	200.00	3268.74	200.00	577.49	11749.65
Great Western 27-41-1	Great Western 27-41-1 (AWB)	Great Western 27-41-1	Great Western Diamond Valley	3279.39	7470.79	11749.65	3232.96	7490.62	54.07	11749.65
RAINDAN	RAINDANCE	Slot #7	Raundance	3288.43	200.00	200.00	3288.26	200.00	753.46	11450.13
				3306.69	200.00	200.00	3306.52	200.00	654.08	6800.00
				3324.96	200.00	200.00	3324.80	200.00	820.01	6800.00
				3347.22	11749.65	11749.65	3254.28	11749.65	36.01	11749.65

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CE 7	7									
#1-0-32-09	#1-0-32-090-4									
0-4-NH	-NH (PWB)									
CENTER POINT 4	CENTER POINT 4	Slot #4	Center Point	3380.07	7465.38	11749.65	3333.36	7480.31	56.37	11749.65
#1-0-33-09	#1-0-33-090-4									
0-4-NH	-NH (PWB)									
RAINDANCE CE 8	RAINDANCE 8	Slot #8	Raindance	3400.72	11749.65	11749.65	3307.39	11749.65	36.44	11749.65
#1-0-32-09	#1-0-32-090-4									
0-4-CH	-CH (PWB)									
RAINDANCE CE 9	RAINDANCE 9	Slot #9	Raindance	3557.29	11749.65	11749.65	3463.01	11749.65	37.73	11749.65
#1-0-32-09	#1-0-32-090-4									
0-4-NH	-NH (PWB)									
RANCHO WATER VALLEY 9	RANCHO WATER VALLEY 9	Slot #09	Rancho Water Valley	3586.33	7283.46	7283.46	3557.21	7250.66	42.62	10761.15
#8-7-33-00	#8-7-33-000-4									
0-4-CH	-CH (PWB)									
RANCHO WATER VALLEY 8	RANCHO WATER VALLEY 8	Slot #08	Rancho Water Valley	3597.34	7185.04	7185.04	3575.78	7201.44	77.29	10318.24
#8-7-33-00	#8-7-33-000-4									
0-4-NH	-NH (PWB)									
CENTER POINT 3	CENTER POINT 3	Slot #3	Center Point	3620.01	7463.91	11749.65	3560.85	11749.65	60.01	11749.65
#1-1-33-09	#1-1-33-090-4									
0-4-NH	-NH (PWB)									
CENTER POINT 1	CENTER POINT 1	Slot #1	Center Point	3757.84	11749.65	11749.65	3697.53	11749.65	62.32	11749.65
#1-1-33-09	#1-1-33-090-4									
0-4-CH	-CH (PWB)									
RAINDANCE CE 2	RAINDANCE 2	Slot #2	Raindance	3823.09	11749.65	11749.65	3587.09	11749.65	16.20	11749.65
#1-1-32-09	#1-1-32-090-4									
0-4-NH	-NH									
CENTER POINT 2	CENTER POINT 2	Slot #2	Center Point	3901.96	11749.65	11749.65	3842.07	11749.65	65.15	11749.65
#1-1-33-09	#1-1-33-090-4									
0-4-NH	-NH (PWB)									
RAINDANCE CE 3	RAINDANCE 3	Slot #3	Raindance	3981.45	11749.65	11749.65	3744.06	11749.65	16.77	11749.65
#1-1-32-09	#1-1-32-090-4									
0-4-CH	-CH (PWB)									
RAINDANCE CE 4	RAINDANCE 4	Slot #4	Raindance	4140.75	11749.65	11749.65	3901.62	11749.65	17.32	11749.65
#1-1-32-09	#1-1-32-090-4									
0-4-NH	-NH (PWB)									
HILLSIDE 14	HILLSIDE 14	Slot #14	Hillside	4280.20	7463.91	7463.91	4205.40	7480.31	57.10	7496.72
#2-1-33-09	#2-1-33-090-4									
0-4-NH	-NH (PWB)									
HILLSIDE 15	HILLSIDE 15	Slot #15	Hillside	4445.13	7463.91	11749.65	4370.37	7480.31	59.34	7496.72
#2-1-33-09	#2-1-33-090-4									
0-4-CH	-CH (PWB)									
RAINDANCE CE 5	RAINDANCE 5	Slot #5	Raindance	4459.74	11749.65	11749.65	4218.33	11749.65	18.47	11749.65
#1-2-32-09	#1-2-32-090-4									
0-4-NH	-NH (PWB)									
HILLSIDE 18	HILLSIDE 18	Slot #18	Hillside	4611.71	7463.91	11749.65	4537.01	7480.31	61.59	7496.72
#2-1-33-09	#2-1-33-090-4									
0-4-NH	-NH (PWB)									
RAINDANCE CE 6	RAINDANCE 6	Slot #6	Raindance	4624.77	11749.65	11749.65	4382.51	11749.65	19.09	11749.65
#1-2-32-09	#1-2-32-090-4									
0-4-CH	-CH (PWB)									
PAVISTMA 12	PAVISTMA 12	Slot #12	Pavistma	4749.99	11749.65	11749.65	4664.92	11749.65	55.84	11749.65
#1-2-32-09	#1-2-32-090-4									
0-4-NH	-NH (PWB)									
HILLSIDE 17	HILLSIDE 17	Slot #17	Hillside	4905.39	11749.65	11749.65	4838.38	11749.65	65.83	7496.72
	#3-1-33-090-4									

