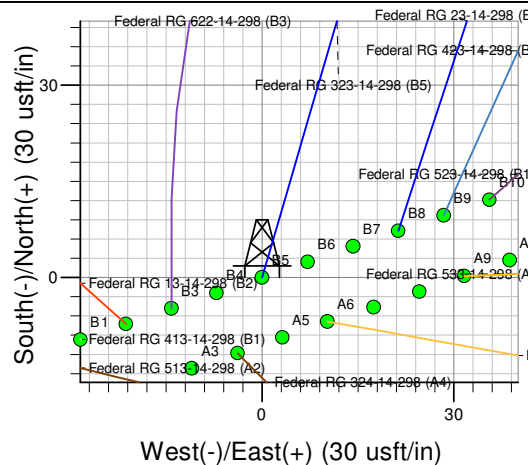
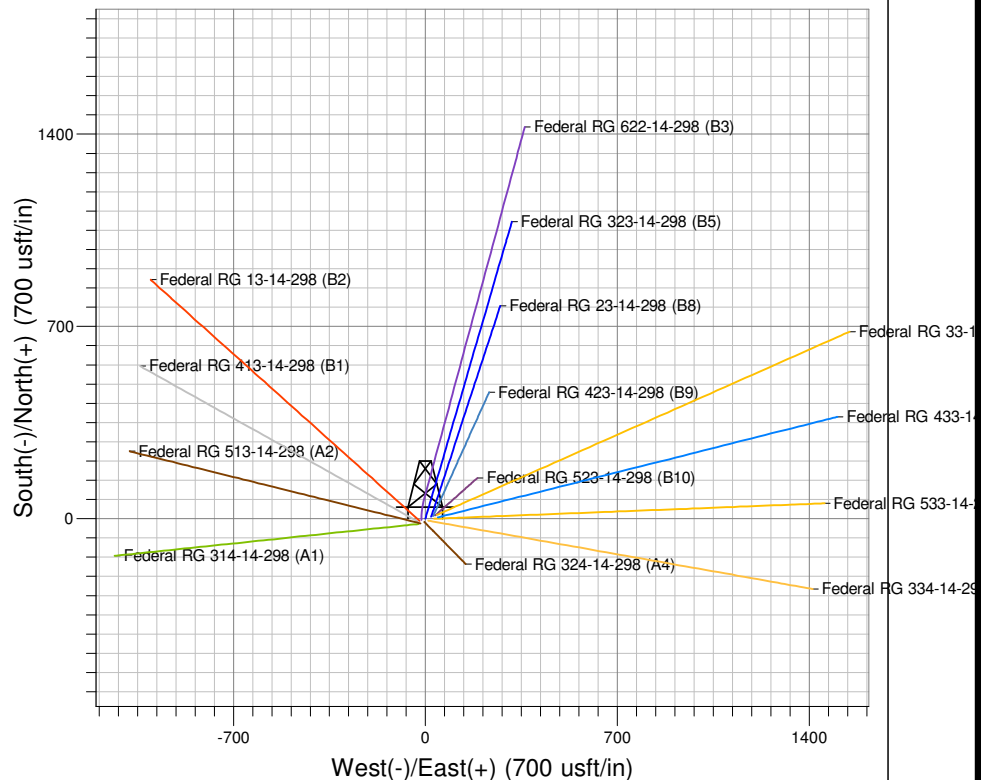


Well Name: Federal RG 323-14-298
 Surface Location: RG 23-14-298 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6600.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1755779.90 2196381.30 39° 52' 25.170 N 108° 21' 48.688 W B5
 Cyclone 29 (21' RKB) jib FULLY BUSHING @ 6621.0usft (Cyclone 29 (21' RKB) jib)



Project: RG 14-02S-098W
 Site: RG 23-14-298 Pad
 Well: Federal RG 323-14-298
 Plan: Plan #2 15Mar10 kjs

Azimuths to True North
 Magnetic North: 10.80°
 Magnetic Field
 Strength: 52629.5nT
 Dip Angle: 66.04°
 Date: 6/16/2009
 Model: IGRF2005-10

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | V Sect | Target |
|---------|-------|-------|---------|--------|-------|------|---------|--------|--|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.0 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.0 | |
| 670.7 | 11.01 | 16.27 | 667.4 | 50.7 | 14.8 | 2.00 | 16.265 | 52.8 | |
| 5921.3 | 11.01 | 16.27 | 5821.2 | 1013.7 | 295.8 | 0.00 | 0.000 | 1056.0 | |
| 6655.6 | 0.00 | 0.00 | 6551.0 | 1081.3 | 315.5 | 1.50 | 180.000 | 1126.3 | Mesaverde (25' Radius) Federal RG 323-14-298 |
| 11095.6 | 0.00 | 0.00 | 10991.0 | 1081.3 | 315.5 | 0.00 | 0.000 | 1126.3 | |

| TVD | MD | Inc | Azi | +N/-S | +E/-W | V Sect | Departure | Annotation |
|---------|---------|-------|-------|--------|-------|--------|-----------|------------------|
| 120.0 | 120.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | Start Build 2.00 |
| 667.4 | 670.7 | 11.01 | 16.27 | 50.7 | 14.8 | 52.8 | 52.8 | Hold 11.01 Inc |
| 5821.2 | 5921.3 | 11.01 | 16.27 | 1013.7 | 295.8 | 1056.0 | 1056.0 | Start Drop -1.50 |
| 6551.0 | 6655.6 | 0.00 | 0.00 | 1081.3 | 315.5 | 1126.3 | 1126.3 | Vertical |
| 10991.0 | 11095.6 | 0.00 | 0.00 | 1081.3 | 315.5 | 1126.3 | 1126.3 | TD at 11096 |