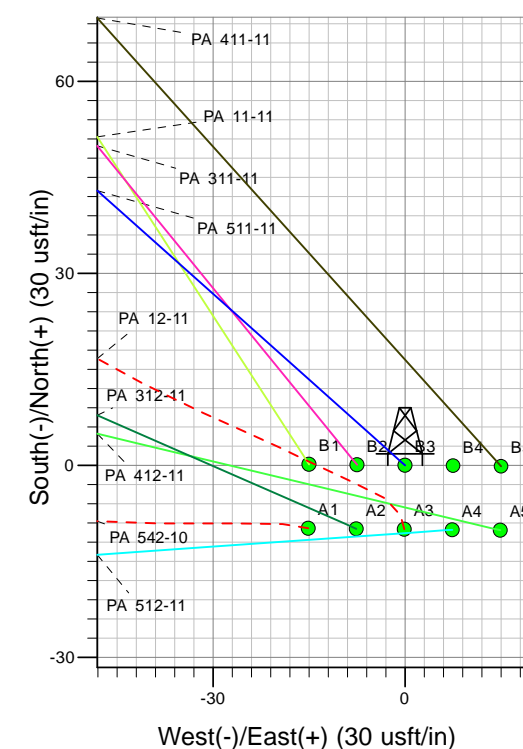
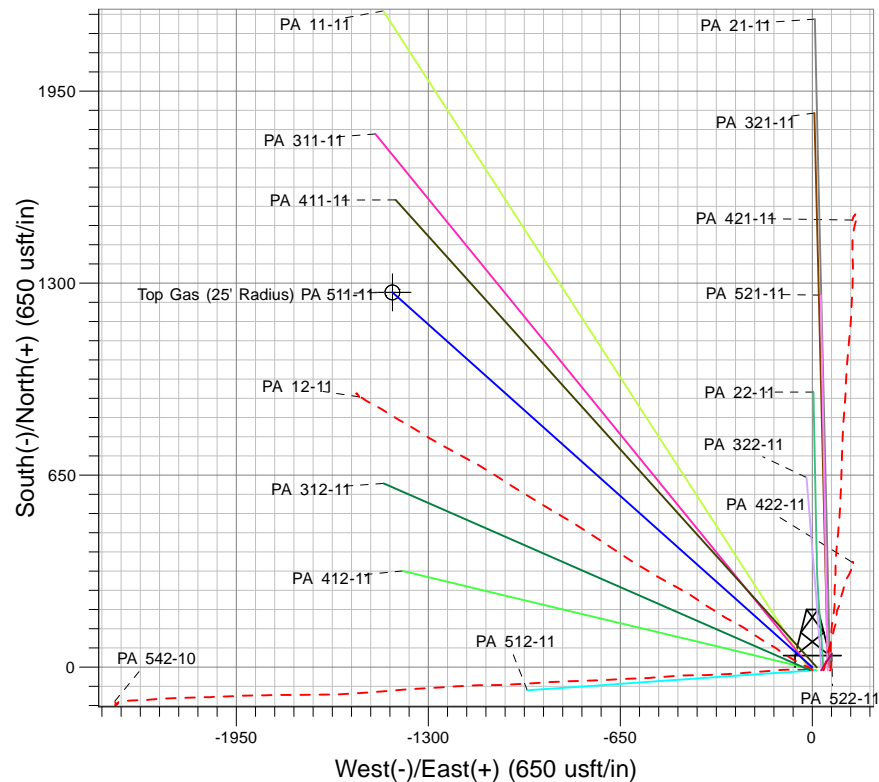
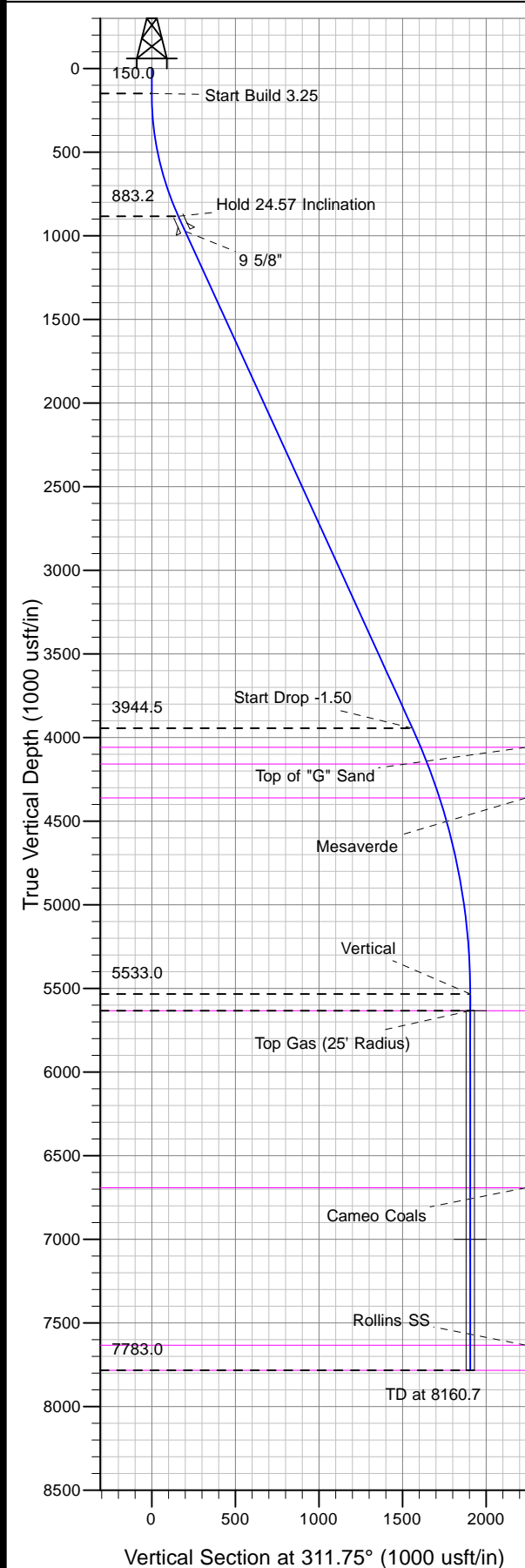




Well Name: PA 511-11
Surface Location: PA 22-11 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6274.0
+N/-S 0.0 +E/-W 0.0 Northing 1599315.05 Easting 2303343.62 Latitude 39° 27' 10.494 N Longitude 107° 58' 2.823 W Slot B3
KELLY BUSHING @ 6300.0usft (Nabors 577 (26' RKB))



Project: PA 11-07S-095W
Site: PA 22-11 Pad
Well: PA 511-11
Plan #2 23Oct12 kjs

T M
Azimuths to True North
Magnetic North: 10.57°
Magnetic Field
Strength: 52459.2snT
Dip Angle: 65.77°
Date: 6/3/2009
Model: IGRF2005-10

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V Sect	Departure	Annotation
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.0	Start Build 3.25
906.1	24.57	311.75	883.2	106.3	-119.1	159.7	159.7	Hold 24.57 Inclination
4272.3	24.57	311.75	3944.5	1038.6	-1163.5	1559.6	1559.6	Start Drop -1.50
5910.7	0.00	0.00	5533.0	1269.0	-1421.6	1905.6	1905.6	Vertical
6010.7	0.00	0.00	5633.0	1269.0	-1421.6	1905.6	1905.6	Top Gas
8160.7	0.00	0.00	7783.0	1269.0	-1421.6	1905.6	1905.6	TD at 8160.7