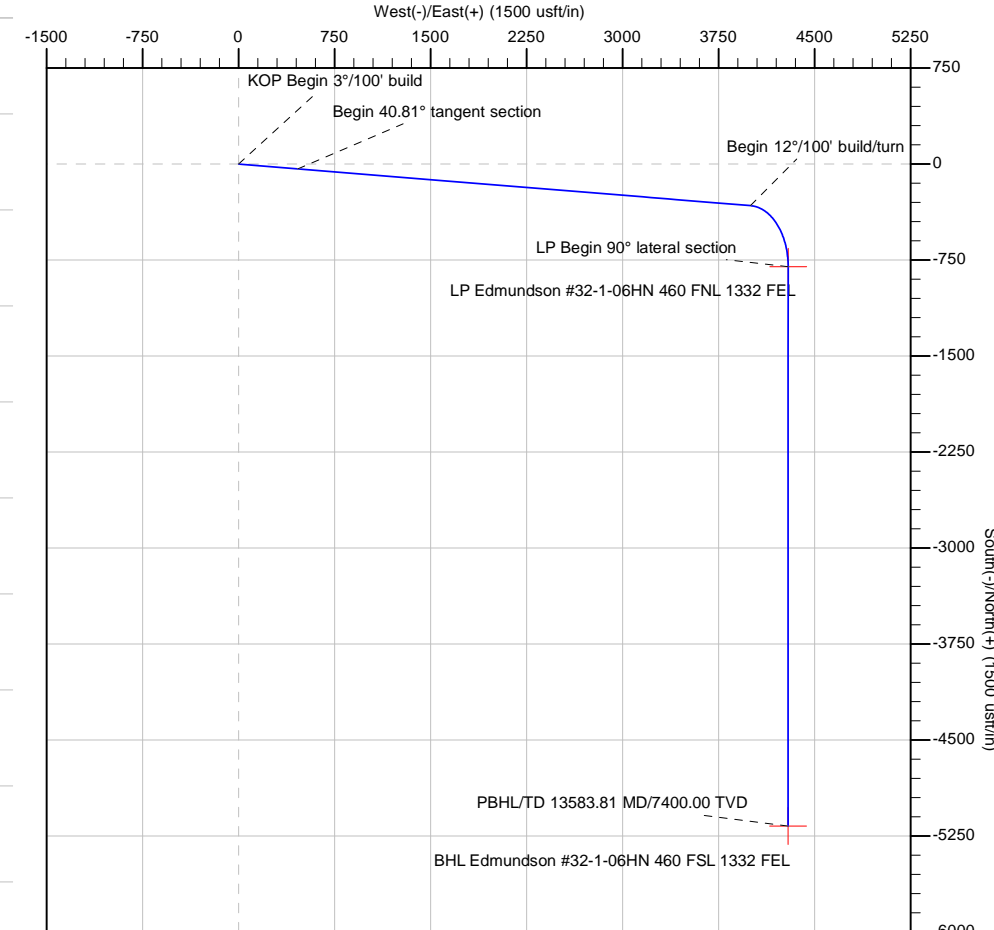
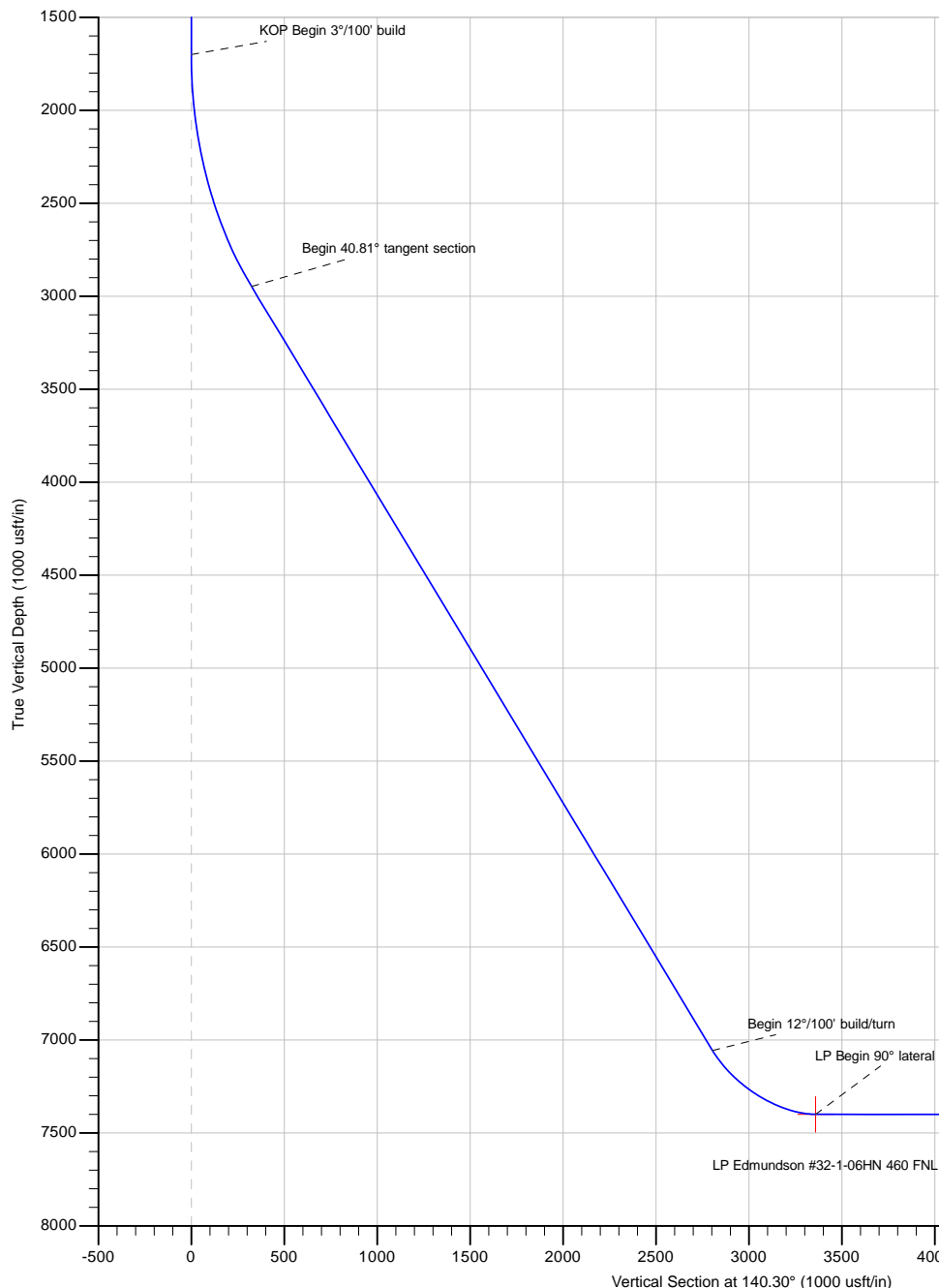




WARD PETROLEUM

Well: Edmundson #32-1-06HN
Site: Edmundson
Project: Adams County, Colorado
Design: rev0

Section Details										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' build
2	1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	Begin 40.81° tangent section
3	3060.47	40.81	94.64	2948.30	-37.56	462.89	3.00	94.64	324.59	Begin 12°/100' build/turn
4	8489.52	40.81	94.64	7057.18	-324.55	3999.73	0.00	0.00	2804.67	LP Begin 90° lateral section
5	9214.37	90.00	180.02	7400.00	-801.46	4294.66	12.00	86.50	3359.99	PBHL/TD 13583.81 MD/7400.00 TVD
6	13583.81	90.00	180.02	7400.00	-5170.90	4293.14	0.00	0.00	6720.81	BHL Edmundson #32-1-06HN 460 FSL 1332 FEL



T G M
 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=5059.4+17 @ 5076.40usft

Surf Loc: 365 FSL 298 FEL Section 30-T01S-R66W
 Northing: 1218054.47 Easting: 3193504.69 Latitude: 39.92987334 Longitude: -104.80999326
 Total Corr (M->G): To convert a Magnetic Direction to a Grid Direction, Add 7.77°