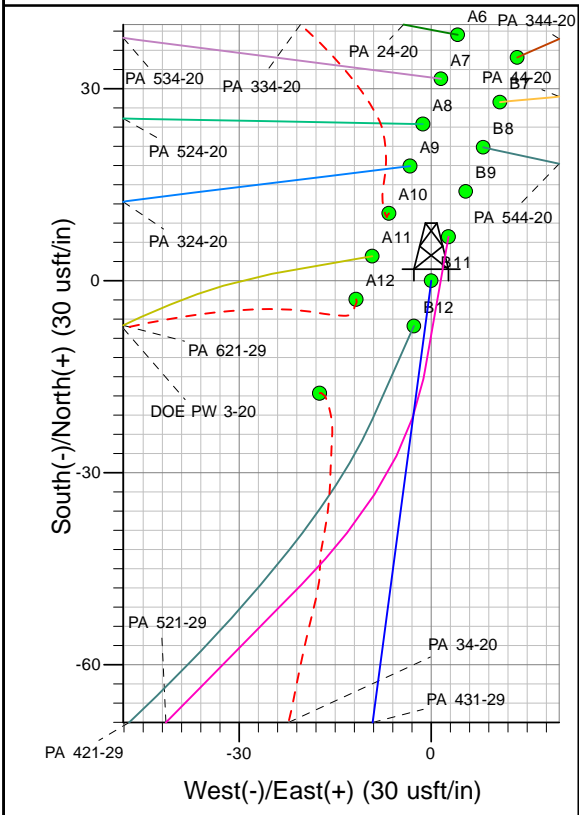
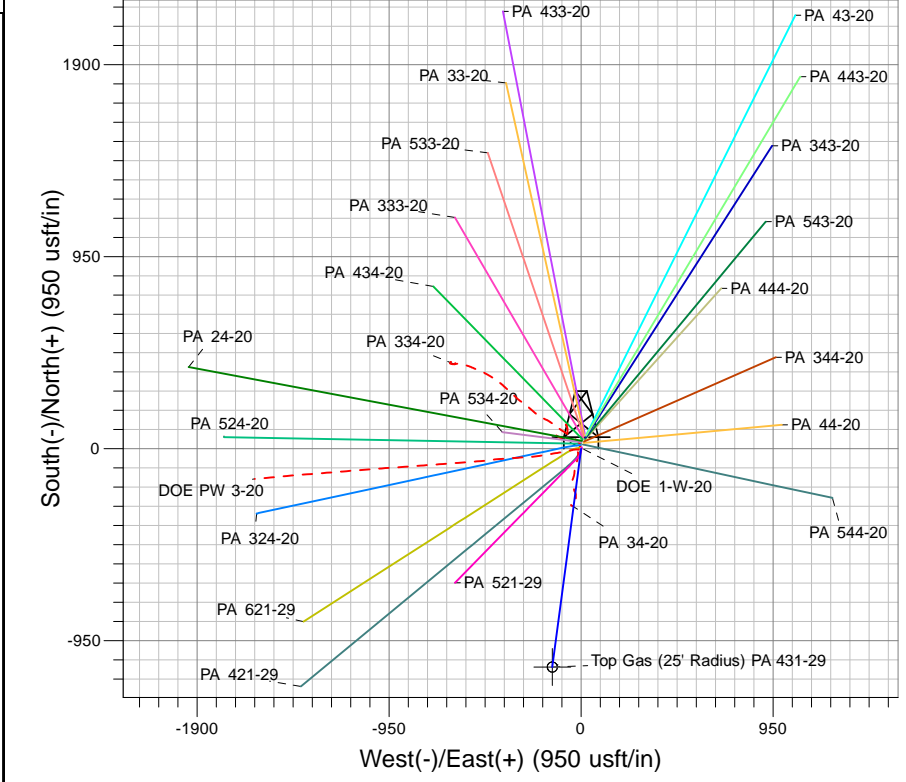
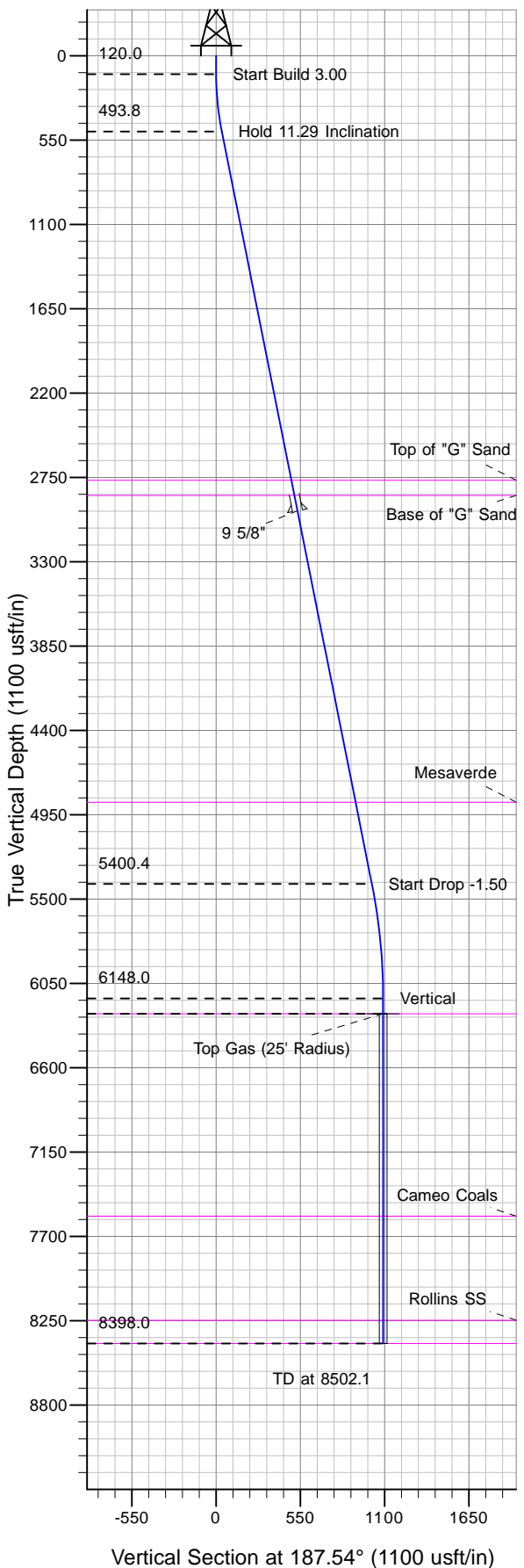




Well Name: PA 431-29  
 Surface Location: DOE 1-W-20 Pad  
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
 Ground Elevation: 6230.0  
 +N/-S 0.0 +E/-W 0.0 Northing 1618265.00 Easting 2289272.20 Latitude 39° 30' 13.901 N Longitude 108° 1' 8.850 W Slot B11  
 KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W  
 Site: DOE 1-W-20 Pad  
 Well: PA 431-29  
 Plan #2 01Oct10 kjs

**T** Azimuths to True North  
**M** Magnetic North: 10.51°  
 Magnetic Field  
 Strength: 52365.2snT  
 Dip Angle: 65.77°  
 Date: 4/22/2010  
 Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.00
493.8	496.2	11.29	187.54	-36.6	-4.8	36.9	36.9	Hold 11.29 Inclination
5400.4	5499.6	11.29	187.54	-1007.4	-133.4	1016.2	1016.2	Start Drop -1.50
6148.0	6252.1	0.00	0.00	-1080.7	-143.1	1090.1	1090.1	Vertical
6248.0	6352.1	0.00	0.00	-1080.7	-143.1	1090.1	1090.1	Top Gas
8398.0	8502.1	0.00	0.00	-1080.7	-143.1	1090.1	1090.1	TD at 8502.1