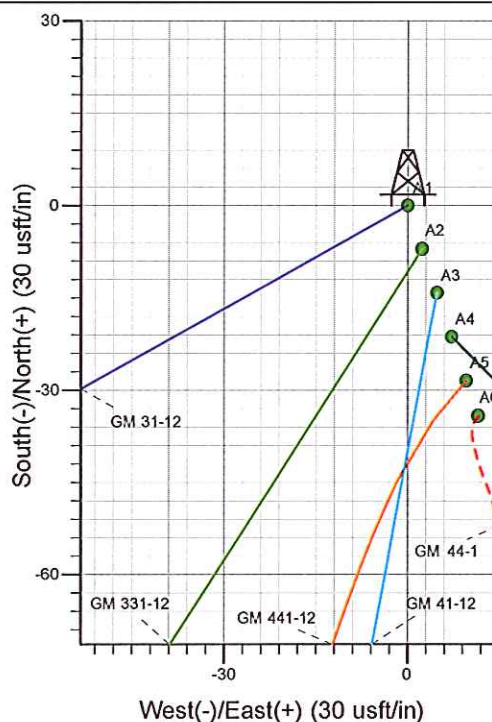
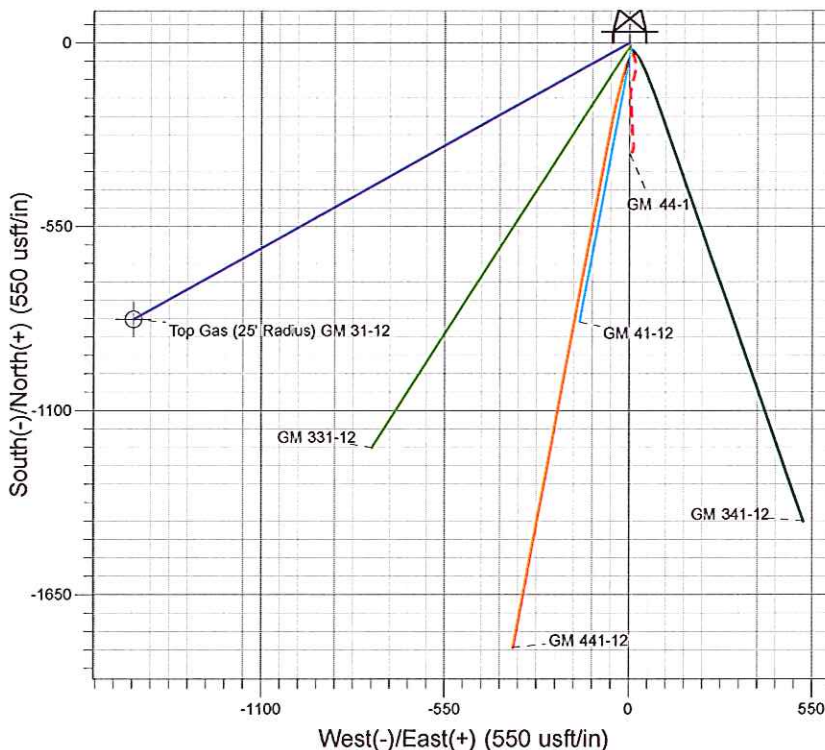
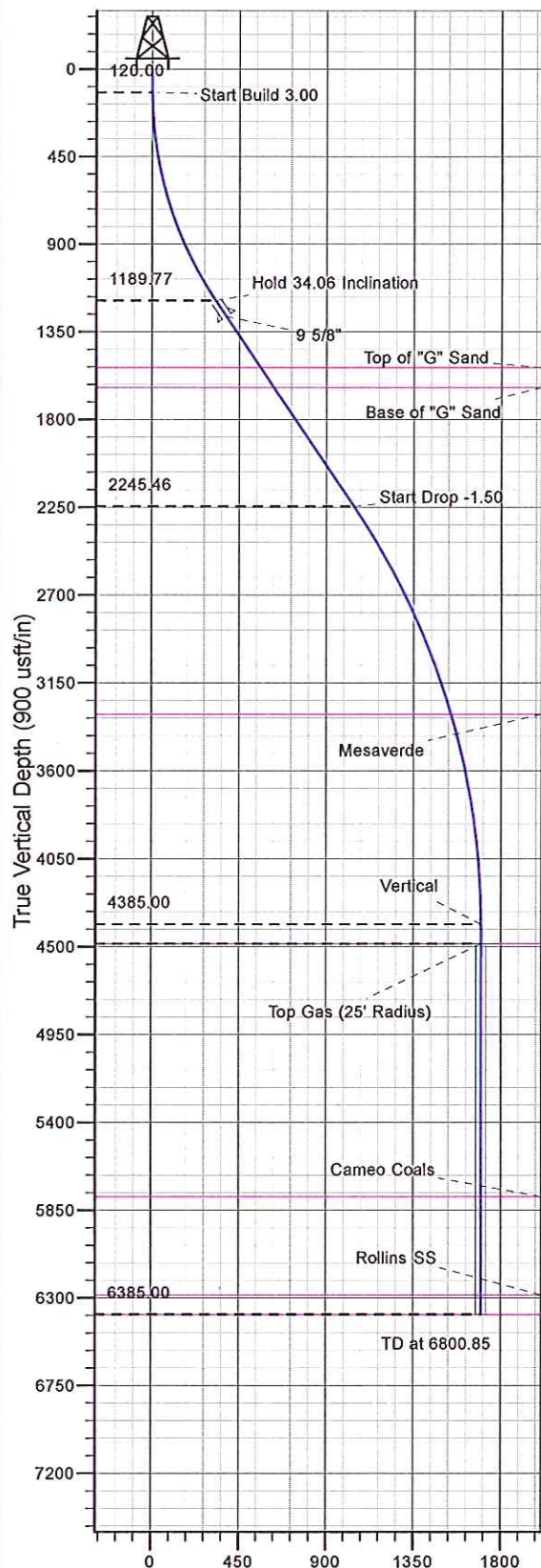




Well Name: GM 31-12
 Surface Location: GM 44-1 Pad
 North American Datum 1983 , US State Plane 1983, Colorado Central Zone
 Ground Elevation: 5209.00
 +N/-S 0.00 +E/-W 0.00 Northing 1603114.70 Easting 2279638.20 Latitude 39.46155 Longitude -108.05175 Slot A1
 KELLY BUSHING @ 5231.00usft (Cyclone 17 (22' RKB) kjs)



Project: GV 01-07S-096W
 Site: GM 44-1 Pad
 Well: GM 31-12
 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
120.00	0.00	0.000	120.00	0.00	0.00	0.00	0.00	Start Build 3.00
1255.49	34.06	240.812	1189.77	-159.82	-286.11	327.72	327.72	Hold 34.06 Inclination
2529.86	34.06	240.812	2245.46	-507.93	-909.29	1041.53	1041.53	Start Drop -1.50
4800.85	0.00	0.000	4385.00	-827.57	-1481.51	1696.98	1696.98	Vertical
4900.85	0.00	0.000	4485.00	-827.57	-1481.51	1696.98	1696.98	Top Gas
6800.85	0.00	0.000	6385.00	-827.57	-1481.51	1696.98	1696.98	TD at 6800.85

Vertical Section at 240.812° (900 usft/in)