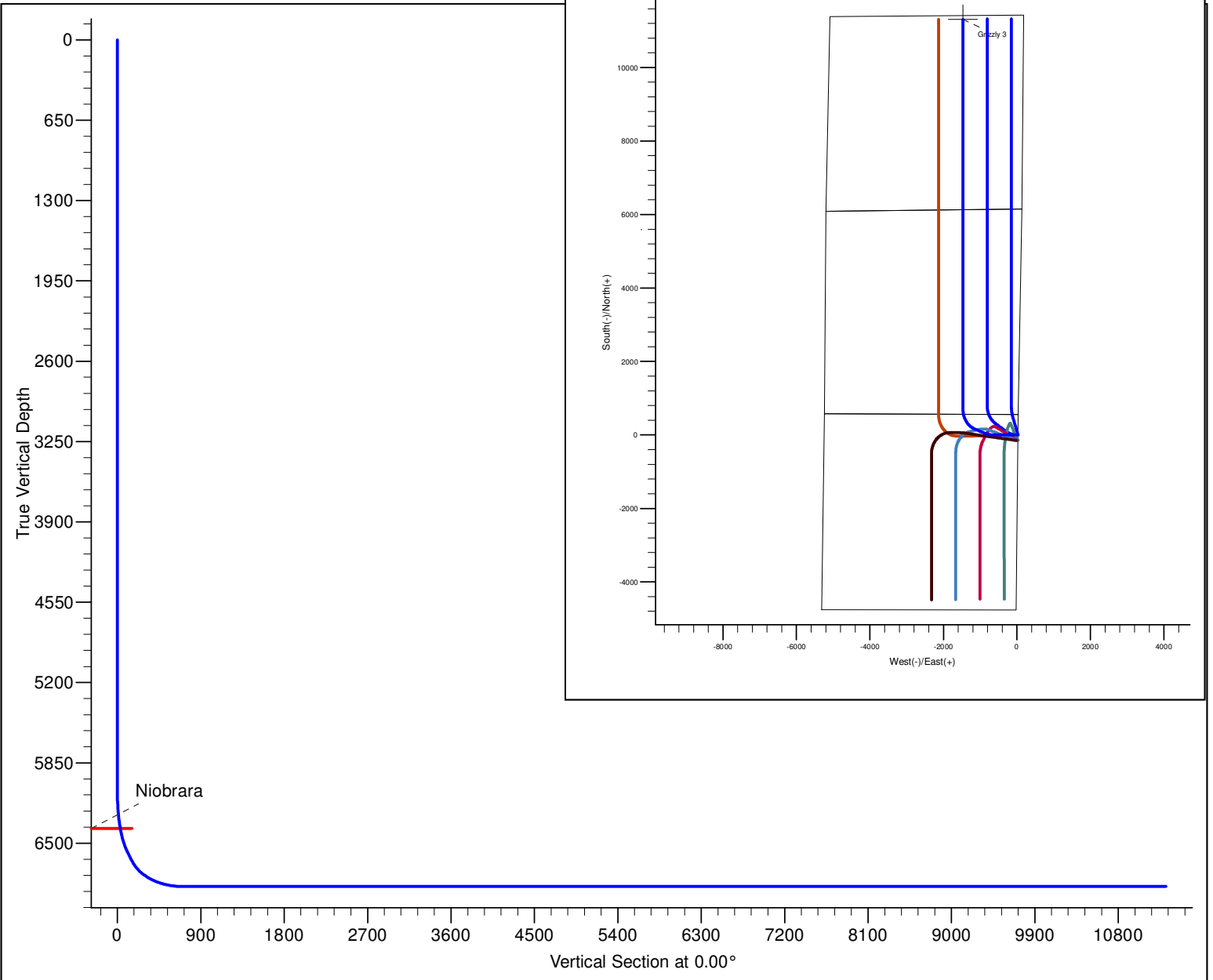


| | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------|----------------|-----------------------|------------|------------------|------|------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| PROJECT DETAILS: North Park Basin | | | | | | | | | | <div><div><div><div></div><div>G</div></div><div><div></div><div>T</div></div><div><div></div><div>M</div></div></div><div><div></div><div></div></div></div> <div>Azimuths to Grid North True North: 0.60° Magnetic North: 10.50° Magnetic Field Strength: 53194.0snT Dip Angle: 66.98° Date: 12/31/2009 Model: IGRF200510</div> | |
| Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Colorado Northern Zone System Datum: Mean Sea Level | | | | | | | | | | | |
| FORMATION TOP DETAILS | | | | | | | | | | CASING DETAILS | |
| TVDPPath 6380.0 | | MDPath 6482.0 | | Formation Niobrara | | DipAngle 0.00 | | DipDir | | No casing data is available | |
| DESIGN DETAILS: Design #1 | | | | | | | | | | | |
| 0' Vertical Section coordinates | | | | | | | | | | Project: North Park Basin Site: T8N-R81W-S7 Well: Grizzly 0881 3-1H36 Wellbore: Wellbore #1 Design: Design #1 | |
| Type User | Target | Azimuth 0.00 | Origin Slot | Type | N/S 0.0 | E/W 0.0 | From | TVD 0.0 | | | |



| | | | | | | | | | | | |
|-----------------|---------|-------|--------|--------|---------|---------|-------|--------|---------|-----------|--|
| 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 | 2500.0 | 0.00 | 0.00 | 2500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | | |
| 3 | 3100.8 | 12.02 | 270.00 | 3096.4 | 0.0 | -62.8 | 2.00 | 270.00 | 0.0 | | |
| 4 | 6161.5 | 12.02 | 270.00 | 6090.0 | 0.0 | -700.0 | 0.00 | 0.00 | 0.0 | | |
| 5 | 6774.8 | 60.00 | 292.90 | 6573.2 | 110.2 | -1028.9 | 8.00 | 26.49 | 110.2 | | |
| 6 | 6924.8 | 60.00 | 292.90 | 6648.2 | 160.7 | -1148.5 | 0.00 | 0.00 | 160.7 | | |
| 7 | 7627.9 | 90.00 | 0.00 | 6850.0 | 700.2 | -1470.4 | 10.00 | 78.07 | 700.2 | Grizzly 3 | |
| 8 | 18241.6 | 90.00 | 0.00 | 6850.0 | 11313.9 | -1470.1 | 0.00 | 0.00 | 11313.9 | Grizzly 3 | |