

**HOBBS OCD**

AUG 29 2016

**RECEIVED****5D Plan Report**

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**GMT Exploration Co., LLC****Field Name:** *Lea Co., New Mexico (NAD 83 NME)***Site Name:** *Napoleon Fed #1H***Well Name:** *Napoleon Fed #1H***Plan:** *P1:V1*

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06 August 2014



Napoleon Fed #1H  
Lea Co., New Mexico

Plan Data for Napoleon Fed #1H

Site: Napoleon Fed #1H  
Unit: US Feet TVD Reference:  
Company Name: GMT Exploration Co., LLC  
Position: Northing: 440904.10USft Latitude: 32°12'33.1"  
Easting: 807020.00USft Longitude: -103°28'27.5"  
North Reference: Grid Grid Convergence: 0.46°  
Elevation Above VRD: 0.00USft

Plan Data for Napoleon Fed #1H

Plan Point Information:  
Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre  
MD Inc Az TVD +N/-S +E/-W Northing Easting VSec DLS  
(USft) (") (") (USft) (USft) (USft) (USft) (USft) (DLSU)  
0.00 0.00 0.00 0.00 0.00 0.00 440904.10 807020.00 0.00 0.00  
11397.04 0.00 0.00 11397.04 0.00 0.00 440904.10 807020.00 0.00 0.00  
12297.04 90.00 177.05 11970.00 -572.20 29.51 440331.90 807049.51 572.42 10.00  
16275.82 90.00 177.05 11970.00 -4545.70 234.40 436358.40 807254.40 4547.47 0.00

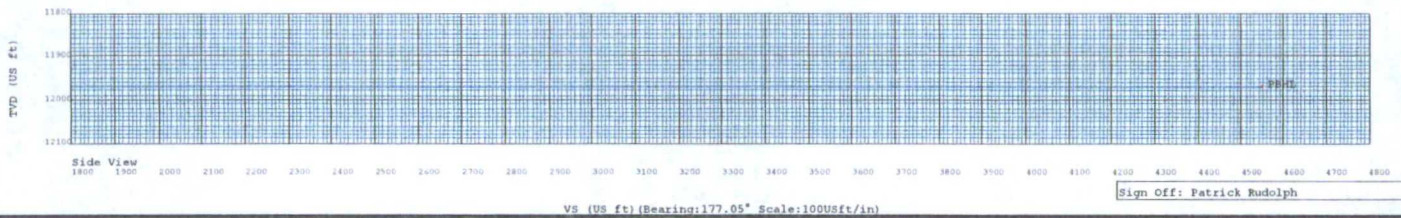
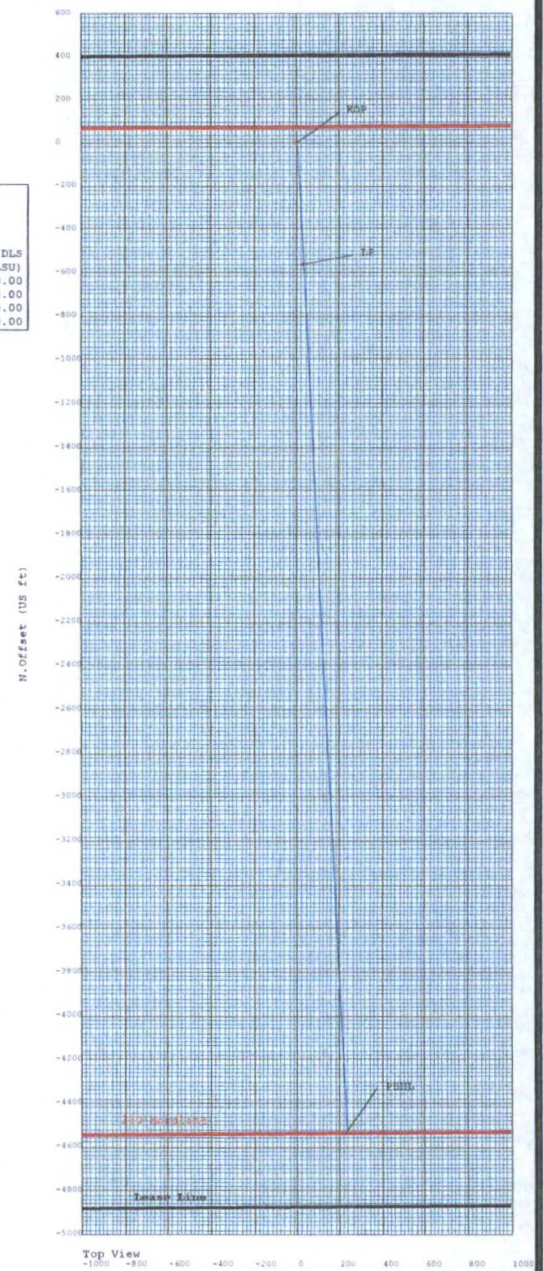
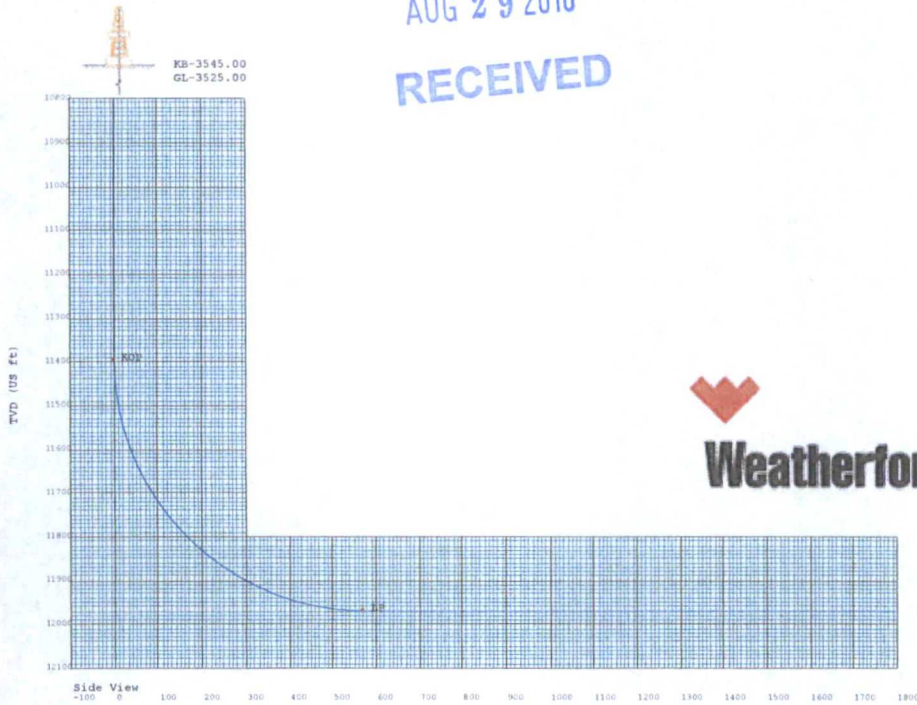
Plan Data for Napoleon Fed #1H

