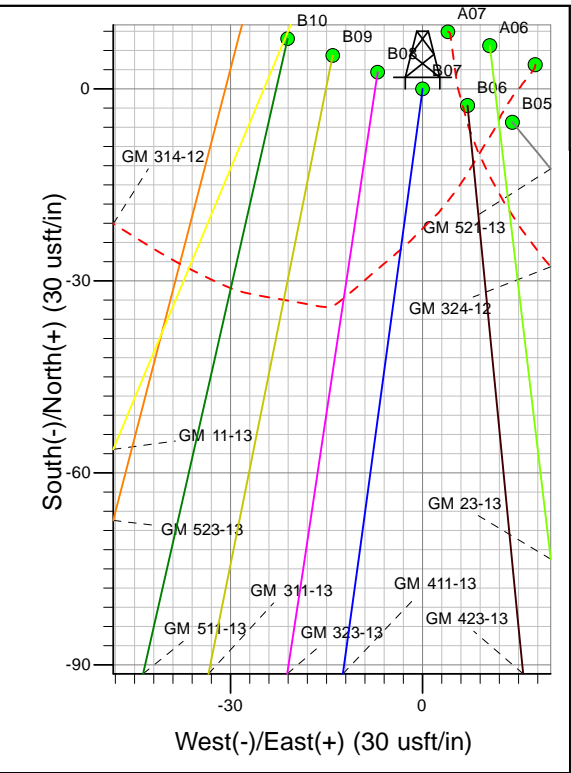
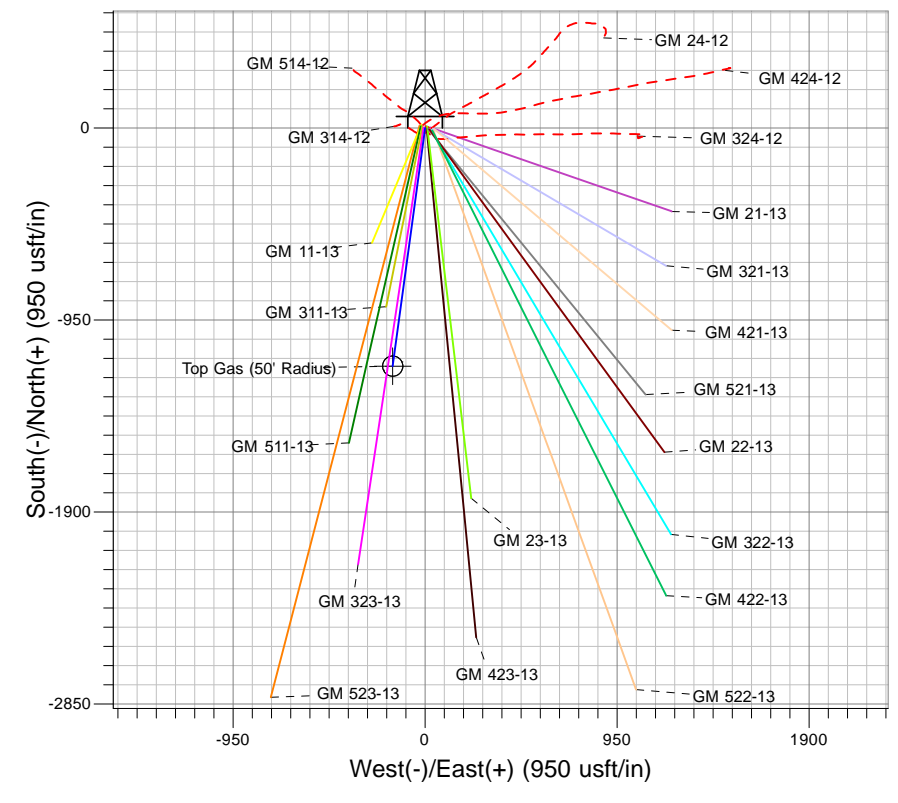
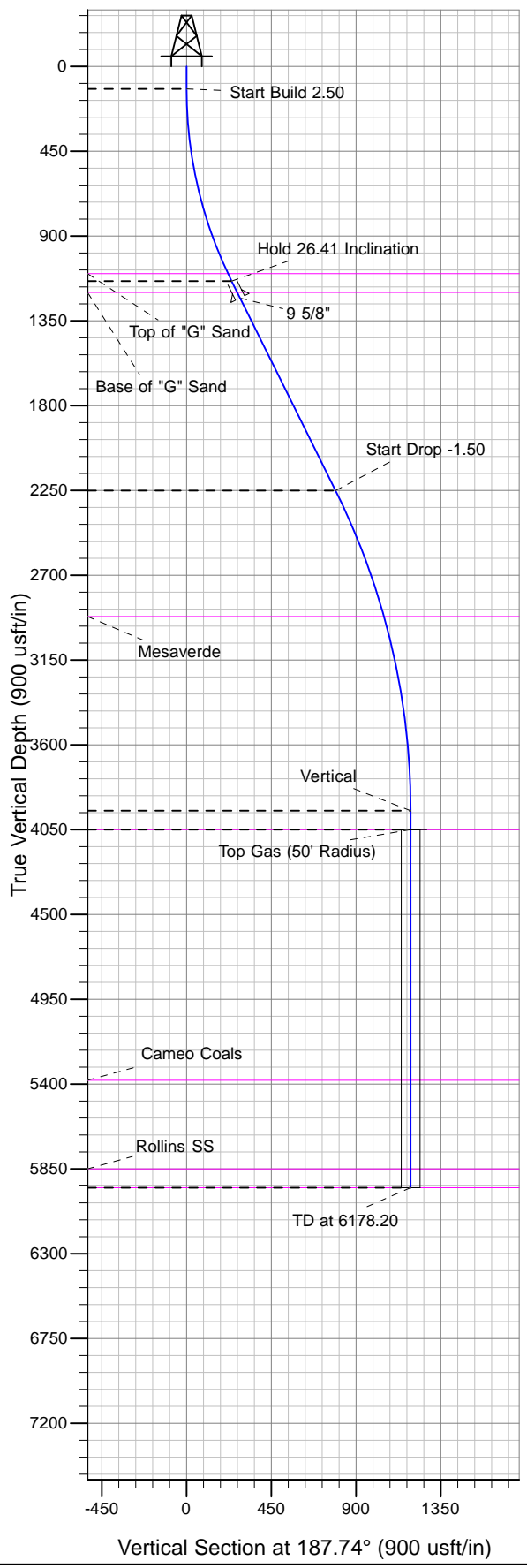




