



Gyroscopic Survey Report
for
K.P. Kauffman

| | |
|--------------------|------------------------------------------|
| Well Location | Weld County, Colorado |
| Well Name | Pete Montoya #2 |
| Rig Number | KPK 8 |
| Survey Date | 10/30/2014 |
| Latitude | 40.0965480°N |
| Longitude | 104.8606010°W |
| North Reference | True North |
| Grid Correction | None |
| Depth Reference | Ground Level (4951.00 ft) |
| Calculation Method | Minimum Curvature |
| Section (VS) Ref | 0.00N (ft), 0.00E (ft), 271.60Azim (deg) |
| Definitive Survey | PETE MONTOYA #2 (05-123-08963) |
| Operator(s) | Jon Valenzuela |

Well Notes

API-05-123-08963

Survey Report

Well Name: Pete Montoya #2
Survey: PETE MONTOYA #2 (05-123-08963)
Survey Date: 10/30/2014

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | DLS °/100ft | Closure Distance ft | Closure Direction deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|---------------------------|-----------------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Invalid | 0.00 | 0.00 |
| 36.36 | 0.17 | 228.80 | 36.36 | 0.04 | -0.04 | -0.04 | 0.46 | 0.05 | 228.80 |
| 51.54 | 0.14 | 215.10 | 51.54 | 0.07 | -0.07 | -0.07 | 0.30 | 0.09 | 226.08 |
| 75.51 | 0.13 | 196.63 | 75.51 | 0.09 | -0.12 | -0.09 | 0.19 | 0.15 | 218.77 |
| 100.73 | 0.17 | 202.52 | 100.73 | 0.11 | -0.18 | -0.12 | 0.17 | 0.21 | 213.05 |
| 126.31 | 0.11 | 141.34 | 126.31 | 0.11 | -0.23 | -0.11 | 0.59 | 0.26 | 206.21 |
| 151.08 | 0.20 | 132.68 | 151.08 | 0.06 | -0.28 | -0.07 | 0.36 | 0.29 | 193.56 |
| 176.95 | 0.23 | 129.12 | 176.95 | -0.01 | -0.34 | 0.01 | 0.13 | 0.34 | 179.10 |
| 203.27 | 0.22 | 144.62 | 203.27 | -0.09 | -0.42 | 0.07 | 0.23 | 0.42 | 169.81 |
| 227.01 | 0.28 | 144.76 | 227.01 | -0.15 | -0.50 | 0.13 | 0.26 | 0.52 | 165.01 |
| 252.85 | 0.30 | 144.64 | 252.85 | -0.22 | -0.60 | 0.21 | 0.08 | 0.64 | 160.99 |
| 275.78 | 0.32 | 147.03 | 275.78 | -0.30 | -0.71 | 0.28 | 0.11 | 0.76 | 158.56 |
