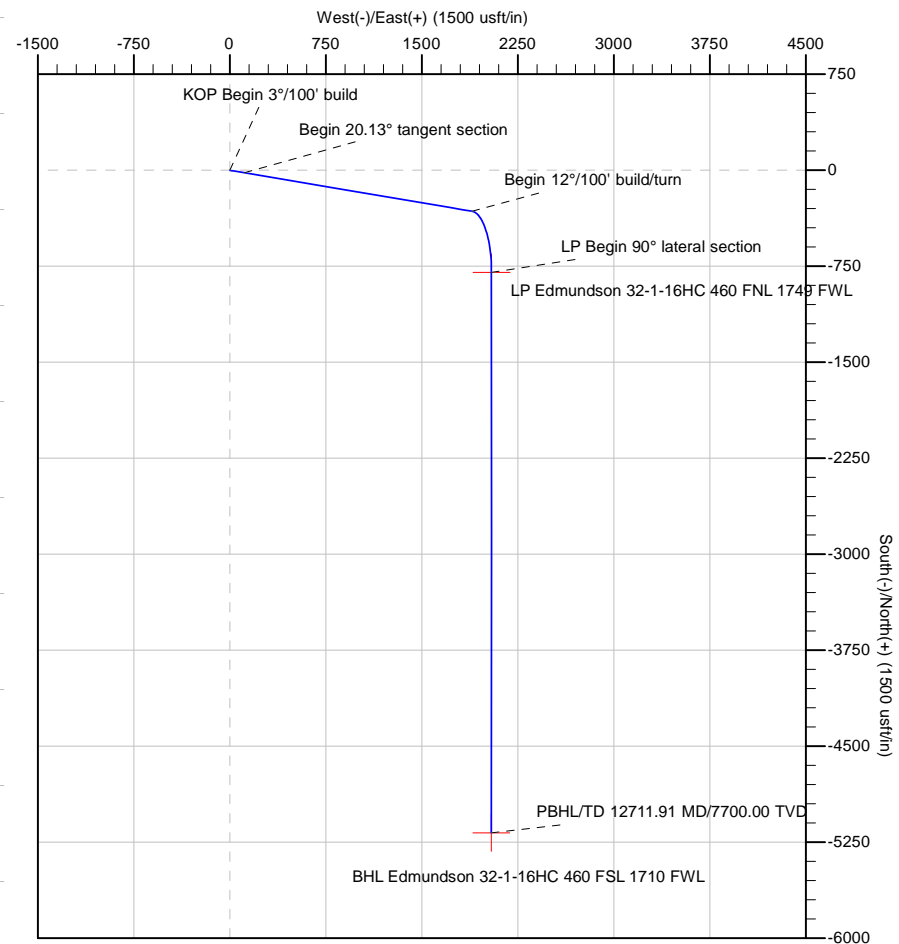
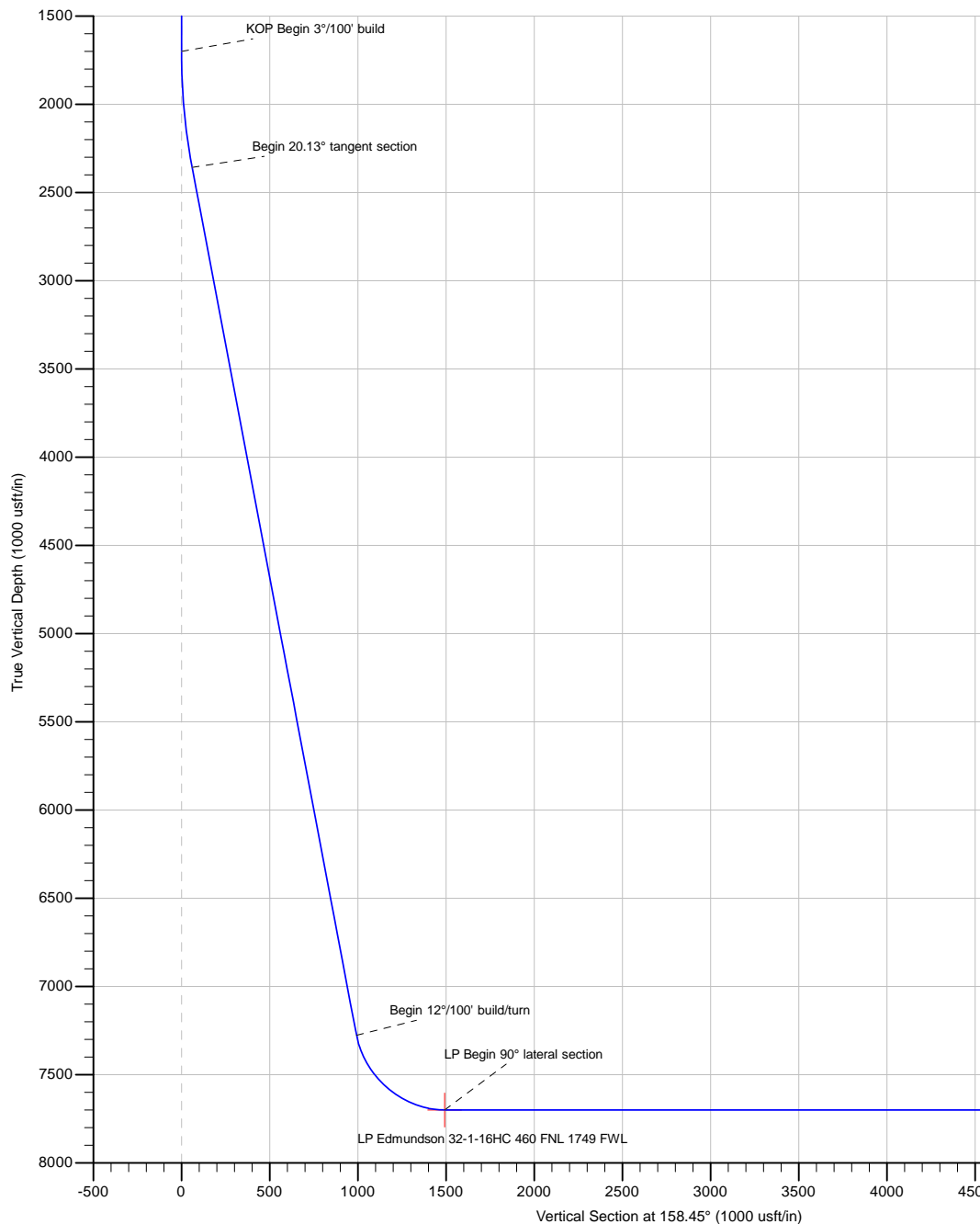




WARD PETROLEUM

Well: Edmundson #32-1-16HC
Site: Edmundson
Project: Adams County, Colorado
Design: rev0

Section Details										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' build
3	2370.95	20.13	99.59	2357.23	-19.44	115.02	3.00	99.59	60.33	Begin 20.13° tangent section
4	7610.38	20.13	99.59	7276.66	-319.86	1892.84	0.00	0.00	992.84	Begin 12°/100' build/turn
5	8333.04	90.00	180.02	7700.00	-796.60	2045.67	12.00	81.00	1492.38	LP Begin 90° lateral section
6	12711.91	90.00	180.02	7700.00	-5175.47	2044.14	0.00	0.00	5564.53	PBHL/TD 12711.91 MD/7700.00 TVD



Azimuths to Grid North
True North: -0.45°
Magnetic North: 7.77°

Magnetic Field
Strength: 52159.4snT
Dip Angle: 66.47°
Date: 4/16/2017
Model: IGRF2015

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

System Datum: Mean Sea Level
Depth Reference: RKB=5060.1+17 @ 5076.10usft

Surf loc: 350 FSL 291 FEL Section 30-T01S-R66W
Northing: 1218039.56 Easting: 3193512.29 Latitude: 39.92983225 Longitude: -104.80996657