

MINERAL RESOURCES, INC.

Location	Windsor	Slot	Slot #45
Field	Wattenberg	Well	GP-JEvans #2-19-19
Installation	Mineral Resources MRI	Wellbore	GP-JEvans #2-19-19 (PWB)

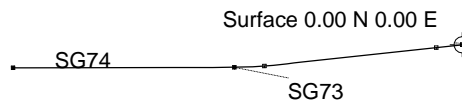
Scale 1 cm = 800 ft

East (feet) ->

-11200 -9600 -8000 -6400 -4800 -3200 -1600 0 1600

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00
KOP	350.00	0.00	0.00	350.00	0.00	0.00	0.00	-0.00
End of Build	2090.26	34.81	263.84	1985.19	-54.99	-509.56	2.00	511.71
End of Hold	8025.69	34.81	263.84	6858.75	-418.46	-3877.89	0.00	3894.26
Target SG73	8718.36	90.00	269.86	7167.58	-442.40	-4467.46	8.00	4484.28
T.D. & Target SG74	13058.28	90.00	269.86	7167.58	-452.94	-8807.36	0.00	8819.00



North (feet)

Scale 1 cm = 800 ft

Scale 1 cm = 400 ft

True Vertical Depth (feet)

Tie on - 0.00 Inc, 0.00 MD, 0.00 TVD, -0.00 VS

3DS Kick off Point - 0.00 Inc, 350.00 MD, 350.00 TVD, -0.00 VS

9 5/8in Surface Casing

End of Build - 34.81 Inc, 2090.26 MD, 1985.19 TVD, 511.71 VS

End of Hold - 34.81 Inc, 8025.69 MD, 6858.75 TVD, 3894.26 VS

7.0in Intermediate Casing

SG74

4 1/2in Production Liner

SG73

S/C Kick off Point - 90.00 Inc, 8718.36 MD, 7167.58 TVD, 4484.28 VS

T.D. & End of Hold - 7167.58 TVD, 452.94 S 8807.36 W

Created by admin
Date plotted 21-Mar-2014
Plot reference is GP-JEvans #2-19-19 (PWB).
Ref wellpath is MRI-JEvans #2-19-19 (PWP#1).
Coordinates are in feet reference Slot #45.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 4672.58 ft.
Plot North is aligned to GRID North.

-800 -0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000 8800 9600

Scale 1 cm = 400 ft

Vertical Section (feet) ->

Azimuth 267.06 with reference 0.00 N, 0.00 E from Slot #45



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: GP-JEvans #2-19-19 (PWB)

Wellhead Details							
Name	Northing	Easting	Latitude	Longitude	North	East	Elevation Above Inst.
Slot #45	1386070.7050	3227709.8680	40.39028450	-104.68250629	424.45S	376.69W	0.58

Declination			
Date	Source	Time	
22-Jan-2013	IGRF Model [1900.0-2015.0]	09:44	
18-Sep-2013	IGRF Model [1900.0-2015.0]	10:23	

Site Details				
Name	Northing	Easting	Coord System Name	North Alignment
Mineral Resources MRI	1386495.1419	3228086.5450	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	1386070.71	3227709.87
350.00	0.00	0.000	350.00	0.00N	0.00E	==>	0.00	1386070.71	3227709.87
2090.26	34.81	263.840	1985.19	54.99S	509.56W	2.00	511.71	1386015.72	3227200.33
8025.69	34.81	263.840	6858.75	418.46S	3877.89W	==>	3894.26	1385652.27	3223832.15
8718.36	90.00	269.860	7167.58	442.40S	4467.46W	8.00	4484.28	1385628.32	3223242.60
13058.28	90.00	269.860	7167.58	452.94S	8807.36W	==>	8819.00	1385617.78	3218902.87

