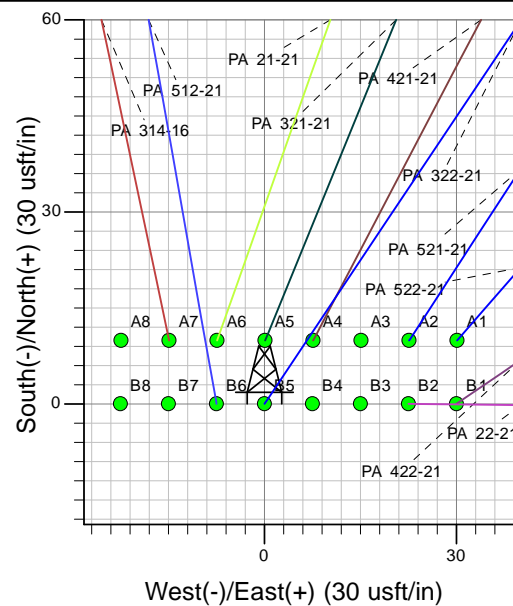
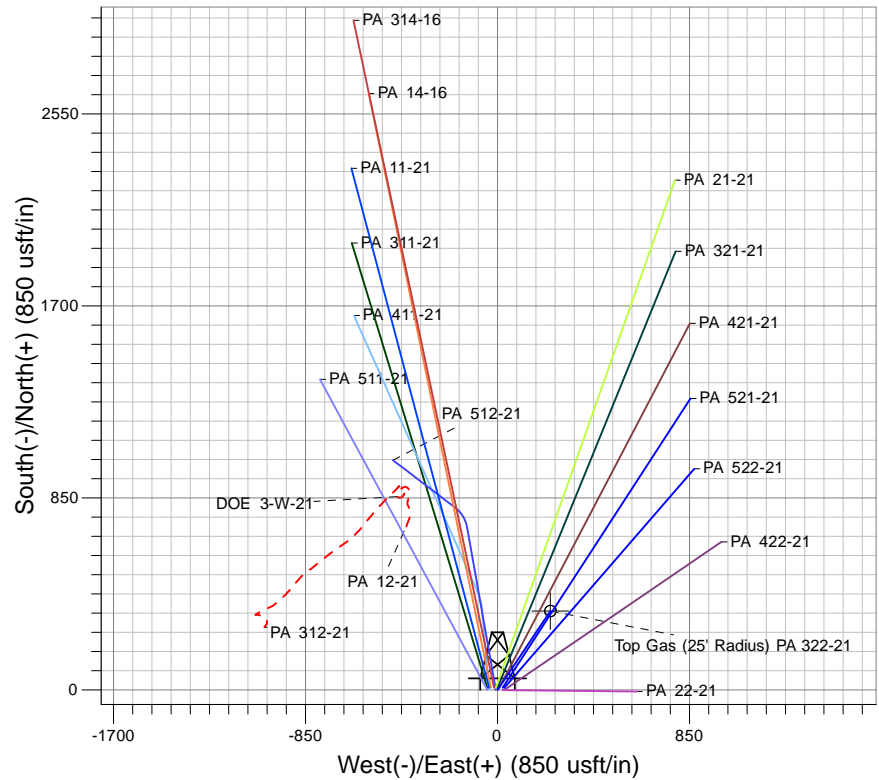
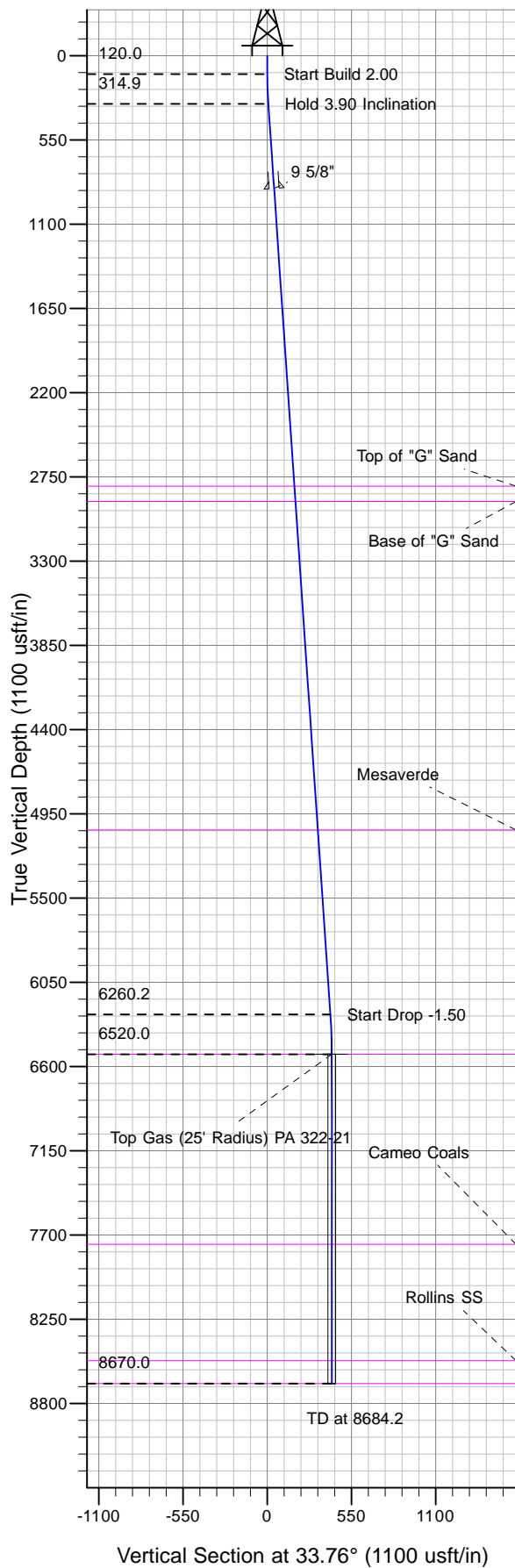




Well Name: PA 322-21  
Surface Location: PA 22-21 Pad  
North American Datum 1983 , US State Plane 1983, Colorado Central Zone  
Ground Elevation: 6023.0  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.0 0.0 1620689.66 2292481.89 39° 30' 38.734 N 108° 0' 28.770 W B5  
KELLY BUSHING @ 6049.0usft (Nabors 577 (26' KB) JMS)



Project: PA 21-06S-095W  
Site: PA 22-21 Pad  
Well: PA 322-21  
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	VSection	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 2.00
314.9	315.0	3.90	33.76	5.5	3.7	6.6	6.6	Hold 3.90 Inclination
6260.2	6274.1	3.90	33.76	342.5	228.9	412.0	412.0	Start Drop -1.50
6520.0	6534.2	0.00	0.00	349.8	233.9	420.8	420.8	Top Gas
8670.0	8684.2	0.00	0.00	349.8	233.9	420.8	420.8	TD at 8684.2