



+N/-S
0.00

+E/-W
0.00

Northing
1603086.00

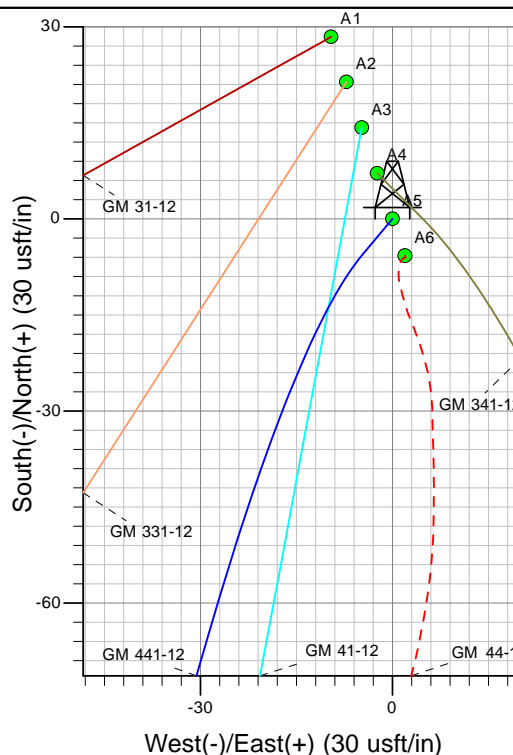
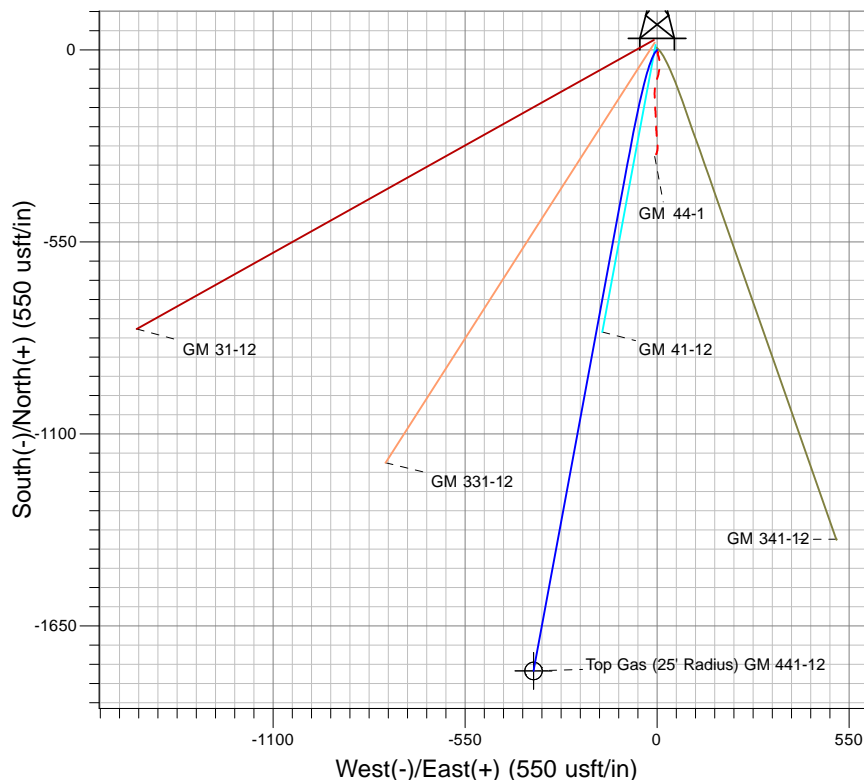
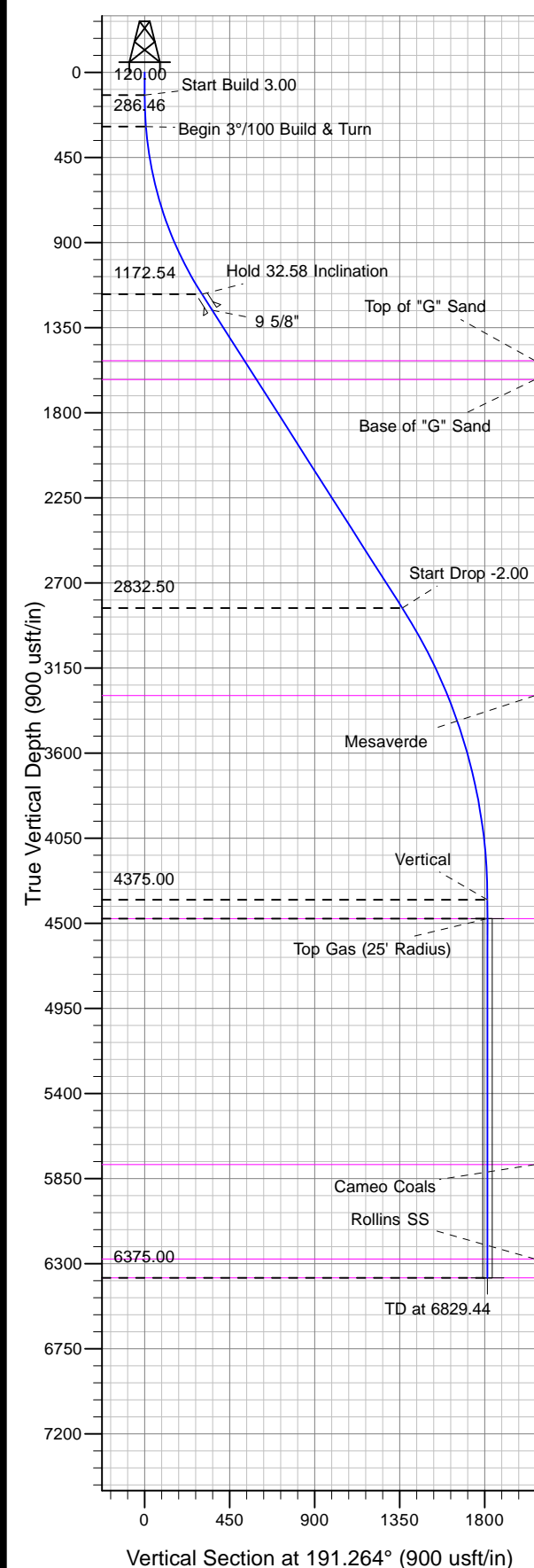
Easting
2279647.00

