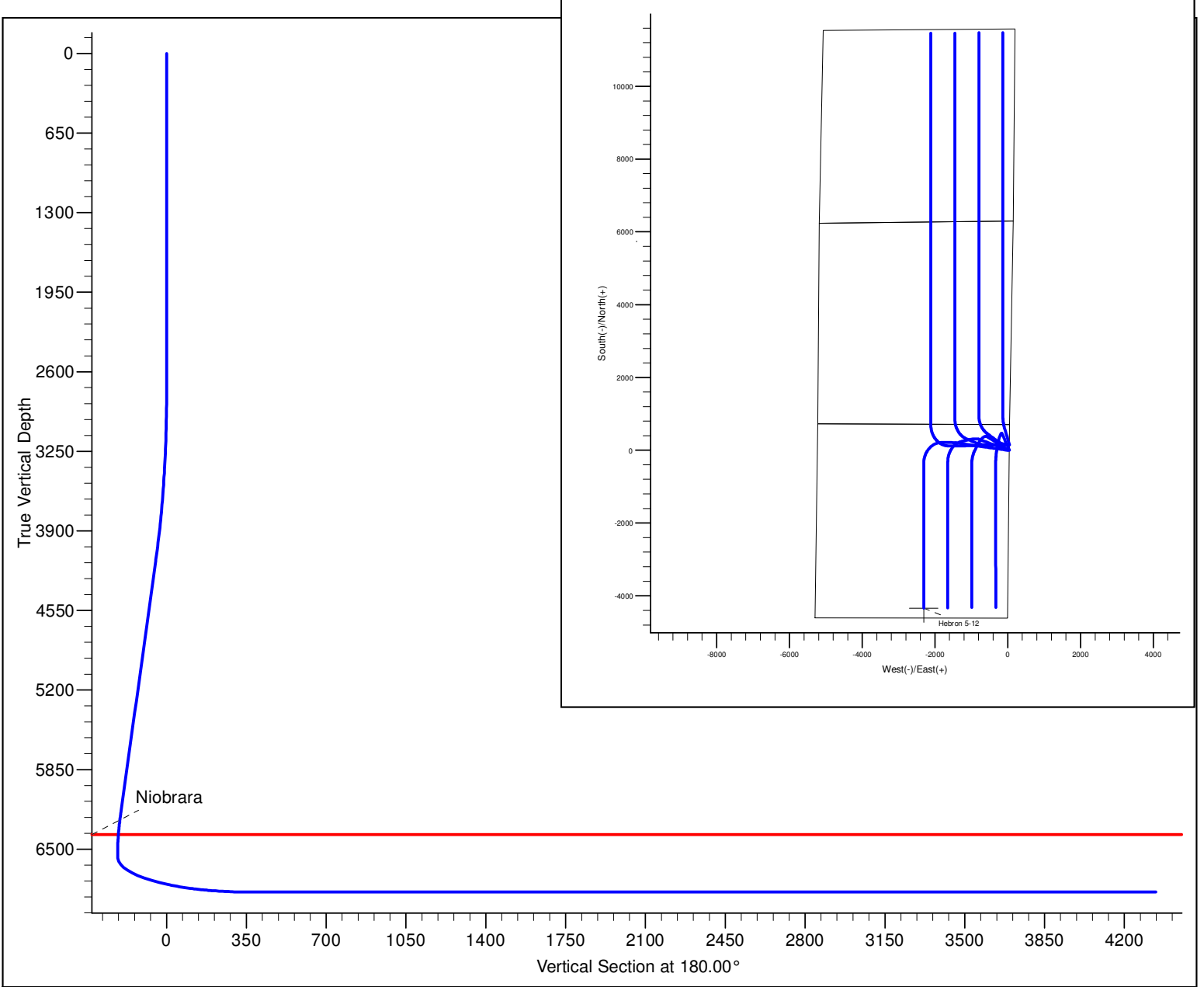


PROJECT DETAILS: North Park Basin										<div><div><div><div></div><div>G</div></div><div><div></div><div>T</div></div><div><div></div><div>M</div></div></div><div><div></div><div></div></div></div> <div>Azimuths to Grid North True North: 0.60° Magnetic North: 10.50°  Magnetic Field Strength: 53193.7snT 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 6749.1		Formation Niobrara		DipAngle 0.00		DipDir		No casing data is available			
DESIGN DETAILS: Design #1												Project: North Park Basin Site: T8N-R81W-S7 Well: Hebron 0781 5-12H Wellbore: Wellbore #1 Design: Design #1	
0' Vertical Section coordinates													
Type User	Target	Azimuth 180.00	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	2800.0	0.00	0.00	2800.0	0.0	0.0	0.00	0.00	0.0		
3	4190.3	27.81	278.11	4136.3	46.6	-327.5	2.00	278.11	-46.6		
4	6521.4	27.81	278.11	6198.3	200.0	-1404.0	0.00	0.00	-200.0		
5	6929.2	60.00	270.00	6488.5	213.8	-1682.3	8.00	-13.09	-213.8		
6	7079.2	60.00	270.00	6563.5	213.8	-1812.2	0.00	0.00	-213.8		
7	7979.2	90.00	180.00	6850.0	-359.2	-2308.4	10.00	-90.00	359.2	Hebron 5-12	
8	11957.9	90.00	180.00	6850.0	-4337.8	-2308.2	0.00	0.00	4337.8	Hebron 5-12	