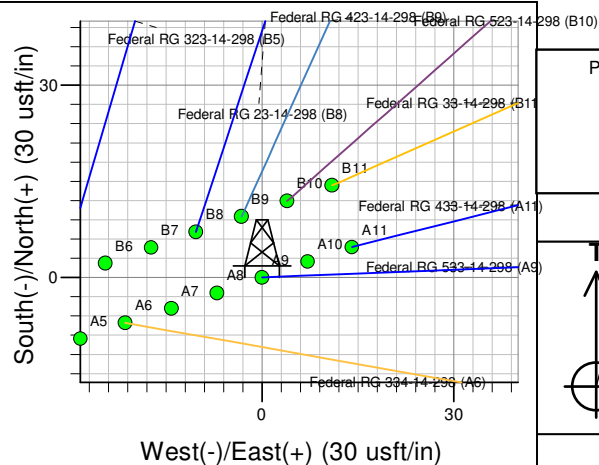
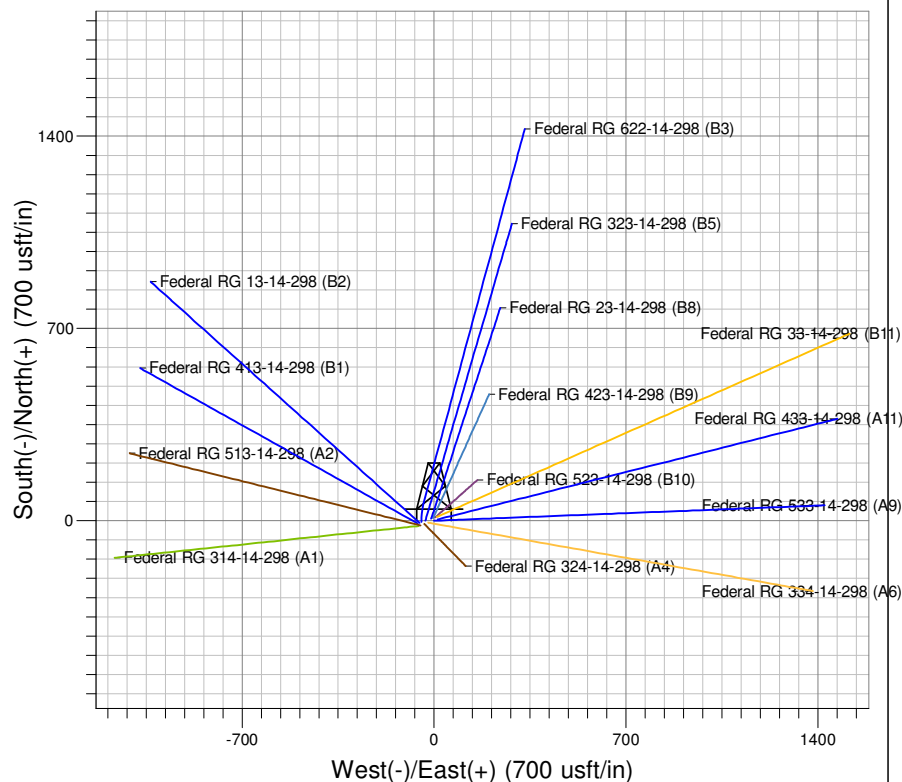


Well Name: Federal RG 533-14-298
 Surface Location: RG 23-14-298 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6600.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1755779.10 2196412.90 39° 52' 25.172 N 108° 21' 48.283 W A9
 Cyclone 29 (21' RKB) JJBLY BUSHING @ 6621.0usft (Cyclone 29 (21' RKB) jjb)



Project: RG 14-02S-098W
 Site: RG 23-14-298 Pad
 Well: Federal RG 533-14-298
 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	
835.1	14.30	87.75	827.7	3.5	88.7	2.00	87.748	88.8	
5767.7	14.30	87.75	5607.4	51.4	1306.3	0.00	0.000	1307.3	
6721.2	0.00	0.00	6551.0	56.0	1424.6	1.50	180.000	1425.7	Mesaverde (25' Radius) Federal RG 533-14-298
11171.2	0.00	0.00	11001.0	56.0	1424.6	0.00	0.000	1425.7	

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
827.7	835.1	14.30	87.75	3.5	88.7	88.8	88.8	Hold 14.3 Inc
5607.4	5767.7	14.30	87.75	51.4	1306.3	1307.3	1307.3	Start Drop -1.50
6551.0	6721.2	0.00	0.00	56.0	1424.6	1425.7	1425.7	Vertical
11001.0	11171.2	0.00	0.00	56.0	1424.6	1425.7	1425.7	TD at 11171