Well Name: GM 411-13
 Surface Location: GM 24-12 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 5141.00
 +N/-S 0.00 +E/-W 0.00 Northing 1597423.17 Easting 2275841.59 Latitude 39.44563 Longitude -108.06462 Slot B07
 KELLY BUSHING @ 5163.00usft (Cyclone 17 (22' RKB) kjs)



Project: GV 12-07S-096W
 Site: GM 24-12 Pad
 Well: GM 411-13
 Design #1 02May13 kjs

T M
 Azimuths to True North
 Magnetic North: 10.11°
 Magnetic Field
 Strength: 52071.1snT
 Dip Angle: 65.65°
 Date: 5/2/2013
 Model: IGRF2005-10

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
1139.25	1176.25	26.41	187.74	-236.94	-32.21	239.12	239.12	Hold 26.41 Inclination
2251.25	2417.78	26.41	187.74	-784.06	-106.58	791.27	791.27	Start Drop -1.50
3950.00	4178.20	0.00	0.00	-1178.96	-160.26	1189.81	1189.81	Vertical
4050.00	4278.20	0.00	0.00	-1178.96	-160.26	1189.81	1189.81	Top Gas
5950.00	6178.20	0.00	0.00	-1178.96	-160.26	1189.81	1189.81	TD at 6178.20