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	1386070.71	3227709.87
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	1386070.71	3227709.87
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	1386070.71	3227709.87
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	1386070.71	3227709.87
350.00	0.00	0.000	350.00	0.00N	0.00E	==>	0.00	1386070.71	3227709.87
450.00	2.00	263.840	449.98	0.19S	1.74W	2.00	1.74	1386070.52	3227708.13
550.00	4.00	263.840	549.84	0.75S	6.94W	2.00	6.97	1386069.96	3227702.93
650.00	6.00	263.840	649.45	1.68S	15.60W	2.00	15.67	1386069.02	3227694.27
750.00	8.00	263.840	748.70	2.99S	27.72W	2.00	27.84	1386067.71	3227682.15
850.00	10.00	263.840	847.47	4.67S	43.27W	2.00	43.45	1386066.04	3227666.60
950.00	12.00	263.840	945.62	6.72S	62.24W	2.00	62.50	1386063.99	3227647.63
1050.00	14.00	263.840	1043.06	9.13S	84.61W	2.00	84.96	1386061.58	3227625.27
1150.00	16.00	263.840	1139.64	11.91S	110.34W	2.00	110.80	1386058.80	3227599.54
1250.00	18.00	263.840	1235.27	15.04S	139.40W	2.00	139.99	1386055.66	3227570.47
1350.00	20.00	263.840	1329.82	18.54S	171.77W	2.00	172.50	1386052.17	3227538.10
1450.00	22.00	263.840	1423.17	22.38S	207.40W	2.00	208.27	1386048.33	3227502.48
1550.00	24.00	263.840	1515.21	26.57S	246.24W	2.00	247.28	1386044.13	3227463.63
1650.00	26.00	263.840	1605.84	31.11S	288.26W	2.00	289.48	1386039.60	3227421.62
1750.00	28.00	263.840	1694.94	35.98S	333.40W	2.00	334.80	1386034.73	3227376.49
1850.00	30.00	263.840	1782.39	41.18S	381.59W	2.00	383.20	1386029.53	3227328.29
1950.00	32.00	263.840	1868.11	46.70S	432.80W	2.00	434.63	1386024.00	3227277.09
2050.00	34.00	263.840	1951.97	52.55S	486.94W	2.00	489.00	1386018.16	3227222.94
2090.26	34.81	263.840	1985.19	54.99S	509.56W	2.00	511.71	1386015.72	3227200.33
2100.00	34.81	263.840	1993.18	55.58S	515.09W	==>	517.26	1386015.13	3227194.80
2200.00	34.81	263.840	2075.29	61.71S	571.84W	==>	574.25	1386009.00	3227138.06
2300.00	34.81	263.840	2157.40	67.83S	628.59W	==>	631.24	1386002.88	3227081.31
2400.00	34.81	263.840	2239.51	73.95S	685.34W	==>	688.23	1385996.75	3227024.56
2500.00	34.81	263.840	2321.62	80.08S	742.09W	==>	745.22	1385990.63	3226967.81
2600.00	34.81	263.840	2403.73	86.20S	798.83W	==>	802.21	1385984.51	3226911.07
2700.00	34.81	263.840	2485.84	92.32S	855.58W	==>	859.20	1385978.38	3226854.32
2800.00	34.81	263.840	2567.95	98.45S	912.33W	==>	916.19	1385972.26	3226797.57
2900.00	34.81	263.840	2650.06	104.57S	969.08W	==>	973.18	1385966.14	3226740.83
3000.00	34.81	263.840	2732.17	110.70S	1025.83W	==>	1030.16	1385960.01	3226684.08
3100.00	34.81	263.840	2814.28	116.82S	1082.58W	==>	1087.15	1385953.89	3226627.33
3200.00	34.81	263.840	2896.39	122.94S	1139.33W	==>	1144.14	1385947.77	3226570.58
3300.00	34.81	263.840	2978.50	129.07S	1196.08W	==>	1201.13	1385941.64	3226513.84
3400.00	34.81	263.840	3060.61	135.19S	1252.83W	==>	1258.12	1385935.52	3226457.09

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 4672.6ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 267.060 degrees
Bottom hole distance is 8819.00 Feet on azimuth 267.06 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 21-Mar-2014