| 300.09 | 0.27 | 153.88 | 300.09 | -0.36 | -0.81 | 0.34 | 0.25 | 0.88 | 157.38 |
| 328.02 | 0.32 | 139.28 | 328.02 | -0.44 | -0.93 | 0.42 | 0.32 | 1.02 | 155.80 |
| 350.03 | 0.27 | 148.78 | 350.02 | -0.51 | -1.02 | 0.49 | 0.31 | 1.13 | 154.59 |
| 375.07 | 0.26 | 145.46 | 375.07 | -0.58 | -1.12 | 0.55 | 0.09 | 1.25 | 153.91 |
| 403.69 | 0.25 | 145.49 | 403.69 | -0.65 | -1.22 | 0.62 | 0.02 | 1.37 | 153.13 |
| 428.22 | 0.24 | 150.60 | 428.21 | -0.71 | -1.31 | 0.68 | 0.09 | 1.48 | 152.76 |
| 450.45 | 0.33 | 150.06 | 450.44 | -0.77 | -1.41 | 0.73 | 0.39 | 1.59 | 152.59 |
| 475.01 | 0.40 | 174.99 | 475.01 | -0.82 | -1.56 | 0.77 | 0.69 | 1.74 | 153.55 |
| 503.62 | 0.37 | 161.73 | 503.62 | -0.86 | -1.74 | 0.81 | 0.32 | 1.92 | 155.03 |
| 528.20 | 0.53 | 152.25 | 528.19 | -0.94 | -1.92 | 0.89 | 0.71 | 2.12 | 155.13 |
| 550.32 | 0.49 | 157.62 | 550.31 | -1.03 | -2.10 | 0.98 | 0.29 | 2.32 | 155.11 |
| 576.24 | 0.53 | 164.12 | 576.23 | -1.11 | -2.32 | 1.05 | 0.26 | 2.55 | 155.63 |
| 602.15 | 0.57 | 164.96 | 602.14 | -1.19 | -2.56 | 1.12 | 0.17 | 2.79 | 156.42 |
| 627.45 | 0.55 | 165.33 | 627.44 | -1.26 | -2.80 | 1.18 | 0.08 | 3.03 | 157.13 |
| 653.36 | 0.29 | 144.38 | 653.35 | -1.33 | -2.97 | 1.25 | 1.13 | 3.22 | 157.18 |
| 675.70 | 0.42 | 147.94 | 675.69 | -1.41 | -3.09 | 1.33 | 0.57 | 3.36 | 156.74 |
| 701.62 | 0.40 | 140.95 | 701.61 | -1.52 | -3.24 | 1.43 | 0.21 | 3.54 | 156.11 |
| 726.93 | 0.40 | 139.94 | 726.92 | -1.64 | -3.37 | 1.55 | 0.04 | 3.71 | 155.37 |
| 752.84 | 0.43 | 144.50 | 752.83 | -1.76 | -3.52 | 1.66 | 0.17 | 3.89 | 154.75 |
| 775.08 | 0.43 | 127.24 | 775.07 | -1.88 | -3.64 | 1.78 | 0.58 | 4.05 | 153.99 |
| 800.99 | 0.44 | 146.90 | 800.97 | -2.01 | -3.78 | 1.91 | 0.57 | 4.24 | 153.23 |
| 826.30 | 0.42 | 152.13 | 826.29 | -2.11 | -3.95 | 2.00 | 0.18 | 4.43 | 153.07 |
| 852.22 | 0.43 | 135.67 | 852.20 | -2.23 | -4.10 | 2.12 | 0.47 | 4.61 | 152.69 |
| 878.13 | 0.43 | 172.31 | 878.11 | -2.32 | -4.27 | 2.20 | 1.05 | 4.80 | 152.74 |

