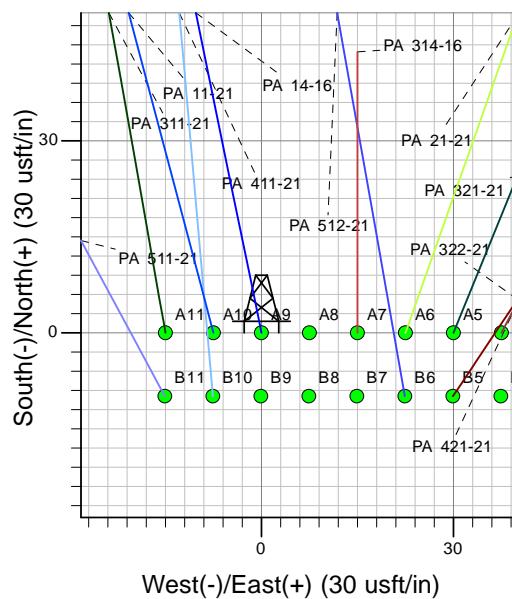
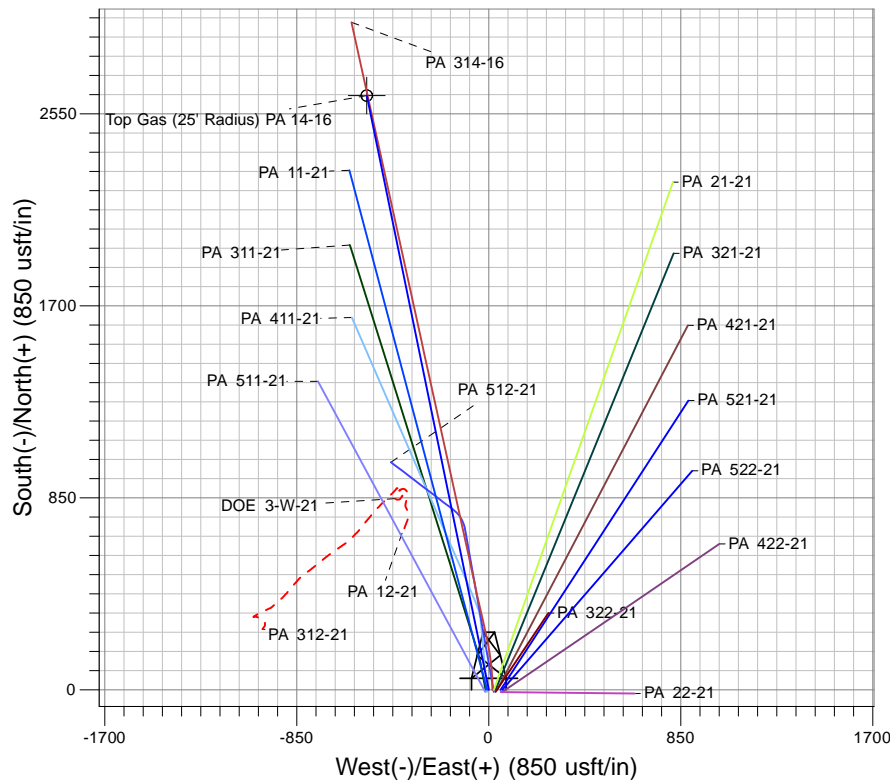
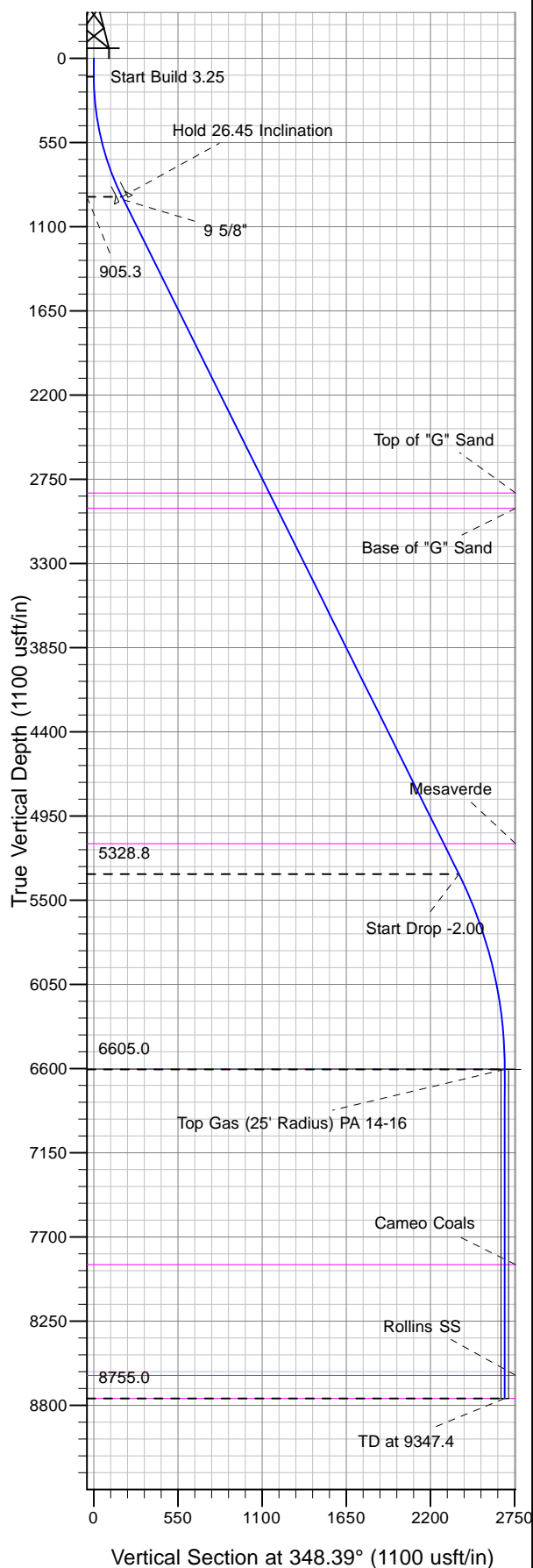




Well Name: PA 14-16  
 Surface Location: PA 22-21 Pad  
 North American Datum 1983 , US State Plane 1983, Colorado Central Zone  
 Ground Elevation: 6023.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1620700.38 2292452.28 39° 30' 38.832 N 108° 0' 29.151 W A9  
 KELLY BUSHING @ 6049.0usft (Nabors 577 (26' KB)JMS)



Project: PA 21-06S-095W  
 Site: PA 22-21 Pad  
 Well: PA 14-16  
 Design #1 18Mar10 kjs



Azimuths to True North  
 Magnetic North: 10.52°  
 Magnetic Field  
 Strength: 52381.8snT  
 Dip Angle: 65.78°  
 Date: 3/18/2010  
 Model: IGRF2010

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.25
905.3	934.0	26.45	348.39	180.8	-37.1	184.6	184.6	Hold 26.45 Inclination
5328.8	5874.7	26.45	348.39	2336.8	-480.1	2385.6	2385.6	Start Drop -2.00
6605.0	7197.4	0.00	0.00	2630.6	-540.4	2685.5	2685.5	Top Gas
8755.0	9347.4	0.00	0.00	2630.6	-540.4	2685.5	2685.5	TD at 9347.4