



Well Name: WAAG 22  
Surface Location: WAAG SOUTH  
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
Ground Elevation: 4868.0  
WELL @ 4884.0ft (Xtreme 7)

+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.0 0.0 1445760.46 3220253.02 40° 33' 15.516 N 104° 42' 26.496 W WAAG 22

#### 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	1182.9	5.66	49.84	1182.4	9.0	10.7	2.00	49.84	-9.8	
4	6475.8	5.66	49.84	6449.6	345.5	409.4	0.00	0.00	-377.2	
5	56758.7	0.00	0.00	6732.0	354.5	420.1	2.00	180.00	-387.0	
6	66788.7	0.00	0.00	6762.0	354.5	420.1	0.00	0.00	-387.0	
7	76888.7	90.00	270.62	7335.0	360.7	-152.8	10.00	270.62	184.2	
8	2123.8	90.00	270.61	7335.0	408.5	-4587.7	0.00	0.00	4605.8	TD / PBHL WAAG SOUTH 22



Azimuths to True North  
Magnetic North: 8.42°

Magnetic Field  
Strength: 52887.2snT  
Dip Angle: 67.07°  
Date: 8/3/2014  
Model: IGRF2010

#### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
LP WAAG SOUTH 22	7335.0	360.7	-152.8	40° 33' 19.080 N	104° 42' 28.476 W	Point
TD / PBHL WAAG SOUTH 22	7335.0	408.5	-4587.7	40° 33' 19.548 N	104° 43' 25.932 W	Point

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3610.0	3622.3	PARKMAN
4337.0	4352.9	SUSSEX
4730.0	4747.8	SHANNON
7008.0	7043.0	NIOBRARA
7148.0	7212.2	NIO B TARGET
7292.0	7465.4	FORT HAYS
7325.0	7581.7	CODELL

