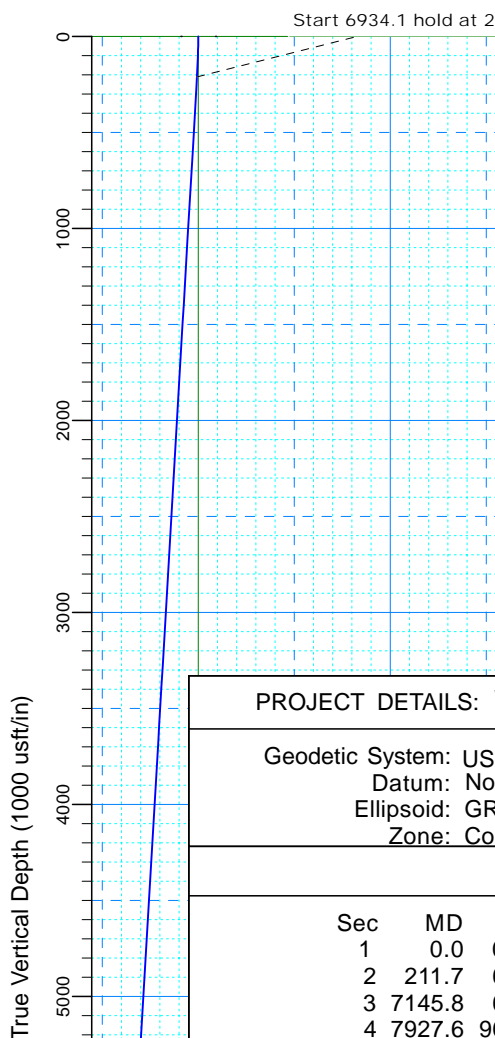
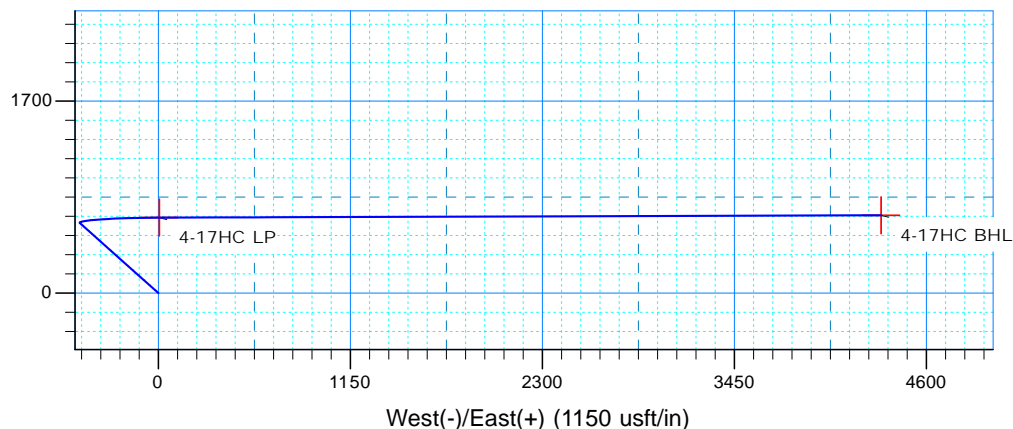




WARD PETROLEUM

WELL DETAILS: Sack 21-4-17HC

Ground Level: 5019.0
Northing 1255198.00
Easting 3198857.00
Well Sack 21-4-17HC, True North



PROJECT DETAILS: West Brighton Adams, CO

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|-----|---------|-------|--------|--------|-------|--------|-------|--------|--------|------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 211.7 | 6.35 | 322.81 | 211.3 | 9.3 | -7.1 | 3.00 | 322.81 | -5.5 | |
| 3 | 7145.8 | 6.35 | 322.81 | 7102.8 | 620.5 | -470.8 | 0.00 | 0.00 | -367.4 | |
| 4 | 7927.6 | 90.00 | 89.72 | 7610.0 | 668.0 | 5.3 | 12.00 | 126.74 | 110.3 | 4-17HC LP |
| 5 | 12250.9 | 90.00 | 89.72 | 7610.0 | 689.4 | 4328.7 | 0.00 | 0.00 | 4383.2 | 4-17HC BHL |

Start DLS 12.00 TFO 126.74

Start 4323.4 hold at 7927.6 MD

TD at 12250.9

Vertical Section at 80.95° (900.0 usft/in)