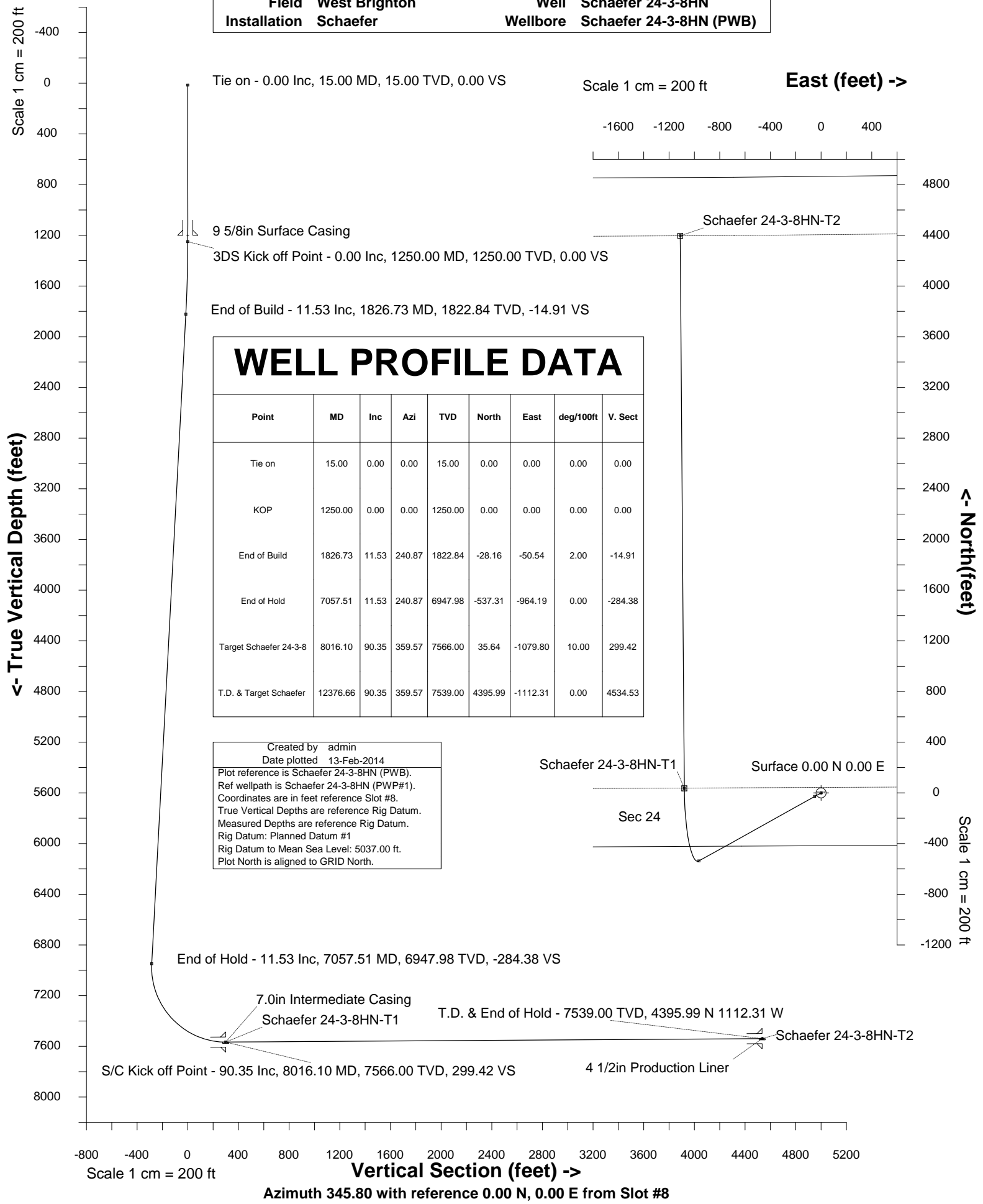


WARD PETROLEUM

Location	ADAMS COUNTY, CO	Slot	Slot #8
Field	West Brighton	Well	Schaefer 24-3-8HN
Installation	Schaefer	Wellbore	Schaefer 24-3-8HN (PWB)





INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: Schaefer 24-3-8HN (PWB)

Wellhead Details							
Name	Northing	Easting	Latitude	Longitude	North	East	Elevation Above Inst.
Slot #8	1223317.8240	3186443.6757	39.94447000	-104.83503000	0.78S	103.74W	-0.00

Declination			
Date	Source	Time	
10-Feb-2014	IGRF Model [1900.0-2015.0]		13:06

Site Details				
Name	Northing	Easting	Coord System Name	North Alignment
Schaefer	1223318.6021	3186547.4140	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
15.00	0.00	0.000	15.00	0.00N	0.00E		0.00	1223317.82	3186443.68
1250.00	0.00	0.000	1250.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1826.73	11.53	240.870	1822.84	28.16S	50.54W	2.00	-14.91	1223289.66	3186393.14
7057.51	11.53	240.870	6947.98	537.31S	964.19W	==>	-284.38	1222780.53	3185479.51
8016.10	90.35	359.570	7566.00	35.64N	1079.80W	10.00	299.42	1223353.46	3185363.91
12376.66	90.35	359.570	7539.00	4395.99N	1112.31W	==>	4534.53	1227713.68	3185331.40

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	1223317.82	3186443.68
15.00	0.00	0.000	15.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
400.00	0.00	0.000	400.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
500.00	0.00	0.000	500.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
700.00	0.00	0.000	700.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
900.00	0.00	0.000	900.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1000.00	0.00	0.000	1000.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1100.00	0.00	0.000	1100.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1200.00	0.00	0.000	1200.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1235.00	0.00	0.000	1235.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1250.00	0.00	0.000	1250.00	0.00N	0.00E	==>	0.00	1223317.82	3186443.68
1335.00	1.70	240.870	1334.99	0.61S	1.10W	2.00	-0.32	1223317.21	3186442.57
1435.00	3.70	240.870	1434.87	2.91S	5.22W	2.00	-1.54	1223314.92	3186438.46
1535.00	5.70	240.870	1534.53	6.90S	12.37W	2.00	-3.65	1223310.93	3186431.30
1635.00	7.70	240.870	1633.84	12.57S	22.56W	2.00	-6.66	1223305.25	3186421.11
1735.00	9.70	240.870	1732.69	19.94S	35.78W	2.00	-10.55	1223297.89	3186407.90
1826.73	11.53	240.870	1822.84	28.16S	50.54W	2.00	-14.91	1223289.66	3186393.14
1900.00	11.53	240.870	1894.63	35.30S	63.34W	==>	-18.68	1223282.53	3186380.34
2000.00	11.53	240.870	1992.61	45.03S	80.80W	==>	-23.83	1223272.80	3186362.87
2100.00	11.53	240.870	2090.59	54.76S	98.27W	==>	-28.98	1223263.06	3186345.41
2200.00	11.53	240.870	2188.57	64.50S	115.74W	==>	-34.14	1223253.33	3186327.94
2300.00	11.53	240.870	2286.55	74.23S	133.20W	==>	-39.29	1223243.60	3186310.48
2400.00	11.53	240.870	2384.53	83.96S	150.67W	==>	-44.44	1223233.86	3186293.01
2500.00	11.53	240.870	2482.52	93.70S	168.14W	==>	-49.59	1223224.13	3186275.54
2600.00	11.53	240.870	2580.50	103.43S	185.61W	==>	-54.74	1223214.40	3186258.08
2700.00	11.53	240.870	2678.48	113.17S	203.07W	==>	-59.90	1223204.66	3186240.61
2800.00	11.53	240.870	2776.46	122.90S	220.54W	==>	-65.05	1223194.93	3186223.14
2900.00	11.53	240.870	2874.44	132.63S	238.01W	==>	-70.20	1223185.19	3186205.68
3000.00	11.53	240.870	2972.42	142.37S	255.47W	==>	-75.35	1223175.46	3186188.21
3100.00	11.53	240.870	3070.40	152.10S	272.94W	==>	-80.50	1223165.73	3186170.74
3200.00	11.53	240.870	3168.38	161.83S	290.41W	==>	-85.65	1223155.99	3186153.28
3300.00	11.53	240.870	3266.36	171.57S	307.87W	==>	-90.81	1223146.26	3186135.81
3400.00	11.53	240.870	3364.34	181.30S	325.34W	==>	-95.96	1223136.53	3186118.35

