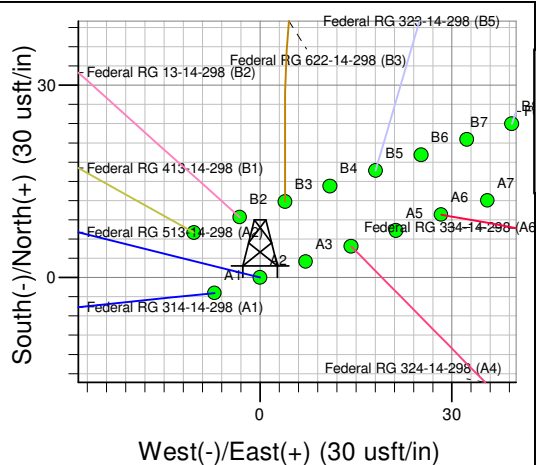
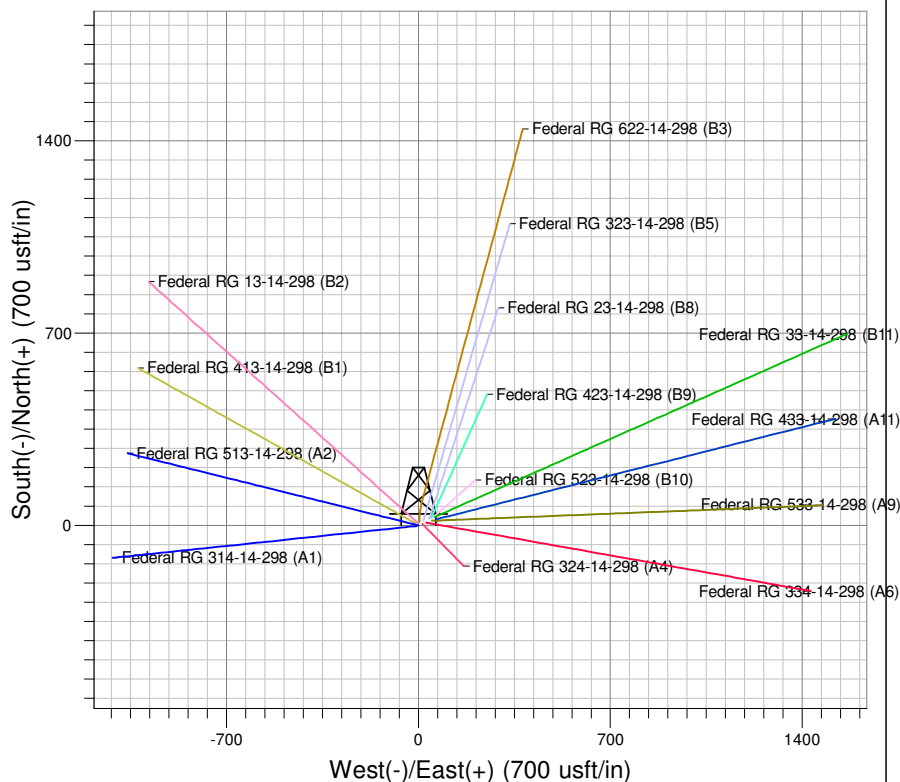


Well Name: Federal RG 513-14-298
 Surface Location: RG 23-14-298 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6600.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1755763.80 2196362.70 39° 52' 25.005 N 108° 21' 48.920 W A2
 Cyclone 29 (21' RKB) KALLY BUSHING @ 6621.0usft (Cyclone 29 (21' RKB) jib)



Project: RG 14-02S-098W
 Site: RG 23-14-298 Pad
 Well: Federal RG 513-14-298
 Plan: Plan #2 15Mar10 kjs

Azimuths to True North
 Magnetic North: 10.79°
 Magnetic Field
 Strength: 52621.5snT
 Dip Angle: 66.04°
 Date: 7/16/2009
 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	
130.0	0.00	0.00	130.0	0.0	0.0	0.00	0.000	0.0	
678.5	10.97	283.90	675.1	12.6	-50.8	2.00	283.901	52.3	
5780.8	10.97	283.90	5684.2	245.8	-993.2	0.00	0.000	1023.2	
6512.0	0.00	0.00	6411.0	262.6	-1061.0	1.50	180.000	1093.0	Mesaverde (25' Radius) Federal RG 513-14-298
10942.0	0.00	0.00	10841.0	262.6	-1061.0	0.00	0.000	1093.0	

TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sect	Departure	Annotation
130.0	130.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 2.00
675.1	678.5	10.97	283.90	12.6	-50.8	52.3	52.3	Hold 10.97 Inc
5684.2	5780.8	10.97	283.90	245.8	-993.2	1023.2	1023.2	Start Drop -1.50
6411.0	6512.0	0.00	0.00	262.6	-1061.0	1093.0	1093.0	Vertical
10841.0	10942.0	0.00	0.00	262.6	-1061.0	1093.0	1093.0	TD at 10942