

Well Report



Company : Shell Exploration and Production Co.
 Well : Starks and Masner 3307 #30-1H Actual
 Location : Harper Co. Kansas
 Reference: Grid North

Page: 1
 Date : 5/18/2012
 File : OK12035

License : 15-077-21755-01-00

Vertical Section Calculated Along Azimuth 181.90°

| | MD | Inc | Azi | TVD | North | East | V'Sect | D'Leg | Build | Turn |
|----|---------|------|--------|---------|--------|--------|--------|-------|-------|--------|
| | ft | deg | deg | ft | ft | ft | ft | %100 | %100 | %100 |
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 145.00 | 0.60 | 119.80 | 145.00 | -0.38 | 0.66 | 0.36 | 0.41 | 0.41 | 82.62 |
| 2 | 207.00 | 0.40 | 131.90 | 206.99 | -0.68 | 1.10 | 0.65 | 0.36 | -0.32 | 19.52 |
| 3 | 232.00 | 0.60 | 140.10 | 231.99 | -0.84 | 1.25 | 0.80 | 0.85 | 0.80 | 32.80 |
| 4 | 263.00 | 0.80 | 113.80 | 262.99 | -1.05 | 1.55 | 1.00 | 1.20 | 0.65 | -84.84 |
| 5 | 293.00 | 0.70 | 138.30 | 292.99 | -1.28 | 1.87 | 1.21 | 1.11 | -0.33 | 81.67 |
| 6 | 324.00 | 0.60 | 165.10 | 323.99 | -1.57 | 2.03 | 1.51 | 1.02 | -0.32 | 86.45 |
| 7 | 355.00 | 0.80 | 179.30 | 354.99 | -1.95 | 2.08 | 1.88 | 0.85 | 0.65 | 45.81 |
| 8 | 385.00 | 1.00 | 181.60 | 384.98 | -2.42 | 2.07 | 2.35 | 0.68 | 0.67 | 7.67 |
| 9 | 416.00 | 1.60 | 191.30 | 415.97 | -3.11 | 1.98 | 3.05 | 2.05 | 1.94 | 31.29 |
| 10 | 477.00 | 2.30 | 195.90 | 476.94 | -5.12 | 1.48 | 5.07 | 1.17 | 1.15 | 7.54 |
| 11 | 508.00 | 3.00 | 193.90 | 507.90 | -6.51 | 1.11 | 6.47 | 2.28 | 2.26 | -6.45 |
| 12 | 569.00 | 3.40 | 192.80 | 568.81 | -9.82 | 0.33 | 9.81 | 0.66 | 0.66 | -1.80 |
| 13 | 600.00 | 3.60 | 192.90 | 599.75 | -11.67 | -0.09 | 11.67 | 0.65 | 0.65 | 0.32 |
| 14 | 661.00 | 3.90 | 192.80 | 660.62 | -15.56 | -0.98 | 15.58 | 0.49 | 0.49 | -0.16 |
| 15 | 692.00 | 3.90 | 192.80 | 691.55 | -17.61 | -1.45 | 17.65 | 0.00 | 0.00 | 0.00 |
| 16 | 753.00 | 4.00 | 196.60 | 752.40 | -21.68 | -2.51 | 21.75 | 0.46 | 0.16 | 6.23 |
| 17 | 784.00 | 4.00 | 196.10 | 783.33 | -23.75 | -3.12 | 23.84 | 0.11 | 0.00 | -1.61 |
| 18 | 901.00 | 4.00 | 198.60 | 900.04 | -31.54 | -5.56 | 31.71 | 0.15 | 0.00 | 2.14 |
| 19 | 996.00 | 3.80 | 198.60 | 994.82 | -37.66 | -7.62 | 37.90 | 0.21 | -0.21 | 0.00 |
| 20 | 1092.00 | 3.10 | 197.90 | 1090.65 | -43.15 | -9.43 | 43.44 | 0.73 | -0.73 | -0.73 |
| 21 | 1188.00 | 3.10 | 198.10 | 1186.51 | -48.09 | -11.03 | 48.43 | 0.01 | 0.00 | 0.21 |
| 22 | 1282.00 | 1.60 | 208.30 | 1280.43 | -51.66 | -12.44 | 52.04 | 1.65 | -1.60 | 10.85 |
| 23 | 1378.00 | 1.70 | 210.10 | 1376.39 | -54.07 | -13.79 | 54.50 | 0.12 | 0.10 | 1.87 |
| 24 | 1473.00 | 1.60 | 207.40 | 1471.35 | -56.47 | -15.11 | 56.94 | 0.13 | -0.11 | -2.84 |
| 25 | 1567.00 | 1.70 | 214.10 | 1565.31 | -58.79 | -16.50 | 59.30 | 0.23 | 0.11 | 7.13 |
| 26 | 1662.00 | 0.60 | 146.30 | 1660.29 | -60.37 | -17.01 | 60.90 | 1.66 | -1.16 | -71.37 |
| 27 | 1754.00 | 0.90 | 124.80 | 1752.28 | -61.18 | -16.15 | 61.68 | 0.44 | 0.33 | -23.37 |
| 28 | 1846.00 | 0.60 | 106.40 | 1844.28 | -61.73 | -15.10 | 62.20 | 0.41 | -0.33 | -20.00 |
| 29 | 1938.00 | 0.80 | 86.60 | 1936.27 | -61.83 | -13.99 | 62.26 | 0.34 | 0.22 | -21.52 |
| 30 | 2030.00 | 0.70 | 96.60 | 2028.26 | -61.85 | -12.79 | 62.24 | 0.18 | -0.11 | 10.87 |
| 31 | 2122.00 | 1.10 | 272.70 | 2120.26 | -61.88 | -13.12 | 62.28 | 1.96 | 0.43 | 191.41 |
| 32 | 2214.00 | 1.30 | 263.60 | 2212.24 | -61.95 | -15.04 | 62.42 | 0.30 | 0.22 | -9.89 |
| 33 | 2308.00 | 0.80 | 350.10 | 2306.23 | -61.42 | -16.21 | 61.93 | 1.58 | -0.53 | 92.02 |
| 34 | 2403.00 | 0.80 | 356.70 | 2401.22 | -60.11 | -16.36 | 60.62 | 0.10 | 0.00 | 6.95 |

