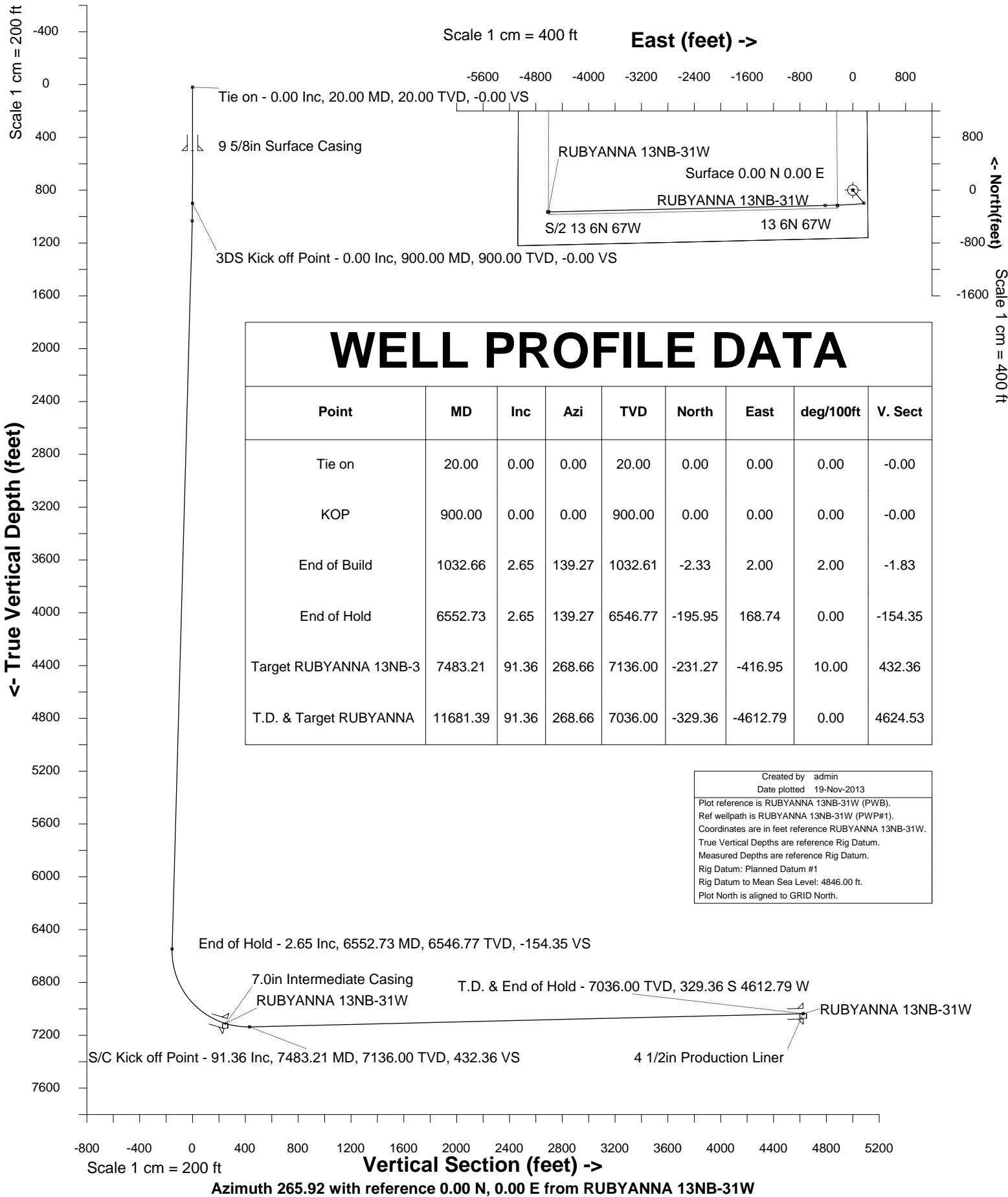


EXTRACTION OIL & GAS, LLC

Location	Weld County, CO, USA (Original)	Slot	RUBYANNA 13NB-31W
Field	Wattenberg	Well	RUBYANNA 13NB-31W
Installation	Rubyanna Pad	Wellbore	RUBYANNA 13NB-31W (PWB)





