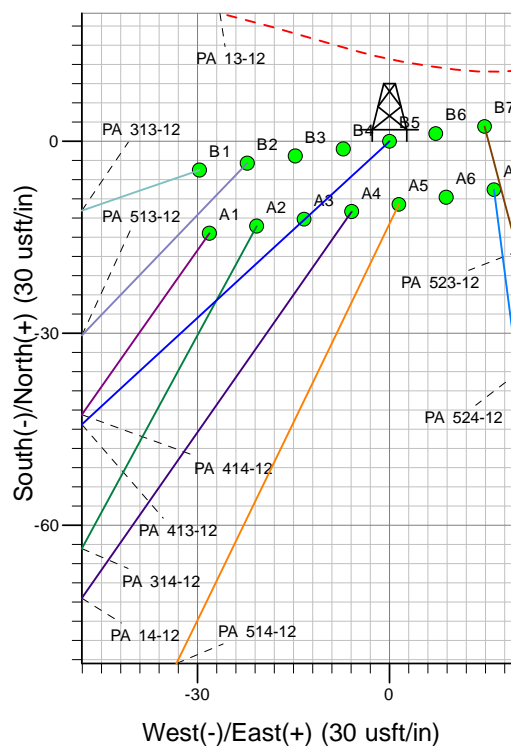
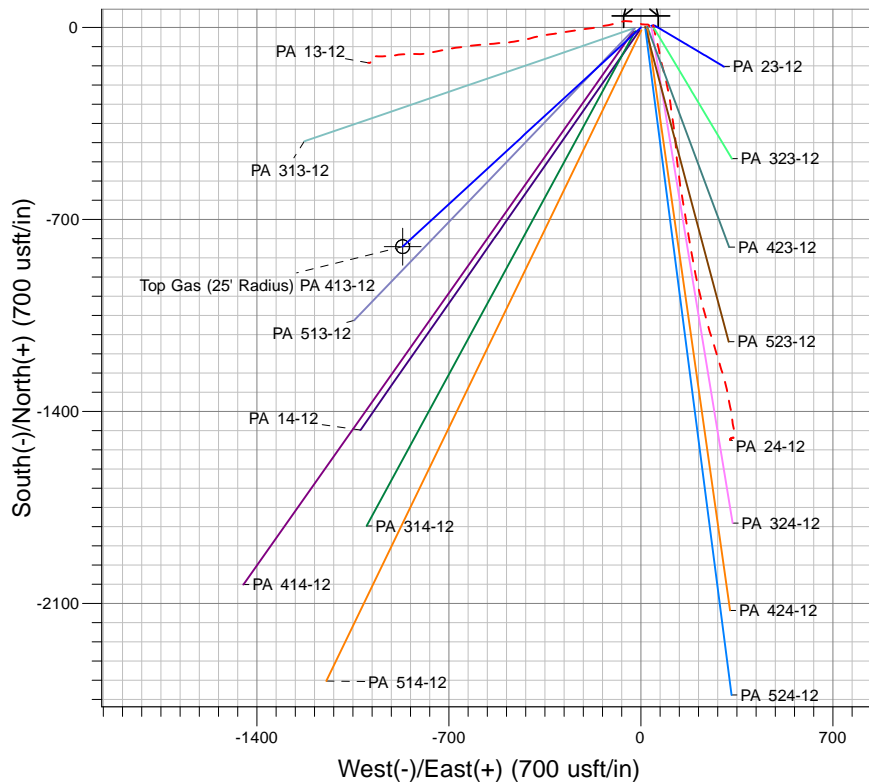
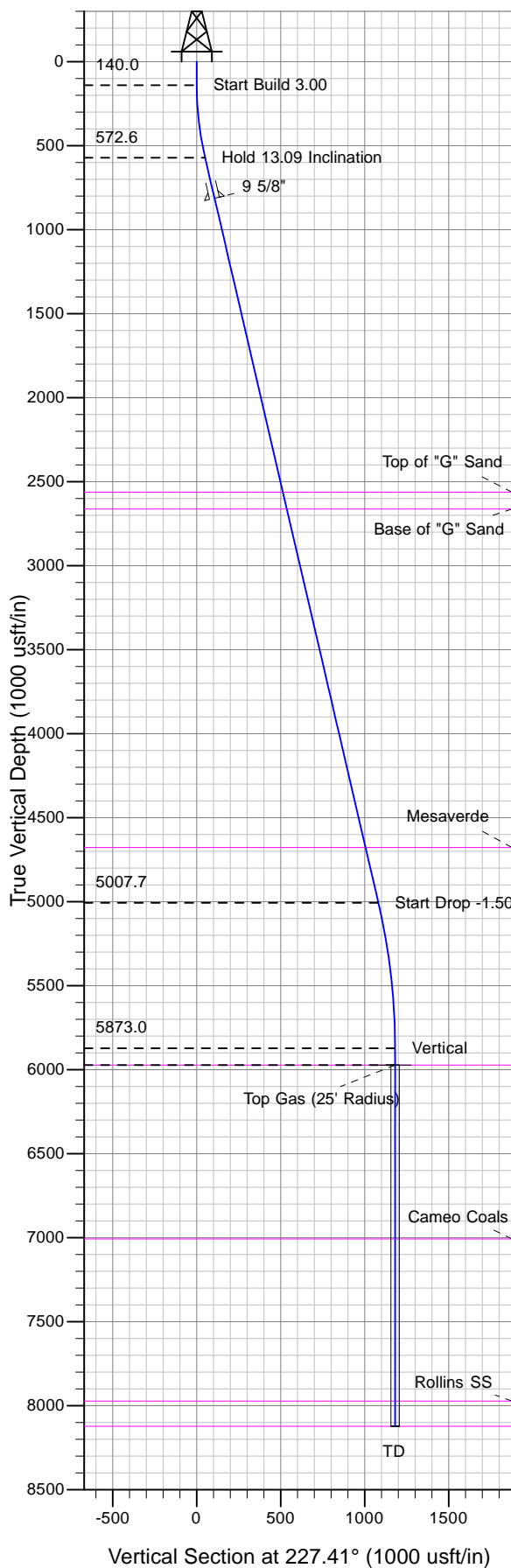




Well Name: PA 413-12
Surface Location: PA 23-12 Pad
North American Datum 1983 , US State Plane 1983 Colorado Central Zone
Ground Elevation: 6507.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1598880.90 2308286.70 39° 27' 7.526 N 107° 56' 59.677 W B5
KELLY BUSHING @ 6533.0usft ((26' RKB) kjs)



Project: PA 12-07S-095W
Site: PA 23-12 Pad
Well: PA 413-12
Plan #2 13Aug10 kjs

Azimuths to True North
Magnetic North: 10.44°
Magnetic Field
Strength: 52363.8snT
Dip Angle: 65.75°
Date: 5/26/2010
Model: IGRF2005-10

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
140.0	140.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.00
572.6	576.4	13.09	227.41	-33.6	-36.5	49.6	49.6	Hold 13.09 Inclination
5007.7	5129.9	13.09	227.41	-731.7	-795.9	1081.1	1081.1	Start Drop -1.50
5873.0	6002.7	0.00	0.00	-798.9	-869.0	1180.4	1180.4	Vertical
5973.0	6102.7	0.00	0.00	-798.9	-869.0	1180.4	1180.4	Top Gas
8123.0	8252.7	0.00	0.00	-798.9	-869.0	1180.4	1180.4	TD at 8252.7