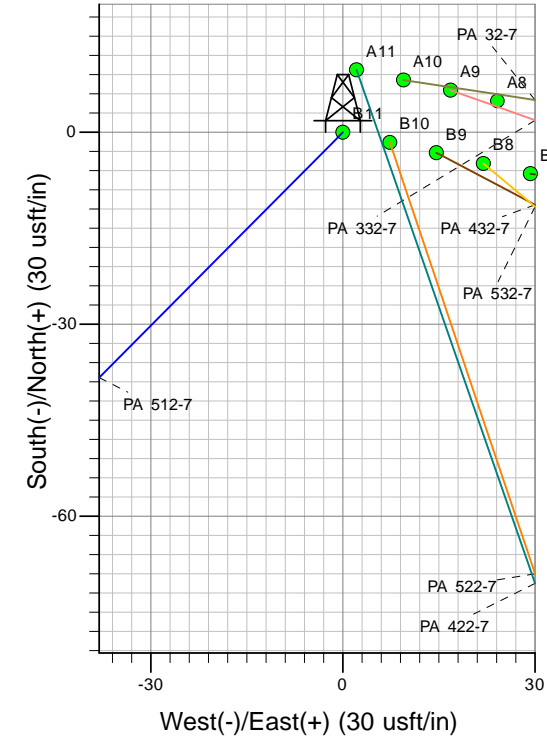
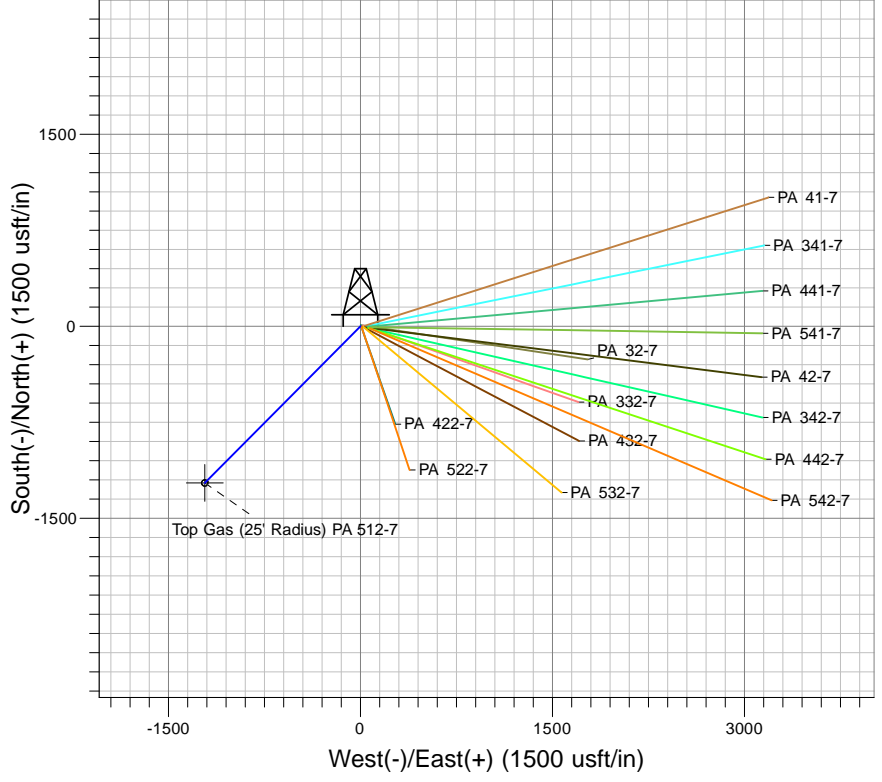
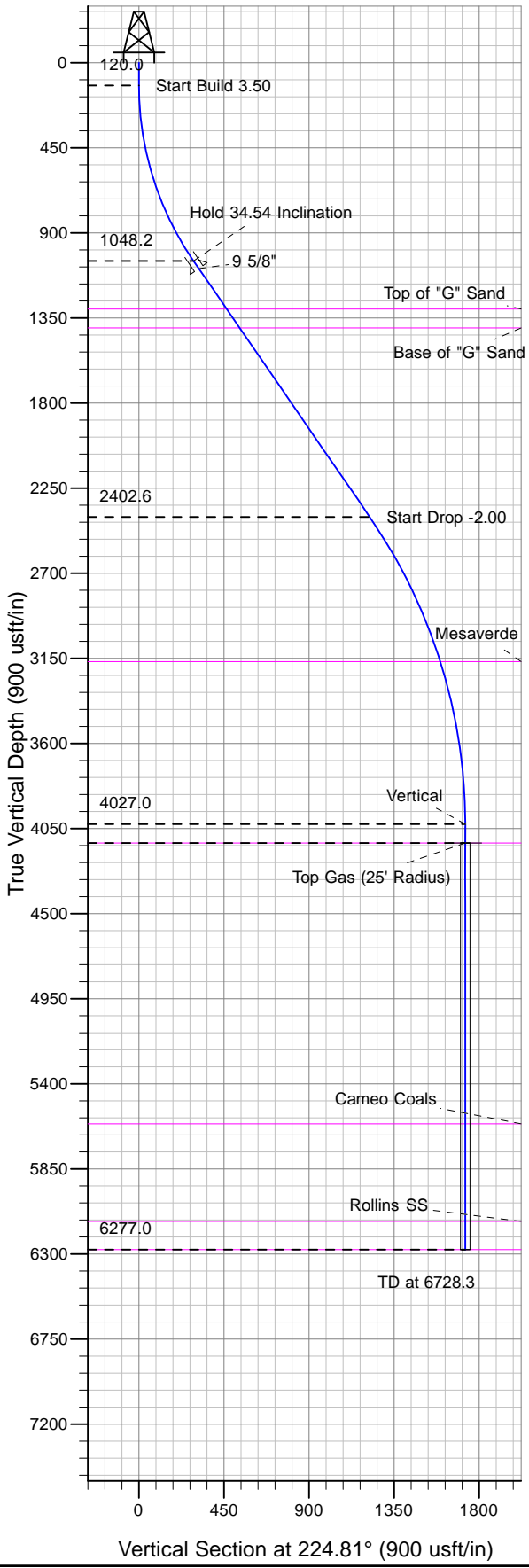