INTEGRATED PETROLEUM TECHNOLOGIES, INC  
SYSDRILL  
Well Design Combined Report  
Wellbore: RUBYANNA 13NB-31W (PWB)

Wellhead Details							
Name	Northing	Easting	Latitude	Longitude	North	East	Elevation Above Inst.
RUBYANNA 13NB-31W	1419061.1644	3185482.0660	40.48181000	-104.83321000	156.65S	1.18E	-4.00

Declination			
Date	Source	Time	
21-Oct-2013	IGRF Model [1900.0-2015.0]	13:49	

Site Details				
Name	Northing	Easting	Coord System Name	North Alignment
Rubyanna Pad	1419217.8106	3185480.8881	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
20.00	0.00	0.000	20.00	0.00N	0.00E		0.00	1419061.16	3185482.07
900.00	0.00	0.000	900.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
1032.66	2.65	139.270	1032.61	2.33S	2.00E	2.00	-1.83	1419058.84	3185484.07
6552.73	2.65	139.270	6546.77	195.95S	168.74E	==>	-154.35	1418865.22	3185650.80
7483.21	91.36	268.660	7136.00	231.27S	416.95W	10.00	432.36	1418829.90	3185065.14
11681.39	91.36	268.660	7036.00	329.36S	4612.79W	==>	4624.53	1418731.82	3180869.45

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	1419061.16	3185482.07
20.00	0.00	0.000	20.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
400.00	0.00	0.000	400.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
500.00	0.00	0.000	500.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
700.00	0.00	0.000	700.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
880.00	0.00	0.000	880.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
900.00	0.00	0.000	900.00	0.00N	0.00E	==>	0.00	1419061.16	3185482.07
980.00	1.60	139.270	979.99	0.85S	0.73E	2.00	-0.67	1419060.32	3185482.79
1032.66	2.65	139.270	1032.61	2.33S	2.00E	2.00	-1.83	1419058.84	3185484.07
1100.00	2.65	139.270	1099.88	4.69S	4.04E	==>	-3.69	1419056.48	3185486.10
1200.00	2.65	139.270	1199.77	8.20S	7.06E	==>	-6.46	1419052.97	3185489.12
1300.00	2.65	139.270	1299.67	11.70S	10.08E	==>	-9.22	1419049.46	3185492.14
1400.00	2.65	139.270	1399.56	15.21S	13.10E	==>	-11.98	1419045.95	3185495.16
1500.00	2.65	139.270	1499.45	18.72S	16.12E	==>	-14.75	1419042.45	3185498.19
1600.00	2.65	139.270	1599.34	22.23S	19.14E	==>	-17.51	1419038.94	3185501.21
1700.00	2.65	139.270	1699.24	25.74S	22.16E	==>	-20.27	1419035.43	3185504.23
1800.00	2.65	139.270	1799.13	29.24S	25.18E	==>	-23.03	1419031.92	3185507.25
1900.00	2.65	139.270	1899.02	32.75S	28.20E	==>	-25.80	1419028.41	3185510.27
2000.00	2.65	139.270	1998.92	36.26S	31.22E	==>	-28.56	1419024.91	3185513.29
2100.00	2.65	139.270	2098.81	39.77S	34.24E	==>	-31.32	1419021.40	3185516.31
2200.00	2.65	139.270	2198.70	43.27S	37.26E	==>	-34.09	1419017.89	3185519.33
2300.00	2.65	139.270	2298.59	46.78S	40.28E	==>	-36.85	1419014.38	3185522.35
2400.00	2.65	139.270	2398.49	50.29S	43.30E	==>	-39.61	1419010.88	3185525.37
2500.00	2.65	139.270	2498.38	53.80S	46.33E	==>	-42.38	1419007.37	3185528.39
2600.00	2.65	139.270	2598.27	57.30S	49.35E	==>	-45.14	1419003.86	3185531.41
2700.00	2.65	139.270	2698.17	60.81S	52.37E	==>	-47.90	1419000.35	3185534.43
2800.00	2.65	139.270	2798.06	64.32S	55.39E	==>	-50.67	1418996.85	3185537.45
2900.00	2.65	139.270	2897.95	67.83S	58.41E	==>	-53.43	1418993.34	3185540.47
3000.00	2.65	139.270	2997.84	71.34S	61.43E	==>	-56.19	1418989.83	3185543.49
3100.00	2.65	139.270	3097.74	74.84S	64.45E	==>	-58.95	1418986.32	3185546.51
3200.00	2.65	139.270	3197.63	78.35S	67.47E	==>	-61.72	1418982.82	3185549.53
3300.00	2.65	139.270	3297.52	81.86S	70.49E	==>	-64.48	1418979.31	3185552.55

