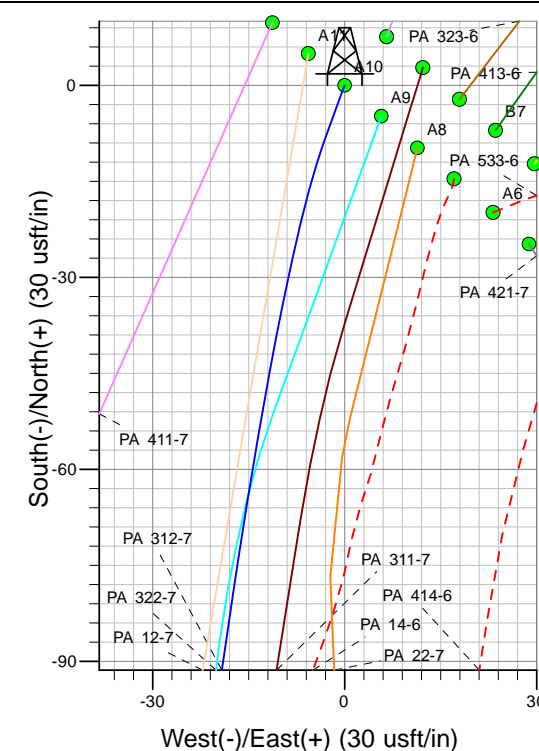
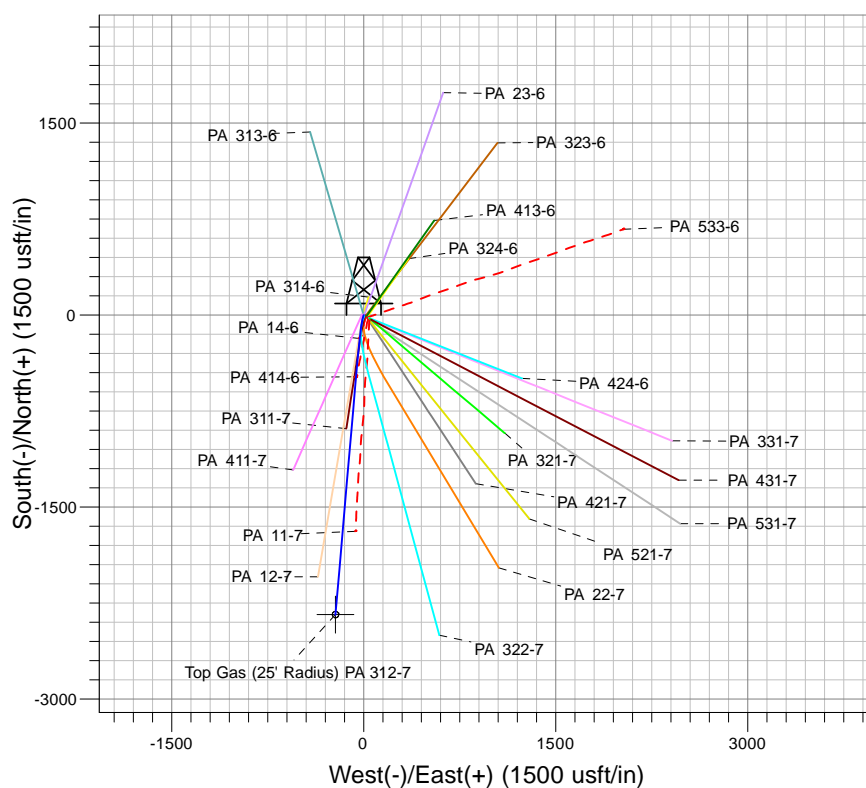
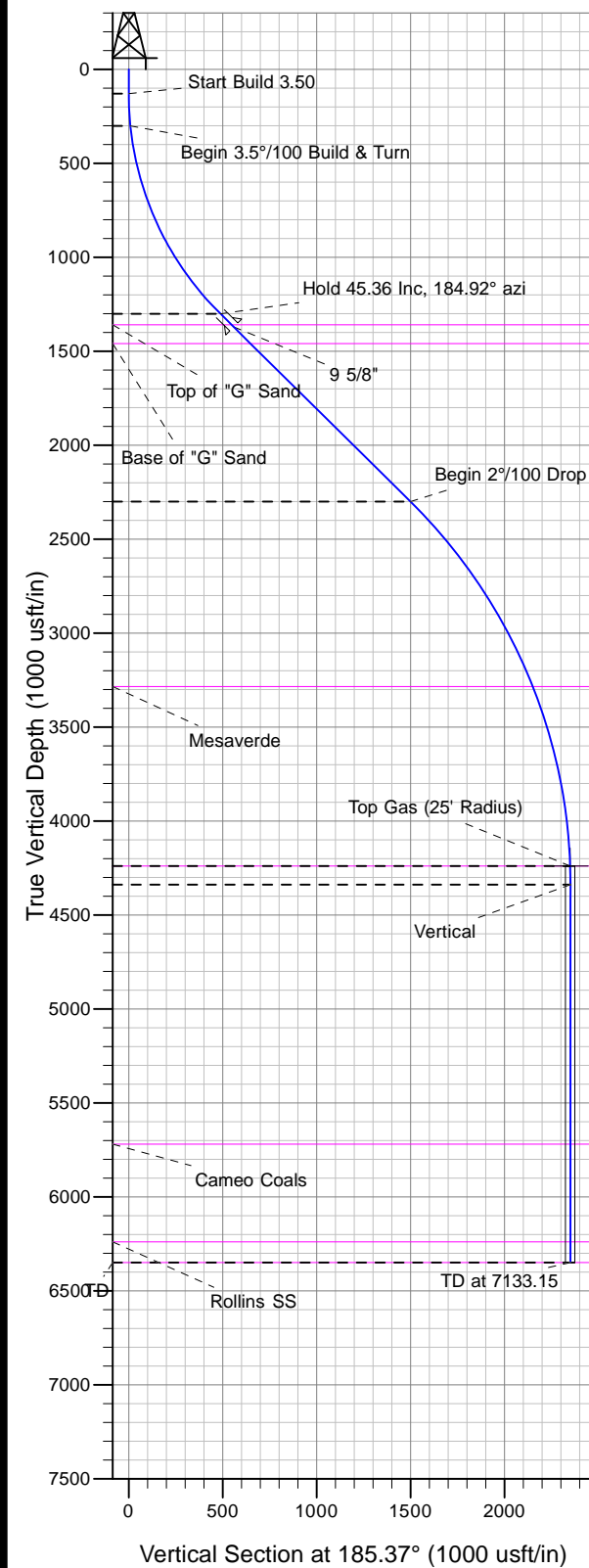