Well Report



Company : Shell Exploration and Production Co.
 Well : Starks and Masner 3307 #30-1H Actual
 Location : Harper Co. Kansas
 Reference: Grid North

Page: 2
 Date : 5/18/2012
 File : OK12035

License : 15-077-21755-01-00

Vertical Section Calculated Along Azimuth 181.90°

| | KB Elevation = 1409.76ft | | | | GR. Elevation = 1384.00ft | | | | | | |
|----|--------------------------|-------|--------|---------|---------------------------|--------|--------|-------|-------|--------|--|
| | MD | Inc | Azi | TVD | North | East | V'Sect | D'Leg | Build | Turn | |
| | ft | deg | deg | ft | ft | ft | ft | %100 | %100 | %100 | |
| 35 | 2497.00 | 0.70 | 337.40 | 2495.21 | -58.92 | -16.62 | 59.44 | 0.29 | -0.11 | -20.53 | |
| 36 | 2593.00 | 1.00 | 76.30 | 2591.20 | -58.18 | -16.03 | 58.68 | 1.36 | 0.31 | 103.02 | |
| 37 | 2688.00 | 1.50 | 78.40 | 2686.18 | -57.74 | -14.01 | 58.17 | 0.53 | 0.53 | 2.21 | |
| 38 | 2782.00 | 0.60 | 102.80 | 2780.16 | -57.60 | -12.32 | 57.97 | 1.05 | -0.96 | 25.96 | |
| 39 | 2877.00 | 1.50 | 164.40 | 2875.15 | -58.91 | -11.50 | 59.25 | 1.39 | 0.95 | 64.84 | |
| 40 | 2972.00 | 1.50 | 169.80 | 2970.11 | -61.33 | -10.95 | 61.66 | 0.15 | 0.00 | 5.68 | |
| 41 | 3067.00 | 1.40 | 166.30 | 3065.08 | -63.68 | -10.45 | 63.99 | 0.14 | -0.11 | -3.68 | |
| 42 | 3161.00 | 1.20 | 155.60 | 3159.06 | -65.69 | -9.77 | 65.98 | 0.33 | -0.21 | -11.38 | |
| 43 | 3256.00 | 1.10 | 164.40 | 3254.04 | -67.47 | -9.12 | 67.74 | 0.21 | -0.11 | 9.26 | |
| 44 | 3350.00 | 0.80 | 158.90 | 3348.03 | -68.96 | -8.64 | 69.20 | 0.33 | -0.32 | -5.85 | |
| 45 | 3445.00 | 0.90 | 168.80 | 3443.02 | -70.31 | -8.26 | 70.54 | 0.19 | 0.11 | 10.42 | |
| 46 | 3540.00 | 0.70 | 161.90 | 3538.01 | -71.59 | -7.93 | 71.81 | 0.23 | -0.21 | -7.26 | |
| 47 | 3635.00 | 0.70 | 146.90 | 3633.00 | -72.63 | -7.43 | 72.83 | 0.19 | 0.00 | -15.79 | |
| 48 | 3729.00 | 0.60 | 201.10 | 3727.00 | -73.57 | -7.30 | 73.77 | 0.64 | -0.11 | 57.66 | |
