

Well Name: Guttersen State D28-24D

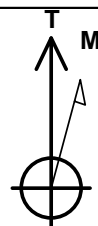
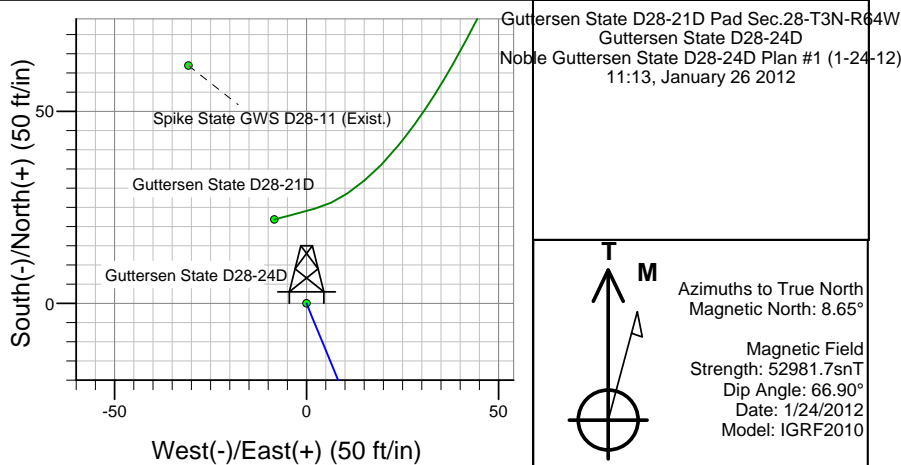
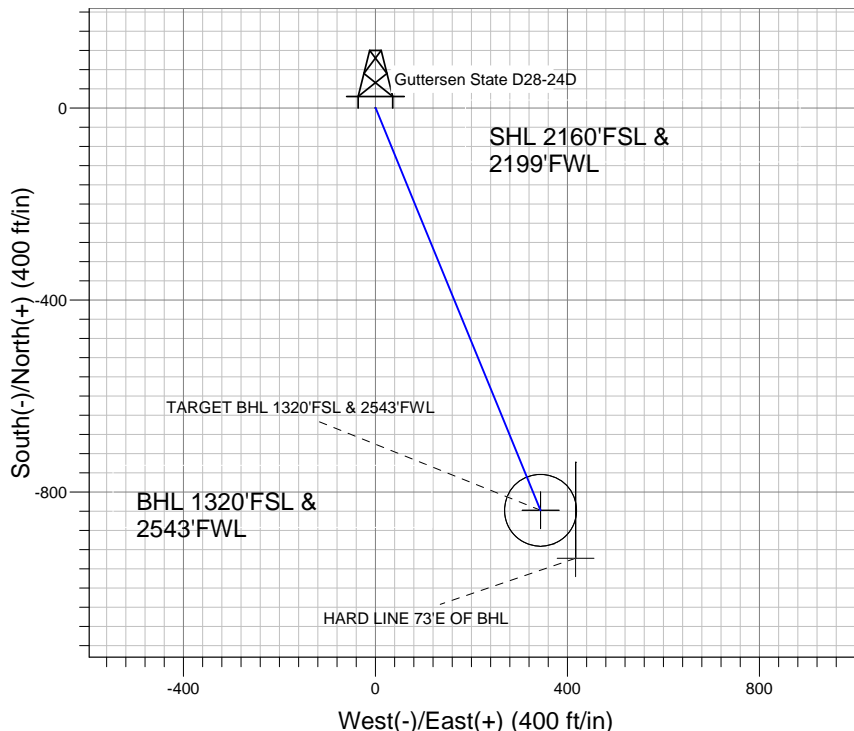
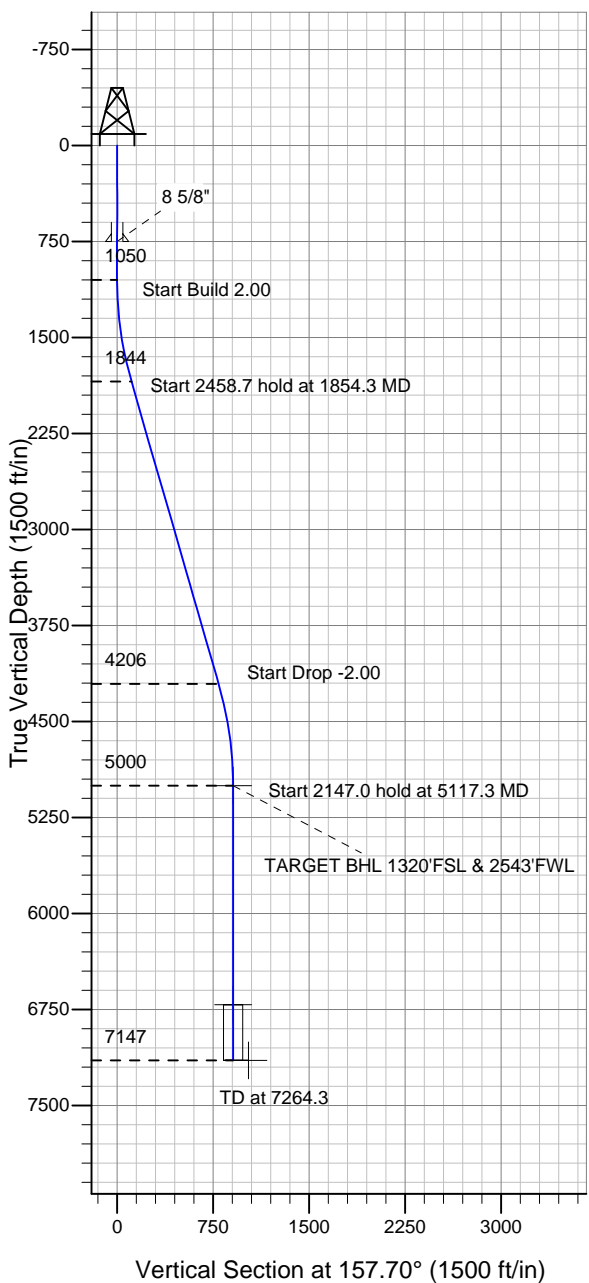
Surface Location: Guttersen State D28-21D Pad Sec.28-T3N-R64W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4799.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|-----------|-------------|------|
| 0.0 | 0.0 | 1315282.78 | 3263181.41 | 40.195010 | -104.557870 | |

