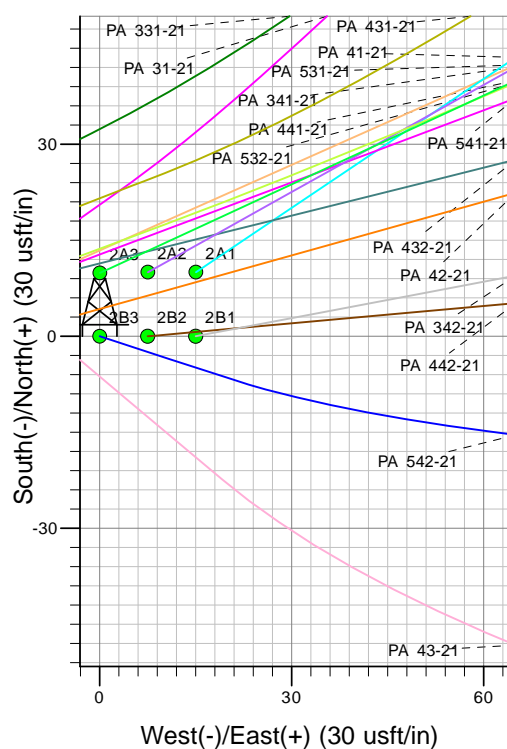
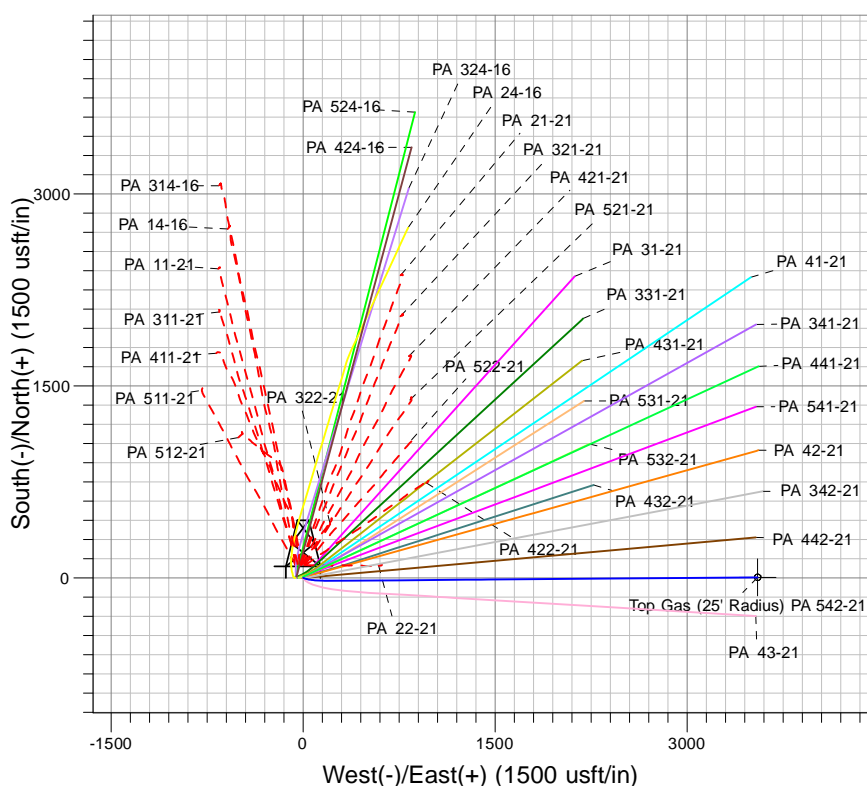
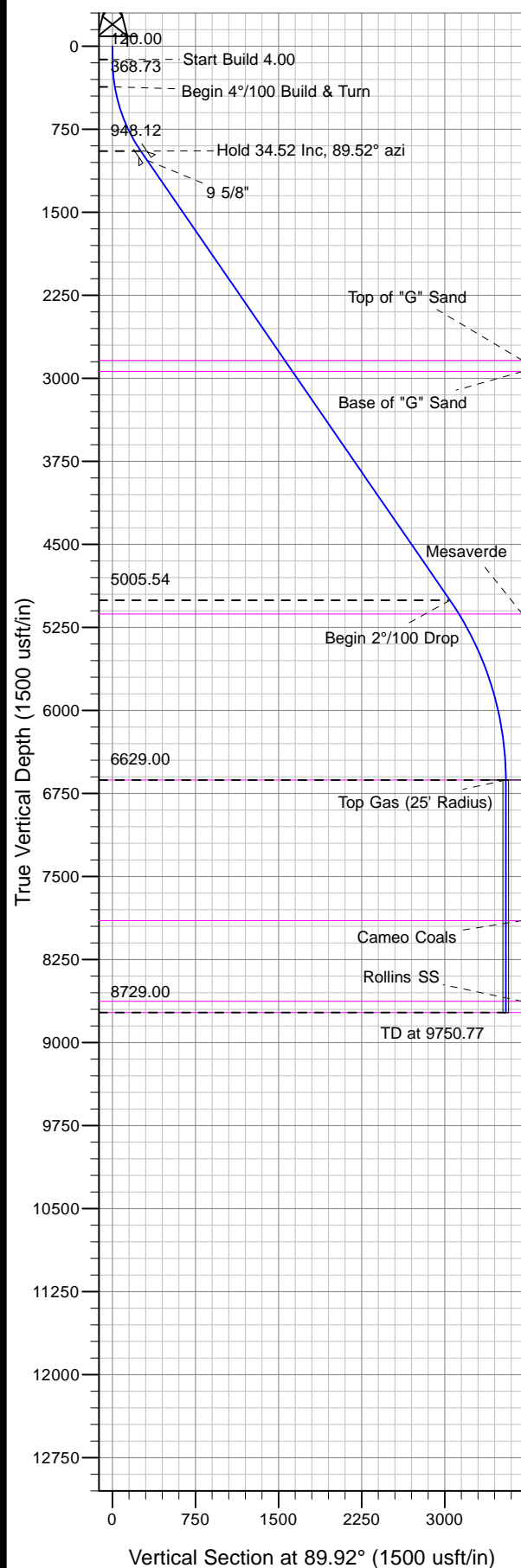




Well Name: PA 542-21  
Surface Location: PA 22-21 Pad  
North American Datum 1983 , US State Plane 1983, Colorado Central Zone  
Ground Elevation: 6030.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1620589.60	2292494.20	39.51049	-108.00794	2B3

KELLY BUSHING @ 6056.00usft (Nabors 26')



Project: PA 21-06S-095W  
Site: PA 22-21 Pad  
Well: PA 542-21  
Design #2 07Nov12 kjs



Azimuths to True North  
Magnetic North: 10.23°  
Magnetic Field  
Strength: 52157.3snT  
Dip Angle: 65.72°  
Date: 6/6/2012  
Model: IGRF2010

#### ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 4.00
370.00	10.00	108.00	368.73	-6.72	20.70	20.69	21.76	Begin 4°/100 Build & Turn
1000.28	34.52	89.52	948.12	-22.41	255.12	255.09	257.37	Hold 34.52 Inc, 89.52° azi
5924.77	34.52	89.52	5005.54	0.78	3045.70	3045.70	3048.05	Begin 2°/100 Drop
7650.77	0.00	184.65	6629.00	4.97	3550.09	3550.10	3552.46	Top Gas
9750.77	0.00	184.65	8729.00	4.96	3550.09	3550.10	3552.47	TD at 9750.77