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 5037.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 345.800 degrees
Bottom hole distance is 4534.53 Feet on azimuth 345.80 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 13-Feb-2014



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL

Well Design Combined Report
Wellbore: Schaefer 24-3-8HN (PWB)

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
3500.00	11.53	240.870	3462.32	191.04S	342.81W	==>	-101.11	1223126.79	3186100.88
3600.00	11.53	240.870	3560.30	200.77S	360.27W	==>	-106.26	1223117.06	3186083.41
3700.00	11.53	240.870	3658.28	210.50S	377.74W	==>	-111.41	1223107.33	3186065.95
3800.00	11.53	240.870	3756.26	220.24S	395.21W	==>	-116.57	1223097.59	3186048.48
3900.00	11.53	240.870	3854.24	229.97S	412.67W	==>	-121.72	1223087.86	3186031.01
4000.00	11.53	240.870	3952.22	239.70S	430.14W	==>	-126.87	1223078.13	3186013.55
4100.00	11.53	240.870	4050.20	249.44S	447.61W	==>	-132.02	1223068.39	3185996.08
4200.00	11.53	240.870	4148.18	259.17S	465.07W	==>	-137.17	1223058.66	3185978.62
4300.00	11.53	240.870	4246.16	268.91S	482.54W	==>	-142.32	1223048.93	3185961.15
4400.00	11.53	240.870	4344.14	278.64S	500.01W	==>	-147.48	1223039.19	3185943.68
4500.00	11.53	240.870	4442.12	288.37S	517.48W	==>	-152.63	1223029.46	3185926.22
4600.00	11.53	240.870	4540.10	298.11S	534.94W	==>	-157.78	1223019.73	3185908.75
4700.00	11.53	240.870	4638.08	307.84S	552.41W	==>	-162.93	1223009.99	3185891.28
4800.00	11.53	240.870	4736.06	317.57S	569.88W	==>	-168.08	1223000.26	3185873.82
4900.00	11.53	240.870	4834.05	327.31S	587.34W	==>	-173.23	1222990.53	3185856.35
5000.00	11.53	240.870	4932.03	337.04S	604.81W	==>	-178.39	1222980.79	3185838.88
5100.00	11.53	240.870	5030.01	346.78S	622.28W	==>	-183.54	1222971.06	3185821.42
5200.00	11.53	240.870	5127.99	356.51S	639.74W	==>	-188.69	1222961.33	3185803.95
5300.00	11.53	240.870	5225.97	366.24S	657.21W	==>	-193.84	1222951.59	3185786.49
5400.00	11.53	240.870	5323.95	375.98S	674.68W	==>	-198.99	1222941.86	3185769.02
5500.00	11.53	240.870	5421.93	385.71S	692.14W	==>	-204.15	1222932.13	3185751.55
5600.00	11.53	240.870	5519.91	395.44S	709.61W	==>	-209.30	1222922.39	3185734.09
5700.00	11.53	240.870	5617.89	405.18S	727.08W	==>	-214.45	1222912.66	3185716.62
5800.00	11.53	240.870	5715.87	414.91S	744.54W	==>	-219.60	1222902.92	3185699.15
5900.00	11.53	240.870	5813.85	424.65S	762.01W	==>	-224.75	1222893.19	3185681.69
6000.00	11.53	240.870	5911.83	434.38S	779.48W	==>	-229.90	1222883.46	3185664.22
6100.00	11.53	240.870	6009.81	444.11S	796.95W	==>	-235.06	1222873.72	3185646.75
6200.00	11.53	240.870	6107.79	453.85S	814.41W	==>	-240.21	1222863.99	3185629.29
