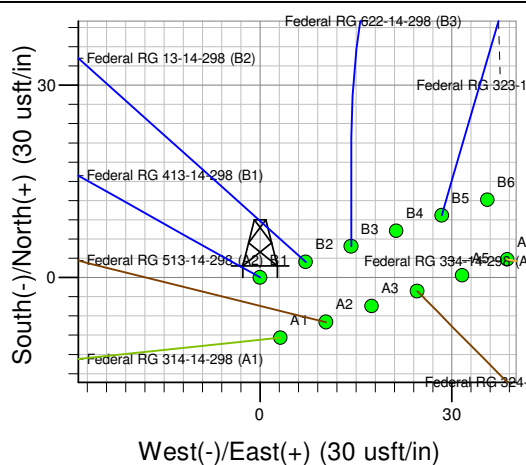
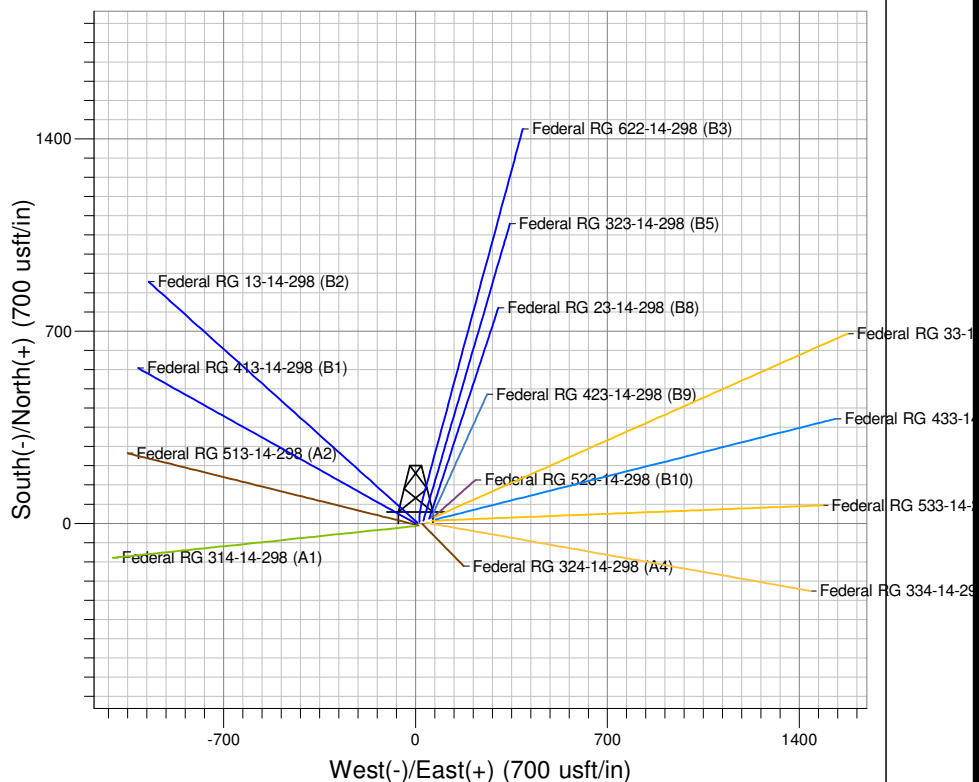


Well Name: Federal RG 413-14-298
 Surface Location: RG 23-14-298 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6600.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1755771.10 2196352.60 39° 52' 25.074 N 108° 21' 49.053 W B1
 Cyclone 29 (21' RKB) KALLY BUSHING @ 6621.0usft (Cyclone 29 (21' RKB) jib)



Project: RG 14-02S-098W
 Site: RG 23-14-298 Pad
 Well: Federal RG 413-14-298
 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	VSec	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	
703.0	11.66	299.19	699.0	28.8	-51.6	2.00	299.194	59.1	
5757.3	11.66	299.19	5649.0	527.1	-943.4	0.00	0.000	1080.7	
6534.7	0.00	0.00	6421.0	565.6	-1012.2	1.50	180.000	1159.5	Mesaverde (25' Radius) Federal RG 413-14-298
10974.7	0.00	0.00	10861.0	565.6	-1012.2	0.00	0.000	1159.5	

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
699.0	703.0	11.66	299.19	28.8	-51.6	59.1	59.1	Hold 11.66 Inc
5649.0	5757.3	11.66	299.19	527.1	-943.4	1080.7	1080.7	Start Drop -1.50
6421.0	6534.7	0.00	0.00	565.6	-1012.2	1159.5	1159.5	Vertical
10861.0	10974.7	0.00	0.00	565.6	-1012.2	1159.5	1159.5	TD at 10975