Survey Report

Well Name: Pete Montoya #2
Survey: PETE MONTOYA #2 (05-123-08963)
Survey Date: 10/30/2014

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | DLS °/100ft | Closure Distance ft | Closure Direction deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|---------------------------|-----------------------------|
| 900.47 | 0.48 | 184.31 | 900.46 | -2.32 | -4.44 | 2.20 | 0.48 | 4.96 | 153.64 |
| 925.80 | 0.39 | 183.78 | 925.78 | -2.32 | -4.63 | 2.19 | 0.38 | 5.13 | 154.73 |
| 951.72 | 0.42 | 178.02 | 951.70 | -2.32 | -4.82 | 2.19 | 0.20 | 5.29 | 155.59 |
| 977.77 | 0.58 | 196.79 | 977.75 | -2.29 | -5.04 | 2.15 | 0.87 | 5.48 | 156.88 |
| 1000.15 | 0.74 | 204.51 | 1000.13 | -2.20 | -5.28 | 2.06 | 0.80 | 5.66 | 158.69 |
| 1025.39 | 0.72 | 206.01 | 1025.36 | -2.08 | -5.57 | 1.92 | 0.09 | 5.89 | 160.96 |
| 1051.22 | 0.71 | 200.03 | 1051.19 | -1.96 | -5.87 | 1.79 | 0.29 | 6.13 | 162.99 |
| 1077.06 | 0.82 | 199.80 | 1077.04 | -1.85 | -6.19 | 1.68 | 0.41 | 6.41 | 164.85 |
| 1102.57 | 0.78 | 197.67 | 1102.54 | -1.74 | -6.53 | 1.56 | 0.20 | 6.71 | 166.54 |
| 1128.11 | 0.86 | 200.14 | 1128.08 | -1.64 | -6.87 | 1.44 | 0.33 | 7.02 | 168.13 |
| 1153.27 | 0.86 | 205.15 | 1153.24 | -1.50 | -7.22 | 1.30 | 0.30 | 7.34 | 169.80 |
| 1175.20 | 0.85 | 209.03 | 1175.16 | -1.36 | -7.51 | 1.15 | 0.27 | 7.60 | 171.29 |
| 1200.66 | 0.80 | 218.82 | 1200.62 | -1.17 | -7.81 | 0.95 | 0.58 | 7.87 | 173.08 |
| 1225.63 | 0.82 | 223.72 | 1225.58 | -0.94 | -8.08 | 0.72 | 0.28 | 8.11 | 174.94 |
| 1251.18 | 0.74 | 230.12 | 1251.13 | -0.69 | -8.32 | 0.46 | 0.45 | 8.33 | 176.81 |
| 1276.70 | 0.91 | 238.68 | 1276.65 | -0.40 | -8.53 | 0.16 | 0.81 | 8.53 | 178.90 |
| 1302.23 | 0.96 | 244.32 | 1302.17 | -0.04 | -8.72 | -0.20 | 0.41 | 8.73 | 181.32 |
| 1327.75 | 0.95 | 242.20 | 1327.70 | 0.33 | -8.92 | -0.58 | 0.14 | 8.93 | 183.73 |
| 1352.71 | 0.93 | 239.19 | 1352.65 | 0.69 | -9.12 | -0.94 | 0.22 | 9.16 | 185.88 |
| 1378.24 | 1.09 | 234.37 | 1378.17 | 1.05 | -9.36 | -1.31 | 0.69 | 9.45 | 187.99 |
| 1400.14 | 0.92 | 235.38 | 1400.08 | 1.36 | -9.58 | -1.63 | 0.74 | 9.72 | 189.64 |
| 1425.87 | 0.98 | 234.98 | 1425.80 | 1.70 | -9.83 | -1.98 | 0.22 | 10.03 | 191.39 |
| 1450.71 | 0.88 | 231.14 | 1450.64 | 2.02 | -10.07 | -2.30 | 0.48 | 10.33 | 192.88 |
| 1476.22 | 0.80 | 233.01 | 1476.15 | 2.31 | -10.30 | -2.60 | 0.34 | 10.62 | 194.15 |
| 1501.75 | 0.87 | 233.27 | 1501.67 | 2.60 | -10.52 | -2.89 | 0.27 | 10.91 | 195.38 |
| 1527.30 | 0.65 | 243.46 | 1527.22 | 2.88 | -10.70 | -3.18 | 0.99 | 11.17 | 196.54 |
| 1552.18 | 0.52 | 249.40 | 1552.10 | 3.11 | -10.81 | -3.41 | 0.59 | 11.33 | 197.52 |
| 1577.93 | 0.59 | 255.75 | 1577.85 | 3.34 | -10.88 | -3.65 | 0.36 | 11.48 | 198.54 |
| 1603.30 | 0.71 | 257.89 | 1603.22 | 3.62 | -10.95 | -3.93 | 0.50 | 11.63 | 199.75 |
| 1625.32 | 0.51 | 256.25 | 1625.24 | 3.85 | -11.00 | -4.16 | 0.91 | 11.76 | 200.72 |
| 1650.89 | 0.71 | 254.62 | 1650.80 | 4.11 | -11.07 | -4.42 | 0.77 | 11.92 | 201.79 |
| 1675.85 | 0.74 | 256.01 | 1675.76 | 4.42 | -11.15 | -4.73 | 0.12 | 12.11 | 202.99 |
| 1702.00 | 0.66 | 260.26 | 1701.91 | 4.73 | -11.21 | -5.04 | 0.35 | 12.29 | 204.21 |
| 1726.93 | 0.59 | 244.92 | 1726.84 | 4.98 | -11.29 | -5.30 | 0.73 | 12.47 | 205.14 |
| 1751.32 | 0.61 | 247.78 | 1751.22 | 5.21 | -11.39 | -5.53 | 0.14 | 12.67 | 205.90 |
| 1776.91 | 0.58 | 242.05 | 1776.82 | 5.45 | -11.51 | -5.77 | 0.26 | 12.87 | 206.64 |