6300.00	11.53	240.870	6205.77	463.58S	831.88W	==>	-245.36	1222854.26	3185611.82
6400.00	11.53	240.870	6303.75	473.31S	849.35W	==>	-250.51	1222844.52	3185594.36
6500.00	11.53	240.870	6401.73	483.05S	866.81W	==>	-255.66	1222834.79	3185576.89
6600.00	11.53	240.870	6499.71	492.78S	884.28W	==>	-260.82	1222825.06	3185559.42
6700.00	11.53	240.870	6597.69	502.52S	901.75W	==>	-265.97	1222815.32	3185541.96
6800.00	11.53	240.870	6695.67	512.25S	919.21W	==>	-271.12	1222805.59	3185524.49
6900.00	11.53	240.870	6793.65	521.98S	936.68W	==>	-276.27	1222795.86	3185507.02
7000.00	11.53	240.870	6891.63	531.72S	954.15W	==>	-281.42	1222786.12	3185489.56
7057.51	11.53	240.870	6947.98	537.31S	964.19W	==>	-284.38	1222780.53	3185479.51
7100.00	10.23	262.450	6989.72	539.88S	971.65W	10.00	-285.04	1222777.96	3185472.06
7200.00	13.37	310.630	7087.82	533.50S	989.27W	10.00	-274.53	1222784.34	3185454.43
7300.00	21.24	332.060	7183.31	509.91S	1006.58W	10.00	-247.42	1222807.93	3185437.13
7400.00	30.35	341.690	7273.30	469.82S	1023.04W	10.00	-204.52	1222848.02	3185420.67
7500.00	39.86	347.120	7355.04	414.46S	1038.16W	10.00	-147.14	1222903.37	3185405.55
7600.00	49.53	350.720	7426.05	345.51S	1051.47W	10.00	-77.03	1222972.32	3185392.24
7700.00	59.29	353.400	7484.18	265.06S	1062.57W	10.00	3.68	1223052.77	3185381.14
7800.00	69.10	355.590	7527.66	175.56S	1071.12W	10.00	92.55	1223142.27	3185372.59
7900.00	78.93	357.500	7555.17	79.72S	1076.87W	10.00	186.87	1223238.11	3185366.84
8000.00	88.77	359.290	7565.88	19.54N	1079.64W	10.00	283.77	1223337.36	3185364.07
8016.10	90.35	359.570	7566.00	35.64N	1079.80W	10.00	299.42	1223353.46	3185363.91
8100.00	90.35	359.570	7565.48	119.53N	1080.42W	==>	380.91	1223437.35	3185363.28
8200.00	90.35	359.570	7564.86	219.53N	1081.17W	==>	478.03	1223537.34	3185362.54
8300.00	90.35	359.570	7564.24	319.52N	1081.92W	==>	575.15	1223637.34	3185361.79
8400.00	90.35	359.570	7563.62	419.52N	1082.66W	==>	672.27	1223737.33	3185361.05
8500.00	90.35	359.570	7563.00	519.51N	1083.41W	==>	769.40	1223837.32	3185360.30
8600.00	90.35	359.570	7562.38	619.51N	1084.15W	==>	866.52	1223937.31	3185359.56
8700.00	90.35	359.570	7561.77	719.50N	1084.90W	==>	963.64	1224037.31	3185358.81
8800.00	90.35	359.570	7561.15	819.50N	1085.64W	==>	1060.77	1224137.30	3185358.07
8900.00	90.35	359.570	7560.53	919.49N	1086.39W	==>	1157.89	1224237.29	3185357.32
9000.00	90.35	359.570	7559.91	1019.49N	1087.13W	==>	1255.01	1224337.28	3185356.58
9100.00	90.35	359.570	7559.29	1119.49N	1087.88W	==>	1352.14	1224437.27	3185355.83
9200.00	90.35	359.570	7558.67	1219.48N	1088.63W	==>	1449.26	1224537.27	3185355.08
9300.00	90.35	359.570	7558.05	1319.48N	1089.37W	==>	1546.38	1224637.26	3185354.34

