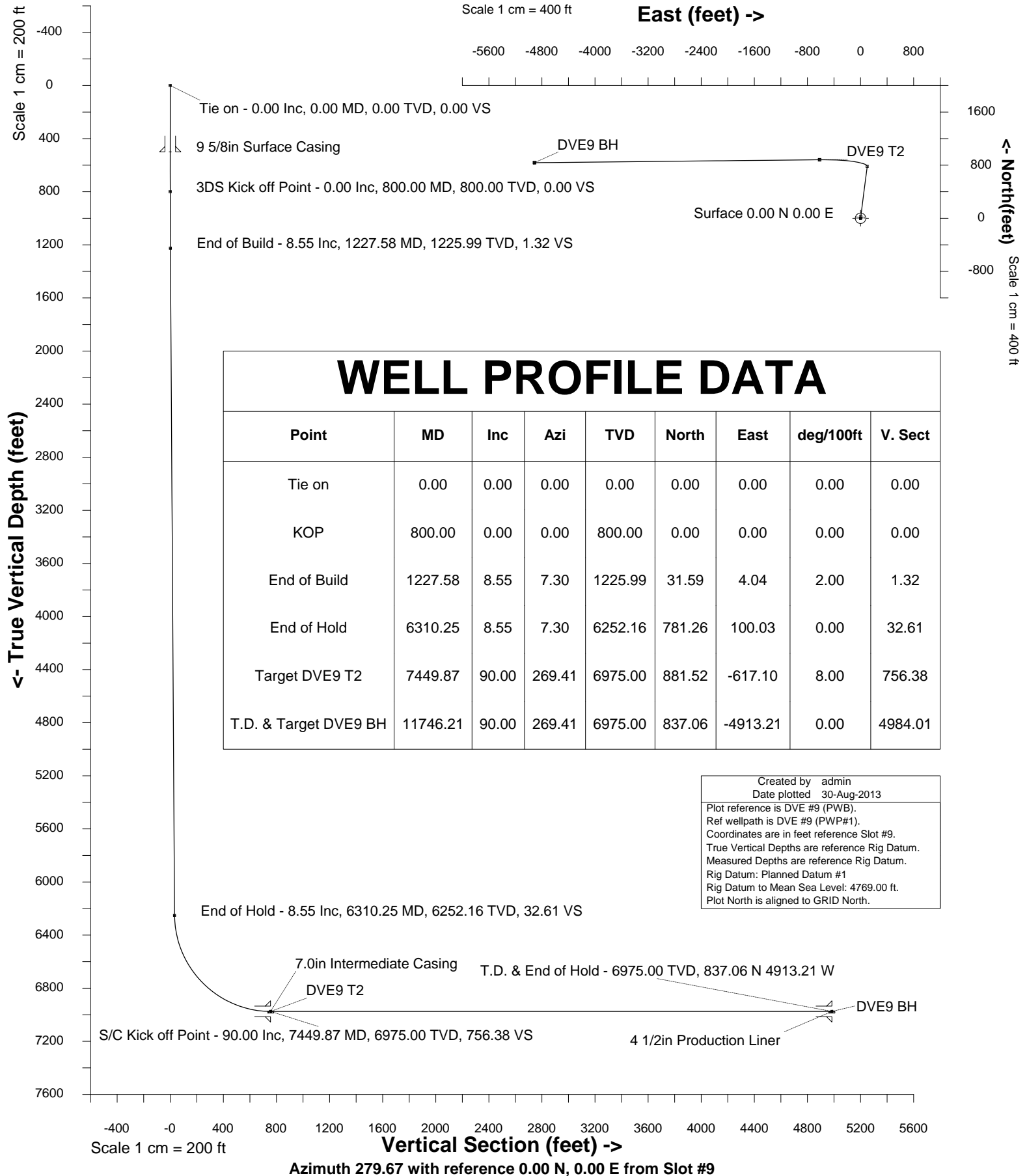


TEKTON WINDSOR, LLC

Location Windsor, CO, USA(Imported)
Field Windsor Project
Installation Diamond Valley East

Slot Slot #9
Well DVE #9
Wellbore DVE #9 (PWB)





INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DVE #9 (PWB)

Wellhead Details							
Name	Northing	Easting	Latitude	Longitude	North	East	Elevation Above Inst.
Slot #9	1413865.0000	3175339.0000	40.46775070	-104.86980482	128.00N	0.00E	-0.00