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Vertical Section is from 0.00N 0.00E on azimuth 265.920 degrees  
Bottom hole distance is 4624.53 Feet on azimuth 265.92 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by Integrated Petroleum Technologies, Inc.  
Date Printed: 19-Nov-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC  
SYSDRILL

Well Design Combined Report  
Wellbore: RUBYANNA 13NB-31W (PWB)

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
3400.00	2.65	139.270	3397.41	85.37S	73.51E	==>	-67.24	1418975.80	3185555.57
3500.00	2.65	139.270	3497.31	88.87S	76.53E	==>	-70.01	1418972.29	3185558.59
3600.00	2.65	139.270	3597.20	92.38S	79.55E	==>	-72.77	1418968.79	3185561.61
3700.00	2.65	139.270	3697.09	95.89S	82.57E	==>	-75.53	1418965.28	3185564.63
3800.00	2.65	139.270	3796.99	99.40S	85.59E	==>	-78.30	1418961.77	3185567.65
3900.00	2.65	139.270	3896.88	102.90S	88.61E	==>	-81.06	1418958.26	3185570.68
4000.00	2.65	139.270	3996.77	106.41S	91.63E	==>	-83.82	1418954.76	3185573.70
4100.00	2.65	139.270	4096.66	109.92S	94.65E	==>	-86.58	1418951.25	3185576.72
4200.00	2.65	139.270	4196.56	113.43S	97.67E	==>	-89.35	1418947.74	3185579.74
4300.00	2.65	139.270	4296.45	116.94S	100.69E	==>	-92.11	1418944.23	3185582.76
4400.00	2.65	139.270	4396.34	120.44S	103.72E	==>	-94.87	1418940.73	3185585.78
4500.00	2.65	139.270	4496.24	123.95S	106.74E	==>	-97.64	1418937.22	3185588.80
4600.00	2.65	139.270	4596.13	127.46S	109.76E	==>	-100.40	1418933.71	3185591.82
4700.00	2.65	139.270	4696.02	130.97S	112.78E	==>	-103.16	1418930.20	3185594.84
4800.00	2.65	139.270	4795.91	134.47S	115.80E	==>	-105.93	1418926.70	3185597.86
4900.00	2.65	139.270	4895.81	137.98S	118.82E	==>	-108.69	1418923.19	3185600.88
5000.00	2.65	139.270	4995.70	141.49S	121.84E	==>	-111.45	1418919.68	3185603.90
5100.00	2.65	139.270	5095.59	145.00S	124.86E	==>	-114.21	1418916.17	3185606.92
5200.00	2.65	139.270	5195.49	148.50S	127.88E	==>	-116.98	1418912.67	3185609.94
5300.00	2.65	139.270	5295.38	152.01S	130.90E	==>	-119.74	1418909.16	3185612.96
5400.00	2.65	139.270	5395.27	155.52S	133.92E	==>	-122.50	1418905.65	3185615.98
5500.00	2.65	139.270	5495.16	159.03S	136.94E	==>	-125.27	1418902.14	3185619.00
5600.00	2.65	139.270	5595.06	162.54S	139.96E	==>	-128.03	1418898.63	3185622.02
5700.00	2.65	139.270	5694.95	166.04S	142.98E	==>	-130.79	1418895.13	3185625.04
5800.00	2.65	139.270	5794.84	169.55S	146.00E	==>	-133.56	1418891.62	3185628.06
5900.00	2.65	139.270	5894.74	173.06S	149.02E	==>	-136.32	1418888.11	3185631.08
6000.00	2.65	139.270	5994.63	176.57S	152.04E	==>	-139.08	1418884.60	3185634.10
6100.00	2.65	139.270	6094.52	180.07S	155.06E	==>	-141.85	1418881.10	3185637.12