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 5037.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 345.800 degrees
Bottom hole distance is 4534.53 Feet on azimuth 345.80 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 13-Feb-2014



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SYSDRILL
Well Design Combined Report
Wellbore: Schaefer 24-3-8HN (PWB)

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
9400.00	90.35	359.570	7557.43	1419.47N	1090.12W	==>	1643.51	1224737.25	3185353.59
9500.00	90.35	359.570	7556.81	1519.47N	1090.86W	==>	1740.63	1224837.24	3185352.85
9600.00	90.35	359.570	7556.19	1619.46N	1091.61W	==>	1837.75	1224937.24	3185352.10
9700.00	90.35	359.570	7555.57	1719.46N	1092.35W	==>	1934.88	1225037.23	3185351.36
9800.00	90.35	359.570	7554.95	1819.45N	1093.10W	==>	2032.00	1225137.22	3185350.61
9900.00	90.35	359.570	7554.34	1919.45N	1093.84W	==>	2129.12	1225237.21	3185349.87
10000.00	90.35	359.570	7553.72	2019.44N	1094.59W	==>	2226.24	1225337.20	3185349.12
10100.00	90.35	359.570	7553.10	2119.44N	1095.33W	==>	2323.37	1225437.20	3185348.37
10200.00	90.35	359.570	7552.48	2219.43N	1096.08W	==>	2420.49	1225537.19	3185347.63
10300.00	90.35	359.570	7551.86	2319.43N	1096.83W	==>	2517.61	1225637.18	3185346.88
10400.00	90.35	359.570	7551.24	2419.42N	1097.57W	==>	2614.74	1225737.17	3185346.14
10500.00	90.35	359.570	7550.62	2519.42N	1098.32W	==>	2711.86	1225837.17	3185345.39
10600.00	90.35	359.570	7550.00	2619.41N	1099.06W	==>	2808.98	1225937.16	3185344.65
10700.00	90.35	359.570	7549.38	2719.41N	1099.81W	==>	2906.11	1226037.15	3185343.90
10800.00	90.35	359.570	7548.76	2819.41N	1100.55W	==>	3003.23	1226137.14	3185343.16
10900.00	90.35	359.570	7548.14	2919.40N	1101.30W	==>	3100.35	1226237.13	3185342.41
11000.00	90.35	359.570	7547.52	3019.40N	1102.04W	==>	3197.48	1226337.13	3185341.67
11100.00	90.35	359.570	7546.90	3119.39N	1102.79W	==>	3294.60	1226437.12	3185340.92
11200.00	90.35	359.570	7546.29	3219.39N	1103.54W	==>	3391.72	1226537.11	3185340.17
11300.00	90.35	359.570	7545.67	3319.38N	1104.28W	==>	3488.85	1226637.10	3185339.43
11400.00	90.35	359.570	7545.05	3419.38N	1105.03W	==>	3585.97	1226737.10	3185338.68
11500.00	90.35	359.570	7544.43	3519.37N	1105.77W	==>	3683.09	1226837.09	3185337.94
11600.00	90.35	359.570	7543.81	3619.37N	1106.52W	==>	3780.21	1226937.08	3185337.19
11700.00	90.35	359.570	7543.19	3719.36N	1107.26W	==>	3877.34	1227037.07	3185336.45
11800.00	90.35	359.570	7542.57	3819.36N	1108.01W	==>	3974.46	1227137.06	3185335.70
11900.00	90.35	359.570	7541.95	3919.35N	1108.75W	==>	4071.58	1227237.06	3185334.96
12000.00	90.35	359.570	7541.33	4019.35N	1109.50W	==>	4168.71	1227337.05	3185334.21
12100.00	90.35	359.570	7540.71	4119.34N	1110.25W	==>	4265.83	1227437.04	3185333.46
12200.00	90.35	359.570	7540.09	4219.34N	1110.99W	==>	4362.95	1227537.03	3185332.72
12300.00	90.35	359.570	7539.47	4319.34N	1111.74W	==>	4460.08	1227637.03	3185331.97
12376.66	90.35	359.570	7539.00	4395.99N	1112.31W	==>	4534.53	1227713.68	3185331.40

