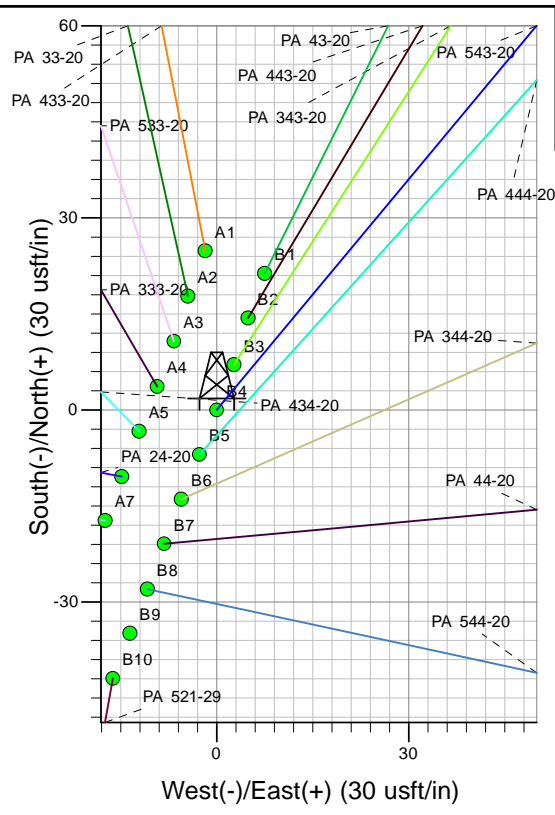
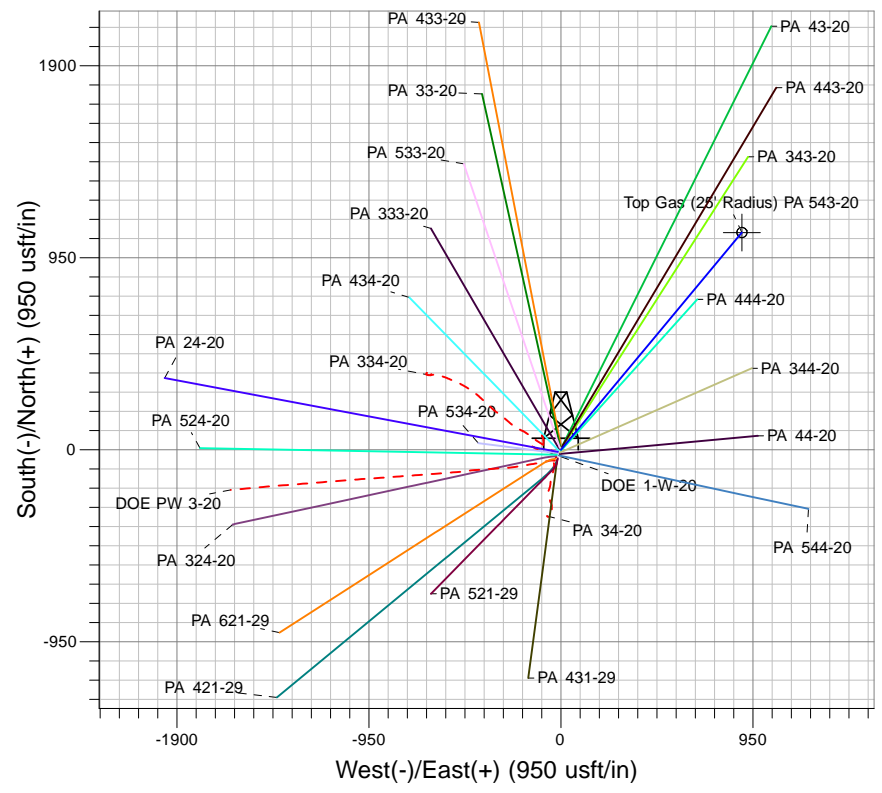
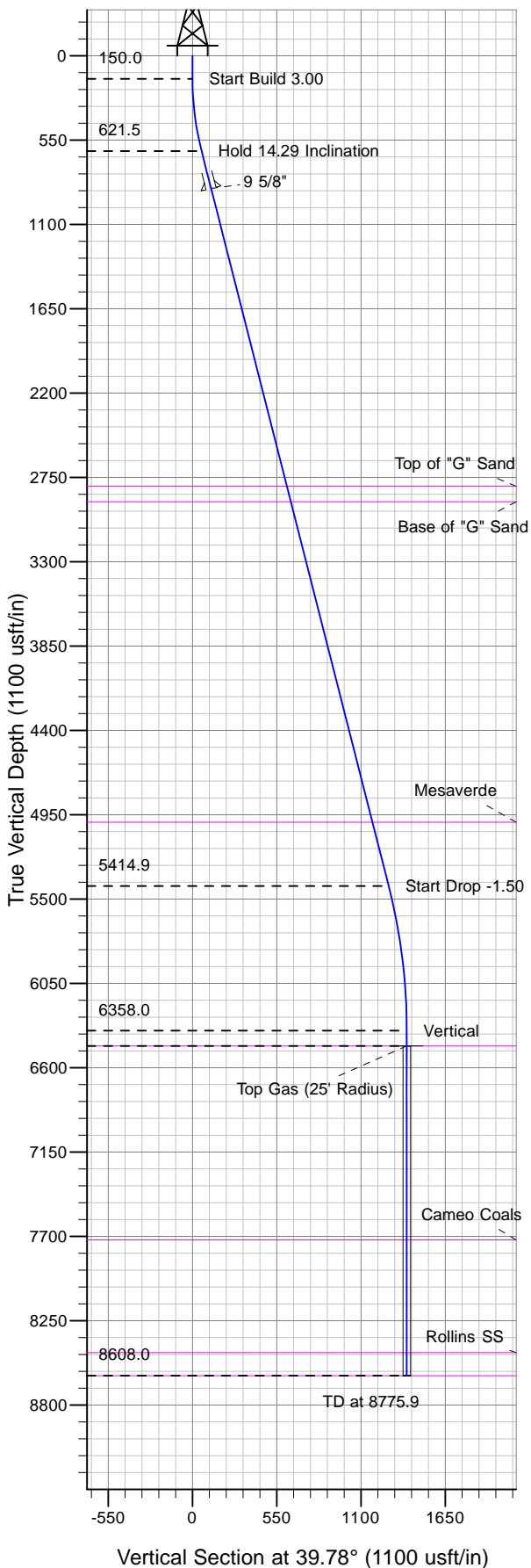




Well Name: PA 543-20  
 Surface Location: DOE 1-W-20 Pad  
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
 Ground Elevation: 6230.0  
 +N/-S 0.0 +E/-W 0.0 Northing 1618313.30 Easting 2289292.50 Latitude 39° 30' 14.384 N Longitude 108° 1' 8.609 W Slot B4  
 KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W  
 Site: DOE 1-W-20 Pad  
 Well: PA 543-20  
 Plan # 21Oct10 kjs

**T M**  
 Azimuths to True North  
 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
150.0	150.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.00
621.5	626.5	14.29	39.78	45.4	37.8	59.1	59.1	Hold 14.29 Inclusion
5414.9	5573.0	14.29	39.78	984.0	819.2	1280.4	1280.4	Start Drop -1.50
6358.0	6525.9	0.00	0.00	1074.9	894.8	1398.6	1398.6	Vertical
6458.0	6625.9	0.00	0.00	1074.9	894.8	1398.6	1398.6	Top Gas
8608.0	8775.9	0.00	0.00	1074.9	894.8	1398.6	1398.6	TD at 8775.9