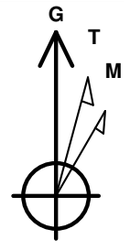
PROJECT DETAILS: North Park Basin

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: 53179.3snT
Dip Angle: 66.96°
Date: 12/31/2009
Model: IGRF200510

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
6348.0	6740.7	Niobrara	0.00	

CASING DETAILS

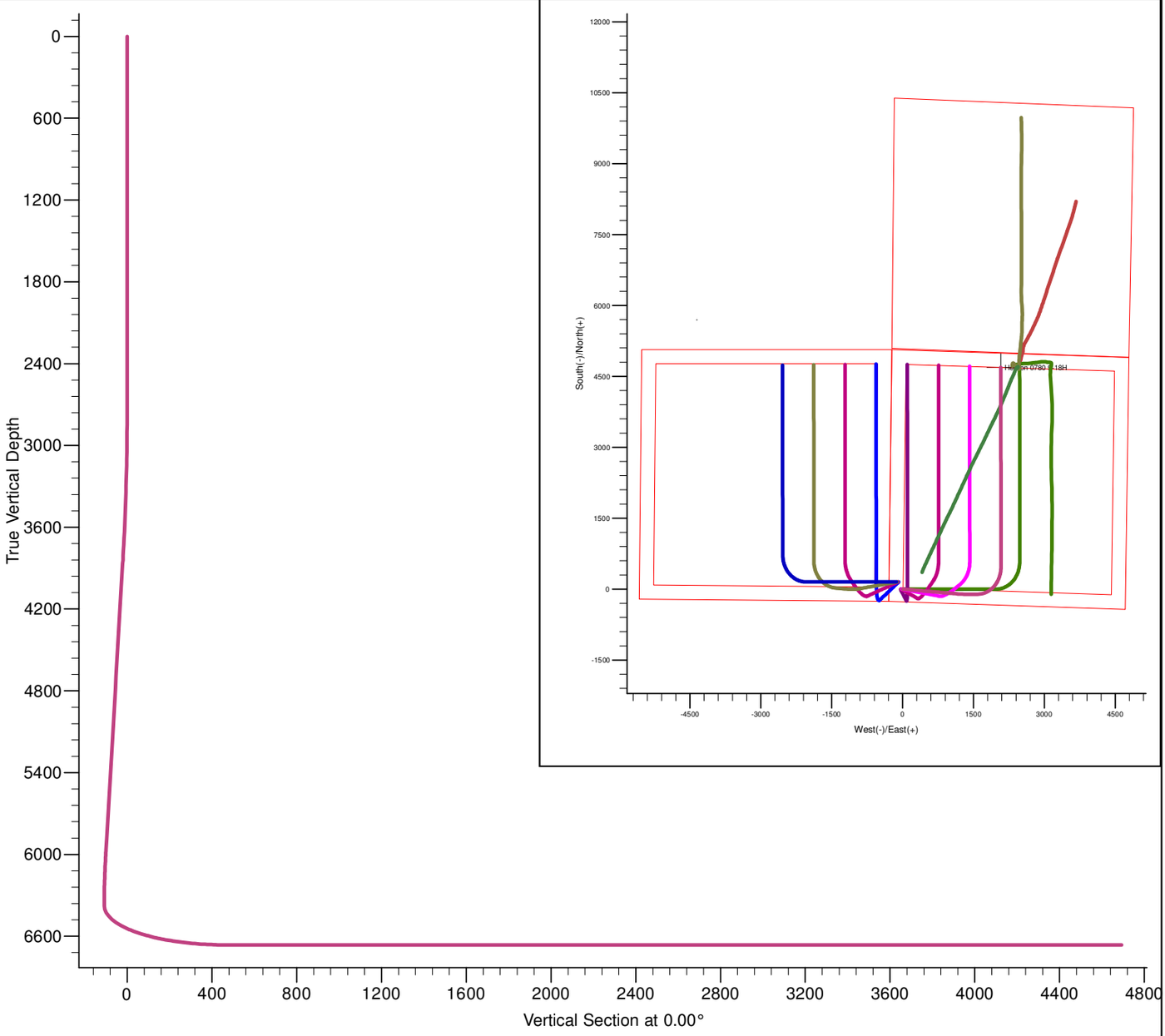
No casing data is available

DESIGN DETAILS: Design #1

0' Vertical Section coordinates

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
Target		0.00	Slot	0.0	0.0	0.0

Project: North Park Basin
Site: T7N-R80W-S18
Well: Hebron 0780 9-18H
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	2700.0	0.00	0.00	2700.0	0.0	0.0	0.00	0.00	0.0	
3	3873.8	23.48	94.95	3841.3	-20.4	236.3	2.00	94.95	-20.4	
4	6189.7	23.48	94.95	5965.4	-100.0	1155.4	0.00	0.00	-100.0	
5	6647.8	60.00	90.00	6301.5	-108.1	1454.9	8.00	-7.19	-108.1	
6	6797.8	60.00	90.00	6376.5	-108.1	1584.8	0.00	0.00	-108.1	
7	7698.1	90.00	359.96	6663.2	465.1	2080.9	10.00	-90.02	465.1	Hebron 9-18H
8	11925.0	90.00	359.96	6663.2	4692.1	2078.1	0.00	0.00	4692.1	Hebron 9-18H