| 49 | 3793.00 | 0.50 | 175.30 | 3790.99 | -74.16 | -7.39 | 74.36 | 0.41 | -0.16 | -40.31 | |
| 50 | 3824.00 | 0.70 | 188.60 | 3821.99 | -74.48 | -7.41 | 74.69 | 0.78 | 0.65 | 42.90 | |
| 51 | 3856.00 | 2.50 | 190.40 | 3853.98 | -75.36 | -7.57 | 75.57 | 5.63 | 5.62 | 5.63 | |
| 52 | 3887.00 | 4.90 | 184.40 | 3884.91 | -77.35 | -7.79 | 77.56 | 7.83 | 7.74 | -19.35 | |
| 53 | 3919.00 | 8.00 | 188.80 | 3916.70 | -80.91 | -8.24 | 81.14 | 9.80 | 9.69 | 13.75 | |
| 54 | 3950.00 | 10.70 | 186.10 | 3947.29 | -85.90 | -8.87 | 86.15 | 8.82 | 8.71 | -8.71 | |
| 55 | 3982.00 | 12.70 | 184.80 | 3978.62 | -92.36 | -9.48 | 92.63 | 6.30 | 6.25 | -4.06 | |
| 56 | 4013.00 | 14.40 | 183.60 | 4008.76 | -99.61 | -10.01 | 99.88 | 5.56 | 5.48 | -3.87 | |
| 57 | 4045.00 | 16.00 | 182.10 | 4039.64 | -107.99 | -10.42 | 108.27 | 5.15 | 5.00 | -4.69 | |
| 58 | 4076.00 | 18.20 | 180.90 | 4069.27 | -117.10 | -10.65 | 117.39 | 7.19 | 7.10 | -3.87 | |
| 59 | 4108.00 | 20.70 | 181.90 | 4099.44 | -127.75 | -10.92 | 128.04 | 7.88 | 7.81 | 3.12 | |
| 60 | 4140.00 | 23.20 | 183.10 | 4129.12 | -139.70 | -11.45 | 140.00 | 7.94 | 7.81 | 3.75 | |
| 61 | 4171.00 | 26.40 | 184.40 | 4157.25 | -152.67 | -12.31 | 152.99 | 10.47 | 10.32 | 4.19 | |
| 62 | 4203.00 | 29.00 | 186.30 | 4185.59 | -167.48 | -13.70 | 167.84 | 8.58 | 8.13 | 5.94 | |
| 63 | 4234.00 | 31.40 | 186.30 | 4212.38 | -182.97 | -15.42 | 183.38 | 7.74 | 7.74 | 0.00 | |
| 64 | 4266.00 | 33.90 | 186.30 | 4239.32 | -200.13 | -17.31 | 200.60 | 7.81 | 7.81 | 0.00 | |
| 65 | 4298.00 | 36.20 | 184.90 | 4265.51 | -218.42 | -19.10 | 218.93 | 7.61 | 7.19 | -4.38 | |
| 66 | 4329.00 | 38.40 | 182.10 | 4290.17 | -237.17 | -20.23 | 237.71 | 8.96 | 7.10 | -9.03 | |
| 67 | 4361.00 | 40.00 | 180.30 | 4314.97 | -257.38 | -20.65 | 257.93 | 6.13 | 5.00 | -5.63 | |
| 68 | 4392.00 | 42.20 | 179.30 | 4338.33 | -277.76 | -20.57 | 278.29 | 7.41 | 7.10 | -3.23 | |
| 69 | 4424.00 | 44.70 | 178.90 | 4361.56 | -299.76 | -20.23 | 300.27 | 7.86 | 7.81 | -1.25 | |

