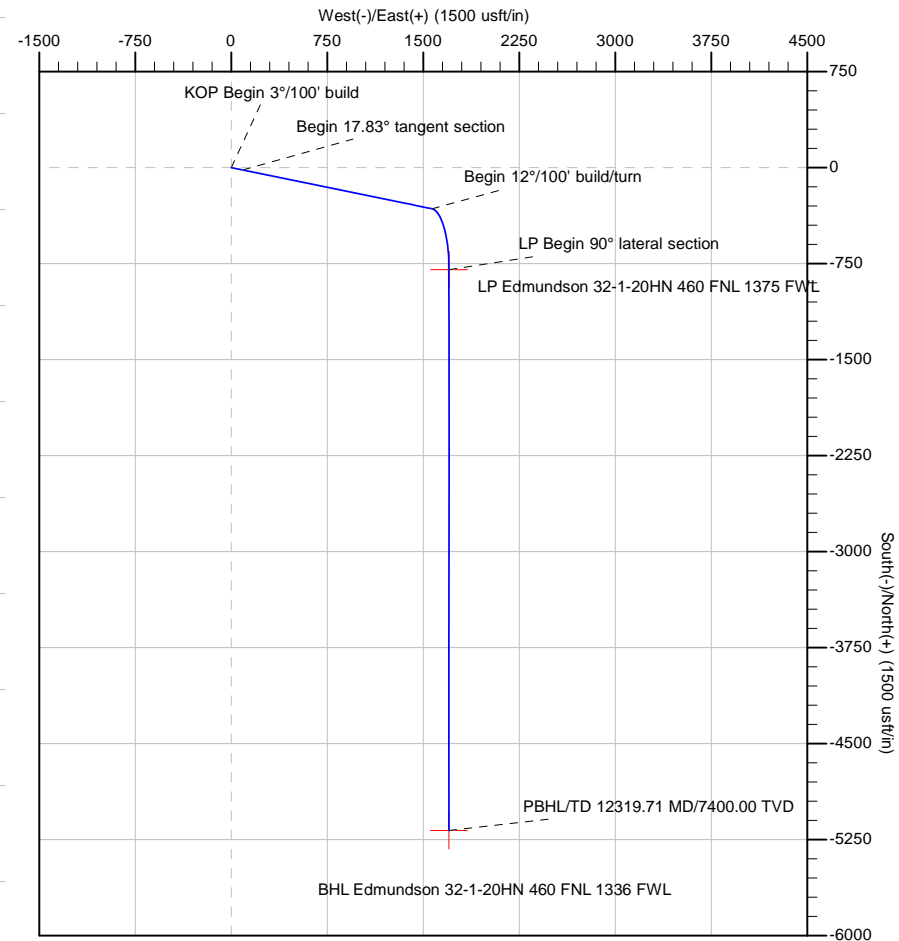
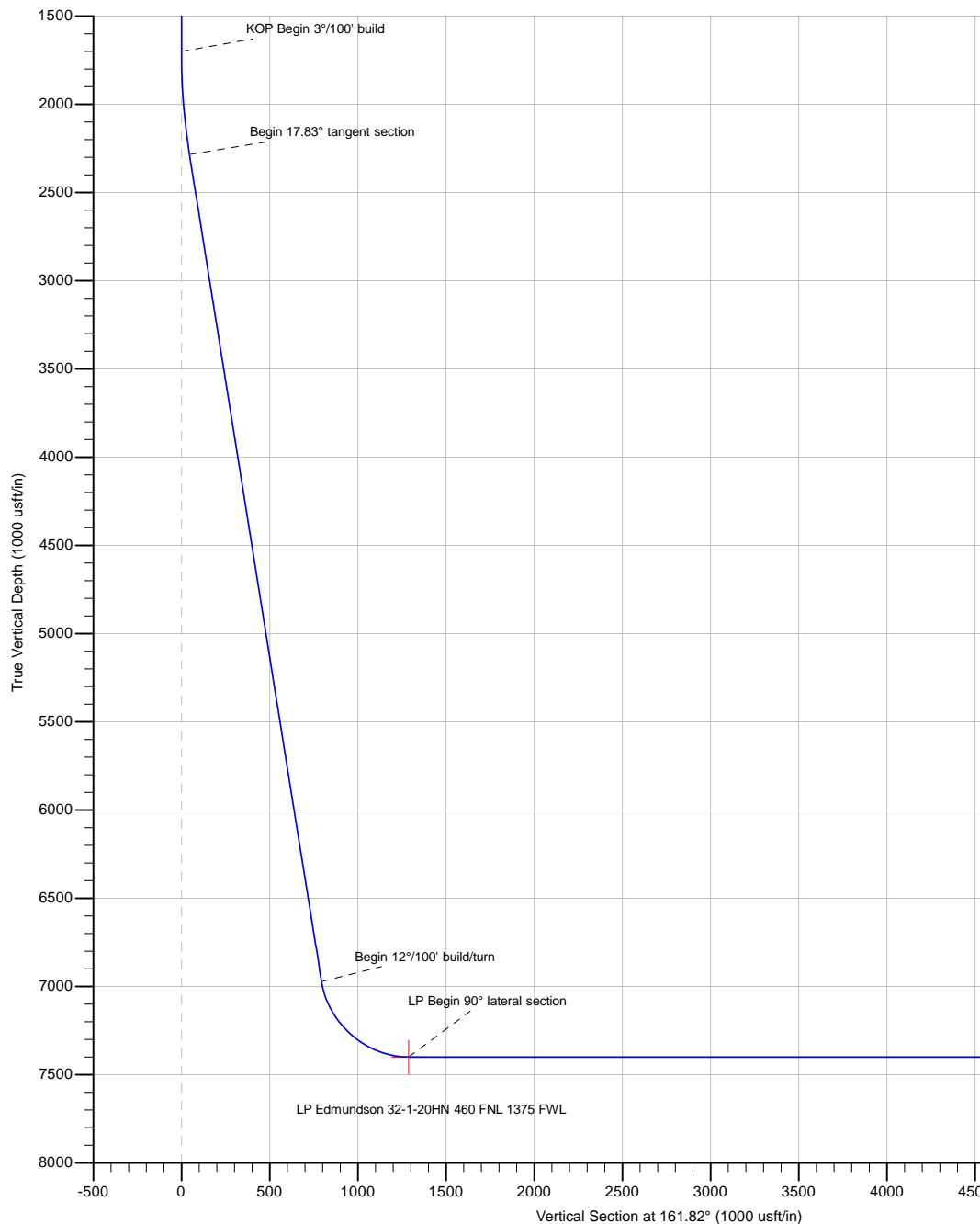




WARD PETROLEUM

Well: Edmundson #32-1-20HN
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	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 17.83° tangent section
3	2294.44	17.83	101.59	2284.89	-18.43	89.89	3.00	101.59	45.55	Begin 12°/100' build/turn
4	7218.73	17.83	101.59	6972.58	-321.30	1567.22	0.00	0.00	794.17	LP Begin 90° lateral section
5	7939.40	90.00	180.02	7400.00	-797.91	1701.76	12.00	78.98	1288.97	PBHL/TD 12319.71 MD/7400.00 TVD
6	12319.71	90.00	180.02	7400.00	-5178.22	1700.23	0.00	0.00	5450.21	



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=5059.6+17 @ 5076.60usft

Surf loc: 350 FSL 321 FEL Section 30-T01S-R66W
Northing: 1218039.23 Easting: 3193482.30 Latitude: 39.92983198 Longitude: -104.81007352