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#3-1-33-09 0-4-NH PAVISTMA 11	-NH (PWB) PAVISTMA 11	Slot #11	Pavistma	5073.08	11749.65	11749.65	4987.08	11749.65	58.98	11749.65
#1-3-32-09 0-4-NH PAVISTMA 10	#1-3-32-090-4 -NH (PWB) PAVISTMA 10	Slot #10	Pavistma	5104.81	7463.91	7463.91	5006.26	7490.62	51.69	7496.72
#1-3-32-09 0-8-CH FRYE FARMS 12	#1-3-32-090-8 -CH (PWB) FRYE FARMS 12	Slot #12	Frye Farms	5270.85	7463.91	7463.91	5206.48	7496.72	81.23	11749.65
#1-3-33-09 0-4-NH HILLSIDE 2-4-32 PAVISTMA 9	#1-3-33-090-4 -NH (PWB) HILLSIDE 2-4-32 (PWB) PAVISTMA 9	HILLSIDE 2-4-32 Slot #9	Hillside Pavistma	5294.71 5397.06	11749.65 11749.65	11749.65 11749.65	5244.06 5310.28	11749.65 11749.65	104.53 62.19	11749.65 11749.65
#1-3-32-09 0-4-NH FRYE FARMS 11	#1-3-32-090-4 -NH (PWB) FRYE FARMS 11	Slot #11	Frye Farms	5600.93	7463.91	7463.91	5536.72	7496.72	86.67	11749.65
#1-4-33-09 0-4-NH PAVISTMA 8	#1-4-33-090-4 -NH (PWB) PAVISTMA 8	Slot #8	Pavistma	5721.73	11749.65	11749.65	5634.22	11749.65	65.38	11749.65
#1-3-32-09 0-4-NH PAVISTMA 7	#1-3-32-090-4 -NH (PWB) PAVISTMA 7	Slot #7	Pavistma	5764.52	7463.91	7463.91	5666.15	7463.91	58.59	7480.31
#1-4-32-09 0-8-CH FRYE FARMS 10	#1-4-32-090-8 -CH (PWB) FRYE FARMS 10	Slot #10	Frye Farms	5982.14	7431.72	7431.72	5917.89	7463.91	92.44	7496.72
#1-4-33-09 0-4-NH PAVISTMA 6	#1-4-33-090-4 -NH (PWB) PAVISTMA 6	Slot #6	Pavistma	6123.83	11749.65	11749.65	6035.15	11749.65	69.05	11749.65
#1-4-32-09 0-4-NH FRYE FARMS 9	#1-4-32-090-4 -NH (PWB) FRYE FARMS 9	Slot #9	Frye Farms	6311.73	7400.00	7400.00	6247.25	7414.70	97.27	11749.65
#1-5-33-09 0-4-NH FRYE FARMS 13	#1-5-33-090-4 -NH (PWB) FRYE FARMS 13	Slot #13	Frye Farms	6474.95	7400.00	7400.00	6409.51	7385.94	98.95	7385.94
#5-5-32-09 0-6-CH RAINDANCE CE 1	#5-5-32-090-6 -CH (PWB) RAINDANCE 1 #1-1-32 (PWB)	Slot #1	Raindance	6482.97	11749.65	11749.65	6453.96	11749.65	223.47	11749.65
#1-1-32 FRYE FARMS 8	FRYE FARMS 8	Slot #8	Frye Farms	6641.70	7365.49	7365.49	6577.07	7361.36	102.17	11749.65
#1-5-33-09 0-4-NH Pavistma South 1	#1-5-33-090-4 -NH (PWB) Pavistma South 1	Slot #1	Pavistma South	6730.10	11749.65	11749.65	6639.15	11749.65	74.00	11749.65
#1-5-32-09 0-4-NH Pavistma South 2	#1-5-32-090-4 -NH (PWB) Pavistma South 2	Slot #2	Pavistma South	6911.66	11749.65	11749.65	6819.87	11749.65	75.30	11749.65
#1-5-32-09 0-4-CH PAVISTMA 5	#1-5-32-090-4 -CH (PWB) PAVISTMA 5	Slot #5	Pavistma	6914.23	11749.65	11749.65	6822.29	11749.65	75.20	11749.65
#1-5-32-09 0-4-NH FRYE FARMS 7	#1-5-32-090-4 -NH (PWB) FRYE FARMS 7	Slot #7	Frye Farms	6971.84	7365.49	7365.49	6907.42	7365.49	107.38	11749.65
#1-6-33-09 0-4-NH PAVISTMA 4-2-32 RANCHO WATER	#1-6-33-090-4 -NH (PWB) PAVISTMA 4-2-32 (AWB) RANCHO WATER	PAVISTMA 4-2-32 Slot #13	Pavistma Rancho Water Valley	7114.88 7124.05	11749.65 7365.49	11749.65 7365.49	7064.93 7102.02	11749.65 7447.51	142.44 78.54	11749.65 11749.65

