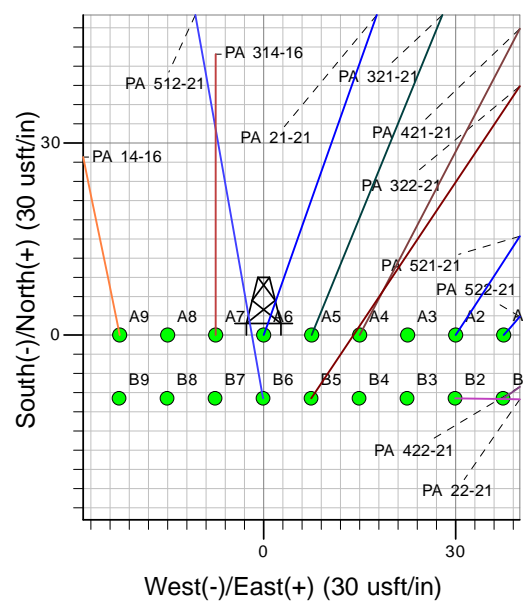
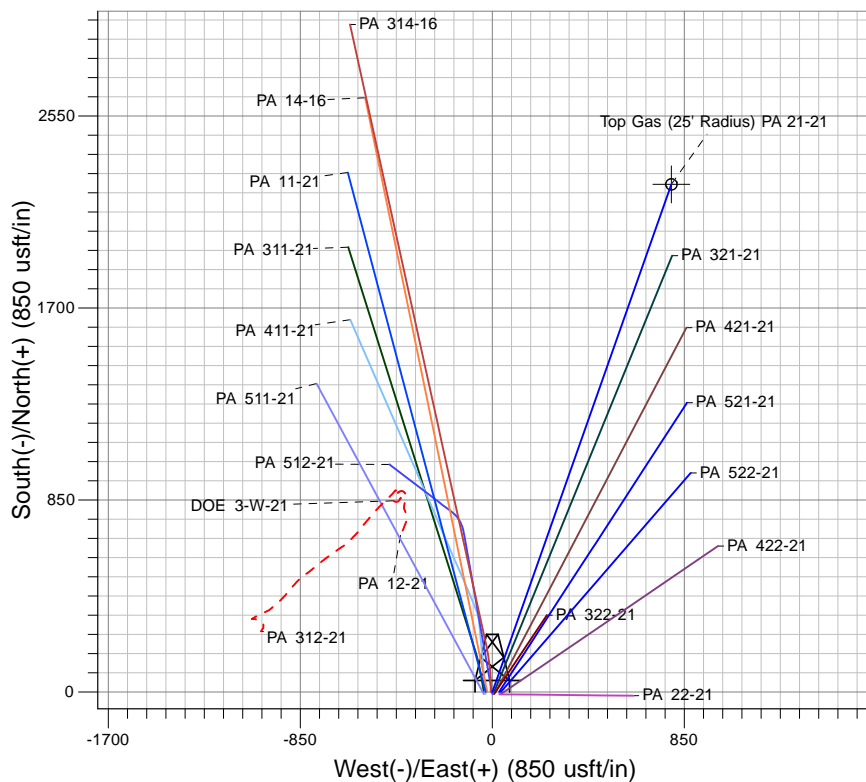
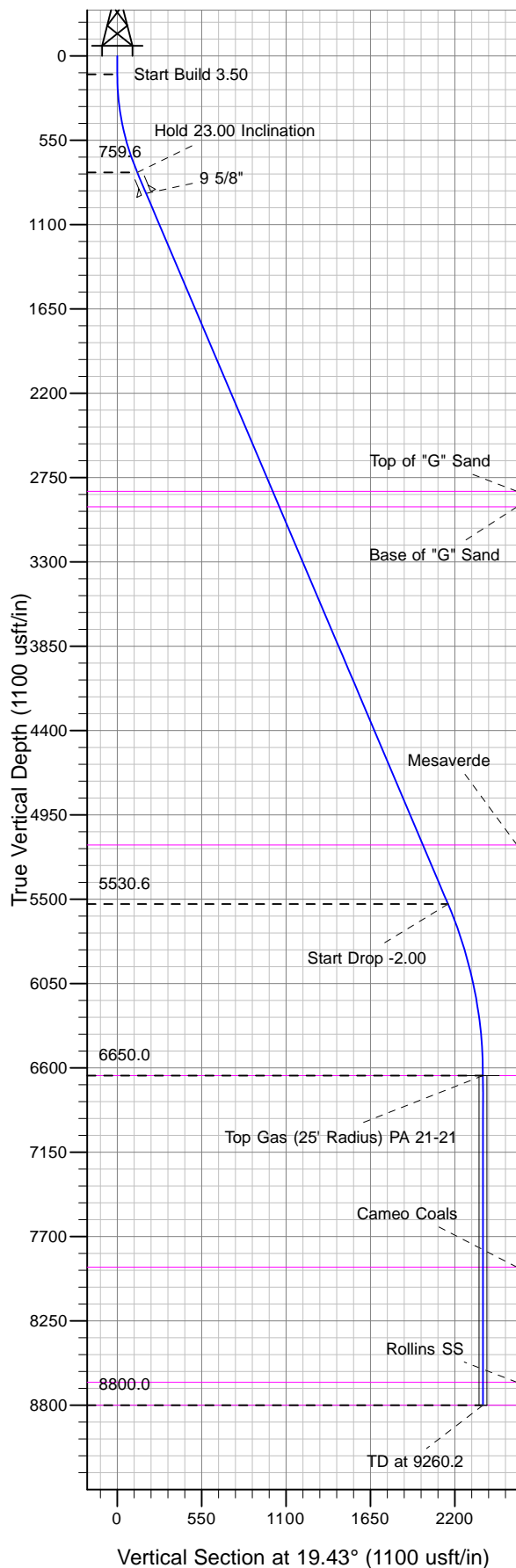




Well Name: PA 21-21
Surface Location: PA 22-21 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6023.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1620699.76 2292474.77 39° 30' 38.832 N 108° 0' 28.864 W A6
KELLY BUSHING @ 6049.0usft (Nabors 577 (26' KB) JMS)



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

Compass Rose:
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	
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.50	
759.6	777.2	23.00	19.43	122.7	43.3	130.1	130.1	Hold 23.00 Inclination	
5530.6	5960.2	23.00	19.43	2032.6	717.0	2155.3	2155.3	Start Drop -2.00	
6650.0	7110.2	0.00	0.00	2247.4	792.7	2383.1	2383.1	Top Gas	
8800.0	9260.2	0.00	0.00	2247.4	792.7	2383.1	2383.1	TD at 9260.2	