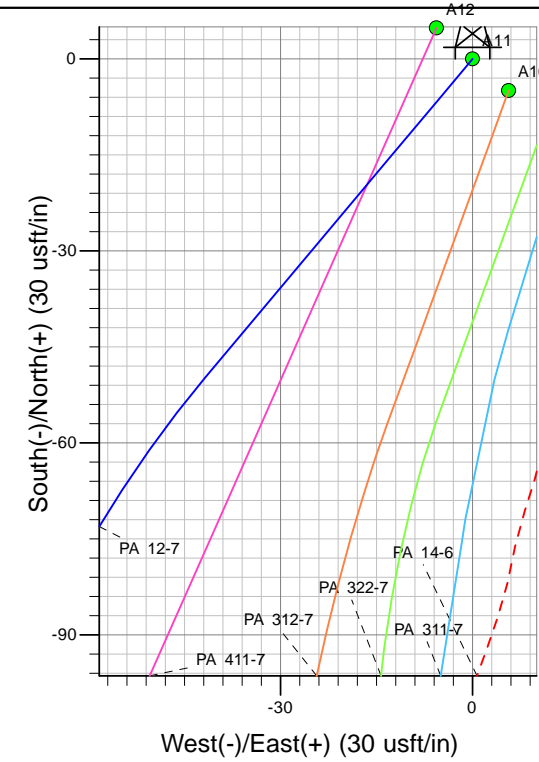
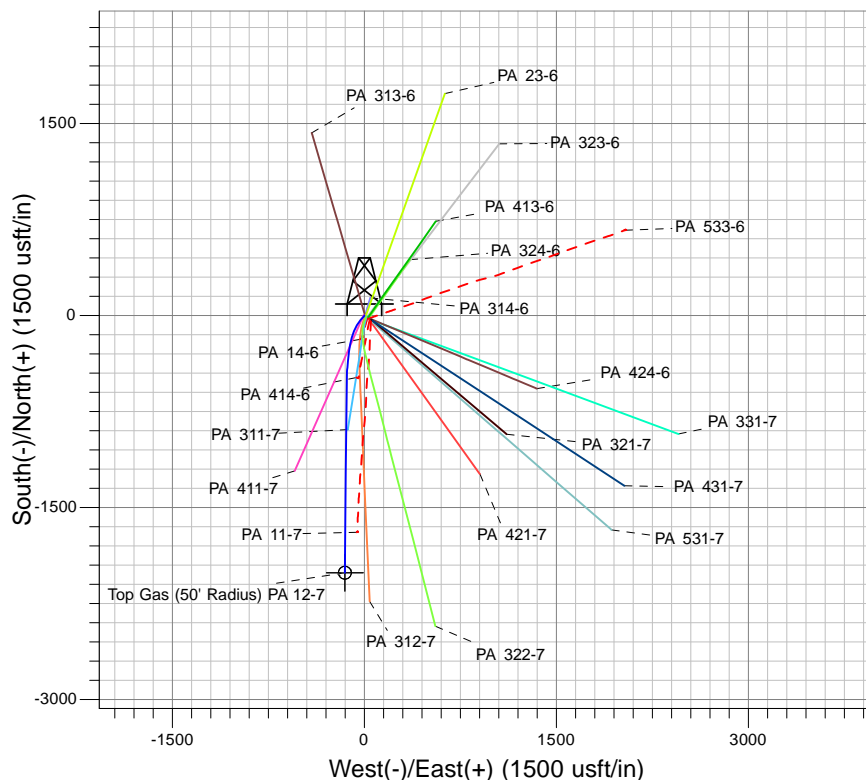
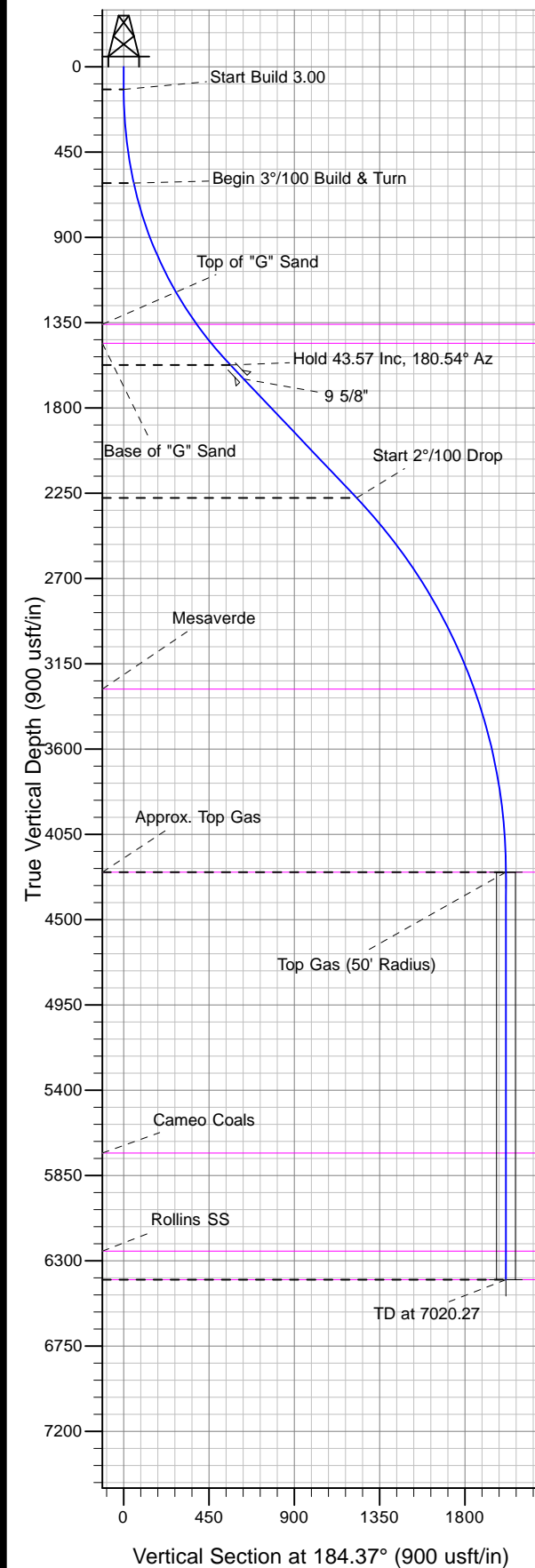