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL

Well Design Combined Report
Wellbore: GP-JEvans #2-19-19 (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	34.81	263.840	3142.72	141.31S	1309.58W	==>	1315.11	1385929.40	3226400.34
3600.00	34.81	263.840	3224.83	147.44S	1366.33W	==>	1372.10	1385923.27	3226343.60
3700.00	34.81	263.840	3306.94	153.56S	1423.08W	==>	1429.09	1385917.15	3226286.85
3800.00	34.81	263.840	3389.05	159.69S	1479.83W	==>	1486.08	1385911.03	3226230.10
3900.00	34.81	263.840	3471.16	165.81S	1536.58W	==>	1543.07	1385904.90	3226173.35
4000.00	34.81	263.840	3553.27	171.93S	1593.33W	==>	1600.06	1385898.78	3226116.61
4100.00	34.81	263.840	3635.38	178.06S	1650.08W	==>	1657.04	1385892.66	3226059.86
4200.00	34.81	263.840	3717.49	184.18S	1706.83W	==>	1714.03	1385886.53	3226003.11
4300.00	34.81	263.840	3799.60	190.30S	1763.58W	==>	1771.02	1385880.41	3225946.37
4400.00	34.81	263.840	3881.71	196.43S	1820.33W	==>	1828.01	1385874.29	3225889.62
4500.00	34.81	263.840	3963.82	202.55S	1877.08W	==>	1885.00	1385868.16	3225832.87
4600.00	34.81	263.840	4045.93	208.68S	1933.82W	==>	1941.99	1385862.04	3225776.12
4700.00	34.81	263.840	4128.04	214.80S	1990.57W	==>	1998.98	1385855.92	3225719.38
4800.00	34.81	263.840	4210.15	220.92S	2047.32W	==>	2055.97	1385849.79	3225662.63
4900.00	34.81	263.840	4292.26	227.05S	2104.07W	==>	2112.96	1385843.67	3225605.88
5000.00	34.81	263.840	4374.36	233.17S	2160.82W	==>	2169.95	1385837.54	3225549.14
5100.00	34.81	263.840	4456.47	239.29S	2217.57W	==>	2226.94	1385831.42	3225492.39
5200.00	34.81	263.840	4538.58	245.42S	2274.32W	==>	2283.92	1385825.30	3225435.64
5300.00	34.81	263.840	4620.69	251.54S	2331.07W	==>	2340.91	1385819.17	3225378.89
5400.00	34.81	263.840	4702.80	257.67S	2387.82W	==>	2397.90	1385813.05	3225322.15
5500.00	34.81	263.840	4784.91	263.79S	2444.57W	==>	2454.89	1385806.93	3225265.40
5600.00	34.81	263.840	4867.02	269.91S	2501.32W	==>	2511.88	1385800.80	3225208.65
5700.00	34.81	263.840	4949.13	276.04S	2558.07W	==>	2568.87	1385794.68	3225151.91
5800.00	34.81	263.840	5031.24	282.16S	2614.82W	==>	2625.86	1385788.56	3225095.16
5900.00	34.81	263.840	5113.35	288.28S	2671.57W	==>	2682.85	1385782.43	3225038.41
6000.00	34.81	263.840	5195.46	294.41S	2728.32W	==>	2739.84	1385776.31	3224981.67
6100.00	34.81	263.840	5277.57	300.53S	2785.07W	==>	2796.83	1385770.19	3224924.92
6200.00	34.81	263.840	5359.68	306.66S	2841.82W	==>	2853.82	1385764.06	3224868.17
6300.00	34.81	263.840	5441.79	312.78S	2898.57W	==>	2910.81	1385757.94	3224811.42
6400.00	34.81	263.840	5523.90	318.90S	2955.32W	==>	2967.79	1385751.82	3224754.68
