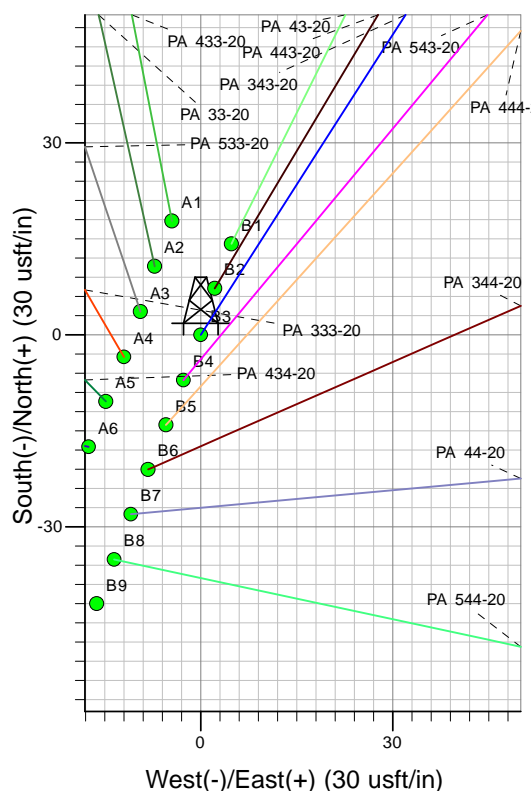
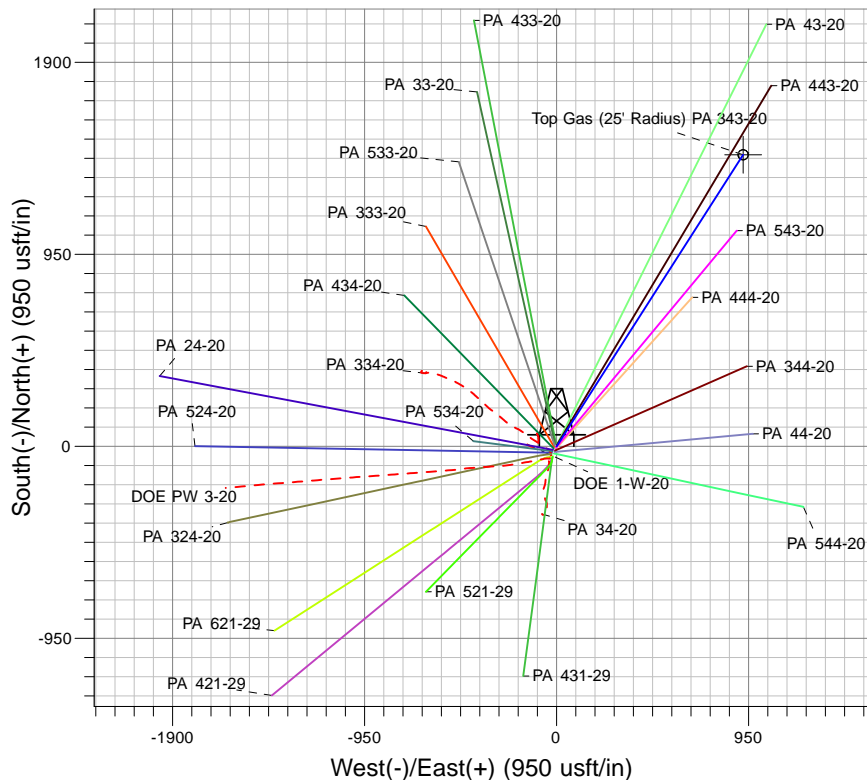
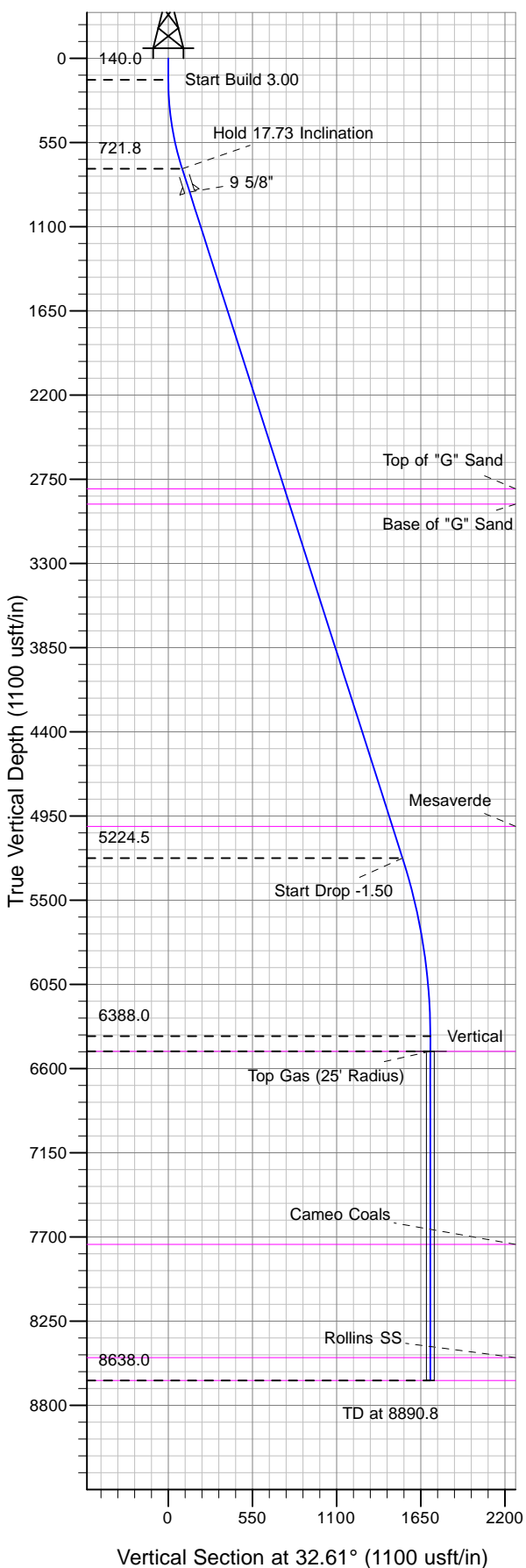




Well Name: PA 343-20
Surface Location: DOE 1-W-20 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6230.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1618320.30 2289295.40 39° 30' 14.454 N 108° 1' 8.574 W B3
KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W
Site: DOE 1-W-20 Pad
Well: PA 343-20
Plan #2 01Oct10 kjs

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
140.0	140.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.00
721.8	731.2	17.73	32.61	76.5	48.9	90.8	90.8	Hold 17.73 Inclination
5224.5	5458.5	17.73	32.61	1289.5	824.8	1530.8	1530.8	Start Drop -1.50
6388.0	6640.8	0.00	0.00	1442.4	922.7	1712.3	1712.3	Vertical
6488.0	6740.8	0.00	0.00	1442.4	922.7	1712.3	1712.3	Top Gas
8638.0	8890.8	0.00	0.00	1442.4	922.7	1712.3	1712.3	TD at 8890.8