Declination			
Date	Source	Time	
28-Aug-2013	IGRF Model [1900.0-2015.0]		15:21

Site Details				
Name	Northing	Easting	Coord System Name	North Alignment
Diamond Valley East	1413737.0000	3175339.0000	CO83-NF on NAD83 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	1413865.00	3175339.00
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
1227.58	8.55	7.300	1225.99	31.59N	4.04E	2.00	1.32	1413896.59	3175343.04
6310.25	8.55	7.300	6252.16	781.26N	100.03E	==>	32.61	1414646.24	3175439.02
7449.87	90.00	269.410	6975.00	881.52N	617.10W	8.00	756.38	1414746.48	3174721.92
11746.21	90.00	269.410	6975.00	837.06N	4913.21W	==>	4984.01	1414702.03	3170425.97

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	1413865.00	3175339.00
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
400.00	0.00	0.000	400.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
500.00	0.00	0.000	500.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
700.00	0.00	0.000	700.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	1413865.00	3175339.00
900.00	2.00	7.300	899.98	1.73N	0.22E	2.00	0.07	1413866.73	3175339.22
1000.00	4.00	7.300	999.84	6.92N	0.89E	2.00	0.29	1413871.92	3175339.89
1100.00	6.00	7.300	1099.45	15.57N	1.99E	2.00	0.65	1413880.57	3175340.99
1200.00	8.00	7.300	1198.70	27.65N	3.54E	2.00	1.15	1413892.65	3175342.54
1227.58	8.55	7.300	1225.99	31.59N	4.04E	2.00	1.32	1413896.59	3175343.04
1300.00	8.55	7.300	1297.61	42.27N	5.41E	==>	1.76	1413907.27	3175344.41
1400.00	8.55	7.300	1396.50	57.02N	7.30E	==>	2.38	1413922.02	3175346.30
1500.00	8.55	7.300	1495.39	71.77N	9.19E	==>	3.00	1413936.77	3175348.19
1600.00	8.55	7.300	1594.27	86.52N	11.08E	==>	3.61	1413951.52	3175350.08
1700.00	8.55	7.300	1693.16	101.27N	12.97E	==>	4.23	1413966.27	3175351.97
1800.00	8.55	7.300	1792.05	116.02N	14.85E	==>	4.84	1413981.02	3175353.85
1900.00	8.55	7.300	1890.94	130.77N	16.74E	==>	5.46	1413995.77	3175355.74
2000.00	8.55	7.300	1989.83	145.52N	18.63E	==>	6.07	1414010.52	3175357.63
2100.00	8.55	7.300	2088.72	160.27N	20.52E	==>	6.69	1414025.26	3175359.52
2200.00	8.55	7.300	2187.60	175.02N	22.41E	==>	7.30	1414040.01	3175361.41
2300.00	8.55	7.300	2286.49	189.77N	24.30E	==>	7.92	1414054.76	3175363.30
2400.00	8.55	7.300	2385.38	204.52N	26.18E	==>	8.54	1414069.51	3175365.18
2500.00	8.55	7.300	2484.27	219.27N	28.07E	==>	9.15	1414084.26	3175367.07
2600.00	8.55	7.300	2583.16	234.02N	29.96E	==>	9.77	1414099.01	3175368.96
2700.00	8.55	7.300	2682.04	248.77N	31.85E	==>	10.38	1414113.76	3175370.85
2800.00	8.55	7.300	2780.93	263.52N	33.74E	==>	11.00	1414128.51	3175372.74
2900.00	8.55	7.300	2879.82	278.27N	35.63E	==>	11.61	1414143.26	3175374.63
3000.00	8.55	7.300	2978.71	293.02N	37.51E	==>	12.23	1414158.01	3175376.51
3100.00	8.55	7.300	3077.60	307.77N	39.40E	==>	12.85	1414172.75	3175378.40
3200.00	8.55	7.300	3176.49	322.52N	41.29E	==>	13.46	1414187.50	3175380.29
3300.00	8.55	7.300	3275.37	337.27N	43.18E	==>	14.08	1414202.25	3175382.18
3400.00	8.55	7.300	3374.26	352.01N	45.07E	==>	14.69	1414217.00	3175384.07
3500.00	8.55	7.300	3473.15	366.76N	46.96E	==>	15.31	1414231.75	3175385.96
3600.00	8.55	7.300	3572.04	381.51N	48.85E	==>	15.92	1414246.50	3175387.84
3700.00	8.55	7.300	3670.93	396.26N	50.73E	==>	16.54	1414261.25	3175389.73

