



Well Name: WAAG 8  
 Surface Location: WAAG MIDDLE  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4886.0  
 WELL @ 4902.0ft (Xtreme 7)

+N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1448388.02 3220340.68 40° 33' 41.472 N 104° 42' 25.056 W WAAG 8

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.0	
3	1422.2	10.44	20.76	1419.3	44.4	16.8	2.00	20.76	-7.7	
4	6096.0	10.44	20.76	6015.7	836.5	317.2	0.00	0.00	-145.4	
5	56618.2	0.00	0.00	6535.0	880.9	334.0	2.00	180.00	-153.1	
6	66648.2	0.00	0.00	6565.0	880.9	334.0	0.00	0.00	-153.1	
7	7548.2	90.00	270.80	7138.0	888.9	-238.9	10.00	270.80	410.1	
8	82021.8	90.00	270.80	7138.0	951.3	-4712.1	0.00	0.00	4807.2	TD / PBHL WAAG MIDDLE 8



Azimuths to True North  
 Magnetic North: 8.42°  
 Magnetic Field  
 Strength: 52889.7snT  
 Dip Angle: 67.08°  
 Date: 8/7/2014  
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
LP WAAG MIDDLE 8	7138.0	888.9	-238.9	40° 33' 50.256 N	104° 42' 28.152 W	Point
TD / PBHL WAAG MIDDLE 8	7138.0	951.3	-4712.1	40° 33' 50.868 N	104° 43' 26.112 W	Point

FORMATION TOP DETAILS

TVD	Path	MD	Path	Formation
3610.0	3649.8			PARKMAN
4337.0	4389.0			SUSSEX
4730.0	4788.7			SHANNON
7008.0	7154.6			NIOBRARA

