


Project: RG 23-01S-098W
Site: RGU 43-23-198 Pad
Well: RGU 33-23-198
Design #2 15Jan13 kjs



Azimuths to True North
Magnetic North: 10.44°
Magnetic Field
Strength: 52337.5snT
Dip Angle: 66.01°
Date: 6/27/2012
Model: IGRF2010

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 3.50	
277.14	5.50	317.96	276.90	5.60	-4.93	7.54	7.54	Hold 5.50 Inc, 317.96° azi	
3515.15	5.50	317.96	3500.00	236.09	-212.76	317.89	317.89	Start Build 3.50	
4092.35	25.70	317.96	4053.06	350.79	-316.16	472.31	472.31	Hold 25.70 Inclination	
6692.07	25.70	317.96	6395.57	1188.19	-1071.11	1599.79	1599.79	Start Drop -2.00	
7977.17	0.00	0.00	7638.00	1398.71	-1260.90	1883.23	1883.23	Vertical	
8077.17	0.00	0.00	7738.00	1398.71	-1260.90	1883.23	1883.23	Mesaverde	
12907.17	0.00	0.00	12568.00	1398.71	-1260.90	1883.23	1883.23	TD at 12907.17	