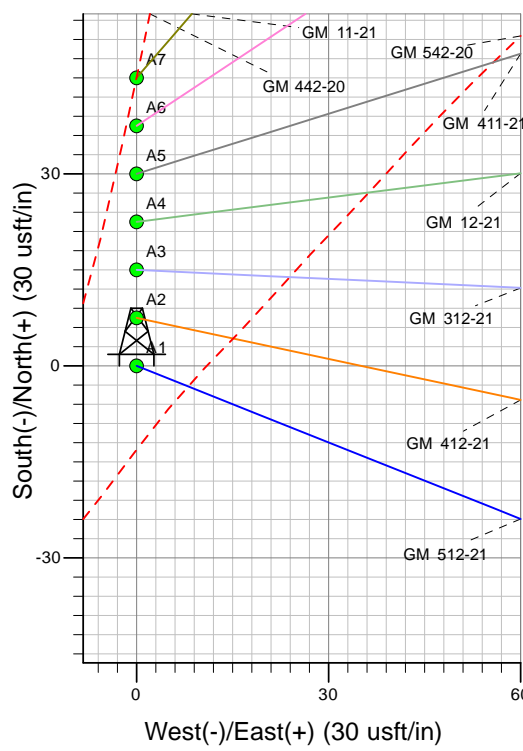
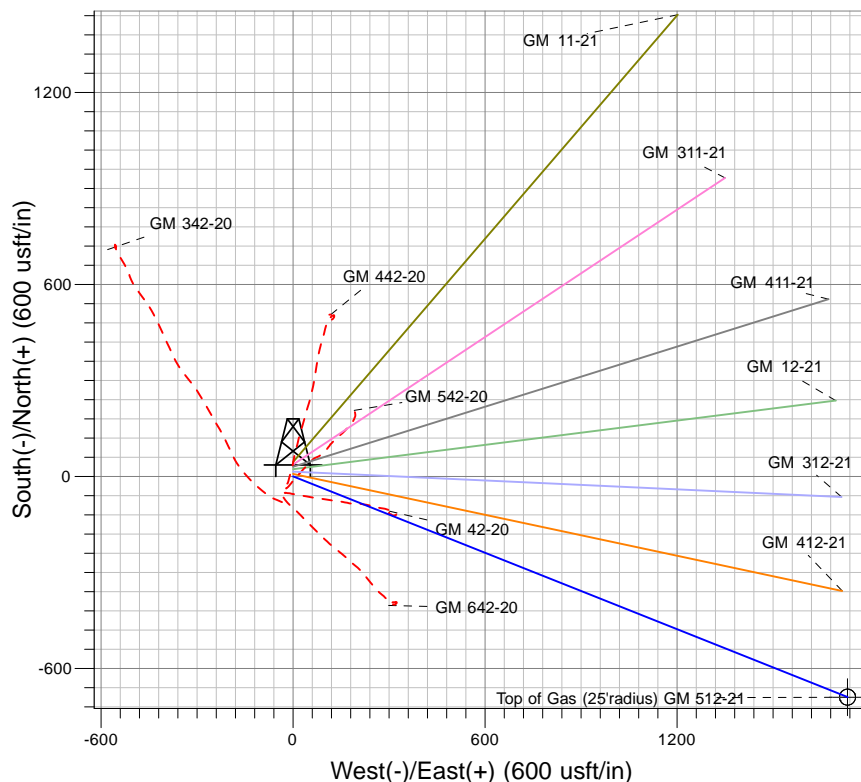
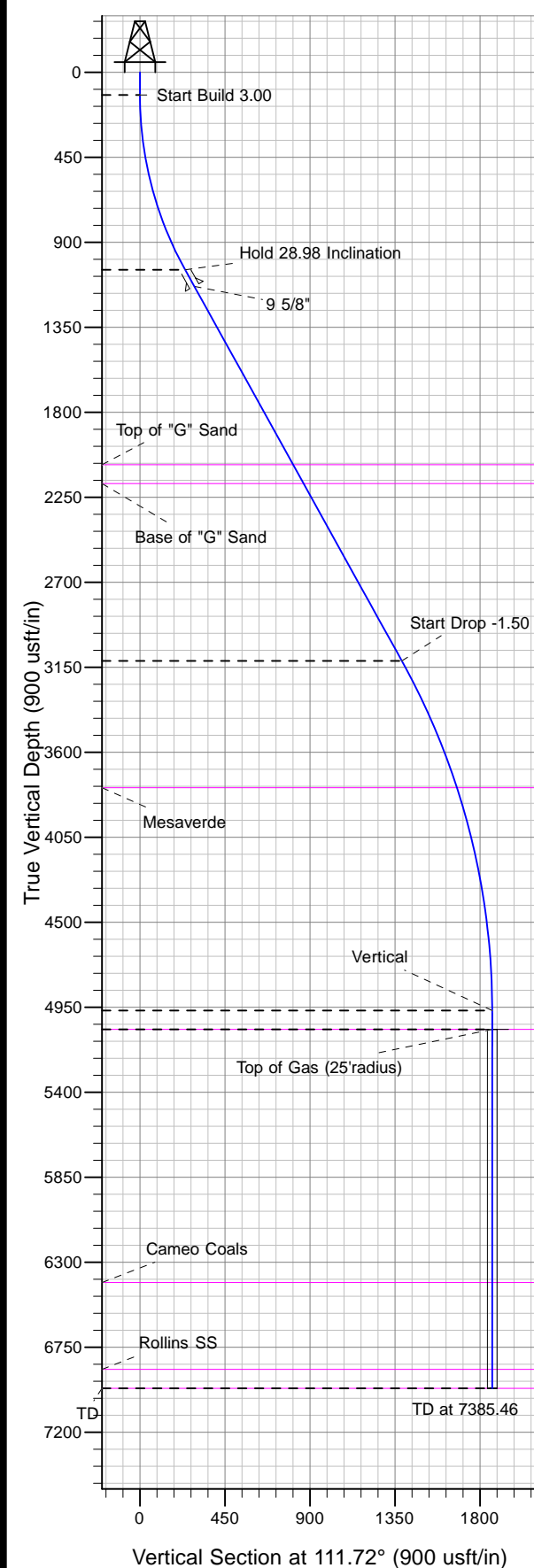




Well Name: GM 512-21
 Surface Location: GM 442-20 Pad
 North American Datum 1983 , US State Plane 1983, Colorado Central Zone
 Ground Elevation: 5575.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1621862.59	2259345.63	39.51141	-108.12551	A1

KELLY BUSHING @ 5597.00usft (Cyclone 17 (22' RKB))



Project: GV 20-06S-096W
 Site: GM 442-20 Pad
 Well: GM 512-21
 Design #2 28Nov12 kjs

MAzimuths to True North
 Magnetic North: 10.28°
 Magnetic Field
 Strength: 52142.0snT
 Dip Angle: 65.70°
 Date: 6/21/2012
 Model: IGRF2010

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 3.00
1086.05	28.98	111.72	1045.38	-88.51	222.18	239.16	239.16	Hold 28.98 Inclination
3453.36	28.98	111.72	3116.24	-512.99	1287.77	1386.18	1386.18	Start Drop -1.50
5385.46	0.00	0.00	4967.00	-690.00	1732.13	1864.51	1864.51	Vertical
5485.46	0.00	0.00	5067.00	-690.00	1732.13	1864.51	1864.51	Top Gas
7385.46	0.00	0.00	6967.00	-690.00	1732.13	1864.51	1864.51	TD at 7385.46