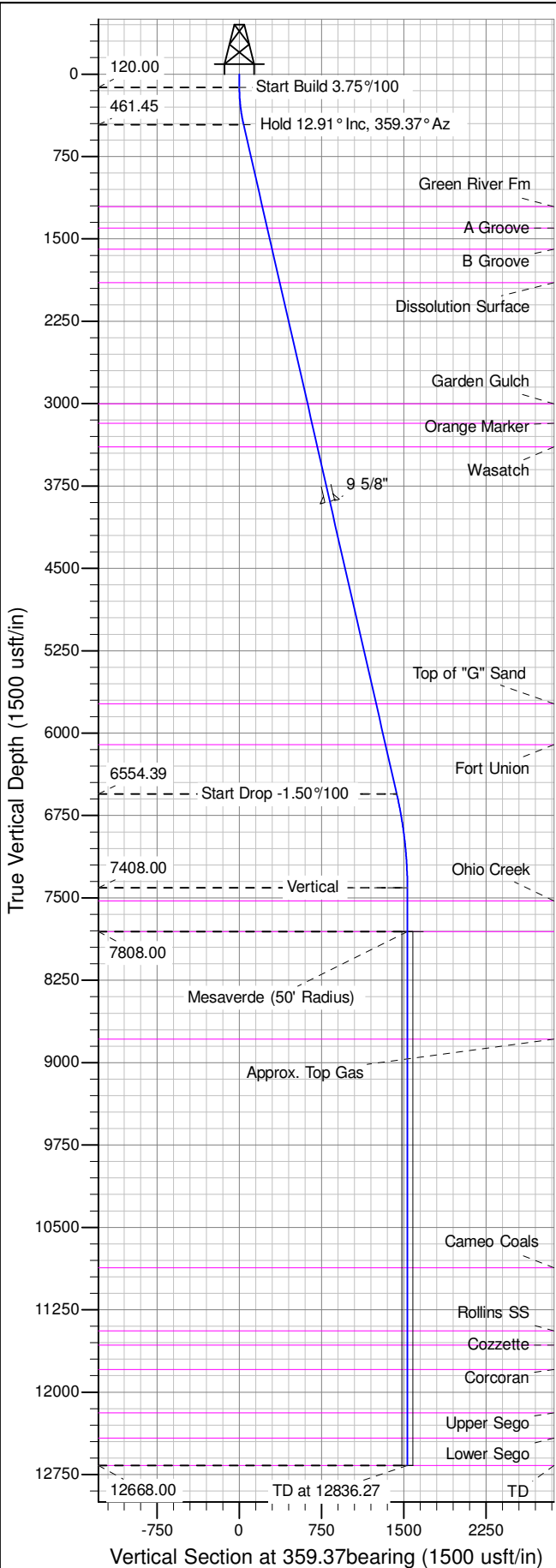


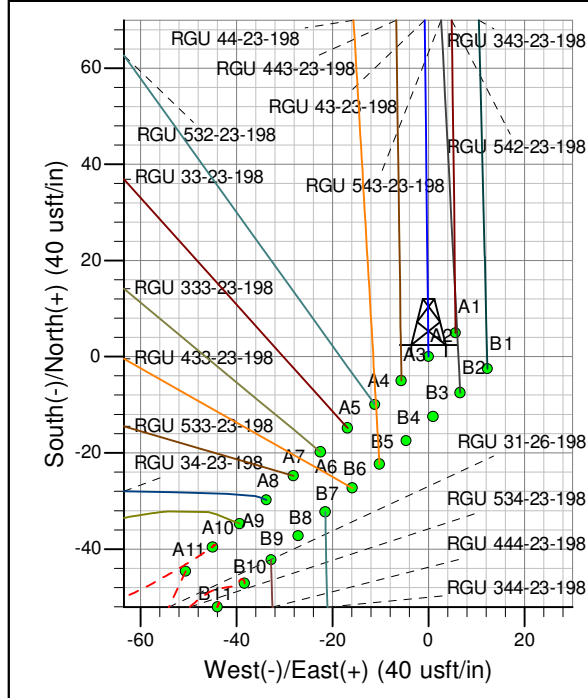
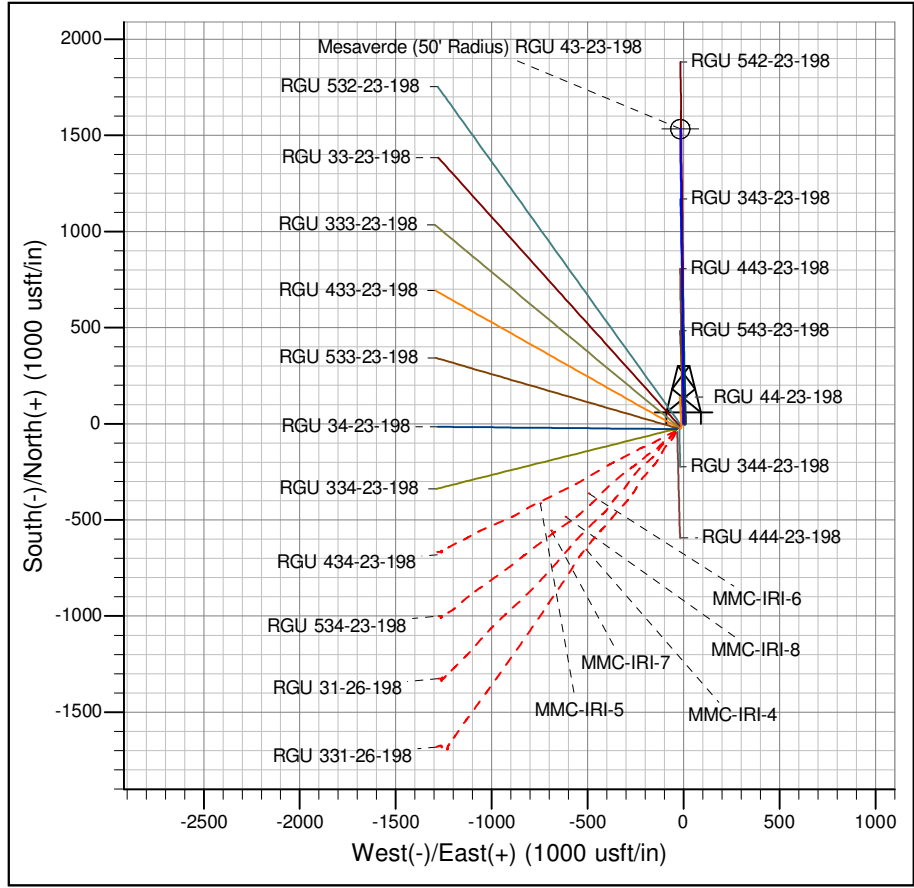


Well Name: RGU 43-23-198
 Surface Location: RGU 43-23-198 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 6567.00
 +N/-S 0.00 +E/-W 0.00 Northing 1781591.30000 Easting 2199985.40000 Latitude 39.94479 Longitude -108.35358 Slot A2
 KB @ 6592.00usft (Aztec 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 3.75%100
461.45	464.35	12.91	359.37	38.64	-0.43	38.64	38.64	Hold 12.91° Inc, 359.37° Az
6554.39	6715.39	12.91	359.37	1435.51	-15.80	1435.59	1435.59	Start Drop -1.50%100
7408.00	7576.27	0.00	0.00	1532.10	-16.86	1532.19	1532.19	Vertical
7808.00	7976.27	0.00	0.00	1532.10	-16.86	1532.19	1532.19	Mesaverde
12668.00	12836.27	0.00	0.00	1532.10	-16.86	1532.19	1532.19	TD at 12836.27



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 43-23-198
 Design #4 18Nov14 mab