Well Name: PA 312-7  
Surface Location: PA 14-6 Pad  
North American Datum 1983 , US State Plane 1983, Colorado Central Zone  
Ground Elevation: 5153.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1603165.00	2281085.50	39.46179	-108.04663	A10

KELLY BUSHING @ 5179.00usft (Nabors (26' RKB))



Project: PA 06-07S-095W  
Site: PA 14-6 Pad  
Well: PA 312-7  
Plan #2 13Nov12 kjs

Azimuths to True North  
Magnetic North: 10.63°  
Magnetic Field  
Strength: 52475.1snT  
Dip Angle: 65.77°  
Date: 4/17/2009  
Model: IGRF2005

#### ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
130.00	0.00	0.00	130.00	0.00	0.00	0.00	0.00	Start Build 3.50
301.43	6.00	200.00	301.12	-8.43	-3.07	8.68	8.97	Begin 3.5°/100 Build & Turn
1432.72	45.36	184.92	1301.20	-484.09	-60.12	487.60	489.66	Hold 45.36 Inc, 184.92° azi
2854.91	45.36	184.92	2300.42	-1492.37	-146.97	1499.58	1501.67	Begin 2°/100 Drop
5023.13	2.00	184.92	4239.00	-2339.50	-219.94	2349.81	2351.93	Top Gas
5123.13	0.00	0.00	4338.98	-2341.23	-220.09	2351.56	2353.68	Vertical
7133.15	0.00	0.00	6349.00	-2341.23	-220.09	2351.56	2353.68	TD at 7133.15