6200.00	2.65	139.270	6194.41	183.58S	158.08E	==>	-144.61	1418877.59	3185640.14
6300.00	2.65	139.270	6294.31	187.09S	161.10E	==>	-147.37	1418874.08	3185643.16
6400.00	2.65	139.270	6394.20	190.60S	164.13E	==>	-150.13	1418870.57	3185646.19
6500.00	2.65	139.270	6494.09	194.10S	167.15E	==>	-152.90	1418867.07	3185649.21
6552.73	2.65	139.270	6546.77	195.95S	168.74E	==>	-154.35	1418865.22	3185650.80
6600.00	3.67	234.660	6593.99	197.66S	168.22E	10.00	-153.71	1418863.51	3185650.28
6700.00	13.20	259.830	6692.82	201.54S	154.33E	10.00	-139.58	1418859.63	3185636.39
6800.00	23.13	263.800	6787.71	205.69S	123.48E	10.00	-108.52	1418855.48	3185605.55
6900.00	33.10	265.460	6875.80	209.98S	76.62E	10.00	-61.47	1418851.19	3185558.68
7000.00	43.08	266.420	6954.41	214.29S	15.15E	10.00	0.15	1418846.88	3185497.22
7100.00	53.07	267.070	7021.13	218.48S	59.04W	10.00	74.45	1418842.69	3185423.03
7200.00	63.06	267.570	7073.96	222.42S	143.71W	10.00	159.18	1418838.75	3185338.37
7300.00	73.06	267.990	7111.27	226.01S	236.28W	10.00	251.77	1418835.17	3185245.80
7400.00	83.05	268.360	7131.95	229.11S	333.94W	10.00	349.41	1418832.06	3185148.14
7483.21	91.36	268.660	7136.00	231.27S	416.95W	10.00	432.36	1418829.90	3185065.14
7500.00	91.36	268.660	7135.60	231.66S	433.73W	==>	449.13	1418829.51	3185048.35
7600.00	91.36	268.660	7133.22	234.00S	533.67W	==>	548.98	1418827.17	3184948.41
7700.00	91.36	268.660	7130.84	236.33S	633.62W	==>	648.84	1418824.84	3184848.47
7800.00	91.36	268.660	7128.45	238.67S	733.56W	==>	748.70	1418822.50	3184748.53
7900.00	91.36	268.660	7126.07	241.01S	833.50W	==>	848.55	1418820.17	3184648.59
8000.00	91.36	268.660	7123.69	243.34S	933.45W	==>	948.41	1418817.83	3184548.65
8100.00	91.36	268.660	7121.31	245.68S	1033.39W	==>	1048.27	1418815.49	3184448.71
8200.00	91.36	268.660	7118.93	248.02S	1133.34W	==>	1148.12	1418813.16	3184348.77
8300.00	91.36	268.660	7116.54	250.35S	1233.28W	==>	1247.98	1418810.82	3184248.83
8400.00	91.36	268.660	7114.16	252.69S	1333.23W	==>	1347.84	1418808.48	3184148.89
8500.00	91.36	268.660	7111.78	255.03S	1433.17W	==>	1447.69	1418806.15	3184048.95
8600.00	91.36	268.660	7109.40	257.36S	1533.12W	==>	1547.55	1418803.81	3183949.01
8700.00	91.36	268.660	7107.02	259.70S	1633.06W	==>	1647.41	1418801.47	3183849.07
8800.00	91.36	268.660	7104.63	262.04S	1733.00W	==>	1747.27	1418799.14	3183749.13
8900.00	91.36	268.660	7102.25	264.37S	1832.95W	==>	1847.12	1418796.80	3183649.19
9000.00	91.36	268.660	7099.87	266.71S	1932.89W	==>	1946.98	1418794.47	3183549.25
9100.00	91.36	268.660	7097.49	269.05S	2032.84W	==>	2046.84	1418792.13	3183449.30
9200.00	91.36	268.660	7095.11	271.38S	2132.78W	==>	2146.69	1418789.79	3183349.36
9300.00	91.36	268.660	7092.72	273.72S	2232.73W	==>	2246.55	1418787.46	3183249.42