6500.00	34.81	263.840	5606.01	325.03S	3012.07W	==>	3024.78	1385745.69	3224697.93
6600.00	34.81	263.840	5688.12	331.15S	3068.81W	==>	3081.77	1385739.57	3224641.18
6700.00	34.81	263.840	5770.23	337.27S	3125.56W	==>	3138.76	1385733.45	3224584.44
6800.00	34.81	263.840	5852.34	343.40S	3182.31W	==>	3195.75	1385727.32	3224527.69
6900.00	34.81	263.840	5934.45	349.52S	3239.06W	==>	3252.74	1385721.20	3224470.94
7000.00	34.81	263.840	6016.56	355.64S	3295.81W	==>	3309.73	1385715.08	3224414.19
7100.00	34.81	263.840	6098.67	361.77S	3352.56W	==>	3366.72	1385708.95	3224357.45
7200.00	34.81	263.840	6180.78	367.89S	3409.31W	==>	3423.71	1385702.83	3224300.70
7300.00	34.81	263.840	6262.89	374.02S	3466.06W	==>	3480.70	1385696.70	3224243.95
7400.00	34.81	263.840	6345.00	380.14S	3522.81W	==>	3537.69	1385690.58	3224187.21
7500.00	34.81	263.840	6427.11	386.26S	3579.56W	==>	3594.67	1385684.46	3224130.46
7600.00	34.81	263.840	6509.22	392.39S	3636.31W	==>	3651.66	1385678.33	3224073.71
7700.00	34.81	263.840	6591.33	398.51S	3693.06W	==>	3708.65	1385672.21	3224016.96
7800.00	34.81	263.840	6673.43	404.63S	3749.81W	==>	3765.64	1385666.09	3223960.22
7900.00	34.81	263.840	6755.54	410.76S	3806.56W	==>	3822.63	1385659.96	3223903.47
8000.00	34.81	263.840	6837.65	416.88S	3863.31W	==>	3879.62	1385653.84	3223846.72
8025.69	34.81	263.840	6858.75	418.46S	3877.89W	==>	3894.26	1385652.27	3223832.15
8100.00	40.71	265.000	6917.47	422.85S	3923.15W	8.00	3939.69	1385647.88	3223786.88
8200.00	48.66	266.180	6988.51	428.20S	3993.21W	8.00	4009.93	1385642.53	3223716.82
8300.00	56.63	267.110	7049.14	432.81S	4072.51W	8.00	4089.36	1385637.92	3223637.53
8400.00	64.60	267.880	7098.16	436.59S	4159.49W	8.00	4176.42	1385634.13	3223550.56
8500.00	72.58	268.550	7134.64	439.48S	4252.47W	8.00	4269.43	1385631.25	3223457.58
8600.00	80.56	269.170	7157.85	441.41S	4349.63W	8.00	4366.56	1385629.32	3223360.42
8700.00	88.53	269.750	7167.35	442.34S	4449.10W	8.00	4465.94	1385628.38	3223260.96
8718.36	90.00	269.860	7167.58	442.40S	4467.46W	8.00	4484.28	1385628.32	3223242.60
8800.00	90.00	269.860	7167.58	442.60S	4549.09W	==>	4565.82	1385628.12	3223160.97
8900.00	90.00	269.860	7167.58	442.84S	4649.09W	==>	4665.70	1385627.88	3223060.97
9000.00	90.00	269.860	7167.58	443.09S	4749.09W	==>	4765.58	1385627.64	3222960.98
9100.00	90.00	269.860	7167.58	443.33S	4849.09W	==>	4865.46	1385627.40	3222860.98
9200.00	90.00	269.860	7167.58	443.57S	4949.09W	==>	4965.34	1385627.15	3222760.98
9300.00	90.00	269.860	7167.58	443.81S	5049.09W	==>	5065.22	1385626.91	3222660.99
9400.00	90.00	269.860	7167.58	444.06S	5149.09W	==>	5165.10	1385626.67	3222560.99

