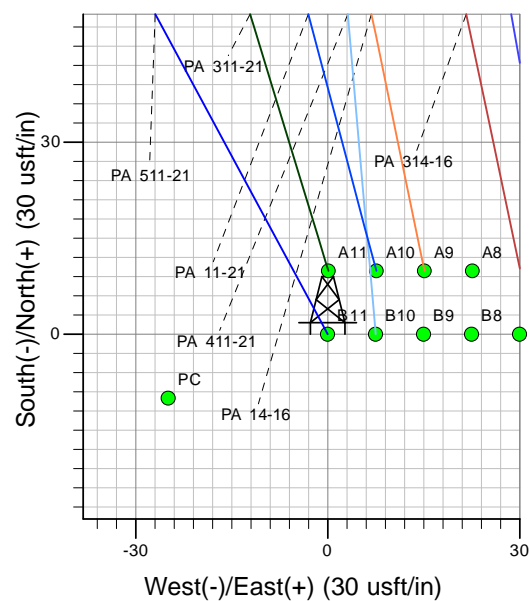
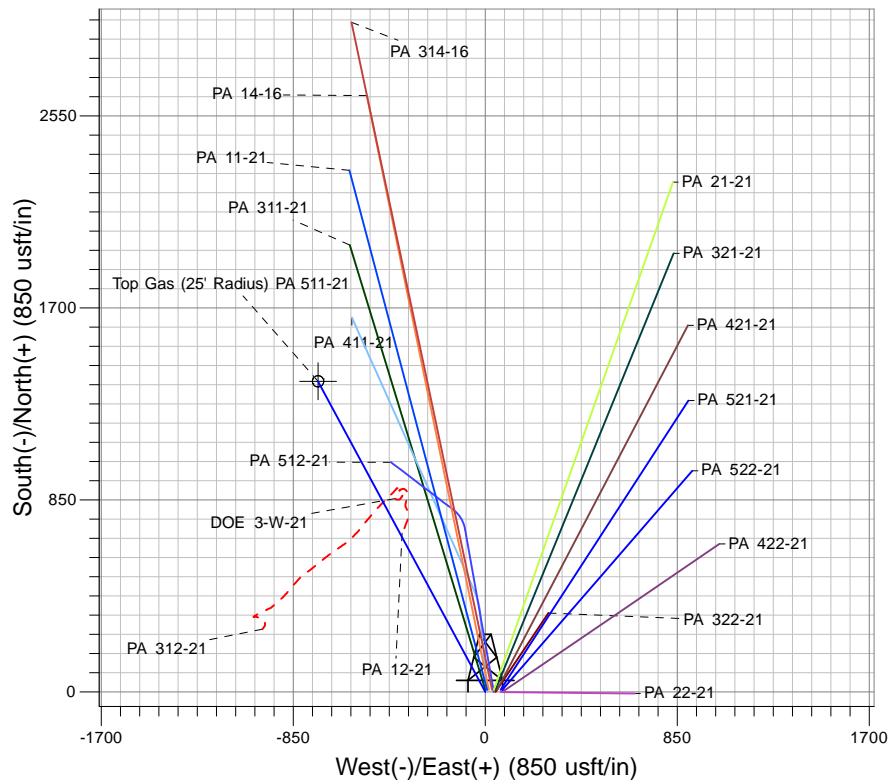
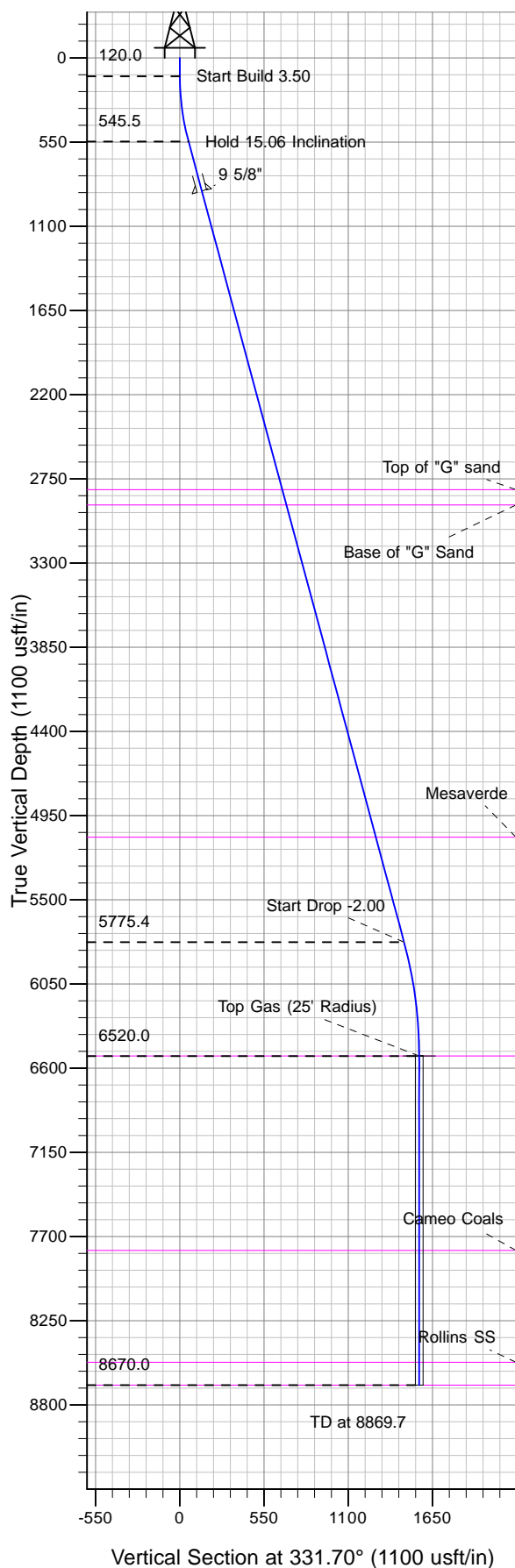




Well Name: PA 511-21
Surface Location: PA 22-21 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6023.0

+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1620690.91 2292436.91 39° 30' 38.734 N 108° 0' 29.344 W B11
KELLY BUSHING @ 6049.0usft (Nabors 577 (26' KB) JMS)



Project: PA 21-06S-095W
Site: PA 22-21 Pad
Well: PA 511-21
Design #1 18Mar10 kjs



Azimuths to True North
Magnetic North: 10.52°
Magnetic Field
Strength: 52381.7snT
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
545.5	550.4	15.06	331.70	49.5	-26.7	56.3	56.3	Hold 15.06 Inclination
5775.4	5966.5	15.06	331.70	1288.9	-694.0	1463.9	1463.9	Start Drop -2.00
6520.0	6719.7	0.00	0.00	1375.6	-740.7	1562.4	1562.4	Top Gas
8670.0	8869.7	0.00	0.00	1375.6	-740.7	1562.4	1562.4	TD at 8869.7