Survey Report

Well Name: Pete Montoya #2
Survey: PETE MONTOYA #2 (05-123-08963)
Survey Date: 10/30/2014

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | DLS °/100ft | Closure Distance ft | Closure Direction deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|---------------------------|-----------------------------|
| 1802.49 | 0.55 | 239.25 | 1802.40 | 5.66 | -11.63 | -5.99 | 0.16 | 13.08 | 207.26 |
| 1828.08 | 0.48 | 247.08 | 1827.98 | 5.87 | -11.73 | -6.20 | 0.38 | 13.27 | 207.84 |
| 1853.06 | 0.48 | 243.03 | 1852.96 | 6.05 | -11.82 | -6.39 | 0.14 | 13.44 | 208.38 |
| 1878.60 | 0.42 | 256.13 | 1878.50 | 6.24 | -11.89 | -6.57 | 0.47 | 13.59 | 208.93 |
| 1900.52 | 0.47 | 257.45 | 1900.42 | 6.40 | -11.93 | -6.74 | 0.23 | 13.70 | 209.46 |
| 1925.91 | 0.48 | 258.29 | 1925.81 | 6.61 | -11.98 | -6.95 | 0.06 | 13.85 | 210.11 |
| 1950.93 | 0.44 | 253.48 | 1950.83 | 6.80 | -12.03 | -7.14 | 0.24 | 13.99 | 210.71 |
| 1975.51 | 0.47 | 259.55 | 1975.40 | 6.99 | -12.07 | -7.33 | 0.24 | 14.12 | 211.28 |
| 2000.70 | 0.52 | 254.43 | 2000.60 | 7.20 | -12.12 | -7.54 | 0.25 | 14.28 | 211.90 |
| 2025.88 | 0.53 | 264.48 | 2025.77 | 7.43 | -12.16 | -7.77 | 0.37 | 14.43 | 212.57 |
| 2051.06 | 0.58 | 262.24 | 2050.95 | 7.67 | -12.19 | -8.01 | 0.21 | 14.59 | 213.32 |
| 2075.75 | 0.61 | 247.90 | 2075.64 | 7.91 | -12.26 | -8.26 | 0.61 | 14.78 | 213.97 |
| 2100.82 | 0.63 | 251.82 | 2100.71 | 8.17 | -12.35 | -8.51 | 0.20 | 15.00 | 214.58 |
| 2125.99 | 0.55 | 252.37 | 2125.88 | 8.41 | -12.43 | -8.76 | 0.34 | 15.21 | 215.17 |
| 2151.36 | 0.61 | 259.87 | 2151.25 | 8.66 | -12.49 | -9.01 | 0.38 | 15.40 | 215.80 |
| 2175.77 | 0.45 | 235.92 | 2175.66 | 8.86 | -12.57 | -9.22 | 1.11 | 15.58 | 216.25 |
