



Minimun Curvature Calculation

Client: high point
 Well: Wetco 4-63-5-4033B
 County: WELD
 Rig: CARTEL 7
 VS Azimuth: 270.88

MWD Operators: PETE ALDRICH
 Directional Drillers: BRENT LABORDE
 Correction to True North: 7.88
 RKB: 8
 Job #: KES1129181-6
 API#: 05-123-48494

| | INC | AZM | TVD | +N/-S | +E/-W | VS | DLS |
|---------|------|--------|--------|-------|--------|-------|------|
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 1.27 | 172.24 | 106.99 | -1.17 | 0.16 | -0.18 | 1.19 |
| 202 | 0.88 | 225.76 | 201.98 | -2.73 | -0.22 | 0.18 | 1.08 |
| 297 | 1.19 | 303.54 | 296.96 | -2.69 | -1.57 | 1.52 | 1.39 |
| 392 | 1.23 | 305.13 | 391.94 | -1.56 | -3.22 | 3.20 | 0.05 |
| 487 | 1.27 | 285.79 | 486.92 | -0.69 | -5.07 | 5.06 | 0.44 |
| 582 | 2.46 | 272.17 | 581.87 | -0.32 | -8.12 | 8.11 | 1.33 |
| 677 | 3.52 | 263.99 | 676.74 | -0.55 | -13.06 | 13.05 | 1.20 |
| 773 | 4.31 | 260.48 | 772.52 | -1.46 | -19.55 | 19.52 | 0.86 |
| 801 | 4.53 | 262.59 | 800.43 | -1.77 | -21.68 | 21.65 | 0.98 |
| PTB 851 | 4.53 | 262.59 | 850.28 | -2.28 | -25.60 | 25.56 | 0.00 |