Well Name: PA 12-7  
Surface Location: PA 14-6 Pad  
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
Ground Elevation: 5153.00  
+N/-S 0.00 +E/-W 0.00 Northing 1603170.10 Easting 2281080.00 Latitude 39.46181 Longitude -108.04665 Slot A11  
KELLY BUSHING @ 5179.00usft (Nabors 574 (26' RKB))



Project: PA 06-07S-095W  
Site: PA 14-6 Pad  
Well: PA 12-7  
Design #3 16Dec13 kjs

Azimuths to True North  
Magnetic North: 10.01°  
Magnetic Field  
Strength: 51945.5snT  
Dip Angle: 65.62°  
Date: 4/16/2014  
Model: IGRF2010

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
120.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00	
614.31	620.00	15.00	220.00	-49.85	-41.83	52.90	65.08	Begin 3°/100 Build & Turn	
1574.19	1723.86	43.57	180.54	-553.79	-139.97	562.85	585.92	Hold 43.57 Inc, 180.54° Az	
2275.46	2691.75	43.57	180.54	-1220.87	-146.24	1228.46	1253.04	Start 2°/100 Drop	
4250.00	4870.27	0.00	0.00	-2010.00	-153.66	2015.86	2042.20	Top Gas	
6400.00	7020.27	0.00	0.00	-2010.00	-153.66	2015.86	2042.20	TD at 7020.27	