

<- True Vertical Depth (feet)



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: CS-Scott #1-1-12 (PWB)

| Wellhead Details | | | | | | | |
|------------------|--------------|--------------|----------------|-----------------|--------|-------|-----------------------|
| Name | Northing | Easting | Latitude | Longitude | North | East | Elevation Above Inst. |
| Slot #31 | 1403485.5154 | 3216213.2793 | N40 26 18.1320 | W104 43 23.6280 | 18.14S | 8.51E | -0.00 |

| Declination | | | |
|-------------|----------------------------|-------|--|
| Date | Source | Time | |
| 17-Jan-2013 | IGRF Model [1900.0-2015.0] | 11:43 | |

| Site Details | | | | |
|--------------|--------------|--------------|--------------------------------------------|-----------------|
| Name | Northing | Easting | Coord System Name | North Alignment |
| C Street Pad | 1403503.6566 | 3216204.7695 | 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 |
| 16.00 | 0.00 | 0.000 | 16.00 | 0.00N | 0.00E | | 0.00 | 1403485.52 | 3216213.28 |
| 866.00 | 0.00 | 0.000 | 866.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 2157.80 | 25.84 | 273.420 | 2114.46 | 17.08N | 285.84W | 2.00 | 69.51 | 1403502.59 | 3215927.45 |
| 6549.27 | 25.84 | 273.420 | 6066.98 | 131.23N | 2196.22W | ==> | 534.10 | 1403616.74 | 3214017.15 |
| 8075.06 | 90.00 | 179.870 | 6950.00 | 824.34S | 2620.72W | 6.00 | 1573.04 | 1402661.21 | 3213592.66 |
| 12920.53 | 90.00 | 179.870 | 6950.00 | 5669.80S | 2609.42W | ==> | 6191.62 | 1397815.94 | 3213603.97 |
| 12951.50 | 90.00 | 179.250 | 6950.00 | 5700.77S | 2609.18W | 2.00 | 6221.09 | 1397784.98 | 3213604.21 |
| 15437.96 | 90.00 | 179.250 | 6950.00 | 8187.01S | 2576.50W | ==> | 8582.86 | 1395298.83 | 3213636.88 |

| 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 | 1403485.52 | 3216213.28 |
| 16.00 | 0.00 | 0.000 | 16.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 100.00 | 0.00 | 0.000 | 100.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 200.00 | 0.00 | 0.000 | 200.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 300.00 | 0.00 | 0.000 | 300.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 400.00 | 0.00 | 0.000 | 400.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 500.00 | 0.00 | 0.000 | 500.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 600.00 | 0.00 | 0.000 | 600.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 700.00 | 0.00 | 0.000 | 700.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 800.00 | 0.00 | 0.000 | 800.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 850.00 | 0.00 | 0.000 | 850.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 866.00 | 0.00 | 0.000 | 866.00 | 0.00N | 0.00E | ==> | 0.00 | 1403485.52 | 3216213.28 |
| 950.00 | 1.68 | 273.420 | 949.99 | 0.07N | 1.23W | 2.00 | 0.30 | 1403485.59 | 3216212.05 |
| 1050.00 | 3.68 | 273.420 | 1049.87 | 0.35N | 5.90W | 2.00 | 1.43 | 1403485.87 | 3216207.38 |
| 1150.00 | 5.68 | 273.420 | 1149.54 | 0.84N | 14.04W | 2.00 | 3.41 | 1403486.35 | 3216199.24 |
| 1250.00 | 7.68 | 273.420 | 1248.85 | 1.53N | 25.65W | 2.00 | 6.24 | 1403487.05 | 3216187.63 |
| 1350.00 | 9.68 | 273.420 | 1347.70 | 2.43N | 40.72W | 2.00 | 9.90 | 1403487.95 | 3216172.57 |
| 1450.00 | 11.68 | 273.420 | 1445.96 | 3.54N | 59.21W | 2.00 | 14.40 | 1403489.05 | 3216154.07 |
| 1550.00 | 13.68 | 273.420 | 1543.52 | 4.85N | 81.12W | 2.00 | 19.73 | 1403490.36 | 3216132.16 |
| 1650.00 | 15.68 | 273.420 | 1640.25 | 6.36N | 106.42W | 2.00 | 25.88 | 1403491.87 | 3216106.86 |
| 1750.00 | 17.68 | 273.420 | 1736.04 | 8.07N | 135.07W | 2.00 | 32.85 | 1403493.59 | 3216078.21 |
| 1850.00 | 19.68 | 273.420 | 1830.77 | 9.98N | 167.04W | 2.00 | 40.62 | 1403495.50 | 3216046.25 |
| 1950.00 | 21.68 | 273.420 | 1924.32 | 12.09N | 202.29W | 2.00 | 49.20 | 1403497.60 | 3216011.00 |
| 2050.00 | 23.68 | 273.420 | 2016.58 | 14.39N | 240.78W | 2.00 | 58.56 | 1403499.90 | 3215972.51 |
| 2150.00 | 25.68 | 273.420 | 2107.44 | 16.88N | 282.46W | 2.00 | 68.69 | 1403502.39 | 3215930.83 |
| 2157.80 | 25.84 | 273.420 | 2114.46 | 17.08N | 285.84W | 2.00 | 69.51 | 1403502.59 | 3215927.45 |
| 2200.00 | 25.84 | 273.420 | 2152.45 | 18.18N | 304.20W | ==> | 73.98 | 1403503.69 | 3215909.09 |
| 2300.00 | 25.84 | 273.420 | 2242.45 | 20.78N | 347.70W | ==> | 84.56 | 1403506.29 | 3215865.59 |
| 2400.00 | 25.84 | 273.420 | 2332.46 | 23.38N | 391.20W | ==> | 95.14 | 1403508.89 | 3215822.09 |
| 2500.00 | 25.84 | 273.420 | 2422.46 | 25.98N | 434.70W | ==> | 105.72 | 1403511.49 | 3215778.59 |
| 2600.00 | 25.84 | 273.420 | 2512.47 | 28.57N | 478.21W | ==> | 116.30 | 1403514.09 | 3215735.09 |
| 2700.00 | 25.84 | 273.420 | 2602.47 | 31.17N | 521.71W | ==> | 126.88 | 1403516.69 | 3215691.59 |
| 2800.00 | 25.84 | 273.420 | 2692.47 | 33.77N | 565.21W | ==> | 137.45 | 1403519.29 | 3215648.09 |
| 2900.00 | 25.84 | 273.420 | 2782.48 | 36.37N | 608.71W | ==> | 148.03 | 1403521.89 | 3215604.59 |
| 3000.00 | 25.84 | 273.420 | 2872.48 | 38.97N | 652.21W | ==> | 158.61 | 1403524.49 | 3215561.09 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Bottom hole distance is 8582.86 Feet on azimuth 197.47 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 21-May-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: CS-Scott #1-1-12 (PWB)

