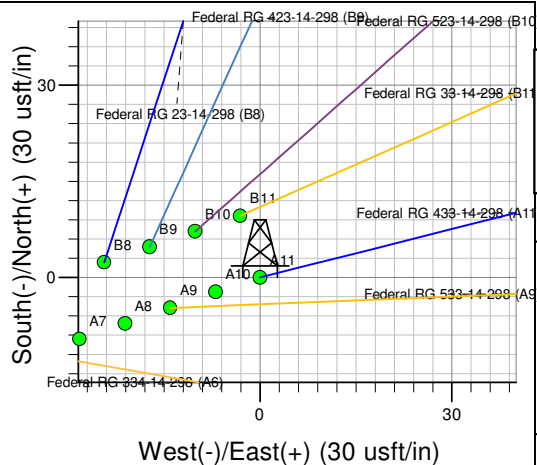
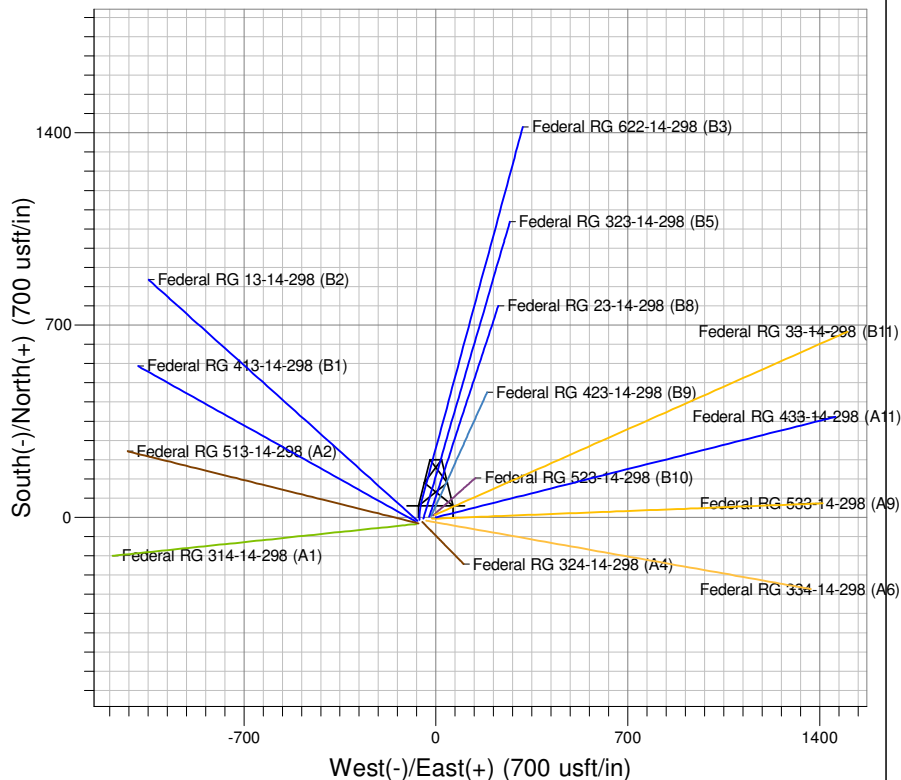


Well Name: Federal RG 433-14-298
 Surface Location: RG 23-14-298 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6600.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1755783.40 2196427.10 39° 52' 25.219 N 108° 21' 48.103 W A11
 Cyclone 29 (21' RKB) KALLY BUSHING @ 6621.0usft (Cyclone 29 (21' RKB) jib)



Project: RG 14-02S-098W
 Site: RG 23-14-298 Pad
 Well: Federal RG 433-14-298
 Plan: Plan #2 15Mar10 kjs

Azimuths to True North
 Magnetic North: 10.80°
 Magnetic Field
 Strength: 52629.5snT
 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	
715.6	14.89	75.89	708.9	18.8	74.6	2.50	75.894	77.0	
5765.7	14.89	75.89	5589.4	335.0	1333.2	0.00	0.000	1374.7	
6758.4	0.00	0.00	6571.0	366.3	1457.6	1.50	180.000	1503.0	Mesaverde (25' Radius) Federal RG 433-14-298
11208.4	0.00	0.00	11021.0	366.3	1457.6	0.00	0.000	1503.0	

TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sect	Departure	Annotation
120.0	120.0	0.00	0.0	0.0	0.0	0.0	0.0	Start Build 2.50
708.9	715.6	14.89	75.89	18.8	74.6	77.0	77.0	Hold 14.89 Inc
5589.4	5765.7	14.89	75.89	335.0	1333.2	1374.7	1374.7	Start Drop -1.50
6571.0	6758.4	0.00	0.00	366.3	1457.6	1503.0	1503.0	Vertical
11021.0	11208.4	0.00	0.00	366.3	1457.6	1503.0	1503.0	TD at 11208