



WARD PETROLEUM

Well: Brighton Lakes #3031-1-09HN
Site: Brighton Lakes
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	2586.10	26.58	263.74	2554.65	-22.02	-200.69	3.00	263.74	70.16	Begin 26.58° tangent section
4	7660.21	26.58	263.74	7092.37	-269.71	-2457.77	0.00	0.00	859.22	Begin 12°/100' build/turn
5	8388.07	90.00	179.69	7500.00	-747.77	-2658.02	12.00	-84.68	1371.63	LP Begin 90.00° lateral section
6	18032.63	90.00	179.69	7500.00	-10392.19	-2605.04	0.00	0.00	0713.72	PBHL/TD 18032.63 MD/7500.00 TVD

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=5048.7+17 @ 5065.70usft

Surface details
Northing 1223227.46 Easting 3194802.51 Latitude 39.94404599 Longitude -104.80522110

Total Corr (M->G): To convert a Magnetic Direction to a Grid Direction, Add 7.78°



Azimuths to Grid North
True North: -0.45°
Magnetic North: 7.78°

Magnetic Field
Strength: 52190.5nT
Dip Angle: 66.49°
Date: 2/1/2017
Model: IGRF2015