| Interpolated Wellpath | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|----------|-----------------------|-------------------------|------------|------------|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Northing | Easting |
| 3100.00 | 25.84 | 273.420 | 2962.49 | 41.57N | 695.72W | ==> | 169.19 | 1403527.09 | 3215517.59 |
| 3200.00 | 25.84 | 273.420 | 3052.49 | 44.17N | 739.22W | ==> | 179.77 | 1403529.69 | 3215474.09 |
| 3300.00 | 25.84 | 273.420 | 3142.50 | 46.77N | 782.72W | ==> | 190.35 | 1403532.28 | 3215430.59 |
| 3400.00 | 25.84 | 273.420 | 3232.50 | 49.37N | 826.22W | ==> | 200.93 | 1403534.88 | 3215387.09 |
| 3500.00 | 25.84 | 273.420 | 3322.51 | 51.97N | 869.72W | ==> | 211.51 | 1403537.48 | 3215343.59 |
| 3600.00 | 25.84 | 273.420 | 3412.51 | 54.57N | 913.23W | ==> | 222.09 | 1403540.08 | 3215300.09 |
| 3700.00 | 25.84 | 273.420 | 3502.52 | 57.17N | 956.73W | ==> | 232.67 | 1403542.68 | 3215256.59 |
| 3800.00 | 25.84 | 273.420 | 3592.52 | 59.77N | 1000.23W | ==> | 243.25 | 1403545.28 | 3215213.09 |
| 3900.00 | 25.84 | 273.420 | 3682.52 | 62.37N | 1043.73W | ==> | 253.83 | 1403547.88 | 3215169.59 |
| 4000.00 | 25.84 | 273.420 | 3772.53 | 64.97N | 1087.23W | ==> | 264.41 | 1403550.48 | 3215126.09 |
| 4100.00 | 25.84 | 273.420 | 3862.53 | 67.57N | 1130.74W | ==> | 274.99 | 1403553.08 | 3215082.59 |
| 4200.00 | 25.84 | 273.420 | 3952.54 | 70.17N | 1174.24W | ==> | 285.57 | 1403555.68 | 3215039.09 |
| 4300.00 | 25.84 | 273.420 | 4042.54 | 72.77N | 1217.74W | ==> | 296.15 | 1403558.28 | 3214995.59 |
| 4400.00 | 25.84 | 273.420 | 4132.55 | 75.36N | 1261.24W | ==> | 306.72 | 1403560.88 | 3214952.09 |
| 4500.00 | 25.84 | 273.420 | 4222.55 | 77.96N | 1304.74W | ==> | 317.30 | 1403563.48 | 3214908.59 |
| 4600.00 | 25.84 | 273.420 | 4312.56 | 80.56N | 1348.25W | ==> | 327.88 | 1403566.08 | 3214865.09 |
| 4700.00 | 25.84 | 273.420 | 4402.56 | 83.16N | 1391.75W | ==> | 338.46 | 1403568.68 | 3214821.59 |
| 4800.00 | 25.84 | 273.420 | 4492.57 | 85.76N | 1435.25W | ==> | 349.04 | 1403571.27 | 3214778.09 |
| 4900.00 | 25.84 | 273.420 | 4582.57 | 88.36N | 1478.75W | ==> | 359.62 | 1403573.87 | 3214734.59 |
| 5000.00 | 25.84 | 273.420 | 4672.57 | 90.96N | 1522.26W | ==> | 370.20 | 1403576.47 | 3214691.08 |
| 5100.00 | 25.84 | 273.420 | 4762.58 | 93.56N | 1565.76W | ==> | 380.78 | 1403579.07 | 3214647.58 |
| 5200.00 | 25.84 | 273.420 | 4852.58 | 96.16N | 1609.26W | ==> | 391.36 | 1403581.67 | 3214604.08 |
| 5300.00 | 25.84 | 273.420 | 4942.59 | 98.76N | 1652.76W | ==> | 401.94 | 1403584.27 | 3214560.58 |
| 5400.00 | 25.84 | 273.420 | 5032.59 | 101.36N | 1696.26W | ==> | 412.52 | 1403586.87 | 3214517.08 |
| 5500.00 | 25.84 | 273.420 | 5122.60 | 103.96N | 1739.77W | ==> | 423.10 | 1403589.47 | 3214473.58 |
| 5600.00 | 25.84 | 273.420 | 5212.60 | 106.56N | 1783.27W | ==> | 433.68 | 1403592.07 | 3214430.08 |
| 5700.00 | 25.84 | 273.420 | 5302.61 | 109.16N | 1826.77W | ==> | 444.26 | 1403594.67 | 3214386.58 |
| 5800.00 | 25.84 | 273.420 | 5392.61 | 111.76N | 1870.27W | ==> | 454.84 | 1403597.27 | 3214343.08 |
| 5900.00 | 25.84 | 273.420 | 5482.61 | 114.36N | 1913.77W | ==> | 465.42 | 1403599.87 | 3214299.58 |
| 6000.00 | 25.84 | 273.420 | 5572.62 | 116.96N | 1957.28W | ==> | 476.00 | 1403602.47 | 3214256.08 |
| 6100.00 | 25.84 | 273.420 | 5662.62 | 119.56N | 2000.78W | ==> | 486.57 | 1403605.07 | 3214212.58 |
| 6200.00 | 25.84 | 273.420 | 5752.63 | 122.15N | 2044.28W | ==> | 497.15 | 1403607.67 | 3214169.08 |
| 6300.00 | 25.84 | 273.420 | 5842.63 | 124.75N | 2087.78W | ==> | 507.73 | 1403610.26 | 3214125.58 |
| 6400.00 | 25.84 | 273.420 | 5932.64 | 127.35N | 2131.28W | ==> | 518.31 | 1403612.86 | 3214082.08 |
| 6500.00 | 25.84 | 273.420 | 6022.64 | 129.95N | 2174.79W | ==> | 528.89 | 1403615.46 | 3214038.58 |
| 6549.27 | 25.84 | 273.420 | 6066.98 | 131.23N | 2196.22W | ==> | 534.10 | 1403616.74 | 3214017.15 |
| 6600.00 | 25.83 | 266.430 | 6112.66 | 131.21N | 2218.29W | 6.00 | 540.76 | 1403616.72 | 3213995.08 |
| 6700.00 | 26.79 | 253.040 | 6202.38 | 123.27N | 2261.63W | 6.00 | 561.34 | 1403608.78 | 3213951.74 |
| 6800.00 | 28.89 | 240.990 | 6290.87 | 104.96N | 2304.35W | 6.00 | 591.63 | 1403590.47 | 3213909.02 |
| 6900.00 | 31.92 | 230.730 | 6377.16 | 76.48N | 2345.99W | 6.00 | 631.29 | 1403561.99 | 3213867.39 |
| 7000.00 | 35.64 | 222.240 | 6460.31 | 38.14N | 2386.08W | 6.00 | 679.90 | 1403523.66 | 3213827.29 |
| 7100.00 | 39.85 | 215.250 | 6539.40 | 9.64S | 2424.19W | 6.00 | 736.91 | 1403475.88 | 3213789.18 |
| 7200.00 | 44.41 | 209.430 | 6613.57 | 66.33S | 2459.90W | 6.00 | 801.71 | 1403419.19 | 3213753.47 |
| 7300.00 | 49.22 | 204.500 | 6682.01 | 131.32S | 2492.83W | 6.00 | 873.58 | 1403354.20 | 3213720.55 |
| 7400.00 | 54.21 | 200.260 | 6743.96 | 203.89S | 2522.60W | 6.00 | 951.74 | 1403281.64 | 3213690.78 |
| 7500.00 | 59.33 | 196.520 | 6798.75 | 283.24S | 2548.89W | 6.00 | 1035.33 | 1403202.28 | 3213664.49 |
| 7600.00 | 64.55 | 193.160 | 6845.78 | 368.52S | 2571.42W | 6.00 | 1123.44 | 1403117.01 | 3213641.96 |
| 7700.00 | 69.84 | 190.090 | 6884.53 | 458.77S | 2589.93W | 6.00 | 1215.09 | 1403026.76 | 3213623.45 |
| 7800.00 | 75.18 | 187.210 | 6914.58 | 553.03S | 2604.23W | 6.00 | 1309.29 | 1402932.51 | 3213609.15 |
| 7900.00 | 80.55 | 184.480 | 6935.59 | 650.24S | 2614.16W | 6.00 | 1405.00 | 1402835.30 | 3213599.22 |
| 8000.00 | 85.95 | 181.830 | 6947.35 | 749.35S | 2619.61W | 6.00 | 1501.18 | 1402736.19 | 3213593.77 |
| 8075.06 | 90.00 | 179.870 | 6950.00 | 824.34S | 2620.72W | 6.00 | 1573.04 | 1402661.21 | 3213592.66 |
| 8100.00 | 90.00 | 179.870 | 6950.00 | 849.28S | 2620.66W | ==> | 1596.81 | 1402636.27 | 3213592.72 |
| 8200.00 | 90.00 | 179.870 | 6950.00 | 949.28S | 2620.43W | ==> | 1692.13 | 1402536.28 | 3213592.96 |
| 8300.00 | 90.00 | 179.870 | 6950.00 | 1049.28S | 2620.19W | ==> | 1787.44 | 1402436.28 | 3213593.19 |
| 8400.00 | 90.00 | 179.870 | 6950.00 | 1149.28S | 2619.96W | ==> | 1882.76 | 1402336.28 | 3213593.42 |
| 8500.00 | 90.00 | 179.870 | 6950.00 | 1249.28S | 2619.73W | ==> | 1978.08 | 1402236.29 | 3213593.66 |
| 8600.00 | 90.00 | 179.870 | 6950.00 | 1349.28S | 2619.49W | ==> | 2073.40 | 1402136.29 | 3213593.89 |
| 8700.00 | 90.00 | 179.870 | 6950.00 | 1449.28S | 2619.26W | ==> | 2168.71 | 1402036.30 | 3213594.12 |
| 8800.00 | 90.00 | 179.870 | 6950.00 | 1549.28S | 2619.03W | ==> | 2264.03 | 1401936.30 | 3213594.36 |
| 8900.00 | 90.00 | 179.870 | 6950.00 | 1649.28S | 2618.80W | ==> | 2359.35 | 1401836.30 | 3213594.59 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Bottom hole distance is 8582.86 Feet on azimuth 197.47 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 21-May-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: CS-Scott #1-1-12 (PWB)

