



+N/-S  
0.0

+E/-W  
0.0

Northing  
1754509.60

Easting  
2196444.80

Latitude  
39° 52' 12.642 N

Longitude  
108° 21' 47.361 W

Slot  
A1

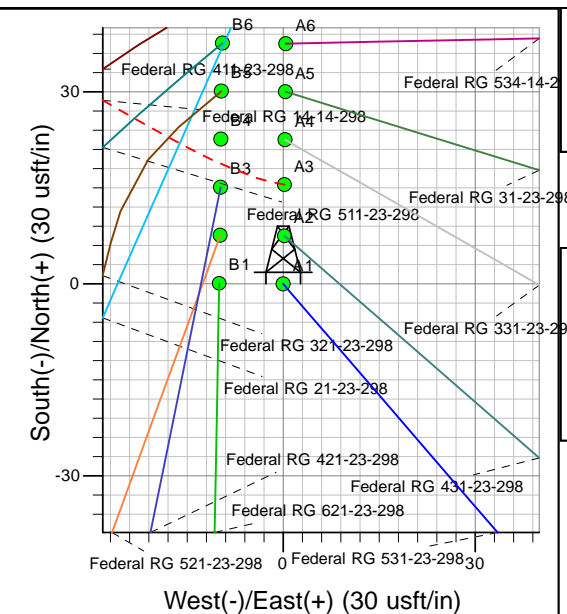
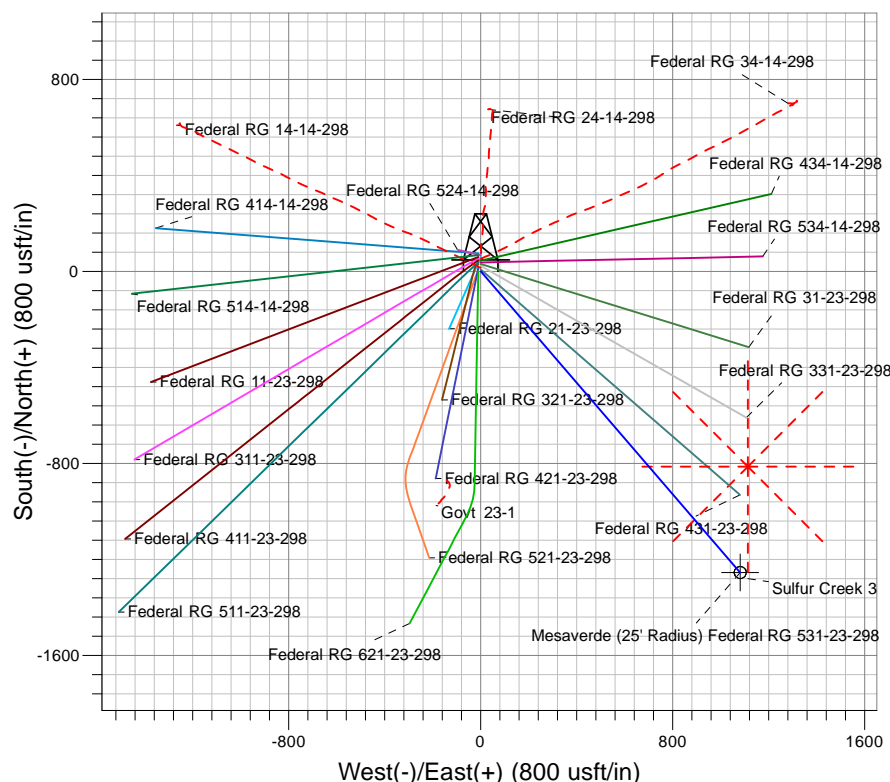
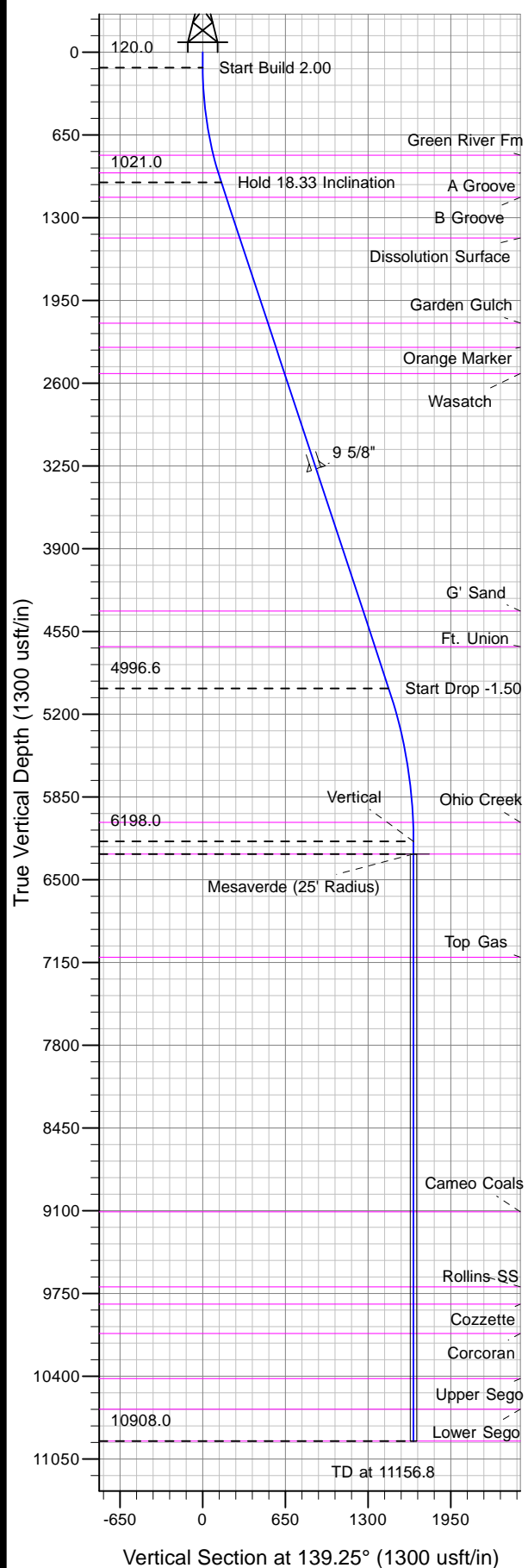
Well Name: Federal RG 531-23-298