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Bottom hole distance is 8819.00 Feet on azimuth 267.06 degrees from Wellhead
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Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 21-Mar-2014



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL

Well Design Combined Report
Wellbore: GP-JEvans #2-19-19 (PWB)

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
9500.00	90.00	269.860	7167.58	444.30S	5249.09W	==>	5264.98	1385626.42	3222461.00
9600.00	90.00	269.860	7167.58	444.54S	5349.09W	==>	5364.86	1385626.18	3222361.00
9700.00	90.00	269.860	7167.58	444.79S	5449.09W	==>	5464.74	1385625.94	3222261.01
9800.00	90.00	269.860	7167.58	445.03S	5549.09W	==>	5564.62	1385625.69	3222161.01
9900.00	90.00	269.860	7167.58	445.27S	5649.09W	==>	5664.50	1385625.45	3222061.02
10000.00	90.00	269.860	7167.58	445.51S	5749.09W	==>	5764.38	1385625.21	3221961.02
10100.00	90.00	269.860	7167.58	445.76S	5849.09W	==>	5864.26	1385624.97	3221861.03
10200.00	90.00	269.860	7167.58	446.00S	5949.09W	==>	5964.14	1385624.72	3221761.03
10300.00	90.00	269.860	7167.58	446.24S	6049.09W	==>	6064.02	1385624.48	3221661.03
10400.00	90.00	269.860	7167.58	446.49S	6149.09W	==>	6163.90	1385624.24	3221561.04
10500.00	90.00	269.860	7167.58	446.73S	6249.09W	==>	6263.78	1385623.99	3221461.04
10600.00	90.00	269.860	7167.58	446.97S	6349.09W	==>	6363.67	1385623.75	3221361.05
10700.00	90.00	269.860	7167.58	447.22S	6449.09W	==>	6463.55	1385623.51	3221261.05
10800.00	90.00	269.860	7167.58	447.46S	6549.09W	==>	6563.43	1385623.27	3221161.06
10900.00	90.00	269.860	7167.58	447.70S	6649.09W	==>	6663.31	1385623.02	3221061.06
11000.00	90.00	269.860	7167.58	447.94S	6749.09W	==>	6763.19	1385622.78	3220961.07
11100.00	90.00	269.860	7167.58	448.19S	6849.09W	==>	6863.07	1385622.54	3220861.07
11200.00	90.00	269.860	7167.58	448.43S	6949.09W	==>	6962.95	1385622.29	3220761.07
11300.00	90.00	269.860	7167.58	448.67S	7049.09W	==>	7062.83	1385622.05	3220661.08
11400.00	90.00	269.860	7167.58	448.92S	7149.09W	==>	7162.71	1385621.81	3220561.08
11500.00	90.00	269.860	7167.58	449.16S	7249.09W	==>	7262.59	1385621.57	3220461.09
11600.00	90.00	269.860	7167.58	449.40S	7349.09W	==>	7362.47	1385621.32	3220361.09
11700.00	90.00	269.860	7167.58	449.64S	7449.08W	==>	7462.35	1385621.08	3220261.10
11800.00	90.00	269.860	7167.58	449.89S	7549.08W	==>	7562.23	1385620.84	3220161.10
11900.00	90.00	269.860	7167.58	450.13S	7649.08W	==>	7662.11	1385620.59	3220061.11
12000.00	90.00	269.860	7167.58	450.37S	7749.08W	==>	7761.99	1385620.35	3219961.11
12100.00	90.00	269.860	7167.58	450.62S	7849.08W	==>	7861.87	1385620.11	3219861.12
12200.00	90.00	269.860	7167.58	450.86S	7949.08W	==>	7961.75	1385619.86	3219761.12
12300.00	90.00	269.860	7167.58	451.10S	8049.08W	==>	8061.63	1385619.62	3219661.12
12400.00	90.00	269.860	7167.58	451.35S	8149.08W	==>	8161.51	1385619.38	3219561.13
12500.00	90.00	269.860	7167.58	451.59S	8249.08W	==>	8261.39	1385619.14	3219461.13
12600.00	90.00	269.860	7167.58	451.83S	8349.08W	==>	8361.27	1385618.89	3219361.14
12700.00	90.00	269.860	7167.58	452.07S	8449.08W	==>	8461.15	1385618.65	3219261.14
12800.00	90.00	269.860	7167.58	452.32S	8549.08W	==>	8561.03	1385618.41	3219161.15
12900.00	90.00	269.860	7167.58	452.56S	8649.08W	==>	8660.91	1385618.16	3219061.15
13000.00	90.00	269.860	7167.58	452.80S	8749.08W	==>	8760.79	1385617.92	3218961.16
13058.28	90.00	269.860	7167.58	452.94S	8807.36W	==>	8819.00	1385617.78	3218902.87

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Vertical Section is from 0.00N 0.00E on azimuth 267.060 degrees
Bottom hole distance is 8819.00 Feet on azimuth 267.06 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 21-Mar-2014



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: GP-JEvans #2-19-19 (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	900.00	896.63	5.65S	52.33W
8 3/4	900.00	896.63	5.65S	52.33W	8718.00	7167.58	442.40S	4467.09W
6 1/8	8718.00	7167.58	442.40S	4467.09W	13058.28	7167.58	452.94S	8807.36W

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	900.00	896.63	5.65S	52.33W
7.0in Intermediate Casing	0.00	0.00	0.00N	0.00E	8718.00	7167.58	442.40S	4467.09W
4 1/2in Production Liner	8518.00	7139.81	439.90S	4269.70W	13058.28	7167.58	452.94S	8807.36W

