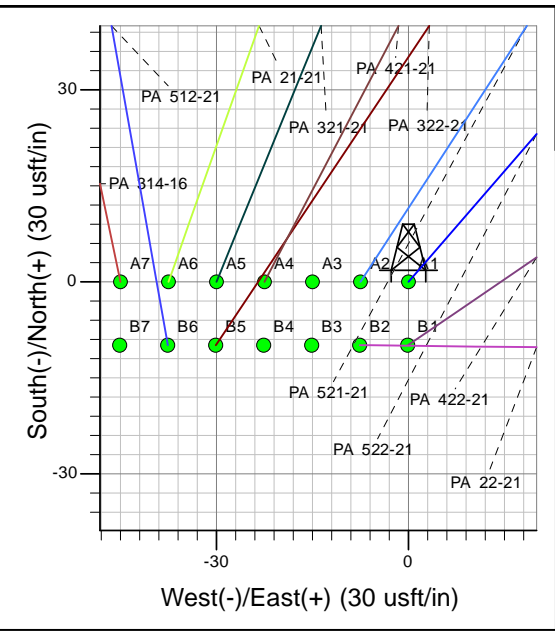
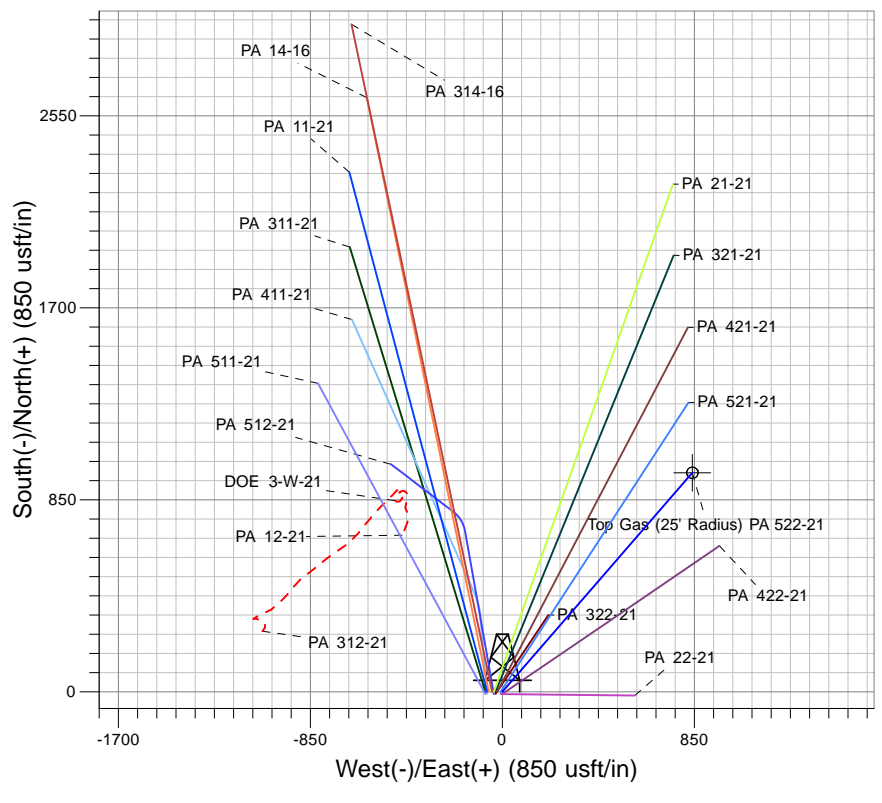
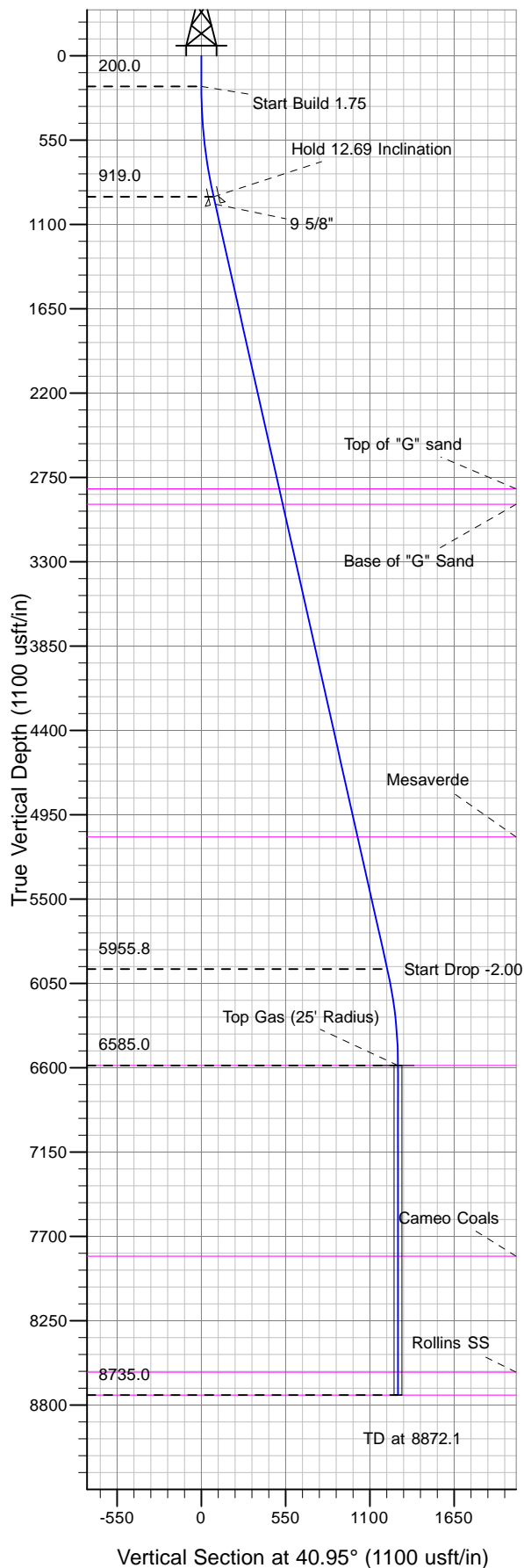




Well Name: PA 522-21  
 Surface Location: PA 22-21 Pad  
 North American Datum 1983 , US State Plane 1983, Colorado Central Zone  
 Ground Elevation: 6023.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1620698.73 2292512.259° 30' 38.832 N08° 0' 28.386 W A1  
 KELLY BUSHING @ 6049.0usft (Nabors 577 (26'KB)JMS)



Project: PA 21-06S-095W  
 Site: PA 22-21 Pad  
 Well: PA 522-21  
 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	Vsect	Departure	Annotation
200.0	200.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 1.75
919.0	925.0	12.69	40.95	60.4	52.4	79.9	79.9	Hold 12.69 Inclination
5955.8	6087.8	12.69	40.95	916.8	795.5	1213.8	1213.8	Start Drop -2.00
6585.0	6722.1	0.00	0.00	969.6	841.3	1283.7	1283.7	Top Gas
8735.0	8872.1	0.00	0.00	969.6	841.3	1283.7	1283.7	TD at 8872.1