



WARD PETROLEUM

Well: Brighton Lakes #3031-1-08HN
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	2492.53	23.78	263.05	2469.98	-19.60	-160.90	3.00	263.05	53.99	Begin 23.78° tangent section
4	7533.31	23.78	263.05	7082.95	-265.36	-2178.22	0.00	0.00	730.88	Begin 12°/100' build/turn
5	8261.07	90.00	179.69	7500.00	-743.30	-2358.10	12.00	-83.93	1236.44	LP Begin 90.00° lateral section
6	17907.26	90.00	179.69	7500.00	-10389.34	-2305.14	0.00	0.00	0641.99	PBHL/TD 17907.26 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 1223227.56 Easting 3194832.51 Latitude 39.94404562 Longitude -104.80511411

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