| Interpolated Wellpath | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|----------|-----------------------|-------------------------|------------|------------|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Northing | Easting |
| 9000.00 | 90.00 | 179.870 | 6950.00 | 1749.28S | 2618.56W | ==> | 2454.67 | 1401736.31 | 3213594.82 |
| 9100.00 | 90.00 | 179.870 | 6950.00 | 1849.28S | 2618.33W | ==> | 2549.98 | 1401636.31 | 3213595.05 |
| 9200.00 | 90.00 | 179.870 | 6950.00 | 1949.28S | 2618.10W | ==> | 2645.30 | 1401536.32 | 3213595.29 |
| 9300.00 | 90.00 | 179.870 | 6950.00 | 2049.28S | 2617.86W | ==> | 2740.62 | 1401436.32 | 3213595.52 |
| 9400.00 | 90.00 | 179.870 | 6950.00 | 2149.27S | 2617.63W | ==> | 2835.94 | 1401336.33 | 3213595.75 |
| 9500.00 | 90.00 | 179.870 | 6950.00 | 2249.27S | 2617.40W | ==> | 2931.26 | 1401236.33 | 3213595.99 |
| 9600.00 | 90.00 | 179.870 | 6950.00 | 2349.27S | 2617.16W | ==> | 3026.57 | 1401136.33 | 3213596.22 |
| 9700.00 | 90.00 | 179.870 | 6950.00 | 2449.27S | 2616.93W | ==> | 3121.89 | 1401036.34 | 3213596.45 |
| 9800.00 | 90.00 | 179.870 | 6950.00 | 2549.27S | 2616.70W | ==> | 3217.21 | 1400936.34 | 3213596.69 |
| 9900.00 | 90.00 | 179.870 | 6950.00 | 2649.27S | 2616.46W | ==> | 3312.53 | 1400836.35 | 3213596.92 |
| 10000.00 | 90.00 | 179.870 | 6950.00 | 2749.27S | 2616.23W | ==> | 3407.84 | 1400736.35 | 3213597.15 |
| 10100.00 | 90.00 | 179.870 | 6950.00 | 2849.27S | 2616.00W | ==> | 3503.16 | 1400636.36 | 3213597.39 |
| 10200.00 | 90.00 | 179.870 | 6950.00 | 2949.27S | 2615.76W | ==> | 3598.48 | 1400536.36 | 3213597.62 |
| 10300.00 | 90.00 | 179.870 | 6950.00 | 3049.27S | 2615.53W | ==> | 3693.80 | 1400436.36 | 3213597.85 |
| 10400.00 | 90.00 | 179.870 | 6950.00 | 3149.27S | 2615.30W | ==> | 3789.11 | 1400336.37 | 3213598.09 |
| 10500.00 | 90.00 | 179.870 | 6950.00 | 3249.27S | 2615.06W | ==> | 3884.43 | 1400236.37 | 3213598.32 |
| 10600.00 | 90.00 | 179.870 | 6950.00 | 3349.27S | 2614.83W | ==> | 3979.75 | 1400136.38 | 3213598.55 |
| 10700.00 | 90.00 | 179.870 | 6950.00 | 3449.27S | 2614.60W | ==> | 4075.07 | 1400036.38 | 3213598.79 |
| 10800.00 | 90.00 | 179.870 | 6950.00 | 3549.27S | 2614.36W | ==> | 4170.38 | 1399936.39 | 3213599.02 |
| 10900.00 | 90.00 | 179.870 | 6950.00 | 3649.27S | 2614.13W | ==> | 4265.70 | 1399836.39 | 3213599.25 |
| 11000.00 | 90.00 | 179.870 | 6950.00 | 3749.27S | 2613.90W | ==> | 4361.02 | 1399736.39 | 3213599.49 |
| 11100.00 | 90.00 | 179.870 | 6950.00 | 3849.27S | 2613.66W | ==> | 4456.34 | 1399636.40 | 3213599.72 |
| 11200.00 | 90.00 | 179.870 | 6950.00 | 3949.27S | 2613.43W | ==> | 4551.65 | 1399536.40 | 3213599.95 |
| 11300.00 | 90.00 | 179.870 | 6950.00 | 4049.27S | 2613.20W | ==> | 4646.97 | 1399436.41 | 3213600.19 |
| 11400.00 | 90.00 | 179.870 | 6950.00 | 4149.27S | 2612.96W | ==> | 4742.29 | 1399336.41 | 3213600.42 |
| 11500.00 | 90.00 | 179.870 | 6950.00 | 4249.27S | 2612.73W | ==> | 4837.61 | 1399236.42 | 3213600.65 |
| 11600.00 | 90.00 | 179.870 | 6950.00 | 4349.27S | 2612.50W | ==> | 4932.93 | 1399136.42 | 3213600.89 |
| 11700.00 | 90.00 | 179.870 | 6950.00 | 4449.27S | 2612.26W | ==> | 5028.24 | 1399036.42 | 3213601.12 |
| 11800.00 | 90.00 | 179.870 | 6950.00 | 4549.27S | 2612.03W | ==> | 5123.56 | 1398936.43 | 3213601.35 |
| 11900.00 | 90.00 | 179.870 | 6950.00 | 4649.27S | 2611.80W | ==> | 5218.88 | 1398836.43 | 3213601.59 |
| 12000.00 | 90.00 | 179.870 | 6950.00 | 4749.27S | 2611.56W | ==> | 5314.20 | 1398736.44 | 3213601.82 |
| 12100.00 | 90.00 | 179.870 | 6950.00 | 4849.27S | 2611.33W | ==> | 5409.51 | 1398636.44 | 3213602.05 |
| 12200.00 | 90.00 | 179.870 | 6950.00 | 4949.27S | 2611.10W | ==> | 5504.83 | 1398536.45 | 3213602.29 |
| 12300.00 | 90.00 | 179.870 | 6950.00 | 5049.27S | 2610.86W | ==> | 5600.15 | 1398436.45 | 3213602.52 |
| 12400.00 | 90.00 | 179.870 | 6950.00 | 5149.27S | 2610.63W | ==> | 5695.47 | 1398336.45 | 3213602.75 |
| 12500.00 | 90.00 | 179.870 | 6950.00 | 5249.27S | 2610.40W | ==> | 5790.78 | 1398236.46 | 3213602.99 |
| 12600.00 | 90.00 | 179.870 | 6950.00 | 5349.27S | 2610.16W | ==> | 5886.10 | 1398136.46 | 3213603.22 |
| 12700.00 | 90.00 | 179.870 | 6950.00 | 5449.27S | 2609.93W | ==> | 5981.42 | 1398036.47 | 3213603.45 |
| 12800.00 | 90.00 | 179.870 | 6950.00 | 5549.27S | 2609.70W | ==> | 6076.74 | 1397936.47 | 3213603.68 |
| 12900.00 | 90.00 | 179.870 | 6950.00 | 5649.27S | 2609.47W | ==> | 6172.05 | 1397836.47 | 3213603.92 |
| 12920.53 | 90.00 | 179.870 | 6950.00 | 5669.80S | 2609.42W | ==> | 6191.62 | 1397815.94 | 3213603.97 |
| 12951.50 | 90.00 | 179.250 | 6950.00 | 5700.77S | 2609.18W | 2.00 | 6221.09 | 1397784.98 | 3213604.21 |
| 13000.00 | 90.00 | 179.250 | 6950.00 | 5749.26S | 2608.54W | ==> | 6267.16 | 1397736.48 | 3213604.84 |
| 13100.00 | 90.00 | 179.250 | 6950.00 | 5849.25S | 2607.23W | ==> | 6362.14 | 1397636.50 | 3213606.16 |
| 13200.00 | 90.00 | 179.250 | 6950.00 | 5949.24S | 2605.91W | ==> | 6457.13 | 1397536.51 | 3213607.47 |
| 13300.00 | 90.00 | 179.250 | 6950.00 | 6049.23S | 2604.60W | ==> | 6552.12 | 1397436.52 | 3213608.79 |
| 13400.00 | 90.00 | 179.250 | 6950.00 | 6149.23S | 2603.28W | ==> | 6647.10 | 1397336.53 | 3213610.10 |
| 13500.00 | 90.00 | 179.250 | 6950.00 | 6249.22S | 2601.97W | ==> | 6742.09 | 1397236.55 | 3213611.41 |
| 13600.00 | 90.00 | 179.250 | 6950.00 | 6349.21S | 2600.65W | ==> | 6837.07 | 1397136.56 | 3213612.73 |
| 13700.00 | 90.00 | 179.250 | 6950.00 | 6449.20S | 2599.34W | ==> | 6932.06 | 1397036.57 | 3213614.04 |
| 13800.00 | 90.00 | 179.250 | 6950.00 | 6549.19S | 2598.03W | ==> | 7027.04 | 1396936.59 | 3213615.36 |
| 13900.00 | 90.00 | 179.250 | 6950.00 | 6649.18S | 2596.71W | ==> | 7122.03 | 1396836.60 | 3213616.67 |
| 14000.00 | 90.00 | 179.250 | 6950.00 | 6749.17S | 2595.40W | ==> | 7217.01 | 1396736.61 | 3213617.99 |
| 14100.00 | 90.00 | 179.250 | 6950.00 | 6849.17S | 2594.08W | ==> | 7312.00 | 1396636.62 | 3213619.30 |
| 14200.00 | 90.00 | 179.250 | 6950.00 | 6949.16S | 2592.77W | ==> | 7406.98 | 1396536.64 | 3213620.61 |
| 14300.00 | 90.00 | 179.250 | 6950.00 | 7049.15S | 2591.45W | ==> | 7501.97 | 1396436.65 | 3213621.93 |
| 14400.00 | 90.00 | 179.250 | 6950.00 | 7149.14S | 2590.14W | ==> | 7596.95 | 1396336.66 | 3213623.24 |
| 14500.00 | 90.00 | 179.250 | 6950.00 | 7249.13S | 2588.83W | ==> | 7691.94 | 1396236.67 | 3213624.56 |
| 14600.00 | 90.00 | 179.250 | 6950.00 | 7349.12S | 2587.51W | ==> | 7786.92 | 1396136.69 | 3213625.87 |
| 14700.00 | 90.00 | 179.250 | 6950.00 | 7449.11S | 2586.20W | ==> | 7881.91 | 1396036.70 | 3213627.18 |
| 14800.00 | 90.00 | 179.250 | 6950.00 | 7549.10S | 2584.88W | ==> | 7976.89 | 1395936.71 | 3213628.50 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Bottom hole distance is 8582.86 Feet on azimuth 197.47 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 21-May-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: CS-Scott #1-1-12 (PWB)