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 279.670 degrees
Bottom hole distance is 4984.01 Feet on azimuth 279.67 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 30-Aug-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DVE #9 (PWB)

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
3800.00	8.55	7.300	3769.82	411.01N	52.62E	==>	17.15	1414276.00	3175391.62
3900.00	8.55	7.300	3868.70	425.76N	54.51E	==>	17.77	1414290.75	3175393.51
4000.00	8.55	7.300	3967.59	440.51N	56.40E	==>	18.39	1414305.50	3175395.40
4100.00	8.55	7.300	4066.48	455.26N	58.29E	==>	19.00	1414320.24	3175397.28
4200.00	8.55	7.300	4165.37	470.01N	60.18E	==>	19.62	1414334.99	3175399.17
4300.00	8.55	7.300	4264.26	484.76N	62.06E	==>	20.23	1414349.74	3175401.06
4400.00	8.55	7.300	4363.14	499.51N	63.95E	==>	20.85	1414364.49	3175402.95
4500.00	8.55	7.300	4462.03	514.26N	65.84E	==>	21.46	1414379.24	3175404.84
4600.00	8.55	7.300	4560.92	529.01N	67.73E	==>	22.08	1414393.99	3175406.73
4700.00	8.55	7.300	4659.81	543.76N	69.62E	==>	22.70	1414408.74	3175408.61
4800.00	8.55	7.300	4758.70	558.51N	71.51E	==>	23.31	1414423.49	3175410.50
4900.00	8.55	7.300	4857.59	573.26N	73.39E	==>	23.93	1414438.24	3175412.39
5000.00	8.55	7.300	4956.47	588.01N	75.28E	==>	24.54	1414452.99	3175414.28
5100.00	8.55	7.300	5055.36	602.76N	77.17E	==>	25.16	1414467.73	3175416.17
5200.00	8.55	7.300	5154.25	617.51N	79.06E	==>	25.77	1414482.48	3175418.06
5300.00	8.55	7.300	5253.14	632.26N	80.95E	==>	26.39	1414497.23	3175419.94
5400.00	8.55	7.300	5352.03	647.01N	82.84E	==>	27.00	1414511.98	3175421.83
5500.00	8.55	7.300	5450.92	661.76N	84.72E	==>	27.62	1414526.73	3175423.72
5600.00	8.55	7.300	5549.80	676.51N	86.61E	==>	28.24	1414541.48	3175425.61
5700.00	8.55	7.300	5648.69	691.26N	88.50E	==>	28.85	1414556.23	3175427.50
5800.00	8.55	7.300	5747.58	706.00N	90.39E	==>	29.47	1414570.98	3175429.39
5900.00	8.55	7.300	5846.47	720.75N	92.28E	==>	30.08	1414585.73	3175431.27
6000.00	8.55	7.300	5945.36	735.50N	94.17E	==>	30.70	1414600.48	3175433.16
6100.00	8.55	7.300	6044.24	750.25N	96.05E	==>	31.31	1414615.22	3175435.05
6200.00	8.55	7.300	6143.13	765.00N	97.94E	==>	31.93	1414629.97	3175436.94
6300.00	8.55	7.300	6242.02	779.75N	99.83E	==>	32.54	1414644.72	3175438.83
6310.25	8.55	7.300	6252.16	781.26N	100.03E	==>	32.61	1414646.24	3175439.02
6400.00	10.37	323.860	6340.79	794.43N	96.10E	8.00	38.69	1414659.40	3175435.10
6500.00	16.33	299.970	6438.11	808.74N	78.58E	8.00	58.36	1414673.71	3175417.58
6600.00	23.51	289.430	6532.10	822.42N	47.55E	8.00	91.25	1414687.39	3175386.55
6700.00	31.08	283.720	6620.92	835.20N	3.59E	8.00	136.73	1414700.16	3175342.59
6800.00	38.80	280.080	6702.84	846.82N	52.42W	8.00	193.90	1414711.79	3175286.58
6900.00	46.61	277.500	6776.27	857.06N	119.40W	8.00	261.65	1414722.03	3175219.61
7000.00	54.46	275.510	6839.79	865.73N	196.05W	8.00	338.66	1414730.70	3175142.96
7100.00	62.34	273.880	6892.14	872.65N	280.87W	8.00	423.44	1414737.62	3175058.14
7200.00	70.24	272.470	6932.32	877.69N	372.21W	8.00	514.33	1414742.66	3174966.80
7300.00	78.14	271.200	6959.55	880.75N	468.30W	8.00	609.57	1414745.72	3174870.71
7400.00	86.05	270.000	6973.28	881.78N	567.27W	8.00	707.30	1414746.74	3174771.75
7449.87	90.00	269.410	6975.00	881.52N	617.10W	8.00	756.38	1414746.48	3174721.92
7500.00	90.00	269.410	6975.00	881.00N	667.22W	==>	805.71	1414745.96	3174671.80
7600.00	90.00	269.410	6975.00	879.96N	767.22W	==>	904.11	1414744.93	3174571.81
7700.00	90.00	269.410	6975.00	878.93N	867.21W	==>	1002.51	1414743.89	3174471.82
7800.00	90.00	269.410	6975.00	877.89N	967.21W	==>	1100.91	1414742.86	3174371.83
7900.00	90.00	269.410	6975.00	876.86N	1067.20W	==>	1199.31	1414741.82	3174271.84
8000.00	90.00	269.410	6975.00	875.82N	1167.20W	==>	1297.71	1414740.79	3174171.85
8100.00	90.00	269.410	6975.00	874.79N	1267.19W	==>	1396.11	1414739.76	3174071.86
8200.00	90.00	269.410	6975.00	873.75N	1367.19W	==>	1494.51	1414738.72	3173971.86
8300.00	90.00	269.410	6975.00	872.72N	1467.18W	==>	1592.91	1414737.69	3173871.87
8400.00	90.00	269.410	6975.00	871.68N	1567.18W	==>	1691.31	1414736.65	3173771.88
8500.00	90.00	269.410	6975.00	870.65N	1667.17W	==>	1789.71	1414735.62	3173671.89
8600.00	90.00	269.410	6975.00	869.61N	1767.17W	==>	1888.12	1414734.58	3173571.90
8700.00	90.00	269.410	6975.00	868.58N	1867.16W	==>	1986.52	1414733.55	3173471.91
8800.00	90.00	269.410	6975.00	867.54N	1967.16W	==>	2084.92	1414732.51	3173371.92
8900.00	90.00	269.410	6975.00	866.51N	2067.15W	==>	2183.32	1414731.48	3173271.93
9000.00	90.00	269.410	6975.00	865.48N	2167.14W	==>	2281.72	1414730.44	3173171.94
9100.00	90.00	269.410	6975.00	864.44N	2267.14W	==>	2380.12	1414729.41	3173071.95
9200.00	90.00	269.410	6975.00	863.41N	2367.13W	==>	2478.52	1414728.37	3172971.96
9300.00	90.00	269.410	6975.00	862.37N	2467.13W	==>	2576.92	1414727.34	3172871.97
9400.00	90.00	269.410	6975.00	861.34N	2567.12W	==>	2675.32	1414726.30	3172771.97
9500.00	90.00	269.410	6975.00	860.30N	2667.12W	==>	2773.72	1414725.27	3172671.98
9600.00	90.00	269.410	6975.00	859.27N	2767.11W	==>	2872.12	1414724.23	3172571.99