Well Report



Company : Shell Exploration and Production Co.
 Well : Starks and Masner 3307 #30-1H Actual
 Location : Harper Co. Kansas
 Reference: Grid North

Page: 3
 Date : 5/18/2012
 File : OK12035

License : 15-077-21755-01-00

Vertical Section Calculated Along Azimuth 181.90°

| | KB Elevation = 1409.76ft | | | | GR. Elevation = 1384.00ft | | | | | |
|-----|--------------------------|-------|--------|---------|---------------------------|--------|---------|-------|-------|-------|
| | MD | Inc | Azi | TVD | North | East | V'Sect | D'Leg | Build | Turn |
| | ft | deg | deg | ft | ft | ft | ft | %100 | %100 | %100 |
| 70 | 4455.00 | 47.60 | 179.60 | 4383.03 | -322.11 | -19.94 | 322.60 | 9.50 | 9.35 | 2.26 |
| 71 | 4487.00 | 49.70 | 180.60 | 4404.17 | -346.13 | -19.98 | 346.61 | 6.97 | 6.56 | 3.13 |
| 72 | 4519.00 | 52.00 | 183.60 | 4424.38 | -370.93 | -20.90 | 371.42 | 10.22 | 7.19 | 9.37 |
| 73 | 4550.00 | 54.40 | 185.10 | 4442.95 | -395.67 | -22.79 | 396.21 | 8.66 | 7.74 | 4.84 |
| 74 | 4582.00 | 56.40 | 185.10 | 4461.12 | -421.91 | -25.13 | 422.51 | 6.25 | 6.25 | 0.00 |
| 75 | 4613.00 | 57.20 | 184.80 | 4478.09 | -447.75 | -27.37 | 448.41 | 2.70 | 2.58 | -0.97 |
| 76 | 4645.00 | 57.50 | 184.40 | 4495.36 | -474.61 | -29.53 | 475.33 | 1.41 | 0.94 | -1.25 |
| 77 | 4677.00 | 58.10 | 184.30 | 4512.41 | -501.61 | -31.58 | 502.38 | 1.89 | 1.87 | -0.31 |
| 78 | 4740.00 | 60.50 | 184.90 | 4544.57 | -555.60 | -35.93 | 556.49 | 3.90 | 3.81 | 0.95 |
| 79 | 4772.00 | 61.20 | 184.60 | 4560.16 | -583.45 | -38.25 | 584.40 | 2.34 | 2.19 | -0.94 |
| 80 | 4803.00 | 63.00 | 184.30 | 4574.66 | -610.76 | -40.37 | 611.77 | 5.87 | 5.81 | -0.97 |
| 81 | 4835.00 | 64.80 | 183.80 | 4588.74 | -639.43 | -42.40 | 640.48 | 5.80 | 5.62 | -1.56 |
| 82 | 4866.00 | 66.90 | 183.30 | 4601.42 | -667.66 | -44.15 | 668.76 | 6.93 | 6.77 | -1.61 |
| 83 | 4898.00 | 69.50 | 182.80 | 4613.31 | -697.33 | -45.73 | 698.46 | 8.25 | 8.13 | -1.56 |
