

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	MDPATH	FORMATION	DIPANGLE	DIPDIR
6380.0	6447.6	Niobrara	0.00	

CASING DETAILS

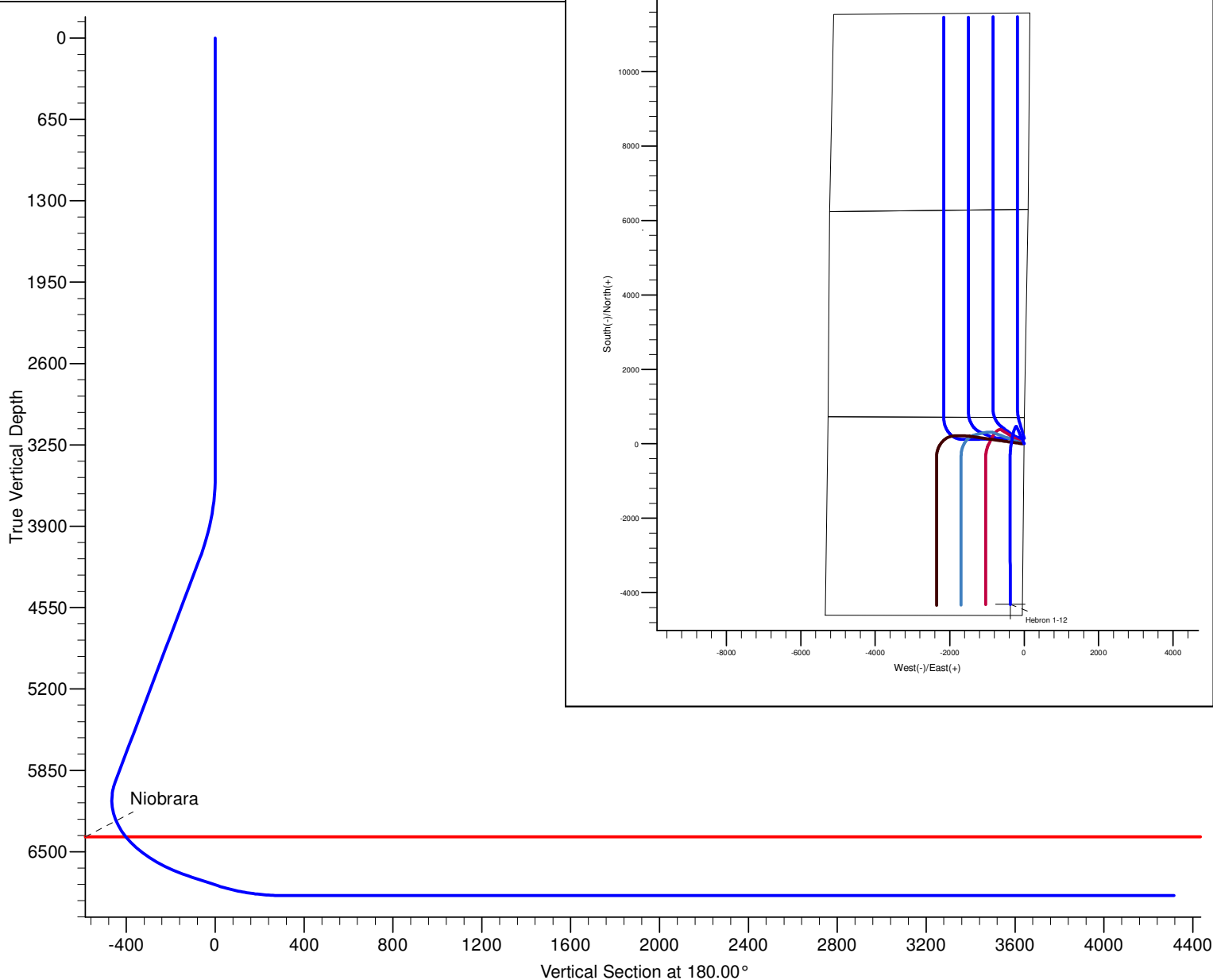
No casing data is available

DESIGN DETAILS: Design #1

0' Vertical Section coordinates

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

Project: North Park Basin
 Site: T8N-R81W-S7
 Well: Hebron 0781 1-12H
 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	3500.0	0.00	0.00	3500.0	0.0	0.0	0.00	0.00	0.0	
3	4156.8	13.14	336.04	4151.1	68.5	-30.4	2.00	336.04	-68.5	
4	5993.8	13.14	336.04	5940.0	450.0	-200.0	0.00	0.00	-450.0	
5	6882.4	60.00	190.25	6694.1	120.2	-326.1	8.00	-149.02	-120.2	
6	7032.4	60.00	190.25	6769.1	-7.6	-349.2	0.00	0.00	7.6	
7	7347.9	90.00	180.00	6850.0	-307.4	-374.1	10.00	-19.89	307.4	Hebron 1-12
8	11355.5	90.00	180.00	6850.0	-4315.1	-373.8	0.00	0.00	4315.1	Hebron 1-12