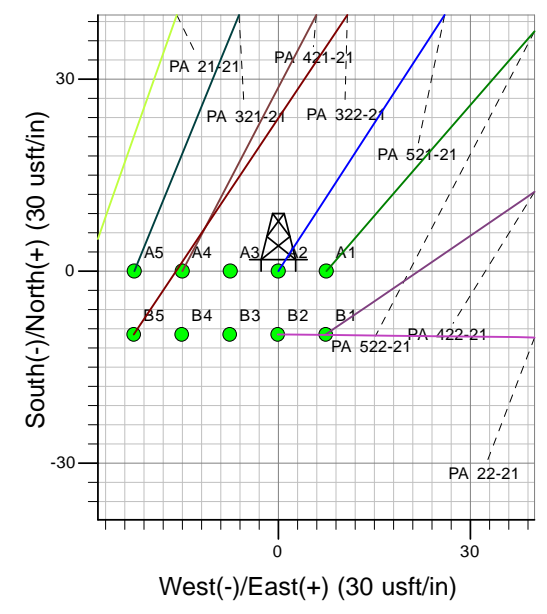
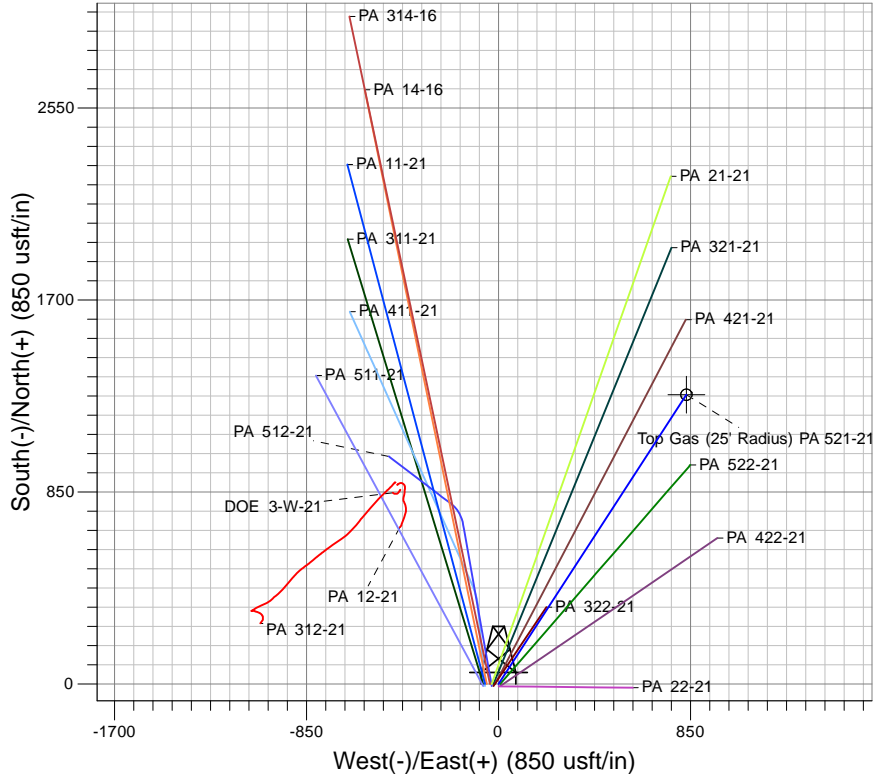
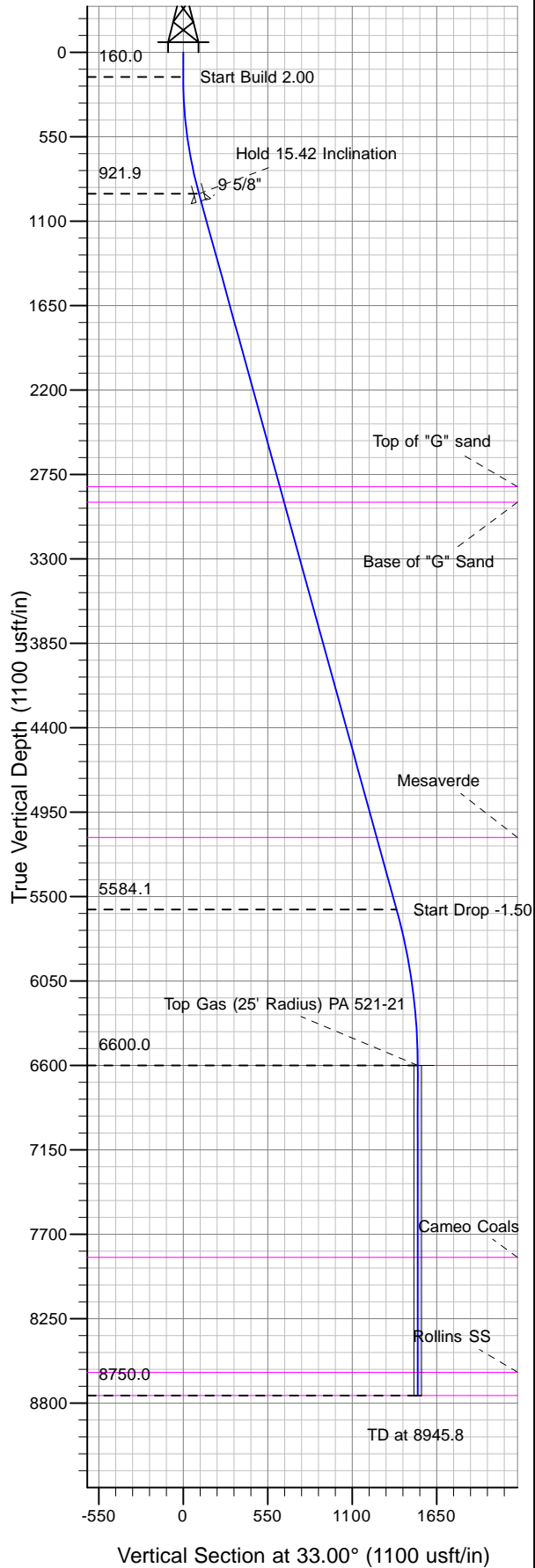




Well Name: PA 521-21
 Surface Location: PA 22-21 Pad
 North American Datum 1983, US State Plane 1983, Colorado Central Zone
 Ground Elevation: 6023.0
 +N/-S 0.0 +E/-W 0.0 Northing 1620698.94 Easting 2292504.75 Latitude 39° 30' 38.832 N Longitude 108° 0' 28.481 W Slot A2
 KELLY BUSHING @ 6049.0usft (Nabors 577 (26' KB)JMS)



Project: PA 21-06S-095W
 Site: PA 22-21 Pad
 Well: PA 521-21
 Design #1 18Mar10 kjs

T M
 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
160.0	160.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 2.00
921.9	931.2	15.42	33.00	86.5	56.2	103.2	103.2	Hold 15.42 Inclination
5584.1	5767.6	15.42	33.00	1165.3	756.7	1389.4	1389.4	Start Drop -1.50
6600.0	6795.8	0.00	0.00	1280.7	831.6	1527.0	1527.0	Top Gas
8750.0	8945.8	0.00	0.00	1280.7	831.6	1527.0	1527.0	TD at 8945.8