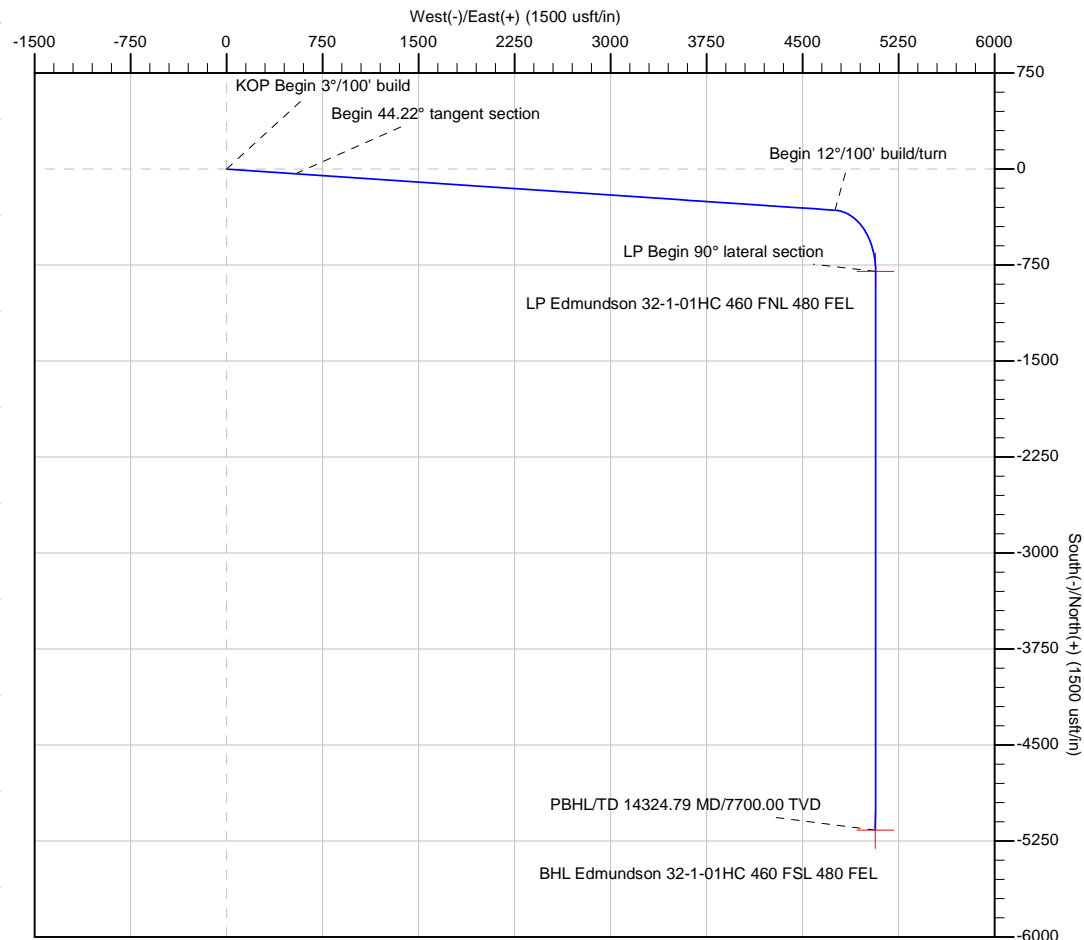
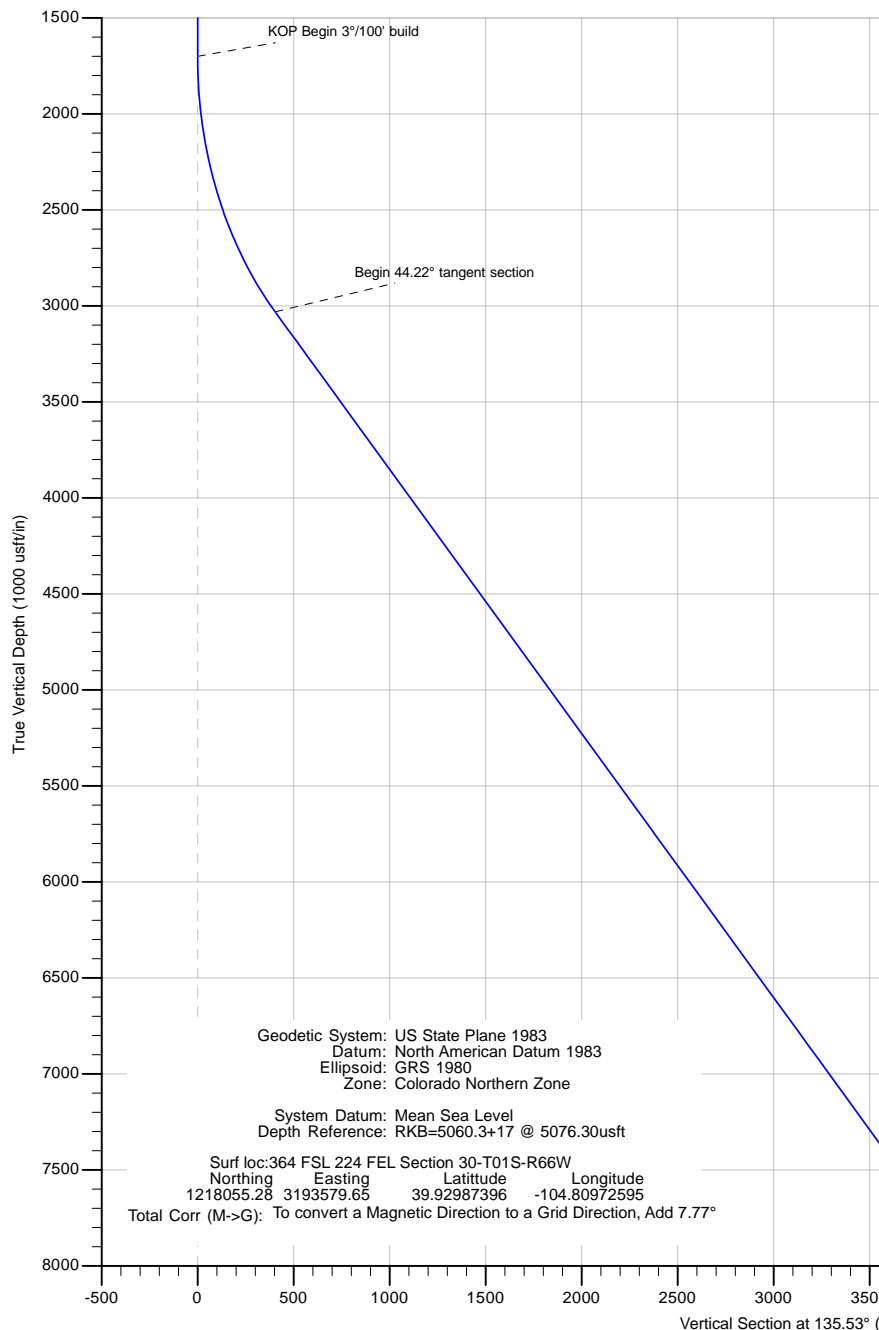




**WARD PETROLEUM**

**Well: Edmundson #32-1-01HC**  
**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 44.22° tangent section
3	3173.88	44.22	93.87	3031.88	-36.49	539.81	3.00	93.87	404.21	Begin 12°/100' build/turn
4	9231.51	44.22	93.87	7373.45	-321.36	4754.61	0.00	0.00	3560.29	LP Begin 90° lateral section
5	9959.17	90.00	180.02	7700.00	-798.41	5071.47	12.00	87.24	4122.68	PBHL/TD 14324.79 MD/7700.00 TVD
6	14324.79	90.00	180.02	7700.00	-5164.03	5069.96	0.00	0.00	7236.83	BHL Edmundson 32-1-01HC 460 FSL 480 FEL



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

Magnetic Field  
 Strength: 52159.5nT  
 Dip Angle: 66.47°  
 Date: 4/16/2017  
 Model: IGRF2015