| 2200.95 | 0.78 | 236.55 | 2200.83 | 9.08 | -12.72 | -9.44 | 1.34 | 15.84 | 216.59 |
| 2225.30 | 0.48 | 255.80 | 2225.19 | 9.32 | -12.83 | -9.68 | 1.50 | 16.07 | 217.02 |
| 2250.57 | 0.55 | 239.39 | 2250.45 | 9.52 | -12.92 | -9.88 | 0.63 | 16.27 | 217.42 |
| 2275.25 | 0.40 | 227.74 | 2275.13 | 9.68 | -13.04 | -10.05 | 0.72 | 16.46 | 217.62 |
| 2302.28 | 0.56 | 260.88 | 2302.16 | 9.88 | -13.12 | -10.25 | 1.15 | 16.65 | 217.99 |
| 2326.01 | 0.32 | 239.70 | 2325.90 | 10.05 | -13.17 | -10.42 | 1.19 | 16.80 | 218.34 |
| 2352.54 | 0.39 | 251.15 | 2352.42 | 10.19 | -13.24 | -10.57 | 0.37 | 16.94 | 218.60 |
| 2376.71 | 0.44 | 235.46 | 2376.59 | 10.35 | -13.32 | -10.72 | 0.52 | 17.10 | 218.84 |
| 2400.89 | 0.53 | 251.43 | 2400.77 | 10.53 | -13.41 | -10.91 | 0.67 | 17.28 | 219.13 |
| 2427.94 | 0.56 | 242.72 | 2427.82 | 10.76 | -13.51 | -11.14 | 0.32 | 17.51 | 219.52 |
| 2452.00 | 0.55 | 282.95 | 2451.88 | 10.98 | -13.54 | -11.36 | 1.59 | 17.67 | 220.00 |
| 2476.24 | 0.57 | 255.38 | 2476.12 | 11.21 | -13.54 | -11.59 | 1.11 | 17.82 | 220.57 |
| 2500.40 | 0.57 | 227.71 | 2500.28 | 11.41 | -13.65 | -11.80 | 1.13 | 18.04 | 220.83 |
| 2527.67 | 0.78 | 244.55 | 2527.55 | 11.68 | -13.82 | -12.07 | 1.06 | 18.35 | 221.12 |
| 2550.41 | 0.55 | 239.33 | 2550.28 | 11.91 | -13.95 | -12.30 | 1.05 | 18.59 | 221.41 |
| 2576.99 | 0.67 | 238.26 | 2576.86 | 12.14 | -14.09 | -12.54 | 0.46 | 18.87 | 221.67 |
| 2603.59 | 0.82 | 243.81 | 2603.46 | 12.44 | -14.26 | -12.85 | 0.62 | 19.19 | 222.02 |
| 2626.60 | 0.68 | 246.36 | 2626.47 | 12.71 | -14.39 | -13.12 | 0.64 | 19.47 | 222.36 |
| 2650.53 | 0.50 | 220.20 | 2650.39 | 12.91 | -14.52 | -13.32 | 1.32 | 19.70 | 222.52 |
| 2675.65 | 0.73 | 216.34 | 2675.51 | 13.07 | -14.74 | -13.48 | 0.91 | 19.97 | 222.45 |