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4769.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 262.570 degrees
Prepared by Peterson Energy
Date Printed: 13-Mar-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: Kodak 12 #7-3-28-270-4-NH (PWB)
Wellpath: Kodak 12 #7-3-28-270-4-NH (PWP#1)

Clearance Summary

Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
VALLEY 13 #7-6-33-27 0-6-CH	VALLEY 13 #7-6-33-270-6 -CH (PWB)									
PAVISTMA 5-3-32 FRYE FARMS 6 #1-6-33-09 0-4-NH	PAVISTMA 5-3-32 (AWB) FRYE FARMS 6 #1-6-33-090-4 -NH (PWB)	PAVISTMA 5-3-32 Slot #6	Pavistma Frye Farms	7253.86 7301.93	11749.65 7365.49	11749.65 7365.49	7196.89 7237.61	11749.65 7365.49	127.33 113.38	11749.65 11749.65
PAVISTMA 4 #1-6-32-09 0-4-NH	PAVISTMA 4 #1-6-32-090-4 -NH (PWB)	Slot #4	Pavistma	7401.98	11749.65	11749.65	7308.41	11749.65	79.11	11749.65
PAVISTMA 11-32 Pavistma South 3 #1-6-32-09 0-4-NH	PAVISTMA 11-32 (AWB) Pavistma South 3 #1-6-32-090-4 -NH (PWB)	PAVISTMA 11-32 Slot #3	Pavistma (Anadarko) Pavistma South	7443.35 7458.01	11749.65 11749.65	11749.65 11749.65	7358.25 7364.29	11749.65 11749.65	87.47 79.58	11749.65 11749.65
FRYE FARM 7-5-32 RANCHO WATER VALLEY 12 #7-7-33-27 0-4-NH	FRYE FARM 7-5-32 (AWB) RANCHO WATER VALLEY 12 #7-7-33-270-4 -NH (PWB)	FRYE FARMS #7-5-32 Slot #12	Frye Farms Rancho Water Valley	7631.71 7632.07	11749.65 7365.49	11749.65 7365.49	7548.20 7481.55	11749.65 11300.00	91.38 34.15	11749.65 11749.65
FRYE FARMS 5 #7-9-32-27 0-4-NH	FRYE FARMS 5 #7-9-32-270-4 -NH (PWB)	Slot #5	Frye Farms	7702.66	11566.11	11566.11	7639.73	11646.98	120.13	11749.65
RANCHO WATER VALLEY 11 #7-7-33-27 0-6-CH	RANCHO WATER VALLEY 11 #7-7-33-270-6 -CH (PWB)	Slot #11	Rancho Water Valley	7778.81	7365.49	7365.49	7757.21	7431.10	86.79	11749.65
RANCHO WATER VALLEY 10 #7-8-33-27 0-4-NH	RANCHO WATER VALLEY 10 #7-8-33-270-4 -NH (PWB)	Slot #10	Rancho Water Valley	7960.21	7365.49	7365.49	7938.41	7463.91	88.85	11749.65
FRYE FARMS 1 #7-8-32-27 0-4-NH	FRYE FARMS 1 #7-8-32-270-4 -NH (PWB)	Slot #1	Frye Farms	8001.95	11466.54	11466.54	7939.71	11532.15	124.55	11749.65
PAVISTMA 5-1-32 Pavistma South 4 #1-7-32-09 0-4-CH	PAVISTMA 5-1-32 (AWB) Pavistma South 4 #1-7-32-090-4 -CH (PWB)	PAVISTMA 5-1-32 Slot #4	Pavistma Pavistma South	8037.94 8047.57	11749.65 11749.65	11749.65 11749.65	7991.07 7952.00	11749.65 11749.65	171.48 84.21	11749.65 11749.65
