



Project: RG 24-01S-098W  
 Site: RGU 33-24-198 Pad  
 Well: RGU 442-24-198  
 Plan 2 06Jun13 kjs

Azimuths to True North  
 Magnetic North: 10.31°  
 Magnetic Field  
 Strength: 52245.5snT  
 Dip Angle: 65.99°  
 Date: 6/7/2013  
 Model: IGRF2010

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
120.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.50
316.67	317.14	6.90	54.01	6.97	9.59	11.86	11.86	Hold 6.90 Inclination
3500.00	3523.70	6.90	54.01	233.37	321.27	397.08	397.08	Start Build 3.50
3678.57	3705.16	13.25	54.01	252.02	346.94	428.81	428.81	Hold 13.25 Inclination
6931.45	7047.02	13.25	54.01	702.20	966.70	1194.82	1194.82	Start Drop -1.50
7807.00	7930.42	0.00	0.00	761.97	1048.99	1296.52	1296.52	Vertical
7907.00	8030.42	0.00	0.00	761.97	1048.99	1296.52	1296.52	Mesaverde
12762.00	12885.42	0.00	0.00	761.97	1048.99	1296.52	1296.52	TD at 12885.42