Survey Report

Well Name: Pete Montoya #2
Survey: PETE MONTOYA #2 (05-123-08963)
Survey Date: 10/30/2014

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | DLS °/100ft | Closure Distance ft | Closure Direction deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|---------------------------|-----------------------------|
| 2700.77 | 1.01 | 240.58 | 2700.63 | 13.35 | -14.97 | -13.77 | 1.81 | 20.34 | 222.60 |
| 2725.30 | 1.00 | 263.20 | 2725.16 | 13.74 | -15.11 | -14.17 | 1.60 | 20.71 | 223.17 |
| 2750.13 | 0.89 | 221.69 | 2749.98 | 14.08 | -15.27 | -14.51 | 2.73 | 21.07 | 223.54 |
| 2778.26 | 0.34 | 193.18 | 2778.11 | 14.24 | -15.52 | -14.68 | 2.17 | 21.36 | 223.40 |
| 2802.97 | 0.70 | 282.24 | 2802.82 | 14.40 | -15.56 | -14.84 | 3.13 | 21.50 | 223.65 |
| 2827.59 | 1.24 | 260.42 | 2827.44 | 14.81 | -15.57 | -15.25 | 2.61 | 21.79 | 224.41 |
| 2851.83 | 0.93 | 234.79 | 2851.67 | 15.23 | -15.73 | -15.67 | 2.34 | 22.20 | 224.90 |
| 2876.53 | 0.53 | 236.60 | 2876.37 | 15.48 | -15.91 | -15.93 | 1.64 | 22.51 | 225.04 |
| 2901.42 | 0.66 | 266.49 | 2901.26 | 15.72 | -15.98 | -16.17 | 1.33 | 22.73 | 225.34 |
| 2925.83 | 0.86 | 246.95 | 2925.67 | 16.02 | -16.06 | -16.48 | 1.33 | 23.01 | 225.74 |
| 2954.05 | 0.99 | 257.55 | 2953.88 | 16.45 | -16.19 | -16.91 | 0.76 | 23.41 | 226.24 |
| 2978.15 | 1.29 | 266.18 | 2977.98 | 16.92 | -16.26 | -17.38 | 1.42 | 23.80 | 226.92 |
| 3002.76 | 1.22 | 241.50 | 3002.58 | 17.43 | -16.40 | -17.89 | 2.19 | 24.27 | 227.49 |
| 3027.46 | 0.78 | 219.30 | 3027.28 | 17.76 | -16.66 | -18.23 | 2.35 | 24.69 | 227.58 |
| 3052.16 | 0.41 | 293.18 | 3051.98 | 17.94 | -16.75 | -18.41 | 3.13 | 24.89 | 227.71 |
| 3076.30 | 1.27 | 269.70 | 3076.11 | 18.29 | -16.72 | -18.76 | 3.79 | 25.13 | 228.29 |
| 3100.99 | 1.26 | 238.56 | 3100.80 | 18.79 | -16.86 | -19.27 | 2.75 | 25.60 | 228.81 |
| 3125.69 | 0.75 | 211.24 | 3125.50 | 19.10 | -17.14 | -19.58 | 2.78 | 26.03 | 228.80 |
| 3150.30 | 0.41 | 273.45 | 3150.11 | 19.27 | -17.28 | -19.76 | 2.71 | 26.24 | 228.83 |
| 3178.50 | 0.87 | 266.55 | 3178.30 | 19.58 | -17.28 | -20.07 | 1.64 | 26.49 | 229.27 |
| 3202.61 | 1.11 | 246.63 | 3202.41 | 19.97 | -17.39 | -20.47 | 1.73 | 26.85 | 229.65 |
| 3227.23 | 0.72 | 224.15 | 3227.03 | 20.30 | -17.59 | -20.79 | 2.14 | 27.24 | 229.77 |
| 3251.94 | 0.15 | 229.50 | 3251.74 | 20.42 | -17.72 | -20.93 | 2.29 | 27.42 | 229.74 |
| 3276.75 | 0.78 | 303.63 | 3276.55 | 20.59 | -17.65 | -21.09 | 3.03 | 27.50 | 230.07 |
| 3301.38 | 1.09 | 274.69 | 3301.17 | 20.97 | -17.54 | -21.46 | 2.25 | 27.72 | 230.75 |
| 3325.73 | 1.05 | 243.21 | 3325.52 | 21.39 | -17.62 | -21.89 | 2.38 | 28.10 | 231.17 |
| 3350.26 | 0.30 | 270.18 | 3350.05 | 21.65 | -17.72 | -22.16 | 3.22 | 28.37 | 231.35 |
| 3378.42 | 0.64 | 278.63 | 3378.21 | 21.89 | -17.70 | -22.39 | 1.23 | 28.54 | 231.67 |
| 3403.16 | 1.28 | 279.60 | 3402.94 | 22.30 | -17.63 | -22.80 | 2.60 | 28.82 | 232.28 |
| 3427.91 | 0.60 | 323.89 | 3427.69 | 22.65 | -17.48 | -23.15 | 3.84 | 29.01 | 232.94 |
| 3452.01 | 0.72 | 236.08 | 3451.79 | 22.85 | -17.46 | -23.35 | 3.82 | 29.15 | 233.21 |
| 3476.89 | 0.71 | 280.75 | 3476.66 | 23.13 | -17.52 | -23.63 | 2.19 | 29.42 | 233.44 |
| 3501.74 | 0.78 | 292.91 | 3501.52 | 23.44 | -17.43 | -23.94 | 0.70 | 29.61 | 233.95 |
| 3526.56 | 1.13 | 250.73 | 3526.33 | 23.83 | -17.44 | -24.32 | 3.05 | 29.93 | 234.36 |
| 3551.36 | 0.48 | 350.32 | 3551.13 | 24.08 | -17.42 | -24.57 | 5.22 | 30.12 | 234.67 |
| 3575.27 | 0.76 | 289.40 | 3575.04 | 24.25 | -17.27 | -24.74 | 2.83 | 30.17 | 235.09 |