PAVISTMA 12-32 Pavistma South 5 #1-8-32-09 0-4-NH	PAVISTMA 12-32 (AWB) Pavistma South 5 #1-8-32-090-4 -NH (PWB)	PAVISTMA 12-32 Slot #5	Pavistma (Anadarko) Pavistma South	8137.54 8290.71	11749.65 11749.65	11749.65 11749.65	8090.49 8194.44	11749.65 11749.65	172.95 86.12	11749.65 11749.65
PAVISTMA 19-32 RANCHO WATER VALLEY 7 #7-8-33-27 0-5-CH	PAVISTMA 19-32 (AWB) RANCHO WATER VALLEY 7 #7-8-33-270-5 -CH (PWB)	PAVISTMA 19-32 Slot #07	Pavistma (Anadarko) Rancho Water Valley	8325.14 8365.85	11749.65 7381.89	11749.65 7381.89	8251.95 8343.48	11749.65 7463.91	113.74 87.89	11749.65 11749.65
RANCHO WATER VALLEY 6 #0-7-4-270 -5-NH	RANCHO WATER VALLEY 6 #0-7-4-270-5- NH (PWB)	Slot #06	Rancho Water Valley	8532.26	7365.49	7365.49	8510.03	7463.91	89.53	11749.65
FRYE FARMS #9-7-32 FRYE FARMS	FRYE FARMS #9-7-32 (AWB) FRYE FARMS	FRYE FARMS #9-7-32	Frye Farms Frye Farms	8566.45 8853.91	11749.65 11749.65	11749.65 11749.65	8504.07 8779.35	11749.65 11749.65	137.33 118.75	11749.65 11749.65

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Clearance Summary

Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
#9-5-32	#9-5-32 (AWB)	#9-5-32								
RANCHO WATER VALLEY 4	RANCHO WATER VALLEY 4	Slot #04	Rancho Water Valley	8863.44	7365.49	7365.49	8706.83	11154.86	39.19	11749.65
#7-1-4-270-4-NH	#7-1-4-270-4-NH (PWB)									
RANCHO WATER VALLEY	RANCHO WATER VALLEY	Slot #03	Rancho Water Valley	9137.99	8267.97	8267.97	9071.44	8366.14	100.84	11749.65
#2-6-4	#2-6-4 (AWB)									
RANCHO WATER VALLEY	RANCHO WATER VALLEY	Slot #02	Rancho Water Valley	9150.47	7332.68	7332.68	9124.18	7349.08	158.76	11749.65
#2-8-4	2-8-4 (AWB)									
Lind #13-32	Lind #13-32 (AWB)	Lind #13-32	Lind (Anadarko)	9151.83	11749.65	11749.65	9094.42	11749.65	159.40	11749.65
RANCHO WATER VALLEY 5	RANCHO WATER VALLEY 5	Slot #05	Rancho Water Valley	9248.40	3289.00	3289.00	9242.94	3300.00	41.86	11749.65
#7-2-4-270-4-NH	#7-2-4-270-4-NH (PWB)									
RANCHO WATER VALLEY	RANCHO WATER VALLEY	Slot #01	Rancho Water Valley	9449.19	1838.23	7135.83	9446.48	1853.67	170.23	11749.65
#3-9-4	#3-9-4 (AWB)									
Anderson #1	Anderson #1 (AWB)	Anderson #1	Anderson (J.K. Wadley)	9851.49	11749.65	11749.65	9810.60	11749.65	240.93	11749.65