| Interpolated Wellpath | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|----------|-----------------------|-------------------------|------------|------------|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Northing | Easting |
| 14900.00 | 90.00 | 179.250 | 6950.00 | 7649.10S | 2583.57W | ==> | 8071.88 | 1395836.72 | 3213629.81 |
| 15000.00 | 90.00 | 179.250 | 6950.00 | 7749.09S | 2582.25W | ==> | 8166.86 | 1395736.74 | 3213631.13 |
| 15100.00 | 90.00 | 179.250 | 6950.00 | 7849.08S | 2580.94W | ==> | 8261.85 | 1395636.75 | 3213632.44 |
| 15200.00 | 90.00 | 179.250 | 6950.00 | 7949.07S | 2579.63W | ==> | 8356.83 | 1395536.76 | 3213633.76 |
| 15300.00 | 90.00 | 179.250 | 6950.00 | 8049.06S | 2578.31W | ==> | 8451.82 | 1395436.77 | 3213635.07 |
| 15400.00 | 90.00 | 179.250 | 6950.00 | 8149.05S | 2577.00W | ==> | 8546.80 | 1395336.79 | 3213636.38 |
| 15437.96 | 90.00 | 179.250 | 6950.00 | 8187.01S | 2576.50W | ==> | 8582.86 | 1395298.83 | 3213636.88 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Bottom hole distance is 8582.86 Feet on azimuth 197.47 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 21-May-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: CS-Scott #1-1-12 (PWB)