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 279.670 degrees
Bottom hole distance is 4984.01 Feet on azimuth 279.67 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 30-Aug-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DVE #9 (PWB)

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
9700.00	90.00	269.410	6975.00	858.23N	2867.11W	==>	2970.52	1414723.20	3172472.00
9800.00	90.00	269.410	6975.00	857.20N	2967.10W	==>	3068.92	1414722.16	3172372.01
9900.00	90.00	269.410	6975.00	856.16N	3067.10W	==>	3167.32	1414721.13	3172272.02
10000.00	90.00	269.410	6975.00	855.13N	3167.09W	==>	3265.72	1414720.10	3172172.03
10100.00	90.00	269.410	6975.00	854.09N	3267.09W	==>	3364.12	1414719.06	3172072.04
10200.00	90.00	269.410	6975.00	853.06N	3367.08W	==>	3462.52	1414718.03	3171972.05
10300.00	90.00	269.410	6975.00	852.02N	3467.07W	==>	3560.92	1414716.99	3171872.06
10400.00	90.00	269.410	6975.00	850.99N	3567.07W	==>	3659.32	1414715.96	3171772.07
10500.00	90.00	269.410	6975.00	849.95N	3667.06W	==>	3757.72	1414714.92	3171672.08
10600.00	90.00	269.410	6975.00	848.92N	3767.06W	==>	3856.13	1414713.89	3171572.08
10700.00	90.00	269.410	6975.00	847.88N	3867.05W	==>	3954.53	1414712.85	3171472.09
10800.00	90.00	269.410	6975.00	846.85N	3967.05W	==>	4052.93	1414711.82	3171372.10
10900.00	90.00	269.410	6975.00	845.82N	4067.04W	==>	4151.33	1414710.78	3171272.11
11000.00	90.00	269.410	6975.00	844.78N	4167.04W	==>	4249.73	1414709.75	3171172.12
11100.00	90.00	269.410	6975.00	843.75N	4267.03W	==>	4348.13	1414708.71	3171072.13
11200.00	90.00	269.410	6975.00	842.71N	4367.03W	==>	4446.53	1414707.68	3170972.14
11300.00	90.00	269.410	6975.00	841.68N	4467.02W	==>	4544.93	1414706.64	3170872.15
11400.00	90.00	269.410	6975.00	840.64N	4567.02W	==>	4643.33	1414705.61	3170772.16
11500.00	90.00	269.410	6975.00	839.61N	4667.01W	==>	4741.73	1414704.57	3170672.17
11600.00	90.00	269.410	6975.00	838.57N	4767.01W	==>	4840.13	1414703.54	3170572.18
11700.00	90.00	269.410	6975.00	837.54N	4867.00W	==>	4938.53	1414702.51	3170472.19
11746.21	90.00	269.410	6975.00	837.06N	4913.21W	==>	4984.01	1414702.03	3170425.97