Surface Location: Federal RG 24-14-298 Pad

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone

Ground Elevation: 6686.0

KELLY BUSHING @ 6708.0usft (Frontier 10 (22' RKB) kjs)



Project: RG 14-02S-098W  
Site: Federal RG 24-14-298 Pad  
Well: Federal RG 531-23-298  
Plan #2 13Apr11 kjs

Azimuths to True North  
Magnetic North: 10.71°  
Magnetic Field  
Strength: 52515.7snT  
Dip Angle: 66.01°  
Date: 4/19/2010  
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 2.00       |
| 1021.0  | 1036.6  | 18.33 | 139.25 | -110.1  | 94.9   | 145.4  | 145.4     | Hold 18.33 Inclination |
| 4996.6  | 5224.7  | 18.33 | 139.25 | -1108.1 | 954.7  | 1462.6 | 1462.6    | Start Drop -1.50       |
| 6198.0  | 6446.8  | 0.00  | 0.00   | -1254.9 | 1081.3 | 1656.5 | 1656.5    | Vertical               |
| 6298.0  | 6546.8  | 0.00  | 0.00   | -1254.9 | 1081.3 | 1656.5 | 1656.5    | Mesaverde              |
| 10908.0 | 11156.8 | 0.00  | 0.00   | -1254.9 | 1081.3 | 1656.5 | 1656.5    | TD at 11156.8          |