Latitude
39.46147

Longitude
-108.05171

Slot
A5

Well Name: GM 441-12
Surface Location: GM 44-1 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5209.00
KELLY BUSHING @ 5231.00usft (Cyclone 17 (22' RKB) kjs)



Project: GV 01-07S-096W
Site: GM 44-1 Pad
Well: GM 441-12
Design #2 19Jun12 kjs



Azimuths to True North
Magnetic North: 10.28°
Magnetic Field
Strength: 52154.4snT
Dip Angle: 65.68°
Date: 3/15/2012
Model: IGRF2010

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	
120.00	0.00	0.000	120.00	0.00	0.00	0.00	0.00	Start Build 3.00
286.67	5.00	220.000	286.46	-5.57	-4.67	6.37	7.27	Begin 3°/100 Build & Turn
1230.70	32.58	190.497	1172.54	-292.85	-78.94	302.63	305.16	Hold 32.58 Inclination
3200.58	32.58	190.497	2832.50	-1335.75	-272.18	1363.19	1365.81	Start Drop -2.00
4829.44	0.00	0.000	4375.00	-1778.93	-354.30	1813.87	1816.53	Vertical
4929.44	0.00	0.000	4475.00	-1778.93	-354.30	1813.87	1816.53	Top Gas
6829.44	0.00	0.000	6375.00	-1778.93	-354.30	1813.87	1816.53	TD at 6829.44