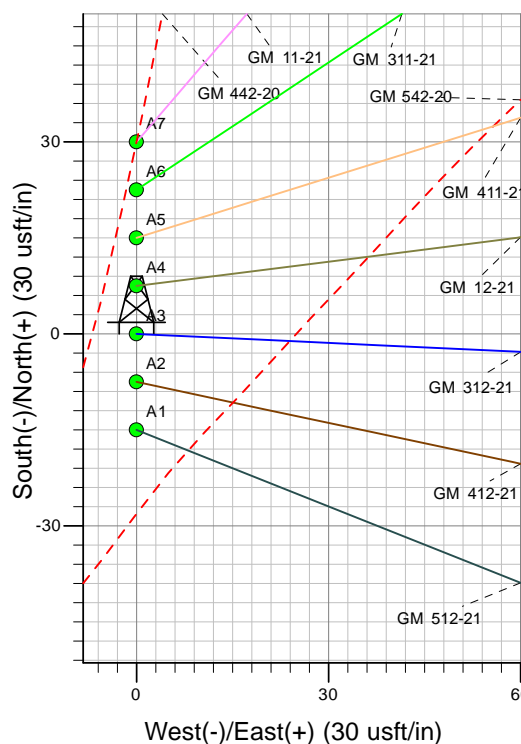
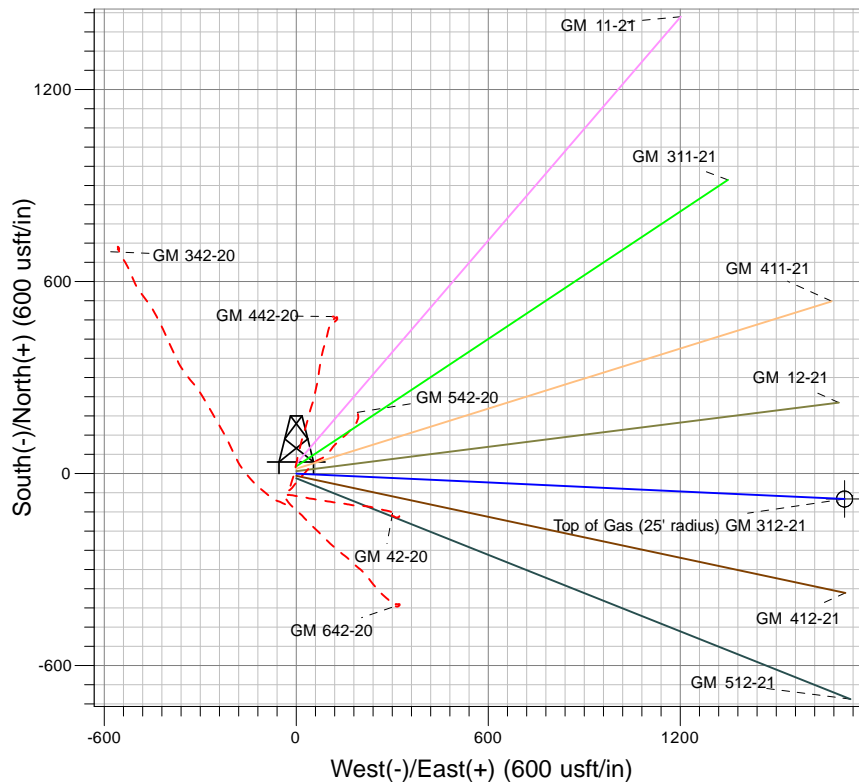
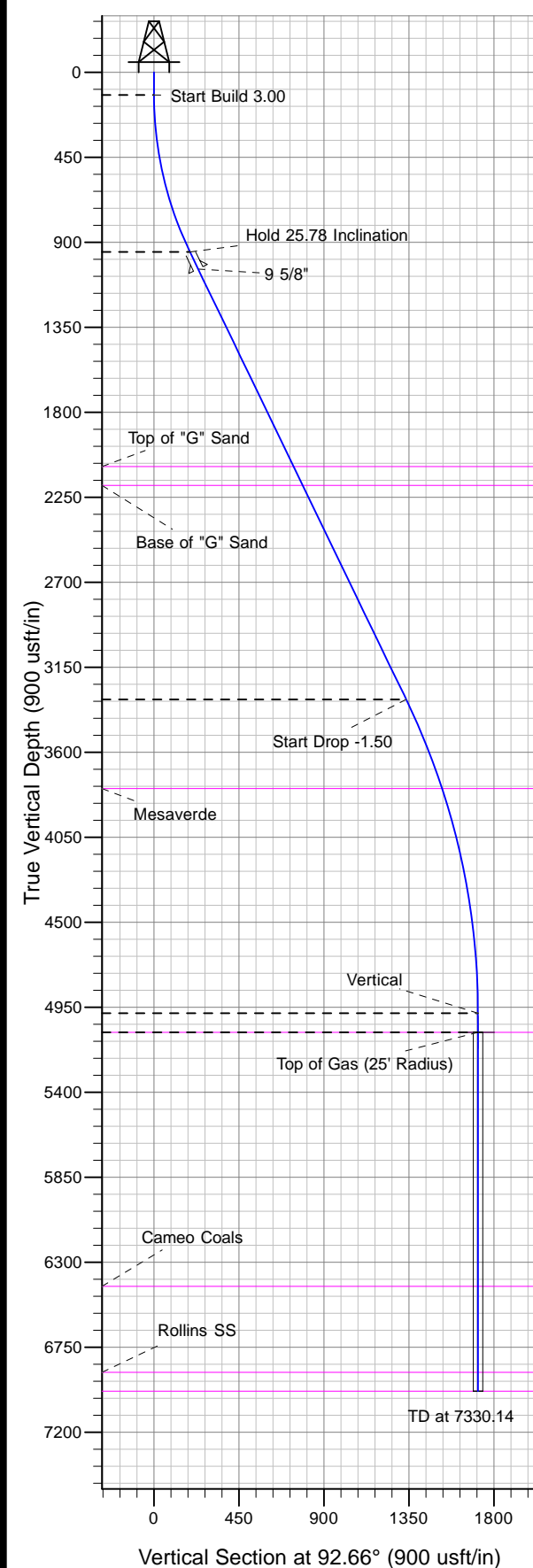




Well Name: GM 312-21
Surface Location: GM 442-20 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 5575.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1621877.58	2259346.06	39.51145	-108.12551	A3

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



Project: GV 20-06S-096W
Site: GM 442-20 Pad
Well: GM 312-21
Design #2 28Nov12 kjs

T M

Azimuths 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
979.42	25.78	92.66	950.71	-8.83	189.92	190.13	190.13	Hold 25.78 Inclination
3611.30	25.78	92.66	3320.58	-62.03	1333.44	1334.88	1334.88	Start Drop -1.50
5330.14	0.00	0.00	4982.00	-79.70	1713.28	1715.13	1715.13	Vertical
5430.14	0.00	0.00	5082.00	-79.70	1713.28	1715.13	1715.13	Top Gas
7330.14	0.00	0.00	6982.00	-79.70	1713.28	1715.13	1715.13	TD at 7330.14