



+N/-S  
0.0

+E/-W  
0.0

Northing  
1598876.60

Well Name: PA 323-12  
Surface Location: PA 23-12 Pad

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone

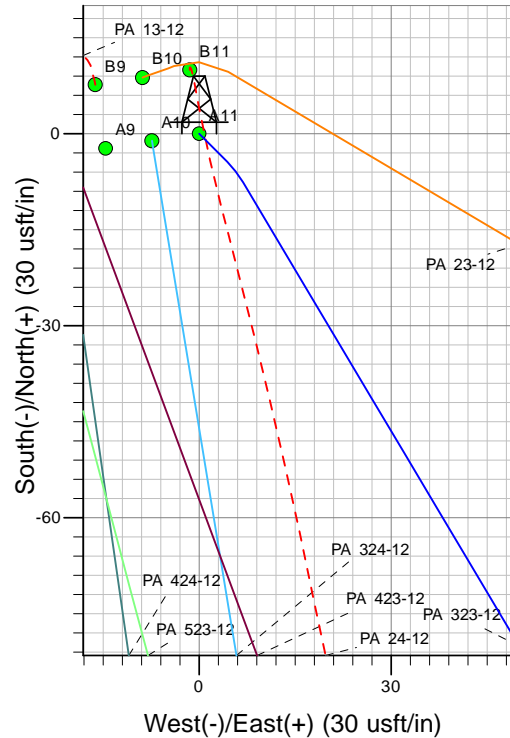
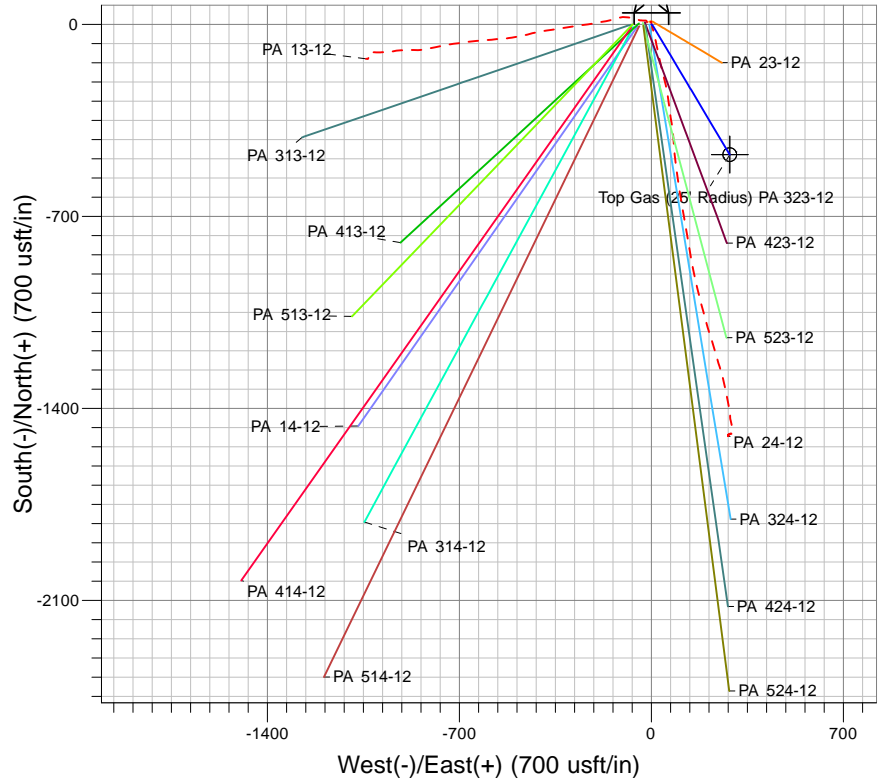
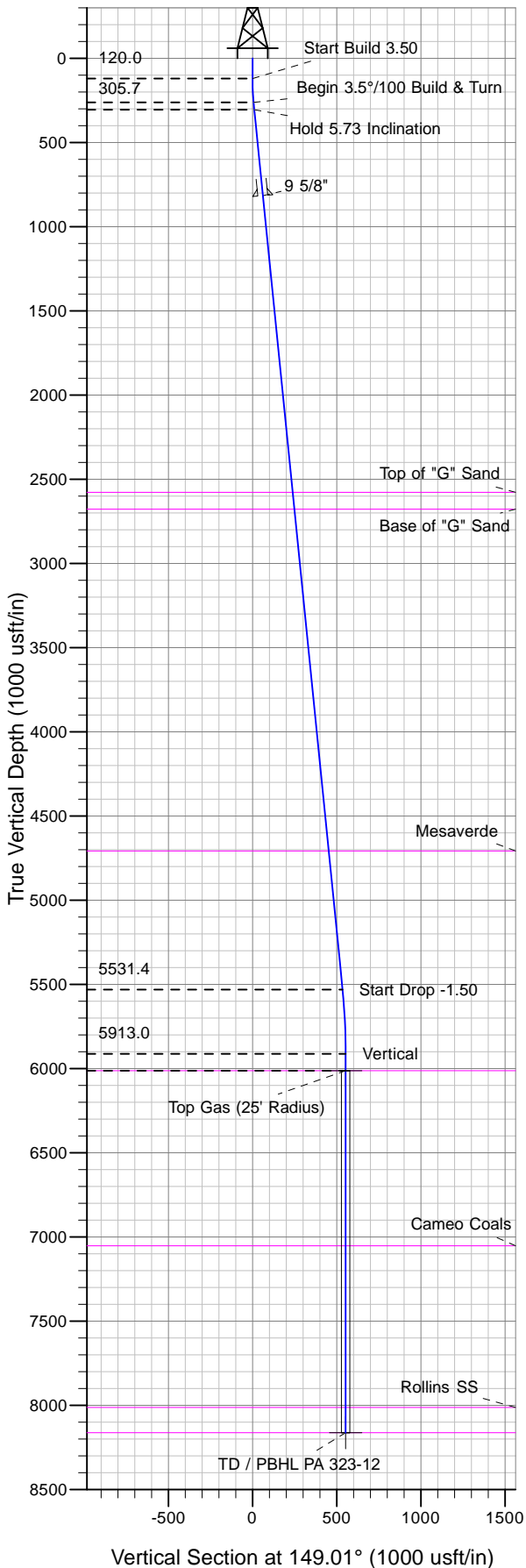
Ground Elevation: 6507.0

Easting  
2308332.50

Latitude  
39° 27' 7.496 N

Longitude  
107° 56' 59.092 W

KELLY BUSHING @ 6533.0usft ((26' RKB) kjs)



Project: PA 12-07S-095W  
Site: PA 23-12 Pad  
Well: PA 323-12  
Plan #2 13Aug10 kjs



Azimuths to True North  
Magnetic North: 10.83°

Magnetic Field  
Strength: 52653.7nT  
Dip Angle: 65.83°  
Date: 6/5/2007  
Model: IGRF2005-10

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.50
262.7	262.9	5.00	135.00	-4.4	4.4	6.0	6.2	Begin 3.5°/100 Build & Turn
305.7	306.1	5.73	149.21	-7.6	6.8	10.0	10.3	Hold 5.73 Inclination
5531.4	5558.0	5.73	149.21	-458.4	275.4	534.8	535.0	Start Drop -1.50
5913.0	5940.3	0.00	0.00	-474.8	285.2	553.9	554.1	Vertical
6013.0	6040.3	0.00	0.00	-474.8	285.2	553.9	554.1	Top Gas
8163.0	8190.3	0.00	0.00	-474.8	285.2	553.9	554.1	TD at 8190.3