



Project: RG 24-01S-098W  
Site: RGU 33-24-198 Pad  
Well: RGU 522-24-198  
Plan 2 10Jun13 kjs

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Asimuths to True North  
Magnetic North: 10.31°  
Magnetic Field  
Strength: 52244.7snT  
Dip Angle: 65.99°  
Date: 6/10/2013  
Model: IGRF2010

| ANNOTATIONS |          |       |        |        |          |         |           |                        |  |
|-------------|----------|-------|--------|--------|----------|---------|-----------|------------------------|--|
| TVD         | MD       | Inc   | Azi    | +N/-S  | +E/-W    | VSect   | Departure | Annotation             |  |
| 130.00      | 130.00   | 0.00  | 0.00   | 0.00   | 0.00     | 0.00    | 0.00      | Start Build 2.00       |  |
| 479.13      | 480.00   | 7.00  | 295.13 | 9.07   | -19.33   | 21.35   | 21.35     | Hold 7.00 Inclination  |  |
| 3500.00     | 3523.56  | 7.00  | 295.13 | 166.59 | -355.14  | 392.23  | 392.27    | Start Build 2.00       |  |
| 4004.36     | 4040.20  | 17.33 | 295.13 | 212.77 | -453.58  | 500.95  | 501.01    | Hold 17.33 Inclination |  |
| 6674.02     | 6836.86  | 17.33 | 295.13 | 566.62 | -1207.90 | 1334.05 | 1334.19   | Start Drop -1.50       |  |
| 7812.00     | 7992.39  | 0.00  | 0.00   | 640.29 | -1364.93 | 1507.48 | 1507.65   | Vertical               |  |
| 7912.00     | 8092.39  | 0.00  | 0.00   | 640.29 | -1364.93 | 1507.48 | 1507.65   | Mesaverde              |  |
| 12787.00    | 12967.39 | 0.00  | 0.00   | 640.29 | -1364.93 | 1507.48 | 1507.65   | TD at 12967.39         |  |