| Hole Sections | | | | | | | | |
|---------------|---------|---------|-----------|----------|----------|---------|-----------|----------|
| Diameter | Start | Start | Start | Start | End | End | End | End |
| [in] | MD[ft] | TVD[ft] | North[ft] | East[ft] | MD[ft] | TVD[ft] | North[ft] | East[ft] |
| 12 1/4 | 16.00 | 16.00 | 0.00N | 0.00E | 500.00 | 500.00 | 0.00N | 0.00E |
| 8 3/4 | 500.00 | 500.00 | 0.00N | 0.00E | 8075.00 | 6950.00 | 824.28S | 2620.72W |
| 6 1/8 | 8075.00 | 6950.00 | 824.28S | 2620.72W | 15437.96 | 6950.00 | 8187.01S | 2576.50W |

| Casings | | | | | | | | |
|---------------------------|---------|---------|-----------|----------|----------|---------|-----------|----------|
| Name | Top | Top | Top | Top | Shoe | Shoe | Shoe | Shoe |
| | MD[ft] | TVD[ft] | North[ft] | East[ft] | MD[ft] | TVD[ft] | North[ft] | East[ft] |
| 9 5/8in Surface Casing | 0.00 | | | | 500.00 | 500.00 | 0.00N | 0.00E |
| 7.0in Intermediate Casing | 0.00 | | | | 8075.00 | 6950.00 | 824.28S | 2620.72W |
| 4 1/2in Production Liner | 6600.00 | 6112.66 | 131.21N | 2218.29W | 15437.96 | 6950.00 | 8187.01S | 2576.50W |

| Targets | | | | | | | | |
|---------|-----------|----------|---------|----------------|-----------------|------------|------------|--------------|
| Name | North[ft] | East[ft] | TVD[ft] | Latitude | Longitude | Northing | Easting | Last Revised |
| CS51 | 824.34S | 2620.72W | 6950.00 | N40 26 10.2120 | W104 43 57.6120 | 1402661.21 | 3213592.66 | 15-Mar-2013 |
| CS52 | 8187.01S | 2576.50W | 6950.00 | N40 24 57.4560 | W104 43 57.8640 | 1395298.83 | 3213636.88 | 15-Mar-2013 |
| CS53 | 5669.80S | 2609.42W | 6950.00 | N40 25 22.3320 | W104 43 58.0080 | 1397815.94 | 3213603.97 | 15-Mar-2013 |

| Survey Tool Program | | | | | | |
|---------------------|-------------|----------|---------|---------------|-------------|--|
| Reference | Survey Name | MD[ft] | TVD[ft] | Survey Tool | Error Model | |
| 33043 | Planned | 15437.96 | 6950.00 | 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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Bottom hole distance is 8582.86 Feet on azimuth 197.47 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Peterson Energy
Date Printed: 21-May-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: CS-Scott #1-1-12 (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
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 |
| CS-Scott #1-1-12 (PWB) | 8-Apr-2013 | 11-Apr-2013 |

| Well | | |
|------------------|---------------|--------------|
| Name | Government ID | Last Revised |
| CS-Scott #1-1-12 | | 8-Apr-2013 |