Original Well Elev WELL @ 4812.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Azimuths to True North
Magnetic North: 8.65°

Magnetic Field
Strength: 52981.7snT
Dip Angle: 66.90°
Date: 1/24/2012
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|-----------------------------------|--------|--------|-------|-----------|-------------|-----------------------|
| TARGET BHL 1320'FSL & 2543'FWL | 5000.0 | -837.9 | 343.6 | 40.192710 | -104.556640 | Point |
| TARGET CIRCLE 1320'FSL & 2543'FWL | 6712.0 | -837.9 | 343.6 | 40.192710 | -104.556640 | Circle (Radius: 75.0) |
| HARD LINE 73°E OF BHL | 7147.0 | -937.9 | 416.6 | 40.192435 | -104.556379 | Polygon |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|--------|-------|--------|--------|--------|-------|------|--------|-------|--------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 1050.0 | 0.00 | 0.00 | 1050.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1854.3 | 16.09 | 157.70 | 1843.8 | -103.8 | 42.6 | 2.00 | 157.70 | 112.2 | |
| 4 | 4313.0 | 16.09 | 157.70 | 4206.2 | -734.1 | 301.1 | 0.00 | 0.00 | 793.4 | |
| 5 | 5117.3 | 0.00 | 0.00 | 5000.0 | -837.9 | 343.6 | 2.00 | 180.00 | 905.6 | TARGET BHL 1320'FSL & 2543'FWL |
| 6 | 7264.3 | 0.00 | 0.00 | 7147.0 | -837.9 | 343.6 | 0.00 | 0.00 | 905.6 | |