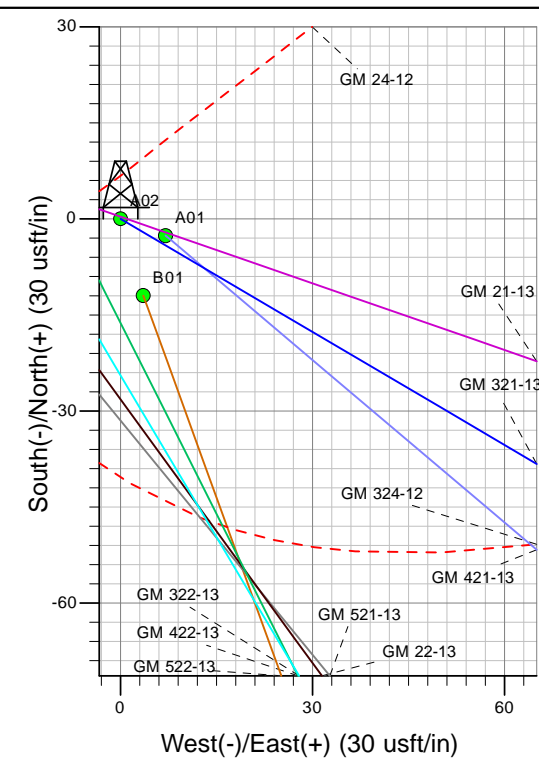
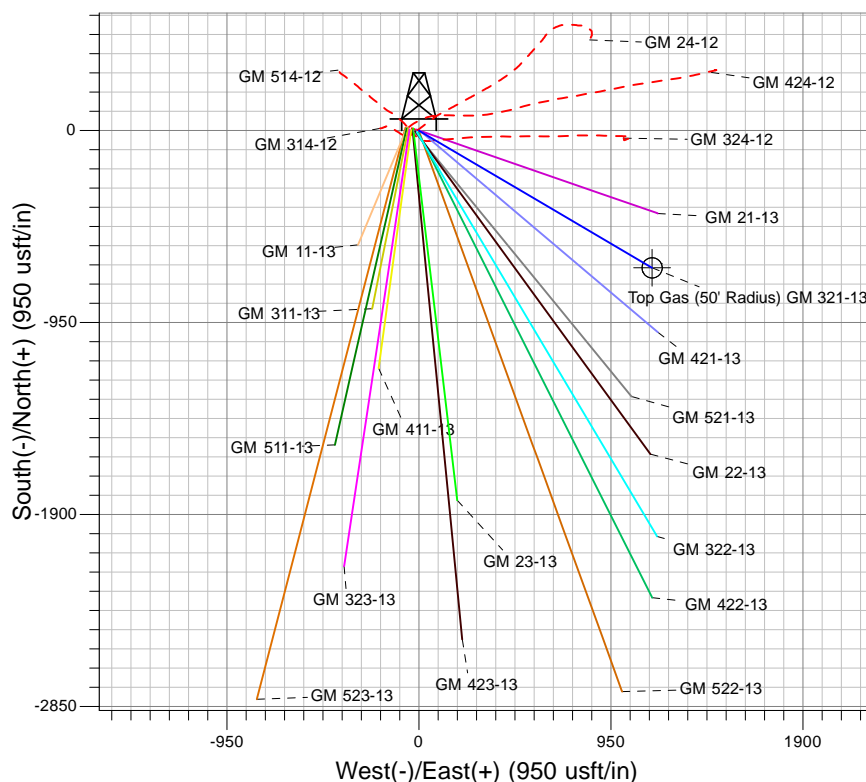
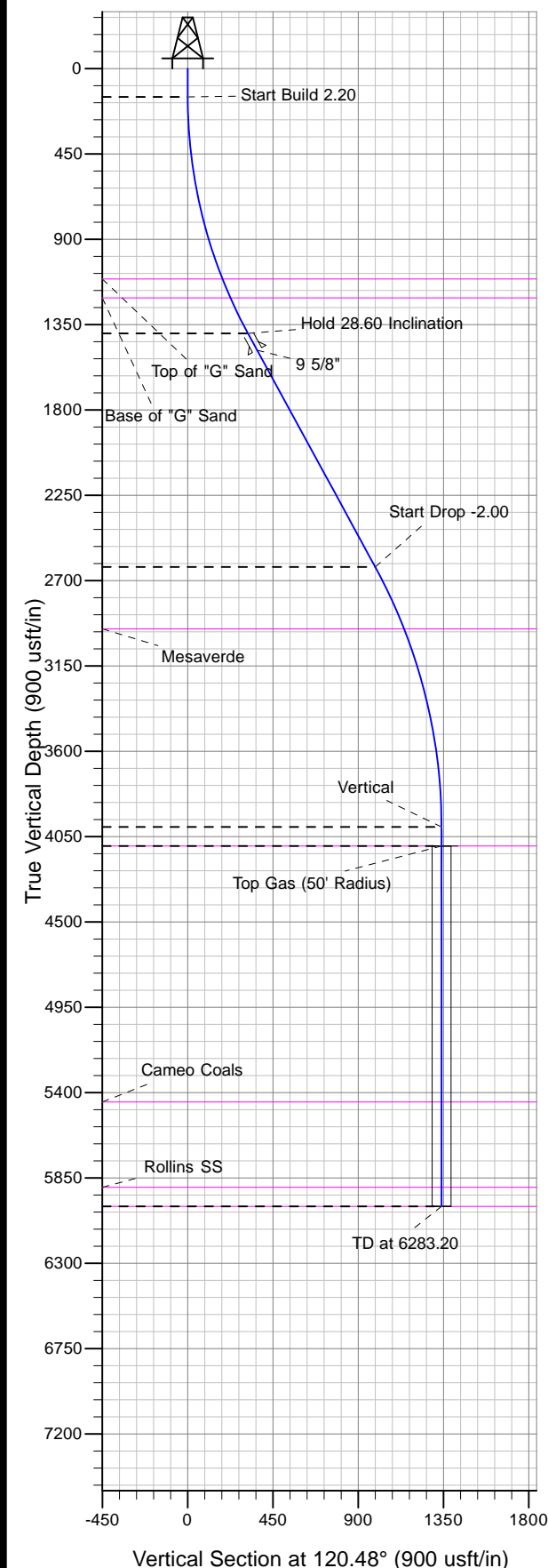




Well Name: GM 321-13  
Surface Location: GM 24-12 Pad  
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
Ground Elevation: 5141.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1597418.41	2275880.09	39.44562	-108.06448	A02

KELLY BUSHING @ 5163.00usft (Cyclone 17 (22' RKB) kjs)



Project: GV 12-07S-096W  
Site: GM 24-12 Pad  
Well: GM 321-13  
Design #1 02May13 kjs

Compass rose showing True North (T) and Magnetic North (M).

Azimuths to True North  
Magnetic North: 10.11°

Magnetic Field  
Strength: 52071.1nT  
Dip Angle: 65.65°  
Date: 5/2/2013  
Model: IGRF2005-10

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
150.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.20
1396.75	1450.07	28.60	120.48	-161.21	273.89	317.81	317.81	Hold 28.60 Inclination
2628.58	2853.12	28.60	120.48	-501.91	852.72	989.47	989.47	Start Drop -2.00
4000.00	4283.20	0.00	0.00	-679.24	1154.00	1339.06	1339.06	Vertical
4100.00	4383.20	0.00	0.00	-679.24	1154.00	1339.06	1339.06	Top Gas
6000.00	6283.20	0.00	0.00	-679.24	1154.00	1339.06	1339.06	TD at 6283.20