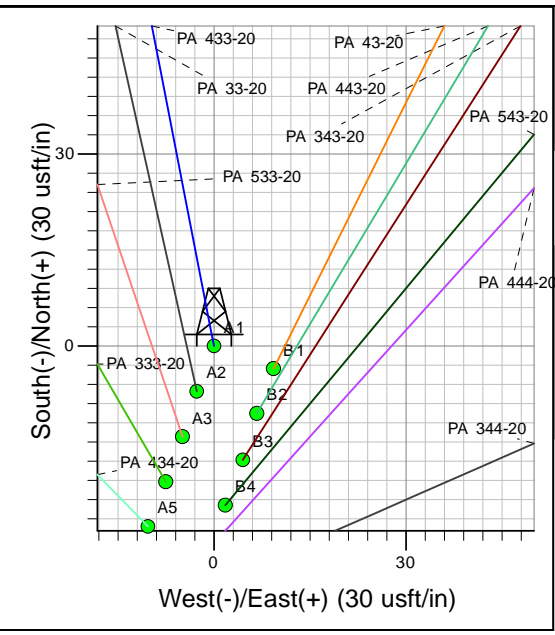
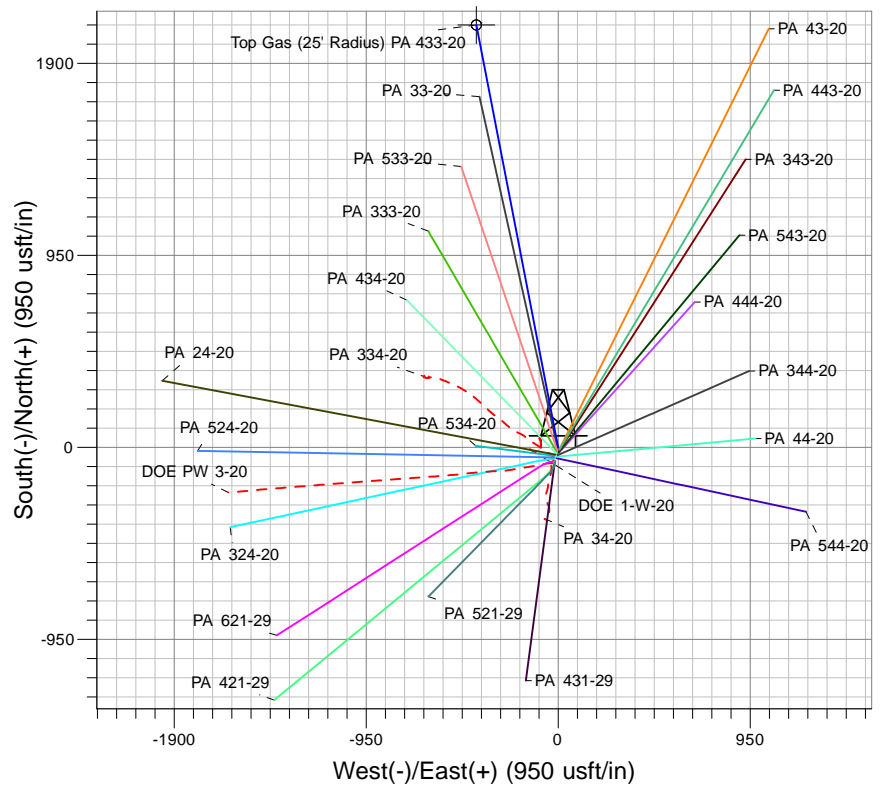
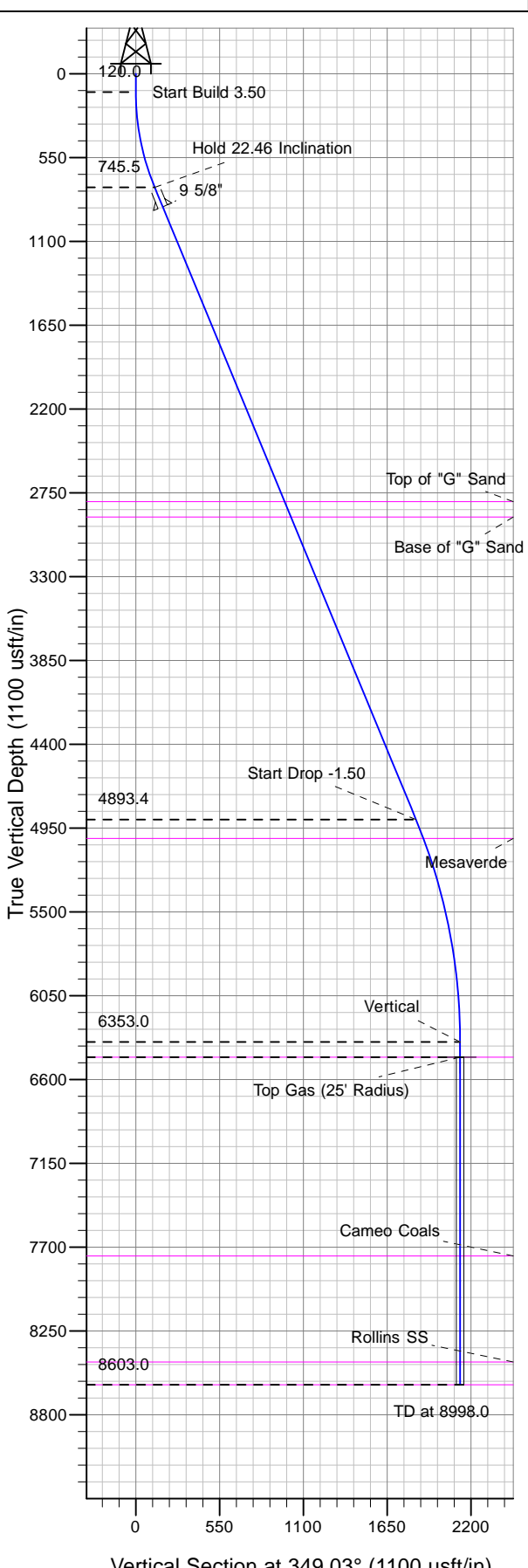




Well Name: PA 433-20
 Surface Location: DOE 1-W-20 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 6230.0
 +N/-S 0.0 +E/-W 0.0 Northing 1618338.20 Easting 2289291.40 Latitude 39° 30' 14.630 N Longitude 108° 1' 8.631 W Slot A1
 KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W
 Site: DOE 1-W-20 Pad
 Well: PA 433-20
 Plan # 2 01Oct10 kjs

M Azimuths to True North
 Magnetic North: 10.51°
 Magnetic Field
 Strength: 52365.3snT
 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 3.50
745.5	761.8	22.46	349.03	122.0	-23.6	124.2	124.2	Hold 22.46 Inclination
4893.4	5250.4	22.46	349.03	1805.7	-350.0	1839.3	1839.3	Start Drop -1.50
6353.0	6748.0	0.00	0.00	2090.3	-405.2	2129.2	2129.2	Vertical
6453.0	6848.0	0.00	0.00	2090.3	-405.2	2129.2	2129.2	Top Gas
8603.0	8998.0	0.00	0.00	2090.3	-405.2	2129.2	2129.2	TD at 8998.0