



Well Name: WAAG 24
Surface Location: WAAG SOUTH
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4867.0
WELL @ 4883.0ft (Xtreme 7)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1445723.65	3220211.67	40° 33' 15.156 N	104° 42' 27.036 W	WAAG 24

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	1148.3	4.97	102.91	1148.0	-2.4	10.5	2.00	102.91	-10.5	
4	46306.7	4.97	102.91	6287.0	-102.2	445.7	0.00	0.00	-444.6	
5	65655.0	0.00	0.00	6535.0	-104.6	456.2	2.00	180.00	-455.0	
6	66585.0	0.00	0.00	6565.0	-104.6	456.2	0.00	0.00	-455.0	
7	77485.0	90.00	270.62	7138.0	-98.4	-116.7	10.00	270.62	117.8	
8	11911.8	90.00	270.62	7138.0	-50.6	-4543.3	0.00	0.00	4543.6	TD / PBHL WAAG SOUTH 24



Azimuths to True North
Magnetic North: 8.42°

Magnetic Field
Strength: 52887.1snT
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 24	7138.0	-98.4	-116.7	40° 33' 14.184 N	104° 42' 28.548 W	Point
TD / PBHL WAAG SOUTH 24	7138.0	-50.6	-4543.3	40° 33' 14.652 N	104° 43' 25.896 W	Point

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3610.0	3619.6	PARKMAN
4337.0	4349.3	SUSSEX
4730.0	4743.8	SHANNON
7008.0	7091.4	NIOBRARA