Well Name: PA 512-7
Surface Location: PA 21-7 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5083.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1601196.70 2281813.90 39° 27' 23.216 N 108° 2' 37.871 W B11
KELLY BUSHING @ 5109.0usft (SSD (26' KB) JMS)



Project: PA 07-07S-095W
Site: PA 21-7 Pad
Well: PA 512-7
Plan #2 18Aug10 kjs

Azimuths to True North
Magnetic North: 10.62°
Magnetic Field
Strength: 52471.8snT
Dip Angle: 65.77°
Date: 4/22/2009
Model: IGRF2005-10

| 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 | |
| 1048.2 | 1106.9 | 34.54 | 224.81 | -204.7 | -203.4 | 288.6 | 288.6 | Hold 34.54 Inclination | |
| 2402.6 | 2751.2 | 34.54 | 224.81 | -866.1 | -860.5 | 1220.9 | 1220.9 | Start Drop -2.00 | |
| 4027.0 | 4478.3 | 0.00 | 0.00 | -1224.4 | -1216.5 | 1725.9 | 1725.9 | Vertical | |
| 4127.0 | 4578.3 | 0.00 | 0.00 | -1224.4 | -1216.5 | 1725.9 | 1725.9 | Top Gas | |
| 6277.0 | 6728.3 | 0.00 | 0.00 | -1224.4 | -1216.5 | 1725.9 | 1725.9 | TD at 6728.3 | |