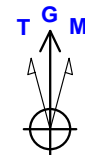
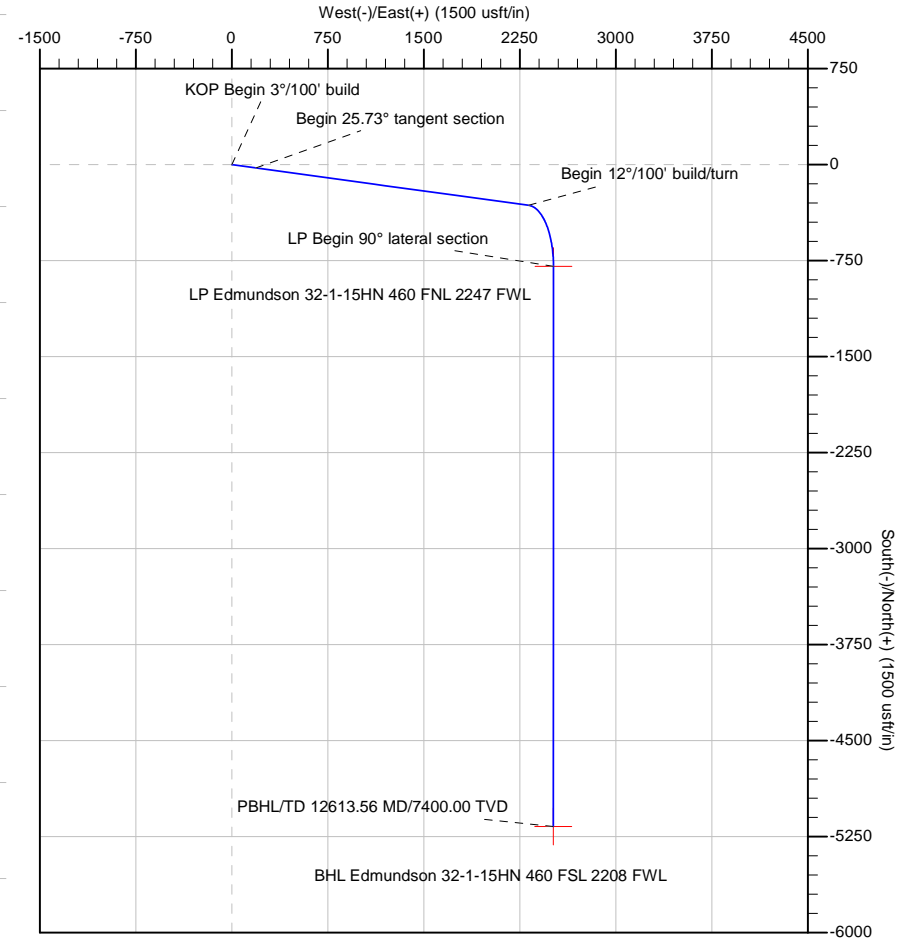
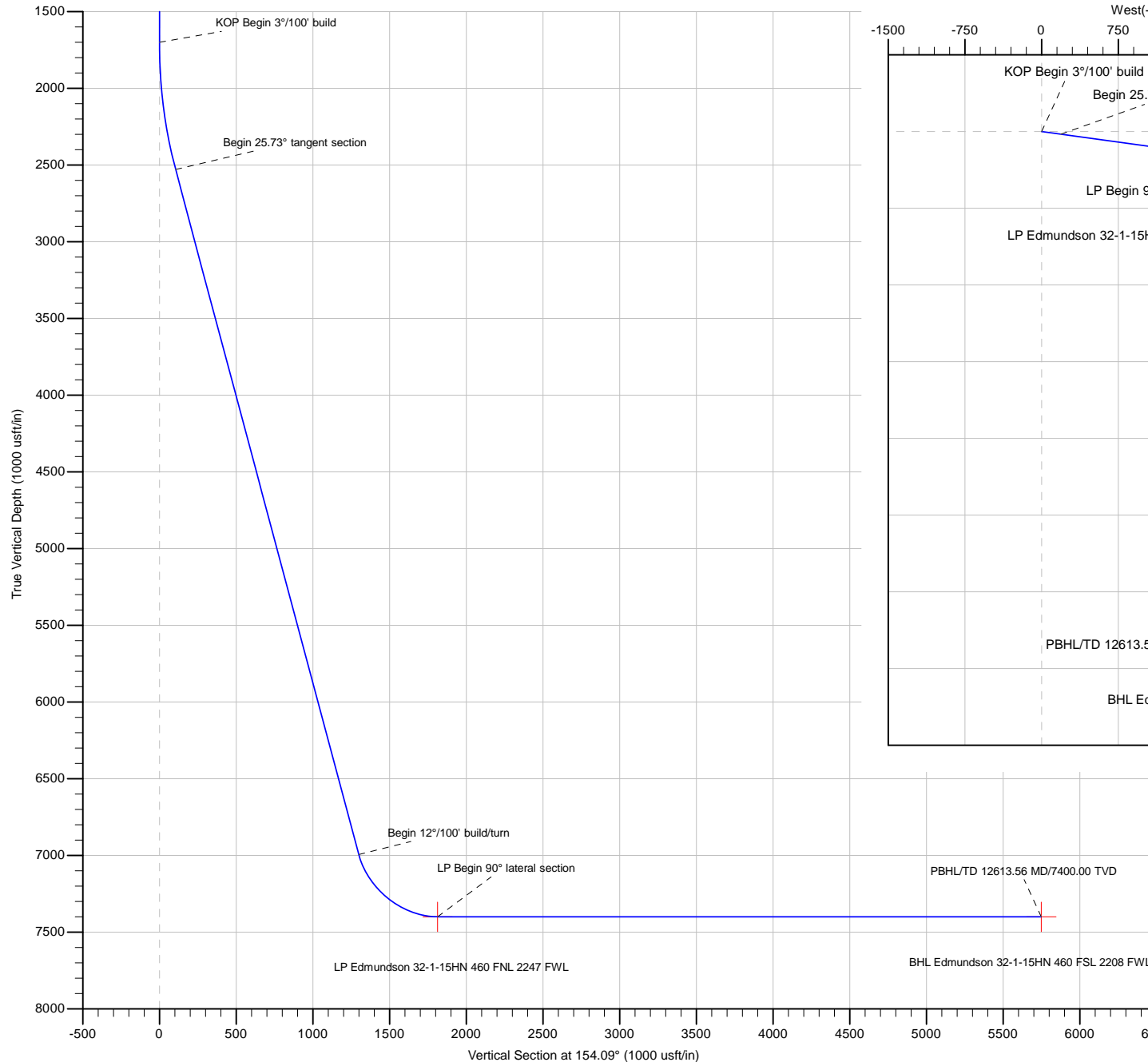




WARD PETROLEUM

Well: Edmundson #32-1-15HN
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	2557.82	25.73	97.80	2529.27	-25.72	187.68	3.00	97.80	105.14	Begin 25.73° tangent section
4	7514.69	25.73	97.80	6994.49	-317.97	2320.03	0.00	0.00	1299.67	Begin 12°/100' build/turn
5	8236.59	90.00	180.02	7400.00	-794.68	2513.53	12.00	82.98	1813.01	LP Begin 90° lateral section
6	12613.56	90.00	180.02	7400.00	-5171.65	2512.01	0.00	0.00	5749.45	PBHL/TD 12613.56 MD/7400.00 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=5059.9+17 @ 5076.90usft

Surf Loc: 349 FSL 261 FEL Section 30-T01S-R66W
Northing: 1218039.84 Easting: 3193542.29 Latitude: 39.92983238 Longitude: -104.80985959