Targets								
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting	Last Revised
SG73	442.40S	4467.46W	7167.58	40.38918214	-104.69855755	1385628.32	3223242.60	17-Mar-2014
SG74	452.94S	8807.36W	7167.58	40.38925982	-104.71413671	1385617.78	3218902.87	17-Mar-2014

Survey Tool Program						
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model	
64249	Planned	13058.28	7167.58	WdW Rate Gyro	Standard	

Notes

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Closest Approach + Clearance Factor Summary Report
Wellbore: GP-JEvans #2-19-19 (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 1000.00ft 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
GP-JEvans #2-19-19 (PWB)	19-Sep-2013	21-Mar-2014

Well		
Name	Government ID	Last Revised
GP-JEvans #2-19-19		20-Mar-2014

Slot						
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Slot #45	1386070.7050	3227709.8680	40.39028450	-104.68250629	424.45S	376.69W

Installation				
Name	Easting	Northing	Coord System Name	North Alignment
Mineral Resources MRI	3228086.5450	1386495.1419	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Field				
Name	Easting	Northing	Coord System Name	North Alignment
Wattenberg	3211772.6087	1400656.3763	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]
GP-JEvans #3-19-19	GP-JEvans #3-19-19 (PWB)	Slot #46	Mineral Resources MRI	11.95	431.03	2673.92	10.32	450.00	2.52	13058.28
GP-JEvans #1-19-19	GP-JEvans #1-19-19 (PWB)	Slot #44	Mineral Resources MRI	12.00	360.89	13058.28	10.49	393.70	2.52	13058.28
GP-JEvans 4-19-19	GP-JEvans 4-19-19 (PWB)	Slot #47	Mineral Resources MRI	23.89	464.80	464.80	22.21	492.13	4.21	13058.28
GP-Hillside #3-19-19	GP-Hillside #3-19-19 (PWB)	Slot #43	Mineral Resources MRI	24.00	360.89	8054.46	22.49	393.70	4.21	13058.28
GP-Hillside #2-19-19	GP-Hillside #2-19-19 (PWB)	Slot #42	Mineral Resources MRI	36.00	360.89	360.89	34.48	393.70	6.57	13058.28
GP-JEvans #5-19-19	GP-JEvans #5-19-19 (PWB)	Slot #48	Mineral Resources MRI	36.00	200.00	200.00	34.77	229.66	6.44	13058.28
GP-Double Clutch #1-19-19	GP-Double Clutch #1-19-19 (PWB)	Slot #49	Mineral Resources MRI	48.00	250.45	250.45	46.68	250.45	17.73	7053.81
GP-Hillside #1-18-18	GP-Hillside #1-18-18 (PWB)	Slot #41	Mineral Resources MRI	48.00	360.89	360.89	46.48	393.70	18.36	7000.00
GP-Double Clutch #2-19-19	GP-Double Clutch #2-19-19 (PWB)	Slot #50	Mineral Resources MRI	59.73	541.34	541.34	57.94	557.74	24.50	5757.87

