



Well Name: WAAG 11
Surface Location: WAAG MIDDLE
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4885.0
WELL @ 4901.0ft (Xtreme 7)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1448304.24	3220341.42	40° 33' 40.644 N	104° 42' 25.056 W	WAAG 11

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	1137.4	4.75	47.09	1137.2	6.7	7.2	2.00	47.09	-6.6	
4	6315.9	4.75	47.09	6297.8	298.6	321.2	0.00	0.00	-296.4	
5	6553.3	0.00	0.00	6535.0	305.3	328.4	2.00	180.00	-303.1	
6	6583.3	0.00	0.00	6565.0	305.3	328.4	0.00	0.00	-303.1	
7	7483.3	90.00	270.80	7138.0	313.3	-244.5	10.00	270.80	268.6	
8	1948.7	90.00	270.80	7138.0	375.7	-4709.4	0.00	0.00	4724.4	TD / PBHL WAAG MIDDLE 11



Azimuths to True North
Magnetic North: 8.42°

Magnetic Field
Strength: 52889.6snT
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 11	7138.0	313.3	-244.5	40° 33' 43.740 N	104° 42' 28.224 W	Point
TD / PBHL WAAG MIDDLE 11	7138.0	375.7	-4709.4	40° 33' 44.352 N	104° 43' 26.076 W	Point

FORMATION TOP DETAILS

TVDP	MDP	Path	Formation
3610.0	3618.8		PARKMAN
4337.0	4348.3		SUSSEX
4730.0	4742.6		SHANNON
7008.0	7089.7		NIOBRARA