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SYSDRILL
Well Design Combined Report
Wellbore: Schaefer 24-3-8HN (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]
13 1/2	15.00	15.00	0.00N	0.00E	1200.00	1200.00	0.00N	0.00E
8 3/4	1200.00	1200.00	0.00N	0.00E	8016.00	7566.00	35.54N	1079.80W
6 1/8	8016.00	7566.00	35.54N	1079.80W	12376.66	7539.00	4395.99N	1112.31W

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	15.00	15.00	0.00N	0.00E	1200.00	1200.00	0.00N	0.00E
7.0in Intermediate Casing	15.00	15.00	0.00N	0.00E	8016.00	7566.00	35.54N	1079.80W
4 1/2in Production Liner	7816.00	7533.17	160.58S	1072.24W	12376.66	7539.00	4395.99N	1112.31W

Targets								
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting	Last Revised
Schaefer 24-3-8HN-T1	35.64N	1079.80W	7566.00	39.94459000	-104.83888000	1223353.46	3185363.91	11-Feb-2014
Schaefer 24-3-8HN-T2	4395.99N	1112.31W	7539.00	39.95656000	-104.83888000	1227713.68	3185331.40	11-Feb-2014

Survey Tool Program					
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model
153410	Planned	12376.66	7539.00	WdW Rate Gyro	Standard

Notes

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 5037.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 345.800 degrees
Bottom hole distance is 4534.53 Feet on azimuth 345.80 degrees from Wellhead
Calculation method uses Minimum Curvature method
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SYSDRILL
Closest Approach + Clearance Factor Summary Report
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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
Schaefer 24-3-8HN (PWB)	12-Feb-2014	12-Feb-2014

Well		
Name	Government ID	Last Revised
Schaefer 24-3-8HN		12-Feb-2014

Slot						
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Slot #8	1223317.8240	3186443.6757	39.94447000	-104.83503000	0.78S	103.74W

Installation				
Name	Easting	Northing	Coord System Name	North Alignment
Schaefer	3186547.4140	1223318.6021	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Field				
Name	Easting	Northing	Coord System Name	North Alignment
West Brighton	3178196.4983	1231661.3262	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]
Schaefer 24-3-7HC	Schaefer 24-3-7HC (PWB)	Slot #7	Schaefer	14.02	1250.00	1250.00	11.15	1196.10	4.89	1196.10
Shaefer 25-1-8HC	Shaefer 25-1-8HC (PWB)	Slot #16	Schaefer	15.82	1425.76	7587.30	12.89	1458.57	2.27	7610.14
Schaefer 25-1-7HN	Schaefer 25-1-7HN (PWB)	Slot #15	Schaefer	26.75	1250.00	7416.78	23.88	1196.10	8.77	1639.02
Schaefer 24-3-6HN	Schaefer 24-3-6HN (PWB)	Slot #6	Schaefer	30.84	1250.00	1250.00	27.98	1196.10	10.76	1196.10
Schaefer 25-1-6HC	Schaefer 25-1-6HC (PWB)	Slot #14	Schaefer	39.26	1250.00	1250.00	36.39	1196.10	13.70	1196.10
Schaefer 24-3-5HC	Schaefer 24-3-5HC (PWB)	Slot #5	Schaefer	44.86	1250.00	1250.00	42.00	1196.10	15.65	1196.10
Schaefer 25-1-5HN	Schaefer 25-1-5HN (PWB)	Slot #13	Schaefer	55.23	1250.00	1250.00	52.36	1196.10	19.27	1196.10
Schaefer 24-3-4HN	Schaefer 24-3-4HN (PWB)	Slot #4	Schaefer	58.88	1250.00	1250.00	56.02	1196.10	20.54	1196.10
Schaefer 25-1-4HC	Schaefer 25-1-4HC (PWB)	Slot #12	Schaefer	68.85	1250.00	1250.00	65.99	1196.10	24.02	1196.10
Schaefer	Schaefer	Slot #3	Schaefer	75.71	1250.00	1250.00	72.84	1196.10	26.41	1196.10