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Wellbore: GP-JEvans #2-19-19 (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]
GP-Jackson #5-18-18	GP-Jackson #5-18-18 (PWB)	Slot #40	Mineral Resources MRI	61.00	360.89	360.89	59.49	393.70	22.92	5790.68
GP-Double Clutch #3-19-19	GP-Double Clutch #3-19-19 (PWB)	Slot #51	Mineral Resources MRI	71.67	557.74	557.74	69.85	574.15	33.97	820.21
GP-Jackson #4-18-18	GP-Jackson #4-18-18 (PWB)	Slot #39	Mineral Resources MRI	73.01	360.89	360.89	71.49	393.70	37.18	787.40
GP-Dairy #1-19-19	GP-Dairy #1-19-19 (PWB)	Slot #52	Mineral Resources MRI	83.62	574.15	574.15	81.76	590.55	38.47	869.42
GP-Jackson #3-18-18	GP-Jackson #3-18-18 (PWB)	Slot #38	Mineral Resources MRI	85.00	360.89	360.89	83.49	393.70	41.99	820.21
Sunnyview #E4	Sunnyview #E4 (AWB)	Sunnyview #E4	Mineral Resources MRI	94.52	2334.01	2334.01	82.10	2427.82	4.29	2870.73
GP-Dairy #2-19-20	GP-Dairy #2-19-20 (PWB)	Slot #53	Mineral Resources MRI	95.56	579.86	579.86	93.69	606.96	43.22	885.83
GP-Jackson #2-18-18	GP-Jackson #2-18-18 (PWB)	Slot #37	Mineral Resources MRI	97.01	360.89	360.89	95.49	410.10	42.09	3937.01
Tri Point #E3	Tri Point #E3 (AWB)	Tri Point #E3	Mineral Resources MRI	98.19	3093.49	3093.49	62.50	3051.18	2.68	3001.97
GP-Dairy #3-19-20	GP-Dairy #3-19-20 (PWB)	Slot #54	Mineral Resources MRI	107.50	593.88	593.88	105.60	623.36	48.40	885.83
GP-Jackson #1-18-18	GP-Jackson #1-18-18 (PWB)	Slot #36	Mineral Resources MRI	109.01	360.89	360.89	107.49	410.10	43.40	3756.56
GP-Dairy #4-19-20	GP-Dairy #4-19-20 (PWB)	Slot #55	Mineral Resources MRI	119.45	607.06	607.06	117.53	623.36	54.01	885.83
GP-Alles #3-18-18	GP-Alles #3-18-18 (PWB)	Slot #35	Mineral Resources MRI	121.01	360.89	360.89	119.49	410.10	45.81	3576.12
GP-Dairy #4-19-20	GP-Dairy #4-19-20 (PWB)	Slot #56	Mineral Resources MRI	131.41	600.36	600.36	129.52	600.36	60.09	885.83
GP-Alles #2-18-18	GP-Alles #2-18-18 (PWB)	Slot #34	Mineral Resources MRI	133.01	360.89	360.89	131.49	410.10	56.39	3215.22
GP-Library #1-19-20	GP-Library #1-19-20 (PWB)	Slot #57	Mineral Resources MRI	143.50	550.53	550.53	141.70	557.74	66.57	885.83
CDOT-2 #D7	CDOT-2 #D7 (AWB)	CDOT-2 #D7	Mineral Resources MRI	195.01	393.70	393.70	192.40	426.51	21.65	2509.84
Commerce Center 4 #20-2H5	Commerce Center 4 #20-2H5 (AWB)	Commerce Center 4 #20-2H5	MRI Offsets	196.14	1722.44	1722.44	189.46	1722.44	28.43	1804.46

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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]
CDOT-3 #D2	CDOT-3 #D2 (AWB)	CDOT-3 #D2	Mineral Resources MRI	209.52	442.91	442.91	206.81	475.72	47.76	1279.53
Ehrlich Motors #D8	Ehrlich Motors #D8 (AWB)	Ehrlich Motors #D8	Mineral Resources MRI	224.40	442.91	442.91	223.08	450.00	18.78	5282.15
Sleep Inn #E5	Sleep Inn #E5 (AWB)	Sleep Inn #E5	Mineral Resources MRI	237.02	0.00	0.00	235.90	49.21	36.07	2624.67
CDOT-1 #E2	CDOT-1 #E2 (AWB)	CDOT-1 #E2	Mineral Resources MRI	271.13	1755.25	1755.25	254.45	1870.08	13.82	2198.16
University Square #D6	University Square #D6 (AWB)	University Square #D6	Mineral Resources MRI	320.51	16.40	16.40	318.74	311.68	14.43	4800.00
Garden City #D5	Garden City #D5 (AWB)	Garden City #D5	Mineral Resources MRI	339.43	11.58	11.58	337.64	246.06	38.74	3362.86
University 5 Spot #D4	University 5 Spot #D4 (AWB)	University 5 Spot #D4	Mineral Resources MRI	394.30	229.66	229.66	392.74	262.47	26.92	2919.95
Wheeler #D3	Wheeler #D3 (AWB)	Wheeler #D3	Mineral Resources MRI	401.90	197.52	197.52	400.37	213.25	34.87	2378.61
Driftwood #D1	Driftwood #D1 (AWB)	Driftwood #D1	Mineral Resources MRI	409.98	0.00	350.00	408.80	49.21	48.20	2500.00
Classic Lanes #C9	Classic Lanes #C9 (AWB)	Classic Lanes #C9	Mineral Resources MRI	413.34	0.00	0.00	412.10	100.00	43.07	2198.16
District Six #C6	District Six #C6 (AWB)	District Six #C6	Mineral Resources MRI	423.76	200.00	200.00	422.22	229.66	92.27	1804.46
Volk #C7	Volk #C7 (AWB)	Volk #C7	Mineral Resources MRI	424.59	0.00	0.00	423.49	32.81	61.82	2099.74
Union Pacific #C5	Union Pacific #C5 (AWB)	Union Pacific #C5	Mineral Resources MRI	432.88	164.04	164.04	431.35	180.45	112.55	1755.25
HWY 85-3 #C4	HWY 85-3 #C4 (AWB)	HWY 85-3 #C4	Mineral Resources MRI	445.01	116.91	116.91	443.71	147.64	133.38	1820.87
Countryside Center #C3	Countryside Center #C3 (AWB)	Countryside Center #C3	Mineral Resources MRI	449.87	0.58	0.58	448.86	32.81	147.64	1550.00
BMC #B8	BMC #B8 (AWB)	BMC #B8	Mineral Resources MRI	567.50	0.58	0.58	565.85	131.23	79.69	2312.99
Millers Green House #A10	Millers Green House #A10 (AWB)	Millers Green House #A10	Mineral Resources MRI	575.29	2.58	2.58	573.55	246.06	193.86	1427.17
Riverview #A9	Riverview #A9 (AWB)	Riverview #A9	Mineral Resources MRI	578.22	360.89	360.89	575.68	360.89	192.74	885.83
Greeley Industrial	Greeley Industrial	Greeley Industrial	Mineral Resources	584.61	350.00	350.00	582.83	360.89	104.78	1952.10

