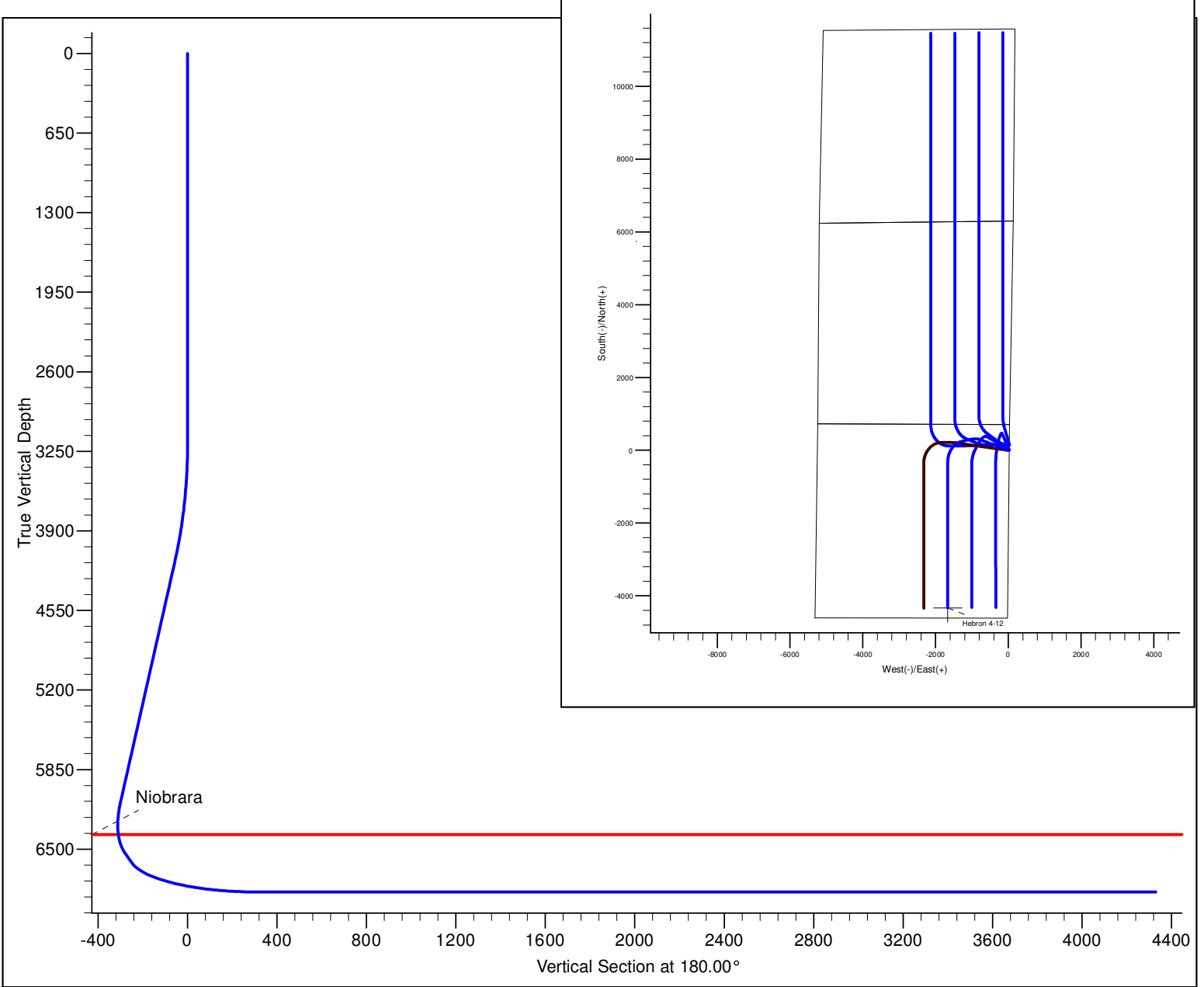


PROJECT DETAILS: North Park Basin										<div><div><div><div></div><div>G</div></div><div><div></div><div>T</div></div><div><div></div><div>M</div></div></div><div><div></div><div></div></div></div> <div>Azimuths to Grid North True North: 0.60° Magnetic North: 10.50° Magnetic Field Strength: 53193.7snT 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 6558.6		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 4-12H 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	3200.0	0.00	0.00	3200.0	0.0	0.0	0.00	0.00	0.0		
3	4170.2	19.40	290.56	4151.8	57.1	-152.4	2.00	290.56	-57.1		
4	6252.1	19.40	290.56	6115.4	300.0	-800.0	0.00	0.00	-300.0		
5	6810.3	60.00	257.00	6539.9	277.0	-1139.7	8.00	-42.93	-277.0		
6	6960.3	60.00	257.00	6614.9	247.8	-1266.3	0.00	0.00	-247.8		
7	7747.9	90.00	180.00	6850.0	-314.2	-1663.2	10.00	-83.41	314.2	Hebron 4-12	
8	11763.9	90.00	180.00	6850.0	-4330.2	-1663.4	0.00	0.00	4330.2	Hebron 4-12	