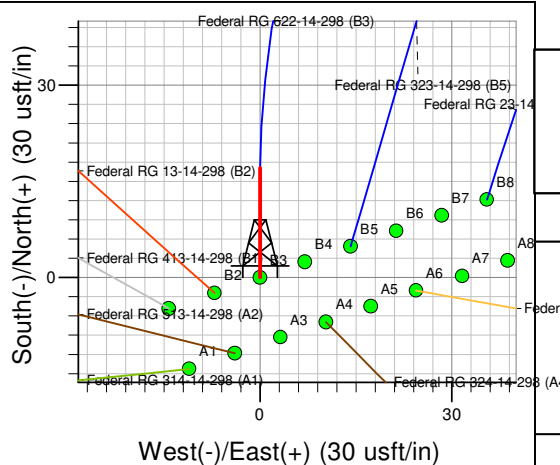
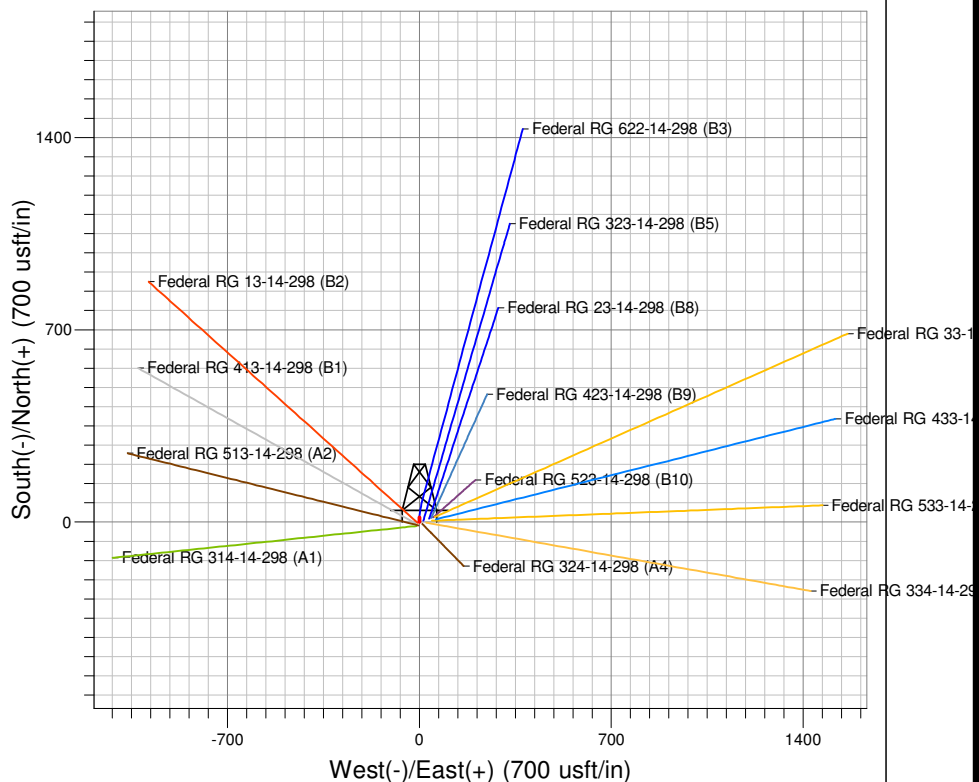


Well Name: Federal RG 622-14-298
 Surface Location: RG 23-14-298 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6600.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1755775.50 2196367.00 39° 52' 25.122 N 108° 21' 48.870 W B3
 Cyclone 29 (21' RKB) jlb ALLY BUSHING @ 6621.0usft (Cyclone 29 (21' RKB) jlb)



Project: RG 14-02S-098W
 Site: RG 23-14-298 Pad
 Well: Federal RG 622-14-298
 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	
400.0	7.00	0.00	399.3	17.1	0.0	2.50	0.000	16.5	
809.0	14.73	15.18	800.7	92.3	13.6	2.00	27.907	92.8	
5771.0	14.73	15.18	5599.6	1310.2	344.1	0.00	0.000	1354.6	
6753.2	0.00	0.00	6571.0	1431.4	377.0	1.50	180.000	1480.2	Mesaverde (25' Radius) Federal RG 622-14-298
11193.2	0.00	0.00	11011.0	1431.4	377.0	0.00	0.000	1480.2	

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 2.50
399.3	400.0	7.00	0.00	17.1	0.0	16.5	17.1	Start DLS 2.00 TFO 27.907
800.7	809.0	14.73	15.18	92.3	13.6	92.8	93.8	Hold 7 Inc
5599.6	5771.0	14.73	15.18	1310.2	344.1	1354.6	1355.6	Start Drop -1.50
6571.0	6753.2	0.00	0.00	1431.4	377.0	1480.2	1481.2	Vertical
11011.0	11193.2	0.00	0.00	1431.4	377.0	1480.2	1481.2	TD at 11193