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Clearance Summary										
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South #B9	South #B9 (AWB)	South #B9	MRI							
HWY 34-2 #A8	HWY 34-2 #A8 (AWB)	HWY 34-2 #A8	Mineral Resources MRI	587.44	1.58	1.58	585.86	131.23	192.13	885.83
HWY 34-1 #A7	HWY 34-1 #A7 (AWB)	HWY 34-1 #A7	Mineral Resources MRI	595.64	1.58	1.58	593.83	200.00	183.83	885.83
Shupe 5 Spot #B10	Shupe 5 Spot #B10 (AWB)	Shupe 5 Spot #B10	Mineral Resources MRI	602.85	350.00	350.00	601.07	360.89	191.94	1952.10
Highway 85-2 #B-11	Highway 85-2 #B-11 (AWB)	Highway 85-2 #B-11	Mineral Resources MRI	620.35	311.68	311.68	618.32	311.68	147.40	1640.42
Sam Pak #A6	Sam Pak #A6 (AWB)	Sam Pak #A6	Mineral Resources MRI	627.88	4.58	4.58	626.10	300.00	251.71	885.83
Bus Barn #A5	Bus Barn #A5 (AWB)	Bus Barn #A5	Mineral Resources MRI	635.70	4.58	4.58	633.74	300.00	169.79	1361.55
Highway 85-1 #B12	Highway 85-1 #B12 (AWB)	Highway 85-1 #B12	Mineral Resources MRI	639.42	350.00	350.00	637.64	360.89	237.35	1804.46
Smith 5 Spot #A4	Smith 5 Spot #A4 (AWB)	Smith 5 Spot #A4	Mineral Resources MRI	648.44	3.58	3.58	646.75	147.64	206.47	885.83
Parkview South #A3	Parkview South #A3 (AWB)	Parkview South #A3	Mineral Resources MRI	661.92	4.58	4.58	660.45	147.64	266.38	1394.36
Delta Park #A2	Delta Park #A2 (AWB)	Delta Park #A2	Mineral Resources MRI	671.73	204.58	204.58	670.04	204.58	178.12	1377.95
Clark #A1	Clark #A1 (AWB)	Clark #A1	Mineral Resources MRI	686.51	4.58	4.58	684.74	229.66	130.31	1771.65
Commerce Center 3 #20-1H5	Commerce Center 3 #20-1H5 (AWB)	Commerce Center 3 #20-1H5	MRI Offsets	744.94	350.00	350.00	742.47	360.89	214.71	1525.59
GG-Toddys #1-13-12	GG-Toddys #1-13-12 (PWB)	Slot #9	Gallery Green, Rev. 01	908.33	13058.28	13058.28	836.19	13058.28	12.59	13058.28

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