

Project: **Tiffany**  
Site: **Navajo Lake 32-5**  
Well: **Navajo Lake 32-5 #21-2**  
Wellbore: **Wellbore #1**

**Design #1 (Navajo Lake 32-5 #21-2/Wellbore #1)**

| PROJECT DETAILS: Tiffany     |                           |
|------------------------------|---------------------------|
| Geodetic System:             | US State Plane 1983       |
| Datum:                       | North American Datum 1983 |
| Ellipsoid:                   | GRS 1980                  |
| Zone:                        | New Mexico Central Zone   |
| System Datum: Mean Sea Level |                           |

T

M

Azimuths to True North

Magnetic North: 9.78°

Magnetic Field

Strength: 50984.3snT

Dip Angle: 63.78°

Date: 5/4/2011

Model: IGRF200510

| SECTION DETAILS |        |       |        |        |         |        |      |        |        |          |
|-----------------|--------|-------|--------|--------|---------|--------|------|--------|--------|----------|
| Sec             | MD     | Inc   | Azi    | TVD    | +N/-S   | +E/-W  | Dleg | TFace  | VSect  | Target   |
| 1               | 0.0    | 0.00  | 0.00   | 0.0    | 0.0     | 0.0    | 0.00 | 0.00   | 0.0    |          |
| 2               | 600.0  | 0.00  | 0.00   | 600.0  | 0.0     | 0.0    | 0.00 | 0.00   | 0.0    |          |
| 3               | 3698.4 | 87.96 | 145.61 | 2617.0 | -1606.2 | 1099.4 | 2.84 | 145.61 | 1652.8 |          |
| 4               | 4757.7 | 90.00 | 98.40  | 2637.0 | -2151.6 | 1972.3 | 4.46 | -88.11 | 2671.4 |          |
| 5               | 9206.5 | 90.00 | 98.40  | 2637.0 | -2801.5 | 6373.4 | 0.00 | 0.00   | 6962.0 | 21-2 BHL |

