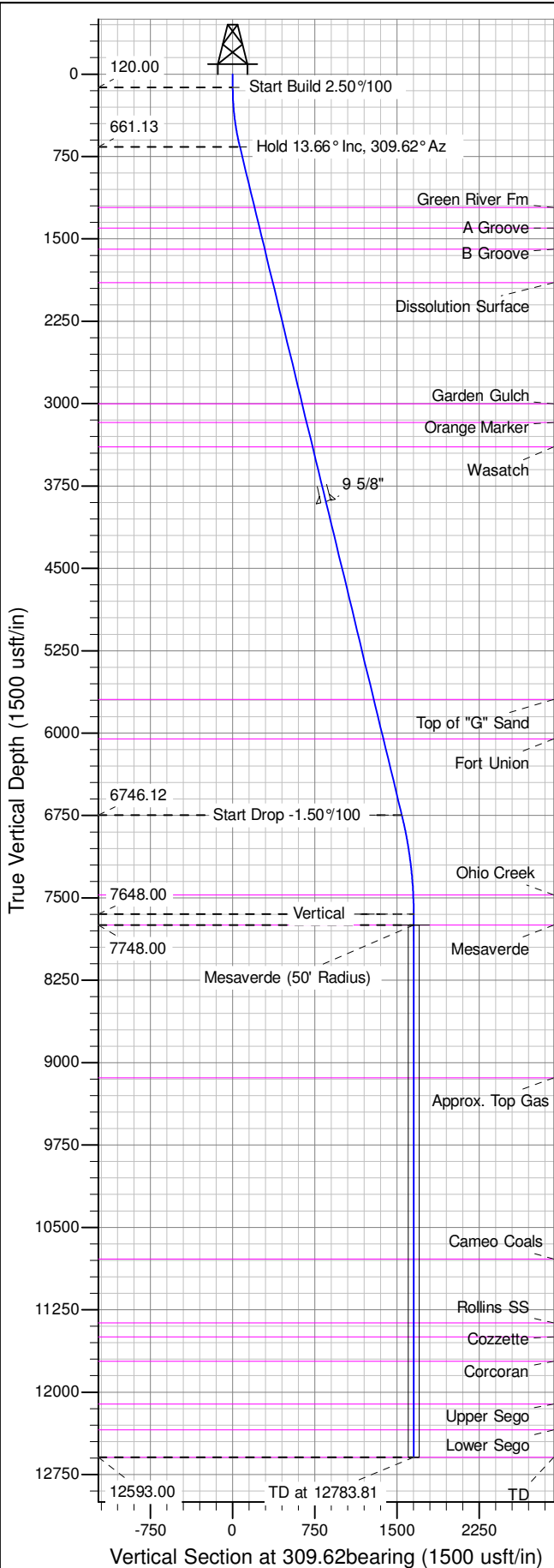
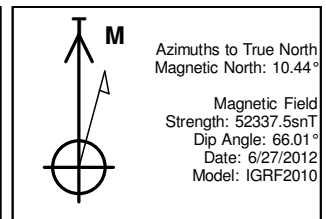
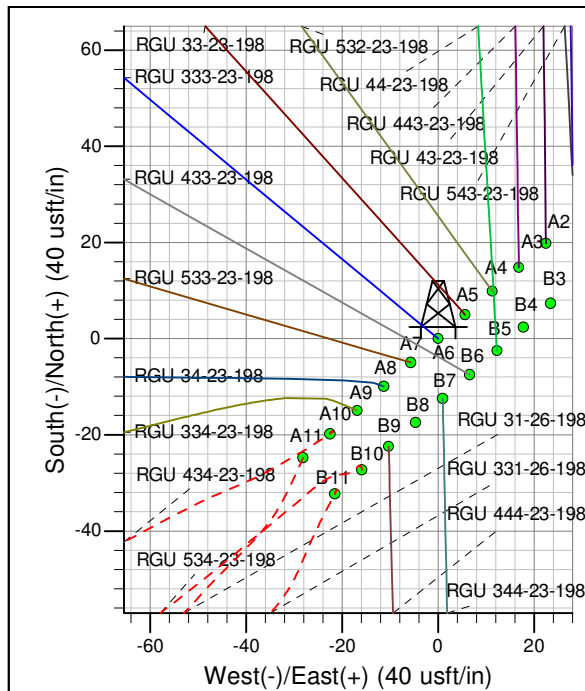
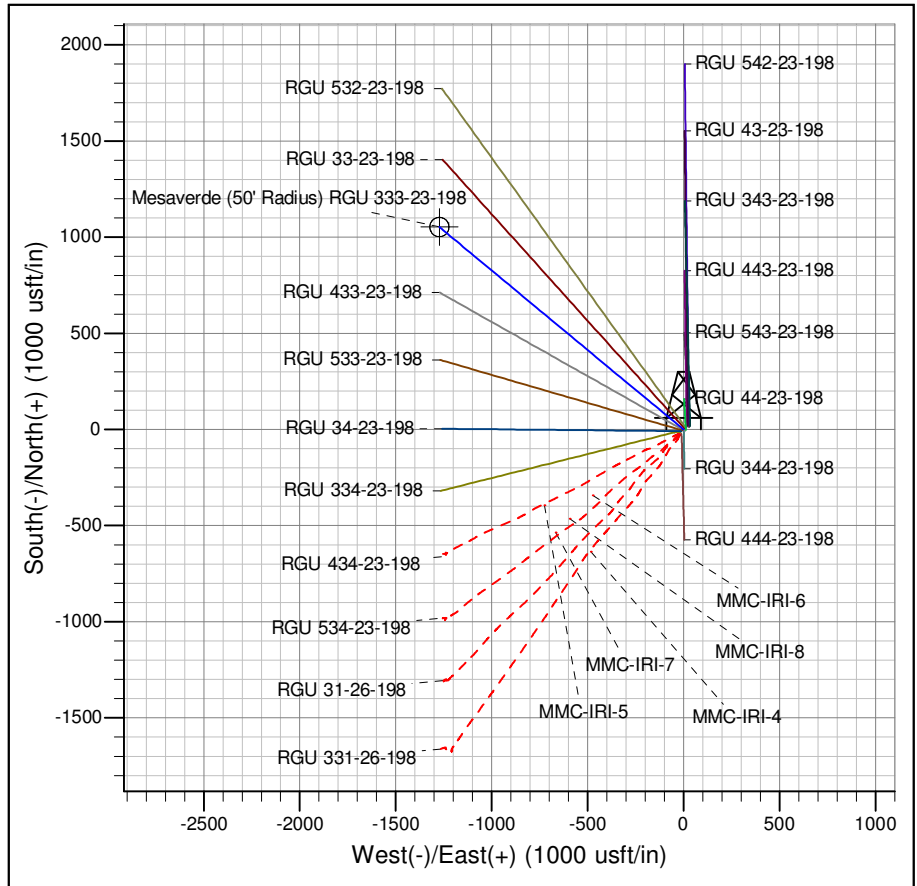




Well Name: RGU 333-23-198
Surface Location: RGU 43-23-198 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6567.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1781572.20000 2199962.30000 39.94473 -108.35366 A6
KB @ 6592.00usft (Aztec 1000)



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
120.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build	2.50°/100
661.13	666.29	13.66	309.62	41.32	-49.91	64.80	64.80	Hold	13.66° Inc, 309.62° Az
6746.12	6928.33	13.66	309.62	984.22	-1188.80	1543.35	1543.35	Start Drop	-1.50°/100
7648.00	7838.81	0.00	0.00	1053.09	-1271.98	1651.35	1651.35	Vertical	
7748.00	7938.81	0.00	0.00	1053.09	-1271.98	1651.35	1651.35	Mesaverde	
12593.00	12783.81	0.00	0.00	1053.09	-1271.98	1651.35	1651.35	TD at	12783.81



Azimuths to True North
Magnetic North: 10.44°
Magnetic Field
Strength: 52337.5snT
Dip Angle: 66.01°
Date: 6/27/2012
Model: IGRF2010
Project: RG 23-01S-098W
Site: RGU 43-23-198 Pad
Well: RGU 333-23-198
Design #4 18Nov14 mab