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Vertical Section is from 0.00N 0.00E on azimuth 265.920 degrees  
Bottom hole distance is 4624.53 Feet on azimuth 265.92 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by Integrated Petroleum Technologies, Inc.  
Date Printed: 19-Nov-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC  
SYSDRILL  
Well Design Combined Report  
Wellbore: RUBYANNA 13NB-31W (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	91.36	268.660	7090.34	276.06S	2332.67W	==>	2346.41	1418785.12	3183149.48
9500.00	91.36	268.660	7087.96	278.39S	2432.61W	==>	2446.26	1418782.78	3183049.54
9600.00	91.36	268.660	7085.58	280.73S	2532.56W	==>	2546.12	1418780.45	3182949.60
9700.00	91.36	268.660	7083.20	283.06S	2632.50W	==>	2645.98	1418778.11	3182849.66
9800.00	91.36	268.660	7080.81	285.40S	2732.45W	==>	2745.83	1418775.77	3182749.72
9900.00	91.36	268.660	7078.43	287.74S	2832.39W	==>	2845.69	1418773.44	3182649.78
10000.00	91.36	268.660	7076.05	290.07S	2932.34W	==>	2945.55	1418771.10	3182549.84
10100.00	91.36	268.660	7073.67	292.41S	3032.28W	==>	3045.41	1418768.76	3182449.90
10200.00	91.36	268.660	7071.29	294.75S	3132.22W	==>	3145.26	1418766.43	3182349.96
10300.00	91.36	268.660	7068.90	297.08S	3232.17W	==>	3245.12	1418764.09	3182250.02
10400.00	91.36	268.660	7066.52	299.42S	3332.11W	==>	3344.98	1418761.76	3182150.08
10500.00	91.36	268.660	7064.14	301.76S	3432.06W	==>	3444.83	1418759.42	3182050.14
10600.00	91.36	268.660	7061.76	304.09S	3532.00W	==>	3544.69	1418757.08	3181950.20
10700.00	91.36	268.660	7059.38	306.43S	3631.95W	==>	3644.55	1418754.75	3181850.25
10800.00	91.36	268.660	7056.99	308.77S	3731.89W	==>	3744.40	1418752.41	3181750.31
10900.00	91.36	268.660	7054.61	311.10S	3831.83W	==>	3844.26	1418750.07	3181650.37
11000.00	91.36	268.660	7052.23	313.44S	3931.78W	==>	3944.12	1418747.74	3181550.43
11100.00	91.36	268.660	7049.85	315.78S	4031.72W	==>	4043.97	1418745.40	3181450.49
11200.00	91.36	268.660	7047.47	318.11S	4131.67W	==>	4143.83	1418743.06	3181350.55
11300.00	91.36	268.660	7045.08	320.45S	4231.61W	==>	4243.69	1418740.73	3181250.61
11400.00	91.36	268.660	7042.70	322.79S	4331.56W	==>	4343.55	1418738.39	3181150.67
11500.00	91.36	268.660	7040.32	325.12S	4431.50W	==>	4443.40	1418736.05	3181050.73
11600.00	91.36	268.660	7037.94	327.46S	4531.44W	==>	4543.26	1418733.72	3180950.79
11681.39	91.36	268.660	7036.00	329.36S	4612.79W	==>	4624.53	1418731.82	3180869.45

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SYSDRILL  
Well Design Combined Report  
Wellbore: RUBYANNA 13NB-31W (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	20.00	20.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E
8 3/4	500.00	500.00	0.00N	0.00E	7299.06	7111.00	225.97S	235.38W
6 1/8	7299.06	7111.00	225.97S	235.38W	11681.00	7036.01	329.35S	4612.40W

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	20.00	20.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E
7.0in Intermediate Casing	20.00	20.00	0.00N	0.00E	7299.06	7111.00	225.97S	235.38W
4 1/2in Production Liner	6552.00	6546.04	195.93S	168.72E	11681.00	7036.01	329.35S	4612.40W

Targets								
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting	Last Revised
RUBYANNA 13NB-31W	231.27S	231.94W	7111.00	40.48118000	-104.83405000	1418829.90	3185250.13	23-Oct-2013
RUBYANNA 13NB-31W	329.36S	4612.79W	7036.00	40.48100000	-104.84980000	1418731.82	3180869.45	23-Oct-2013

Survey Tool Program					
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model
93407	Planned	11681.39	7036.00	WdW Rate Gyro	Standard

Notes

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Vertical Section is from 0.00N 0.00E on azimuth 265.920 degrees  
Bottom hole distance is 4624.53 Feet on azimuth 265.92 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by Integrated Petroleum Technologies, Inc.  
Date Printed: 19-Nov-2013