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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]
24-3-3HC	24-3-3HC (PWB)									
Schaefer 25-1-3HN	Schaefer 25-1-3HN (PWB)	Slot #11	Schaefer	82.61	1250.00	1250.00	79.74	1196.10	28.82	1196.10
Schaefer 24-3-2HN	Schaefer 24-3-2HN (PWB)	Slot #2	Schaefer	89.72	1250.00	1250.00	86.86	1196.10	31.30	1196.10
Schaefer 25-1-2HC	Schaefer 25-1-2HC (PWB)	Slot #10	Schaefer	99.21	1250.00	1250.00	96.35	1196.10	34.61	1196.10
Schaefer 24-3-1HC	Schaefer 24-3-1HC (PWB)	Slot #1	Schaefer	103.74	1200.00	1200.00	100.87	1200.00	36.12	1200.00
Schaefer 25-1-1HN	Schaefer 25-1-1HN (PWB)	Slot #9	Schaefer	113.10	1250.00	1250.00	110.23	1196.10	39.46	1196.10
SHARP #24-3-9HC	SHARP #24-3-9HC (PWB)	Slot #7	Sharp Pad	490.28	12376.66	12376.66	415.13	12376.66	6.52	12376.66
Sharp #24-3-9HC	Sharp #24-3-9HC (PWB)	Slot #10	Sharp Pad	490.28	12376.66	12376.66	415.16	12376.66	6.53	12376.66
Sharp #25-1-9HN	Sharp #25-1-9HN (PWB)	Slot #4	Sharp Pad	517.11	7553.97	7553.97	500.88	7560.93	30.58	7741.38
Sharp #24-3-10HN	Sharp #24-3-10HN (PWB)	Slot #9	Sharp Pad	880.27	12376.66	12376.66	798.35	12376.66	10.74	12376.66
Sharp #25-1-10HC	Sharp #25-1-10HC (PWB)	Slot #3	Sharp Pad	946.54	7692.17	7692.17	931.65	7692.17	57.07	8331.93
SHARP #24-3-11HC	SHARP #24-3-11HC (PWB)	Slot #5	Sharp Pad	1337.00	12376.66	12376.66	1256.00	12376.66	16.51	12376.66
Sharp #24-3-11HC	Sharp #24-3-11HC (PWB)	Slot #8	Sharp Pad	1337.00	12376.66	12376.66	1256.01	12376.66	16.51	12376.66
Sharp #25-1-11HN	Sharp #25-1-11HN (PWB)	Slot #2	Sharp Pad	1364.46	7642.95	7642.95	1349.83	7642.95	82.77	8742.03
Sharp #24-3-12HN	Sharp #24-3-12HN (PWB)	Slot #7	Sharp Pad	1751.96	8016.10	8016.10	1678.83	12376.66	21.52	12376.66
Sharp #25-1-12HC	Sharp #25-1-12HC (PWB)	Slot #1	Sharp Pad	1793.26	7741.38	7741.38	1779.36	7741.38	102.02	9152.14
W Letterly-Scott 1	W Letterly-Scott 1 (AWB)	Letterly-Scott 1	Offsets	1944.53	11302.45	11302.45	1888.55	11315.00	34.53	11481.54
Sharp #23-3-1HC	Sharp #23-3-1HC (PWB)	Slot #6	Sharp Pad	2201.47	7856.21	7856.21	2131.26	12376.66	27.19	12376.66
Sharp #26-1-1HN	Sharp #23-3-1HC (PWB)	Slot #5	Sharp Pad	2220.85	7708.57	7708.57	2207.04	7708.57	127.40	8824.06

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