| Slot | | | | | | |
|----------|---------------|--------------|----------------|-----------------|--------|-------|
| Name | Grid Northing | Grid Easting | Latitude | Longitude | North | East |
| Slot #31 | 1403485.5154 | 3216213.2793 | N40 26 18.1320 | W104 43 23.6280 | 18.14S | 8.51E |

| Installation | | | | | |
|--------------|--------------|--------------|--------------------------------------------|-----------------|--|
| Name | Easting | Northing | Coord System Name | North Alignment | |
| C Street Pad | 3216204.7695 | 1403503.6566 | 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] |
| CS-Bittersweet #3-1-12 | CS-Bittersweet #3-1-12 (PWB) | Slot #32 | C Street Pad | 14.39 | 754.19 | 12942.51 | 12.54 | 770.59 | 2.82 | 15437.96 |
| CS-Scott #2-1-12 | CS-Scott #2-1-12 (PWB) | Slot #30 | C Street Pad | 16.70 | 869.02 | 7184.64 | 14.67 | 869.02 | 2.78 | 15437.96 |
| CS-Scott #3-1-12 | CS-Scott #3-1-12 (PWB) | Slot #29 | C Street Pad | 33.41 | 869.02 | 15437.96 | 31.37 | 869.02 | 4.57 | 15419.54 |
| CS-Scott #4-1-12 | CS-Scott #4-1-12 (PWB) | Slot #28 | C Street Pad | 47.32 | 869.02 | 12951.50 | 45.29 | 869.02 | 7.04 | 15437.96 |
| CS-Scott #5-1-12 | CS-Scott #5-1-12 (PWB) | Slot #27 | C Street Pad | 64.03 | 869.02 | 869.02 | 61.99 | 869.02 | 9.22 | 15437.96 |
| CS-Sherwood #1-1-12 | CS-Sherwood #1-1-12 (PWB) | Slot #26 | C Street Pad | 80.73 | 869.02 | 15437.96 | 78.70 | 869.02 | 11.57 | 15435.95 |
| CS-Bestway #1-1-2 | CS-Bestway #1-1-2 (PWB) | Slot #8 | C Street Pad | 96.07 | 7640.00 | 7640.00 | 66.57 | 7660.36 | 2.75 | 7693.17 |
| CS-Sherwood #2-1-12 | CS-Sherwood #2-1-12 (PWB) | Slot #25 | C Street Pad | 97.43 | 869.02 | 869.02 | 95.40 | 869.02 | 13.80 | 15437.96 |
| CS-Sherwood #3-1-12 | CS-Sherwood #3-1-12 (PWB) | Slot #24 | C Street Pad | 111.35 | 869.02 | 15437.96 | 109.32 | 869.02 | 16.09 | 15435.95 |
| CS-Kinkadee #1-1-12 | CS-Kinkadee #1-1-12 | Slot #23 | C Street Pad | 128.05 | 869.02 | 15437.96 | 126.02 | 869.02 | 18.31 | 15435.95 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Prepared by Peterson Energy
Date Printed: 21-May-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: CS-Scott #1-1-12 (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] |
| | (PWB) | | | | | | | | | |
| CS-Kinkade #2-1-12 | CS-Kinkade #2-1-12 (PWB) | Slot #22 | C Street Pad | 144.75 | 869.02 | 15437.96 | 142.72 | 869.02 | 20.64 | 15437.96 |
| CS-Kinkade #3-1-12 | CS-Kinkade #3-1-12 (PWB) | Slot #21 | C Street Pad | 161.45 | 869.02 | 15437.96 | 159.42 | 869.02 | 22.90 | 15437.96 |
| CS-Kinkade #4-1-12 | CS-Kinkade #4-1-12 (PWB) | Slot #20 | C Street Pad | 175.37 | 866.00 | 15437.96 | 173.34 | 866.00 | 25.23 | 15437.96 |
| CS-Kinkade #5-1-12 | CS-Kinkade #5-1-12 (PWB) | Slot #19 | C Street Pad | 192.07 | 754.19 | 15437.96 | 190.21 | 770.59 | 27.48 | 15437.96 |
| CS-Longmeadow #1-1-12 | CS-Longmeadow #1-1-12 (PWB) | Slot #18 | C Street Pad | 208.77 | 655.76 | 15437.96 | 207.09 | 672.17 | 29.83 | 15437.96 |
| CS-Longmeadow #2-1-12 | CS-Longmeadow #2-1-12 (PWB) | Slot #17 | C Street Pad | 225.47 | 557.34 | 15437.96 | 223.79 | 491.72 | 32.09 | 15437.96 |
| Poudre Trail 5 2-2-1 | Poudre Trail 5 2-2-1 (AWB) | Poudre Trail 5 2-2-1 | Bestway Pad Offsets | 303.48 | 8902.82 | 8902.82 | 244.41 | 8857.86 | 4.38 | 8743.03 |
| GG-Centennial #5-13-12 | GG-Centennial #5-13-12 (PWB) | Slot #54 | Gallery Green | 401.22 | 15437.96 | 15437.96 | 347.11 | 15437.96 | 7.41 | 15437.96 |
| GG-Centennial #4-13-12 | GG-Centennial #4-13-12 (PWB) | Slot #53 | Gallery Green | 470.56 | 15437.96 | 15437.96 | 353.65 | 15437.96 | 4.02 | 15437.96 |
| GG-Rangeview #1-13-12 | GG-Rangeview #1-13-12 (PWB) | Slot #55 | Gallery Green | 476.48 | 15437.96 | 15437.96 | 360.43 | 15437.96 | 4.11 | 15437.96 |
| Franklin Park 2-6-1 | Franklin Park 2-6-1 (AWB) | Franklin Park 2-6-1 | Bestway Pad Offsets | 550.30 | 11695.79 | 11695.79 | 454.14 | 11728.60 | 5.58 | 11810.62 |
| Bestway 12-2 | Bestway 12-2 (AWB) | Bestway 12-2 | Bestway Pad Offsets | 707.37 | 8956.29 | 8956.29 | 659.61 | 9005.50 | 12.14 | 9316.00 |
| GG-Centennial #3-13-12 | GG-Centennial #3-13-12 (PWB) | Slot #52 | Gallery Green | 768.62 | 15437.96 | 15437.96 | 625.97 | 15437.96 | 5.39 | 15437.96 |
| GG-Centennial #2-13-12 | GG-Centennial #2-13-12 (PWB) | Slot #51 | Gallery Green | 1042.42 | 15437.96 | 15437.96 | 886.54 | 15437.96 | 6.69 | 15437.96 |