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 279.670 degrees
Bottom hole distance is 4984.01 Feet on azimuth 279.67 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 30-Aug-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DVE #9 (PWB)

Hole Sections								
Diameter [in]	Start MD[ft]	Start TVD[ft]	Start North[ft]	Start East[ft]	End MD[ft]	End TVD[ft]	End North[ft]	End East[ft]
12 1/4	0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E
8 3/4	500.00	500.00	0.00N	0.00E	7449.00	6975.00	881.52N	616.23W
6 1/8	7449.00	6975.00	881.52N	616.23W	11746.21	6975.00	837.06N	4913.21W

Casings								
Name	Top MD[ft]	Top TVD[ft]	Top North[ft]	Top East[ft]	Shoe MD[ft]	Shoe TVD[ft]	Shoe North[ft]	Shoe East[ft]
9 5/8in Surface Casing	0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E
7.0in Intermediate Casing	0.00	0.00	0.00N	0.00E	7449.00	6975.00	881.52N	616.23W
4 1/2in Production Liner	6310.00	6251.91	781.23N	100.02E	11746.21	6975.00	837.06N	4913.21W

Targets								
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting	Last Revised
DVE9 BH	837.06N	4913.21W	6975.00	40.47014276	-104.88744164	1414702.03	3170425.97	
DVE9 T2	881.52N	617.10W	6975.00	40.47018230	-104.87200017	1414746.48	3174721.92	

Survey Tool Program						
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model	
61558	Planned	11746.21	6975.00	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 279.670 degrees
Bottom hole distance is 4984.01 Feet on azimuth 279.67 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 30-Aug-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: DVE #9 (PWB)

Ellipse separations are reported ONLY if BOTH wells have uncertainty data
Only Depth and Magnetic Reference Field error terms are correlated across tie points
Proximities beyond 2500.00ft with expansion rate of 0.00ft/1000ft are not reported
Scan limit 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
DVE #9 (PWB)	28-Aug-2013	29-Aug-2013

Well		
Name	Government ID	Last Revised
DVE #9		28-Aug-2013

Slot						
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Slot #9	1413865.0000	3175339.0000	40.46775070	-104.86980482	128.00N	0.00E

Installation				
Name	Easting	Northing	Coord System Name	North Alignment
Diamond Valley East	3175339.0000	1413737.0000	CO83-NF on NAD83 datum	Grid