| 84 | 4929.00 | 71.50 | 182.40 | 4623.65 | -726.52 | -47.05 | 727.68 | 6.57 | 6.45 | -1.29 |
| 85 | 4961.00 | 73.40 | 181.80 | 4633.30 | -757.00 | -48.17 | 758.19 | 6.20 | 5.94 | -1.88 |
| 86 | 4992.00 | 75.80 | 181.60 | 4641.53 | -786.88 | -49.06 | 788.07 | 7.77 | 7.74 | -0.65 |
| 87 | 5044.00 | 78.20 | 181.90 | 4653.23 | -837.52 | -50.61 | 838.73 | 4.65 | 4.62 | 0.58 |
| 88 | 5075.00 | 79.50 | 181.90 | 4659.22 | -867.91 | -51.61 | 869.15 | 4.19 | 4.19 | 0.00 |
| 89 | 5107.00 | 80.80 | 181.80 | 4664.70 | -899.42 | -52.63 | 900.68 | 4.07 | 4.06 | -0.31 |
| 90 | 5139.00 | 82.00 | 181.80 | 4669.48 | -931.05 | -53.63 | 932.31 | 3.75 | 3.75 | 0.00 |
| 91 | 5171.00 | 83.90 | 181.80 | 4673.41 | -962.79 | -54.62 | 964.07 | 5.94 | 5.94 | 0.00 |
| 92 | 5202.00 | 86.30 | 181.60 | 4676.06 | -993.66 | -55.54 | 994.96 | 7.77 | 7.74 | -0.65 |
| 93 | 5234.00 | 88.60 | 181.60 | 4677.48 | -1025.61 | -56.43 | 1026.92 | 7.19 | 7.19 | 0.00 |
| 94 | 5265.00 | 89.70 | 180.80 | 4677.94 | -1056.60 | -57.08 | 1057.91 | 4.39 | 3.55 | -2.58 |
| 95 | 5297.00 | 90.10 | 180.80 | 4678.00 | -1088.60 | -57.53 | 1089.91 | 1.25 | 1.25 | 0.00 |
| 96 | 5328.00 | 90.30 | 179.10 | 4677.89 | -1119.60 | -57.50 | 1120.89 | 5.52 | 0.65 | -5.48 |
| 97 | 5360.00 | 90.70 | 179.10 | 4677.61 | -1151.59 | -57.00 | 1152.85 | 1.25 | 1.25 | 0.00 |
| 98 | 5455.00 | 91.30 | 178.60 | 4675.95 | -1246.56 | -55.09 | 1247.70 | 0.82 | 0.63 | -0.53 |
| 99 | 5471.00 | 91.40 | 179.30 | 4675.58 | -1262.55 | -54.80 | 1263.67 | 4.42 | 0.62 | 4.38 |
| 100 | 5535.00 | 89.80 | 179.10 | 4674.91 | -1326.54 | -53.90 | 1327.60 | 2.52 | -2.50 | -0.31 |
| 101 | 5629.00 | 89.50 | 180.60 | 4675.48 | -1420.54 | -53.66 | 1421.53 | 1.63 | -0.32 | 1.60 |
| 102 | 5724.00 | 89.90 | 180.30 | 4675.98 | -1515.53 | -54.40 | 1516.50 | 0.53 | 0.42 | -0.32 |
| 103 | 5818.00 | 89.10 | 180.40 | 4676.80 | -1609.52 | -54.98 | 1610.46 | 0.86 | -0.85 | 0.11 |
| 104 | 5914.00 | 90.50 | 181.10 | 4677.13 | -1705.51 | -56.24 | 1706.44 | 1.63 | 1.46 | 0.73 |