Survey Report

Well Name: Pete Montoya #2
Survey: PETE MONTOYA #2 (05-123-08963)
Survey Date: 10/30/2014

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | DLS °/100ft | Closure Distance ft | Closure Direction deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|---------------------------|-----------------------------|
| 3603.21 | 1.20 | 321.51 | 3602.97 | 24.61 | -16.97 | -25.10 | 2.46 | 30.30 | 235.93 |
| 3627.93 | 0.79 | 325.07 | 3627.69 | 24.88 | -16.63 | -25.36 | 1.67 | 30.32 | 236.74 |
| 3652.48 | 0.40 | 25.92 | 3652.24 | 24.95 | -16.41 | -25.41 | 2.83 | 30.25 | 237.14 |
| 3677.14 | 0.99 | 352.71 | 3676.90 | 24.94 | -16.12 | -25.40 | 2.81 | 30.09 | 237.60 |
| 3701.23 | 0.94 | 312.24 | 3700.99 | 25.13 | -15.78 | -25.58 | 2.79 | 30.05 | 238.32 |
| 3725.87 | 1.26 | 297.87 | 3725.62 | 25.52 | -15.52 | -25.97 | 1.69 | 30.25 | 239.14 |
| 3750.52 | 0.79 | 301.17 | 3750.27 | 25.92 | -15.30 | -26.35 | 1.93 | 30.47 | 239.85 |
| 3775.30 | 0.82 | 312.88 | 3775.04 | 26.20 | -15.10 | -26.63 | 0.67 | 30.61 | 240.45 |
| 3803.31 | 1.47 | 299.79 | 3803.05 | 26.66 | -14.78 | -27.09 | 2.50 | 30.86 | 241.38 |
| 3827.43 | 1.16 | 316.00 | 3827.16 | 27.11 | -14.45 | -27.53 | 2.01 | 31.09 | 242.30 |
| 3852.01 | 1.00 | 309.05 | 3851.73 | 27.46 | -14.14 | -27.86 | 0.84 | 31.25 | 243.10 |
| 3876.69 | 1.30 | 302.06 | 3876.41 | 27.87 | -13.85 | -28.27 | 1.35 | 31.48 | 243.89 |
| 3901.56 | 1.41 | 306.99 | 3901.28 | 28.36 | -13.52 | -28.75 | 0.66 | 31.77 | 244.82 |
| 3925.62 | 1.69 | 302.42 | 3925.32 | 28.91 | -13.15 | -29.29 | 1.26 | 32.11 | 245.82 |
| 3950.19 | 1.61 | 291.16 | 3949.88 | 29.55 | -12.83 | -29.92 | 1.36 | 32.55 | 246.78 |
| 3978.38 | 2.16 | 280.56 | 3978.06 | 30.44 | -12.59 | -30.81 | 2.30 | 33.28 | 247.77 |
| 4002.98 | 2.50 | 279.57 | 4002.64 | 31.43 | -12.42 | -31.79 | 1.42 | 34.13 | 248.66 |
| 4027.87 | 2.25 | 271.79 | 4027.51 | 32.46 | -12.31 | -32.82 | 1.64 | 35.05 | 249.44 |
| 4051.81 | 2.48 | 267.29 | 4051.42 | 33.45 | -12.32 | -33.80 | 1.24 | 35.98 | 249.97 |
| 4076.51 | 2.72 | 274.32 | 4076.10 | 34.57 | -12.30 | -34.92 | 1.60 | 37.03 | 250.59 |
| 4101.21 | 2.49 | 280.75 | 4100.77 | 35.68 | -12.16 | -36.04 | 1.49 | 38.03 | 251.35 |
| 4125.92 | 2.45 | 291.77 | 4125.47 | 36.71 | -11.86 | -37.05 | 1.93 | 38.91 | 252.25 |
| 4150.24 | 2.40 | 294.34 | 4149.77 | 37.67 | -11.46 | -38.00 | 0.49 | 39.69 | 253.22 |
| 4178.14 | 2.43 | 294.10 | 4177.64 | 38.75 | -10.98 | -39.07 | 0.10 | 40.59 | 254.31 |
| 4202.84 | 2.32 | 291.02 | 4202.31 | 39.71 | -10.58 | -40.02 | 0.68 | 41.39 | 255.19 |
| 4227.09 | 1.94 | 285.42 | 4226.55 | 40.57 | -10.30 | -40.87 | 1.77 | 42.15 | 255.86 |
| 4251.23 | 2.10 | 289.75 | 4250.67 | 41.39 | -10.04 | -41.68 | 0.90 | 42.87 | 256.46 |
| 4279.20 | 2.06 | 308.06 | 4278.62 | 42.28 | -9.56 | -42.56 | 2.37 | 43.62 | 257.34 |
| 4302.75 | 1.95 | 308.61 | 4302.17 | 42.94 | -9.05 | -43.21 | 0.48 | 44.14 | 258.18 |
| 4326.95 | 1.82 | 306.68 | 4326.35 | 43.58 | -8.56 | -43.84 | 0.61 | 44.67 | 258.95 |
| 4351.08 | 2.08 | 317.72 | 4350.47 | 44.20 | -8.01 | -44.44 | 1.90 | 45.16 | 259.79 |
| 4378.09 | 1.82 | 323.59 | 4377.46 | 44.80 | -7.30 | -45.02 | 1.21 | 45.61 | 260.79 |
| 4400.53 | 1.75 | 315.13 | 4399.89 | 45.27 | -6.77 | -45.48 | 1.22 | 45.98 | 261.54 |
| 4425.90 | 1.74 | 308.50 | 4425.25 | 45.86 | -6.25 | -46.05 | 0.80 | 46.48 | 262.27 |
| 4451.31 | 1.62 | 314.49 | 4450.65 | 46.43 | -5.76 | -46.61 | 0.84 | 46.97 | 262.95 |
| 4476.73 | 1.63 | 327.65 | 4476.05 | 46.90 | -5.20 | -47.06 | 1.47 | 47.35 | 263.69 |

