



+N/-S  
0.00

+E/-W  
0.00

Northing  
1597414.75

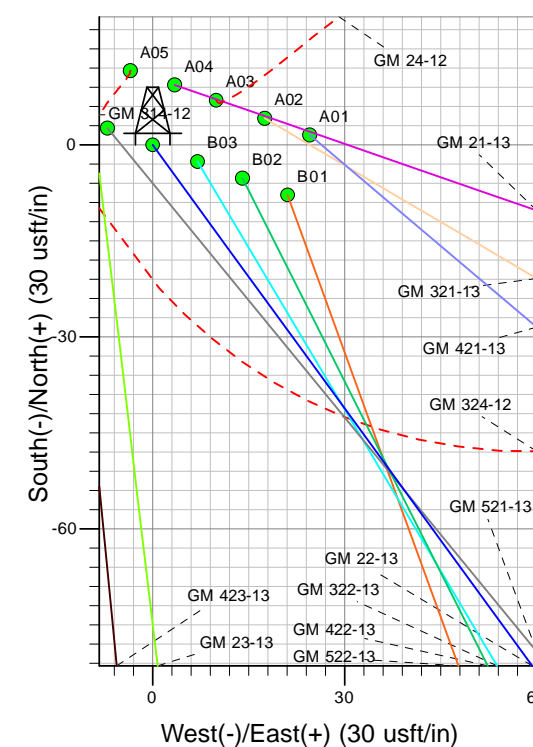
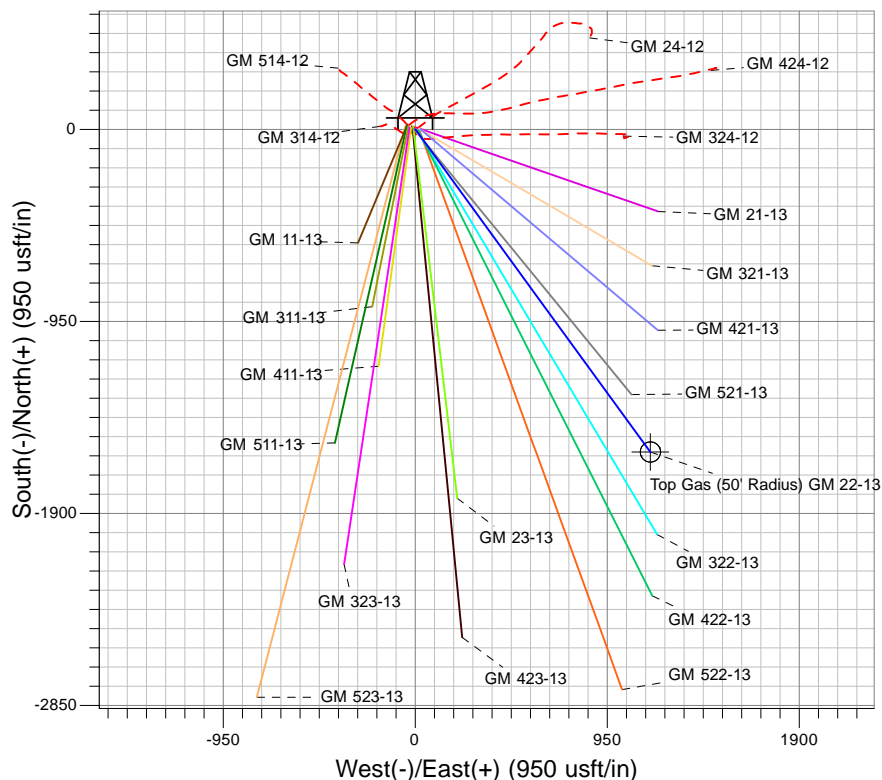
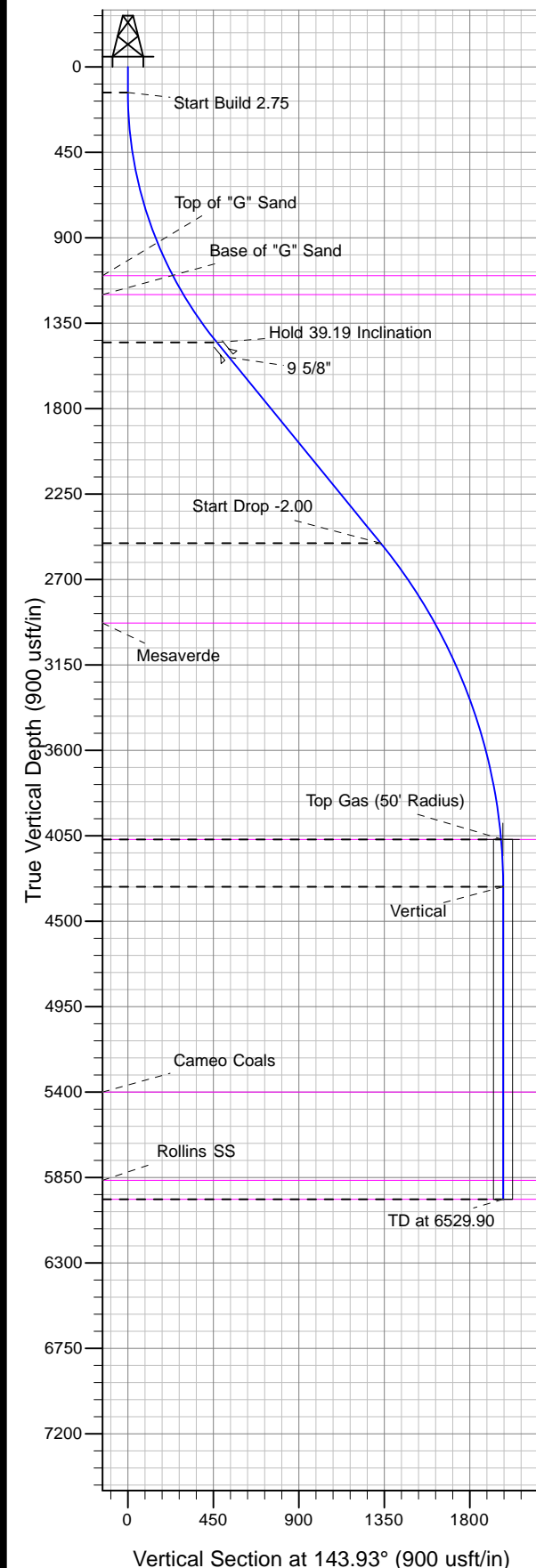
Easting  
2275862.45

Latitude  
39.44561

Longitude  
-108.06454

Slot  
B04

Well Name: GM 22-13  
Surface Location: GM 24-12 Pad  
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
Ground Elevation: 5141.00  
KELLY BUSHING @ 5163.00usft (Cyclone 17 (22' RKB) kjs)



Project: GV 12-07S-096W  
Site: GM 24-12 Pad  
Well: GM 22-13  
Design #1 02May13 kjs



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
135.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.75
1451.62	1560.20	39.19	143.93	-378.88	275.97	468.74	468.74	Hold 39.19 Inclination
2509.32	2924.93	39.19	143.93	-1075.99	783.74	1331.16	1331.16	Start Drop -2.00
4070.00	4634.58	5.00	143.93	-1588.14	1156.78	1964.77	1964.77	Top Gas
4319.68	4884.58	0.00	0.00	-1596.95	1163.20	1975.68	1975.68	Vertical
5965.00	6529.90	0.00	0.00	-1596.95	1163.20	1975.68	1975.68	TD at 6529.90