Field				
Name	Easting	Northing	Coord System Name	North Alignment
Windsor Project	3162710.0707	1407271.6545	CO83-NF on NAD83 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]
DVE #10	DVE #10 (PWB)	Slot #10	Diamond Valley East	15.91	1202.25	1245.50	13.29	1245.50	3.47	11746.21
DVE #8	DVE #8 (PWB)	Slot #8	Diamond Valley East	15.96	853.02	7480.31	13.67	1066.27	3.72	11746.21
DVE #11	DVE #11 (PWB)	Slot #11	Diamond Valley East	31.79	1238.05	7449.87	29.14	1238.05	3.71	11746.21
DVE #7	DVE #7 (PWB)	Slot #7	Diamond Valley East	31.96	820.21	918.64	29.81	984.25	6.10	11746.21
DVE #12	DVE #12 (PWB)	Slot #12	Diamond Valley East	47.69	1240.41	7449.87	45.03	1240.41	7.41	11746.21
DVE #6	DVE #6 (PWB)	Slot #6	Diamond Valley East	47.96	820.21	7480.31	45.96	885.83	7.66	11746.21
DVE #13	DVE #13 (PWB)	Slot #13	Diamond Valley East	63.53	1242.76	11740.95	60.87	1242.76	9.56	11746.21
DVE #5	DVE #5 (PWB)	Slot #5	Diamond Valley East	64.00	800.00	800.00	62.06	803.81	11.15	11746.21
DIAMOND VALLEY SW #7	DIAMOND VALLEY SW #7 REV	Slot #7	Diamond Valley SW	74.68	11746.21	11746.21	48.73	11746.21	2.88	11746.21
DVE #4	DVE #4 (PWB)	Slot #4	Diamond Valley East	80.00	800.00	800.00	78.06	800.00	13.23	11746.21
DVE #3	DVE #3 (PWB)	Slot #3	Diamond Valley East	96.00	800.00	800.00	94.06	800.00	14.86	11746.21
DVE #2	DVE #2 (PWB)	Slot #2	Diamond Valley East	112.00	800.00	800.00	110.06	800.00	18.58	11746.21
DVE #1	DVE #1 (PWB)	Slot #1	Diamond Valley East	128.00	800.00	800.00	126.06	800.00	20.57	11746.21

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 279.670 degrees
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 30-Aug-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: DVE #9 (PWB)

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]
DIAMOND VALLEY SW #8	DIAMOND VALLEY SW #8 REV	Slot #8	Diamond Valley SW	128.39	11559.11	11559.11	70.46	11581.36	2.19	11597.77
DIAMOND VALLEY SW #9	DIAMOND VALLEY SW #9 REV	Slot #9	Diamond Valley SW	322.47	11746.21	11746.21	263.00	11746.21	5.42	11746.21
DIAMOND VALLEY SW #6	DIAMOND VALLEY SW #6 REV	Slot #6	Diamond Valley SW	365.56	11746.21	11746.21	303.93	11746.21	5.93	11746.21
DIAMOND VALLEY SW #5	DIAMOND VALLEY SW #5 REV	Slot #5	Diamond Valley SW	510.81	11654.41	11654.41	451.81	11663.39	8.62	11745.41
DIAMOND VALLEY SW #4	DIAMOND VALLEY SW #4 REV	Slot #4	Diamond Valley SW	670.51	11746.21	11746.21	609.27	11746.21	10.95	11746.21
DIAMOND VALLEY SW #3	DIAMOND VALLEY SW #3 REV	Slot #3	Diamond Valley SW	996.43	11746.21	11746.21	935.40	11746.21	16.33	11746.21
DIAMOND VALLEY SW #2	DIAMOND VALLEY SW #2 REV	Slot #2	Diamond Valley SW	1156.27	11591.00	11591.00	1098.03	11630.58	19.28	11746.21
Altergott #1	Altergott #1 (AWB)	Altergott #1	DVE Offset	1185.96	8996.86	8996.86	1159.23	9000.00	44.21	9071.52
DIAMOND VALLEY SW #1	DIAMOND VALLEY SW #1 REV	Slot #1	Diamond Valley SW	1322.04	11746.21	11746.21	1261.32	11746.21	21.77	11746.21
Kodak #1	Kodak #1	Slot #1	Kodak	1758.02	11746.21	11746.21	1699.69	11746.21	30.14	11746.21
Kodak #2	Kodak #2	Slot #2	Kodak	1903.61	11746.21	11746.21	1845.84	11746.21	32.95	11746.21
Kodak #3	Kodak #3	Slot #3	Kodak	2069.25	11746.21	11746.21	2011.73	11746.21	35.98	11746.21
Kodak #4	Kodak #4	Slot #4	Kodak	2382.77	11746.21	11746.21	2325.98	11746.21	41.96	11746.21
W Great Western #27-21	W Great Western #27-21 (AWB)	Great Western #27-21	Great Western 66N67W	2446.33	10285.43	10285.43	2414.40	10301.84	73.31	10810.37
W Great Western #27-11	W Great Western #27-11 (AWB)	Great Western #27-11	Great Western 66N67W	2474.03	11609.70	11609.70	2430.56	11630.58	56.11	11746.21
Kodak #5	Kodak #5	Slot #5	Kodak	2530.67	11746.21	11746.21	2474.54	11746.21	45.09	11746.21