

PROJECT DETAILS: North Park Basin

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



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

FORMATION TOP DETAILS

TVDPATH 6380.0    MDPath 6507.8    Formation Niobrara    DipAngle 0.00    DipDir

CASING DETAILS

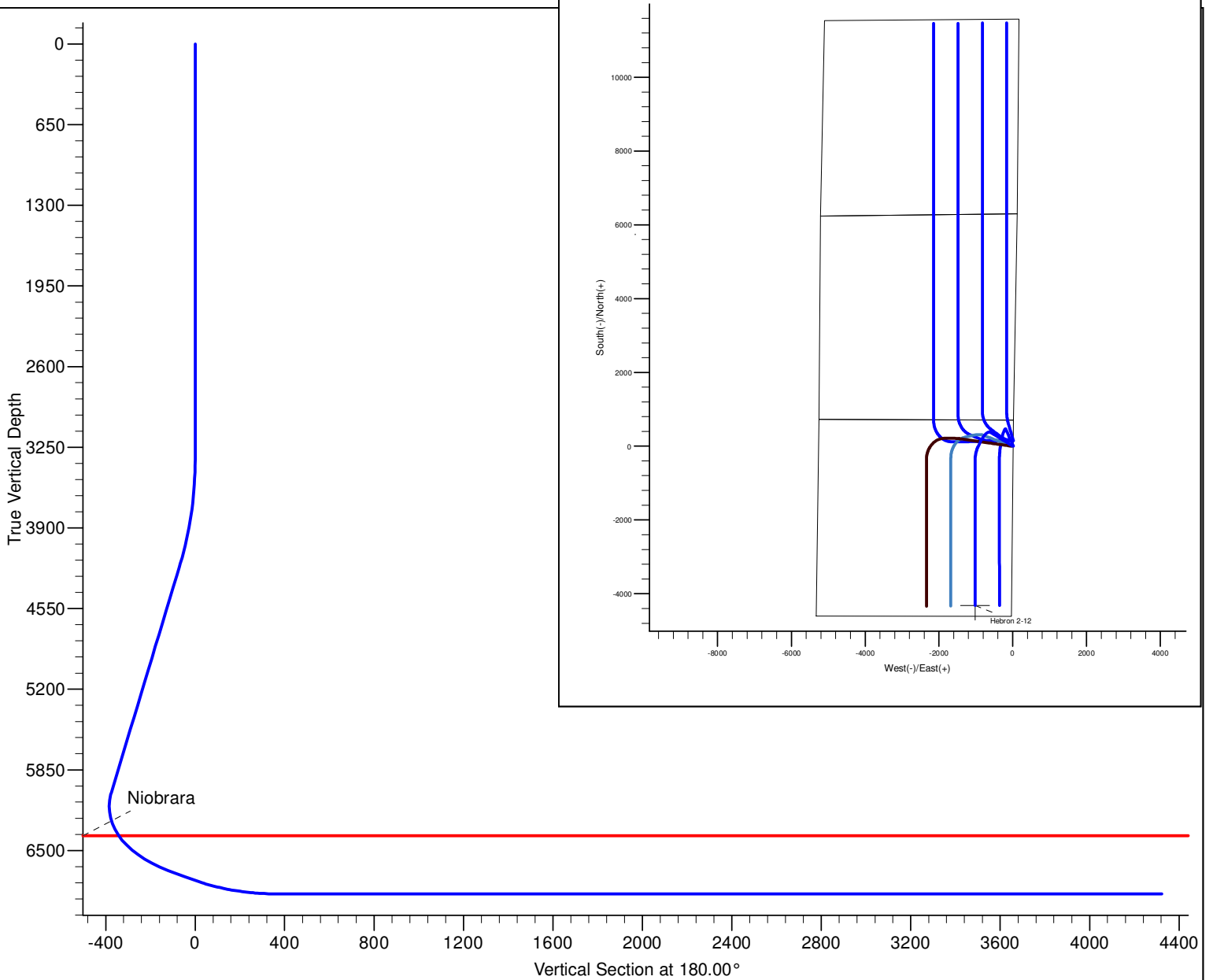
No casing data is available

DESIGN DETAILS: Design #1

0' Vertical Section coordinates

Type User    Target    Azimuth 180.00    Origin Type Slot    N/S 0.0    E/W 0.0    From TVD 0.0

Project: North Park Basin  
 Site: T8N-R81W-S7  
 Well: Hebron 0781 2-12H  
 Wellbore: Wellbore #1  
 Design: Design #1



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	3350.0	0.00	0.00	3350.0	0.0	0.0	0.00	0.00	0.0	
3	4225.8	17.52	302.01	4212.2	70.4	-112.6	2.00	302.01	-70.4	
4	6135.3	17.52	302.01	6033.2	375.0	-600.0	0.00	0.00	-375.0	
5	6924.8	60.00	206.45	6673.1	103.9	-882.2	8.00	-104.97	-103.9	
6	7074.8	60.00	206.45	6748.1	-12.4	-940.0	0.00	0.00	12.4	
7	7466.4	90.00	180.00	6850.0	-374.2	-1018.6	10.00	-44.86	374.2	Hebron 2-12
8	11414.8	90.00	180.00	6850.0	-4322.7	-1018.6	0.00	0.00	4322.7	Hebron 2-12