Well Name: Pete Montoya #2
Survey: PETE MONTOYA #2 (05-123-08963)
Survey Date: 10/30/2014

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | DLS °/100ft | Closure Distance ft | Closure Direction deg |
|----------|------------|-------------|-----------|----------|-------------|-------------|----------------|---------------------------|-----------------------------|
| 4502.07 | 1.84 | 325.41 | 4501.39 | 47.34 | -4.56 | -47.49 | 0.86 | 47.70 | 264.51 |
| 4527.36 | 1.85 | 319.80 | 4526.66 | 47.85 | -3.92 | -47.98 | 0.72 | 48.14 | 265.33 |
| 4550.18 | 1.98 | 314.73 | 4549.47 | 48.39 | -3.36 | -48.50 | 0.93 | 48.61 | 266.04 |
| 4575.40 | 1.81 | 314.91 | 4574.68 | 48.99 | -2.77 | -49.09 | 0.67 | 49.17 | 266.77 |
| 4601.02 | 1.66 | 317.75 | 4600.28 | 49.55 | -2.21 | -49.63 | 0.69 | 49.68 | 267.45 |
| 4626.26 | 1.90 | 322.16 | 4625.51 | 50.06 | -1.61 | -50.13 | 1.11 | 50.15 | 268.16 |
| 4650.02 | 1.86 | 315.90 | 4649.25 | 50.59 | -1.02 | -50.64 | 0.89 | 50.65 | 268.85 |
| 4676.58 | 1.87 | 331.93 | 4675.80 | 51.11 | -0.33 | -51.14 | 1.95 | 51.14 | 269.63 |
| 4700.04 | 2.10 | 330.67 | 4699.25 | 51.52 | 0.38 | -51.53 | 1.02 | 51.53 | 270.43 |
| 4725.21 | 2.24 | 325.82 | 4724.40 | 52.05 | 1.19 | -52.03 | 0.91 | 52.05 | 271.31 |
| 4734.07 | 2.02 | 320.71 | 4733.26 | 52.25 | 1.46 | -52.23 | 3.29 | 52.25 | 271.60 |