Well Report



Company : Shell Exploration and Production Co.
 Well : Starks and Masner 3307 #30-1H Actual
 Location : Harper Co. Kansas
 Reference: Grid North

Page: 4
 Date : 5/18/2012
 File : OK12035

License : 15-077-21755-01-00

Vertical Section Calculated Along Azimuth 181.90°

KB Elevation = 1409.76ft GR. Elevation = 1384.00ft

| | MD ft | Inc deg | Azi deg | TVD ft | North ft | East ft | V'Sect ft | D'Leg %/100 | Build %/100 | Turn %/100 |
|---------------------------------|----------|------------|------------|-----------|-------------|------------|--------------|----------------|----------------|---------------|
| 105 | 6008.00 | 91.10 | 181.60 | 4675.82 | -1799.48 | -58.45 | 1800.43 | 0.83 | 0.64 | 0.53 |
| 106 | 6103.00 | 90.20 | 182.60 | 4674.74 | -1894.40 | -61.93 | 1895.42 | 1.42 | -0.95 | 1.05 |
| 107 | 6197.00 | 87.10 | 182.80 | 4676.96 | -1988.26 | -66.36 | 1989.37 | 3.30 | -3.30 | 0.21 |
| 108 | 6292.00 | 89.40 | 182.90 | 4679.86 | -2083.09 | -71.08 | 2084.31 | 2.42 | 2.42 | 0.11 |
| 109 | 6387.00 | 90.30 | 183.60 | 4680.11 | -2177.94 | -76.46 | 2179.28 | 1.20 | 0.95 | 0.74 |
| 110 | 6483.00 | 90.80 | 182.80 | 4679.18 | -2273.78 | -81.82 | 2275.25 | 0.98 | 0.52 | -0.83 |
| 111 | 6577.00 | 91.00 | 182.90 | 4677.71 | -2367.66 | -86.50 | 2369.22 | 0.24 | 0.21 | 0.11 |
| 112 | 6672.00 | 89.90 | 182.60 | 4676.96 | -2462.54 | -91.05 | 2464.21 | 1.20 | -1.16 | -0.32 |
| 113 | 6766.00 | 88.50 | 182.30 | 4678.27 | -2556.45 | -95.07 | 2558.19 | 1.52 | -1.49 | -0.32 |
| 114 | 6861.00 | 88.40 | 181.90 | 4680.84 | -2651.35 | -98.55 | 2653.16 | 0.43 | -0.11 | -0.42 |
| 115 | 6955.00 | 89.40 | 182.30 | 4682.65 | -2745.26 | -101.99 | 2747.14 | 1.15 | 1.06 | 0.43 |
| 116 | 7050.00 | 89.20 | 181.60 | 4683.81 | -2840.20 | -105.23 | 2842.13 | 0.77 | -0.21 | -0.74 |
| 117 | 7145.00 | 88.40 | 181.60 | 4685.80 | -2935.14 | -107.88 | 2937.11 | 0.84 | -0.84 | 0.00 |
| 118 | 7239.00 | 89.00 | 181.30 | 4687.93 | -3029.09 | -110.26 | 3031.08 | 0.71 | 0.64 | -0.32 |
| 119 | 7334.00 | 89.10 | 181.10 | 4689.51 | -3124.05 | -112.25 | 3126.06 | 0.24 | 0.11 | -0.21 |
| 120 | 7429.00 | 88.80 | 181.80 | 4691.25 | -3219.01 | -114.65 | 3221.04 | 0.80 | -0.32 | 0.74 |
| 121 | 7523.00 | 86.90 | 180.90 | 4694.77 | -3312.91 | -116.86 | 3314.96 | 2.24 | -2.02 | -0.96 |
| 122 | 7615.00 | 89.50 | 181.40 | 4697.66 | -3404.84 | -118.71 | 3406.90 | 2.88 | 2.83 | 0.54 |
| 123 | 7709.00 | 90.10 | 180.40 | 4697.99 | -3498.82 | -120.19 | 3500.89 | 1.24 | 0.64 | -1.06 |
| 124 | 7804.00 | 91.10 | 180.30 | 4697.00 | -3593.82 | -120.77 | 3595.84 | 1.06 | 1.05 | -0.11 |
| 125 | 7899.00 | 88.50 | 180.60 | 4697.33 | -3688.80 | -121.51 | 3690.80 | 2.75 | -2.74 | 0.32 |
| 126 | 7993.00 | 89.00 | 180.60 | 4699.38 | -3782.78 | -122.50 | 3784.76 | 0.53 | 0.53 | 0.00 |
| 127 | 8088.00 | 90.30 | 180.40 | 4699.96 | -3877.77 | -123.32 | 3879.73 | 1.38 | 1.37 | -0.21 |
| 128 | 8182.00 | 90.50 | 181.10 | 4699.30 | -3971.76 | -124.55 | 3973.70 | 0.77 | 0.21 | 0.74 |
| 129 | 8277.00 | 90.20 | 180.10 | 4698.72 | -4066.75 | -125.55 | 4068.68 | 1.10 | -0.32 | -1.05 |
| 130 | 8372.00 | 89.40 | 182.60 | 4699.05 | -4161.71 | -127.79 | 4163.66 | 2.76 | -0.84 | 2.63 |
| 131 | 8466.00 | 90.20 | 181.80 | 4699.38 | -4255.64 | -131.40 | 4257.66 | 1.20 | 0.85 | -0.85 |
| 132 | 8561.00 | 89.10 | 181.80 | 4699.96 | -4350.59 | -134.38 | 4352.66 | 1.16 | -1.16 | 0.00 |
| 133 | 8656.00 | 89.40 | 181.60 | 4701.21 | -4445.54 | -137.20 | 4447.65 | 0.38 | 0.32 | -0.21 |
| 134 | 8750.00 | 90.60 | 182.30 | 4701.21 | -4539.49 | -140.40 | 4541.65 | 1.48 | 1.28 | 0.74 |
| Projected to Total Depth | | | | | | | | | | |
| EXT | 8798.00 | 90.60 | 182.30 | 4700.70 | -4587.44 | -142.32 | 4589.64 | 0.00 | 0.00 | 0.00 |

Bottom Hole Closure 4589.65ft Along Azimuth 181.78°