| LUNDVALL #5 | LUNDVALL #5 (AWB) | LUNDVALL #5 | Bestway Pad Offsets | 1294.13 | 8305.44 | 8305.44 | 1258.41 | 8332.93 | 30.16 | 8972.69 |
| Stoney 7-1-2 | Stoney 7-1-2 (AWB) | Stoney 7-1-2 | Bestway Pad Offsets | 1314.96 | 8157.01 | 8157.01 | 1260.84 | 8185.29 | 21.59 | 8677.42 |
| Ruyle 7-3-2 | Ruyle 7-3-2 (AWB) | Ruyle 7-3-2 | Bestway Pad Offsets | 1331.80 | 9494.07 | 9494.07 | 1287.87 | 9530.44 | 25.88 | 10104.58 |
| GG-Centennial #1-13-12 | GG-Centennial #1-13-12 (PWB) | Slot #50 | Gallery Green | 1375.28 | 15437.96 | 15437.96 | 1217.38 | 15437.96 | 8.71 | 15437.96 |
| GG-Mariner #3-13-12 | GG-Mariner #3-13-12 (PWB) | Slot #49 | Gallery Green | 1680.07 | 15437.96 | 15437.96 | 1519.09 | 15437.96 | 10.44 | 15437.96 |
| GG-Mariner #2-13-12 | GG-Mariner #2-13-12 | Slot #48 | Gallery | 2055.55 | 15437.96 | 15437.96 | 1894.19 | 15437.96 | 12.74 | 15437.96 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Prepared by Peterson Energy
Date Printed: 21-May-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: CS-Scott #1-1-12 (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] |
| r #2-13-12 | (PWB) | | Green | | | | | | | |
| Bestway 6-11 | Bestway 6-11 (AWB) | Bestway 6-11 | Bestway Pad Offsets | 2099.65 | 10826.37 | 10826.37 | 1984.55 | 15437.96 | 10.54 | 15437.96 |
| GG-Mariner #1-13-12 | GG-Mariner #1-13-12 (PWB) | Slot #47 | Gallery Green | 2374.41 | 15437.96 | 15437.96 | 2211.90 | 15437.96 | 14.61 | 15437.96 |
| Ditch 5-1-2 | Ditch 5-1-2 (AWB) | Ditch 5-1-2 | Bestway Pad Offsets | 2670.54 | 8175.67 | 8175.67 | 2615.35 | 8185.29 | 45.86 | 8972.69 |
| GG-Cottonwood 5-13-12 | GG-Cottonwood #5-13-12 (PWB) | Slot #46 | Gallery Green | 2713.74 | 15437.96 | 15437.96 | 2551.22 | 15437.96 | 16.70 | 15437.96 |
| Johnson 5-3-2 | Johnson 5-3-2 (AWB) | Johnson 5-3-2 | Bestway Pad Offsets | 2756.81 | 9629.55 | 9629.55 | 2710.99 | 9678.07 | 47.17 | 11170.86 |
| GG-Cottonwood #4-13-12 | GG-Cottonwood #4-13-12 (PWB) | Slot #45 | Gallery Green | 3036.89 | 15437.96 | 15437.96 | 2873.80 | 15437.96 | 18.62 | 15437.96 |
| GG-Cottonwood #3-13-12 | GG-Cottonwood #3-13-12 (PWB) | Slot #44 | Gallery Green | 3375.69 | 15437.96 | 15437.96 | 3212.63 | 15437.96 | 20.70 | 15437.96 |
| GG-Cottonwood #2-13-12 | GG-Cottonwood #2-13-12 (PWB) | Slot #43 | Gallery Green | 3701.31 | 15437.96 | 15437.96 | 3537.88 | 15437.96 | 22.65 | 15437.96 |
| GG-Cottonwood #1-13-12 | GG-Cottonwood #1-13-12 (PWB) | Slot #25 | Gallery Green | 4039.59 | 15437.96 | 15437.96 | 3876.31 | 15437.96 | 24.74 | 15437.96 |
| GG-Toddys #2-13-12 | GG-Toddys #2-13-12 (PWB) | Slot #27 | Gallery Green | 4366.77 | 15437.96 | 15437.96 | 4203.26 | 15437.96 | 26.71 | 15437.96 |
| Westmoor 5 2-6-2 | Westmoor 5 2-6-2 (AWB) | Westmoor 5 2-6-2 | Bestway Pad Offsets | 4562.66 | 11376.11 | 11376.11 | 4481.66 | 11498.94 | 35.98 | 14418.89 |
| DT-Lopez #1-5-6 | DT-Lopez #1-5-6 (PWB) | Slot #3 | Downtown | 4691.69 | 5347.61 | 5347.61 | 4668.89 | 5347.61 | 93.19 | 12253.53 |
| GG-Toddys #1-13-12 | GG-Toddys #1-13-12 (PWB) | Slot #28 | Gallery Green | 4710.92 | 15437.96 | 15437.96 | 4547.42 | 15437.96 | 28.81 | 15437.96 |
| DT-Lopez #2-5-6 | DT-Lopez #2-5-6 (PWB) | Slot #5 | Downtown | 4802.71 | 5478.60 | 5478.60 | 4776.33 | 5474.15 | 92.99 | 12565.21 |
| DT-Habitat #1-5-6 | DT-Habitat #1-5-6 (PWB) | Slot #6 | Downtown | 4804.53 | 5330.96 | 8316.00 | 4773.20 | 5330.96 | 93.04 | 12876.89 |
| DT-Habitat #2-5-6 | DT-Habitat #2-5-6 (PWB) | Slot #7 | Downtown | 4955.82 | 5462.19 | 8639.53 | 4918.53 | 5462.19 | 92.79 | 13254.19 |
| DT-Habitat #3-5-6 | DT-Habitat #3-5-6 (PWB) | Slot #8 | Downtown | 5000.94 | 5316.00 | 8960.12 | 4957.74 | 5316.00 | 92.76 | 13565.87 |
| DT-Habitat #5-5-6 | DT-Habitat #5-5-6 (PWB) | Slot #10 | Downtown | 5141.09 | 9604.97 | 9604.97 | 5100.87 | 9579.65 | 92.20 | 14156.42 |
| DT-Martinez #2-5-6 | DT-Martinez #2-5-6 (PWB) | Slot #19 | Downtown | 5142.54 | 10253.46 | 10253.46 | 5093.35 | 10219.41 | 84.91 | 6183.98 |
| DT-Martinez #1-5-6 | DT-Martinez #1-5-6 (PWB) | Slot #11 | Downtown | 5144.85 | 9929.23 | 9929.23 | 5099.61 | 9891.33 | 89.19 | 6282.40 |
| DT-Habitat #4-5-6 | DT-Habitat #4-5-6 (PWB) | Slot #9 | Downtown | 5146.21 | 9284.37 | 9284.37 | 5110.27 | 9267.97 | 92.37 | 13861.14 |
| DT-Forbes #1-5-6 | DT-Forbes #1-5-6 (PWB) | Slot #21 | Downtown | 5146.77 | 10901.92 | 10901.92 | 5087.30 | 10859.18 | 76.07 | 8972.69 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Prepared by Peterson Energy
Date Printed: 21-May-2013