SYSDRILL  
Closest Approach + Clearance Factor Summary Report  
Wellbore: RUBYANNA 13NB-31W (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 5000.00ft 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
RUBYANNA 13NB-31W (PWB)	23-Oct-2013	19-Nov-2013

Well		
Name	Government ID	Last Revised
RUBYANNA 13NB-31W		23-Oct-2013

Slot						
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
RUBYANNA 13NB-31W	1419061.1644	3185482.0660	40.48181000	-104.83321000	156.65S	1.18E

Installation				
Name	Easting	Northing	Coord System Name	North Alignment
Rubyanna Pad	3185480.8881	1419217.8106	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Field				
Name	Easting	Northing	Coord System Name	North Alignment
Wattenberg	3169265.3596	1428201.7578	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]
RUBYANN A 13C-32W	RUBYANNA 13C-32W (PWB)	RUBYANN A 13C-32W	Rubyanna Pad	25.50	851.00	7483.21	23.51	851.00	6.52	11666.98
RUBYANN A 13C-30W	RUBYANNA 13C-30W (PWB)	RUBYANN A 13C-30W	Rubyanna Pad	25.50	900.00	7467.51	23.42	905.83	4.67	11666.98
RUBYANN A 13NB-29W	RUBYANNA 13NB-29W (PWB)	RUBYANN A 13NB-29W	Rubyanna Pad	51.00	899.00	8120.00	48.94	900.00	7.89	11666.98
RUBYANN A 13C-28W	RUBYANNA 13C-28W (PWB)	RUBYANN A 13C-28W	Rubyanna Pad	76.51	848.00	7467.51	74.51	848.00	12.11	11666.98
RUBYANN A 13NB-27W	RUBYANNA 13NB-27W (PWB)	RUBYANN A 13NB-27W	Rubyanna Pad	105.65	791.00	11020.00	103.75	791.00	15.74	11666.98
W RUBYANN A 13NC-26W	RUBYANNA 13NC-26W (PWB)	RUBYANN A 13NC-26W	Rubyanna Pad	131.15	747.00	747.00	129.32	747.00	19.81	11666.98
RUBYANN A 13C-25W	RUBYANNA 13C-25W (PWB)	RUBYANN A 13C-25W	Rubyanna Pad	156.66	692.57	692.57	154.91	692.57	26.12	11666.98
W STROMBERGER #1-13	W STROMBERGER #1-13 (AWB)	STROMBERGER #1-13	Rubyanna Offsets	171.64	9789.73	9789.73	120.85	9789.73	3.37	9796.90
W STROMBERGER	W STROMBERGER #13-35	STROMBERGER #13-35	Rubyanna Offsets	518.16	11046.91	11046.91	459.00	11046.91	8.75	11060.03

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 4846.0ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 265.920 degrees  
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SYSDRILL  
Closest Approach + Clearance Factor Summary Report  
Wellbore: RUBYANNA 13NB-31W (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]
#13-35	(AWB)									
W DUNBAR #1-18	W DUNBAR #1-18 (AWB)	DUNBAR #1-18	Rubyanna Offsets	519.78	4572.40	4572.40	501.24	4572.40	28.04	4572.40
W DUNBAR #18-33	W DUNBAR #18-33 (AWB)	DUNBAR #18-33	Rubyanna Offsets	865.75	6565.28	6565.28	837.59	6565.28	30.70	6614.49
W STROMBERGER #13-31	W STROMBERGER #13-31 (AWB)	STROMBERGER #13-31	Rubyanna Offsets	1472.83	10321.84	10321.84	1419.93	10338.24	27.48	10518.69
R A #1	R A #1 (AWB)	R A #1	Rubyanna Offsets	1528.83	905.83	905.83	1519.25	955.04	57.49	6680.10
W STROMBERGER #13-32	W STROMBERGER #13-32 (AWB)	STROMBERGER #13-32	Rubyanna Offsets	1534.32	11475.88	11475.88	1471.36	11486.54	24.14	11650.58
W FREE ENTERPRISE #1-13	W FREE ENTERPRISE #1-13 (AWB)	FREE ENTERPRISE #1-13	Rubyanna Offsets	2407.96	900.00	9182.68	2400.32	905.83	115.67	10371.05