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: CS-Scott #1-1-12 (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] |
| DT-Martinez #3-5-6 | DT-Martinez #3-5-6 (PWB) | Slot #20 | Downtown | 5149.03 | 10570.40 | 10570.40 | 5094.73 | 10531.09 | 81.83 | 8480.57 |
| DT-Forbes #2-5-6 | DT-Forbes #2-5-6 (PWB) | Slot #22 | Downtown | 5153.36 | 11236.47 | 11236.47 | 5088.41 | 11187.26 | 71.03 | 9448.41 |
| DT-Forbes #3-5-6 | DT-Forbes #3-5-6 (PWB) | Slot #23 | Downtown | 5153.90 | 11568.58 | 11568.58 | 5083.58 | 11531.75 | 66.45 | 9891.33 |
| MT-Maplewood #5-8-7 | MT-Maplewood #5-8-7 (PWB) | Slot #6 | Midtown | 5156.90 | 15175.29 | 15175.29 | 5067.71 | 15255.50 | 55.77 | 15437.96 |
| DT-Forbes #5-5-6 | DT-Forbes #5-5-6 (PWB) | Slot #25 | Downtown | 5158.26 | 12237.13 | 12237.13 | 5076.87 | 12187.92 | 58.73 | 10760.75 |
| MT-Maplewood #3-8-7 | MT-Maplewood #3-8-7 (PWB) | Slot #4 | Midtown | 5159.54 | 14428.59 | 14428.59 | 5071.66 | 14517.31 | 51.07 | 15437.96 |
| DT-Forbes #4-5-6 | DT-Forbes #4-5-6 (PWB) | Slot #24 | Downtown | 5160.49 | 11900.10 | 11900.10 | 5084.56 | 11859.83 | 62.42 | 10350.65 |
| MT-Heath #1-8-7 | MT-Heath #1-8-7 (PWB) | Slot #7 | Midtown | 5161.18 | 15437.96 | 15437.96 | 5072.81 | 15437.96 | 58.40 | 15437.96 |
| MT-Maplewood #1-8-7 | MT-Maplewood #1-8-7 (PWB) | Slot #2 | Midtown | 5162.18 | 13681.88 | 13681.88 | 5075.17 | 13779.12 | 48.72 | 15437.96 |
| MT-Maplewood #4-8-7 | MT-Maplewood #4-8-7 (PWB) | Slot #5 | Midtown | 5162.63 | 14801.94 | 14801.94 | 5074.04 | 14878.20 | 53.14 | 15437.96 |
| MT-Luther #2-8-7 | MT-Luther #2-8-7 (PWB) | Slot #37 | Midtown | 5164.66 | 12899.30 | 12955.13 | 5078.18 | 13040.93 | 48.21 | 15321.12 |
| DT-Luther #1-5-6 | DT-Luther #1-5-6 (PWB) | Slot #26 | Downtown | 5164.84 | 12566.78 | 12566.78 | 5077.82 | 12516.00 | 55.50 | 11170.86 |
| MT-Maplewood #2-8-7 | MT-Maplewood #2-8-7 (PWB) | Slot #3 | Midtown | 5165.27 | 14057.99 | 14057.99 | 5077.77 | 14140.02 | 49.64 | 15437.96 |
| MT-Luther #3-8-7 | MT-Luther #3-8-7 (PWB) | Slot #1 | Midtown | 5167.91 | 13308.53 | 13308.53 | 5081.14 | 13401.83 | 48.35 | 15437.96 |
| MT-Heath #2-8-7 | MT-Heath #2-8-7 (PWB) | Slot #8 | Midtown | 5176.93 | 15437.96 | 15437.96 | 5089.83 | 15437.96 | 59.43 | 15437.96 |
| MT-Heath #3-8-7 | MT-Heath #3-8-7 (PWB) | Slot #9 | Midtown | 5226.46 | 15437.96 | 15437.96 | 5135.38 | 15437.96 | 57.38 | 15437.96 |
| MT-Glenfair #1-8-7 | MT-Glenfair #1-8-7 (PWB) | Slot #10 | Midtown | 5294.17 | 15437.96 | 15437.96 | 5196.77 | 15437.96 | 54.36 | 15437.96 |
| MT-Glenfair #2-8-7 | MT-Glenfair #2-8-7 (PWB) | Slot #11 | Midtown | 5395.24 | 15437.96 | 15437.96 | 5290.63 | 15437.96 | 51.57 | 15437.96 |
| MT-Glenfair #3-8-7 | MT-Glenfair #3-8-7 (PWB) | Slot #12 | Midtown | 5511.32 | 15437.96 | 15437.96 | 5400.00 | 15437.96 | 49.51 | 15437.96 |
| MT-Glenfair #4-8-7 | MT-Glenfair #4-8-7 (PWB) | Slot #13 | Midtown | 5657.62 | 15437.96 | 15437.96 | 5539.90 | 15437.96 | 48.06 | 15437.96 |
| MT-Glenfair #5-8-7 | MT-Glenfair #5-8-7 (PWB) | Slot #14 | Midtown | 5816.19 | 15437.96 | 15437.96 | 5692.86 | 15437.96 | 47.16 | 15437.96 |
| SRC GCC 12-11D | SRC GCC 12-11D (AWB) | SRC GCC 12-11D | Sheep Draw Offsets | 5817.14 | 15416.00 | 15416.00 | 5743.66 | 15437.96 | 79.09 | 15437.96 |
| SRC GCC 11-11D | SRC GCC 11-11D | SRC GCC 11-11D | Sheep Draw Offsets | 5870.84 | 14129.76 | 14129.76 | 5808.66 | 14205.63 | 78.52 | 15437.96 |

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 4682.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 197.470 degrees
Prepared by Peterson Energy
Date Printed: 21-May-2013