Target Set Information:  
Name: Napoleon Fed #1H  
Position offsets from Slot centre  
Name TVD +N/-S +E/-W Northing Easting Shape Comment  
(USft) (USft) (USft) (USft) (USft)  
PRHL 11970.00 -4545.70 234.40 436358.40 807254.40 Cuboid

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Sign Off: Patrick Rudolph



## Napoleon Fed #1H

|                                                    |                                                              |                            |                                         |              |
|----------------------------------------------------|--------------------------------------------------------------|----------------------------|-----------------------------------------|--------------|
| Field Name<br><br>Lea Co., New Mexico (NAD 83 NME) | Map Units : US ft                                            |                            | Company Name : GMT Exploration Co., LLC |              |
|                                                    | Vertical Reference Datum (VRD) : Mean Sea Level              |                            |                                         |              |
|                                                    | Projected Coordinate System : NAD83 / New Mexico East (ftUS) |                            |                                         |              |
|                                                    | Comment :                                                    |                            |                                         |              |
| Site Name<br><br>Napoleon Fed #1H                  | Units : US ft                                                | North Reference : Grid     | Convergence Angle : 0.46                |              |
|                                                    | Position                                                     | Northing : 440904.10 US ft | Latitude : 32° 12' 33.13"               |              |
|                                                    |                                                              | Easting : 807020.00 US ft  | Longitude : -103° 28' 27.54"            |              |
|                                                    | Elevation above Mean Sea Level:3525.00 US ft                 |                            |                                         |              |
| Comment :                                          |                                                              |                            |                                         |              |
| Slot Name<br><br>Napoleon Fed #1H                  | Position (Offsets relative to Site Centre)                   |                            |                                         |              |
|                                                    | +N / -S : 0.00 US ft                                         | Northing :440904.10 US ft  | Latitude : 32°12'33.13"                 |              |
|                                                    | +E / -W : 0.00 US ft                                         | Easting :807020.00 US ft   | Longitude : -103°28'27.54"              |              |
|                                                    | Slot TVD Reference : Ground Elevation                        |                            |                                         |              |
| Elevation above Mean Sea Level : 3525.00 US ft     |                                                              |                            |                                         |              |
| Comment :                                          |                                                              |                            |                                         |              |
| Well Name<br><br>Napoleon Fed #1H                  | Type : Main well                                             |                            | UWI :                                   | Plan : P1:V1 |
|                                                    | Rig Height <i>Kelly Bushing</i> : 20.00 US ft                |                            | Comment :                               |              |
|                                                    | Relative to Mean Sea Level: 3545.00 US ft                    |                            |                                         |              |
|                                                    | Closure Distance : 4551.74 US ft                             |                            | Closure Azimuth : 177.048°              |              |
|                                                    | Vertical Section (Position of Origin Relative to Slot )      |                            |                                         |              |
|                                                    | +N / -S : 0.00 US ft                                         |                            | +E / -W : 0.00 US ft                    | Az :177.05°  |
|                                                    | Magnetic Parameters                                          |                            |                                         |              |
| Model : BGGM                                       |                                                              | Field Strength :           | Dec : 7.29°                             | Dip : 60.10° |
| 48264.5nT                                          |                                                              | Date : 01/Nov/2014         |                                         |              |

### Target Set

**Name :** Napoleon Fed #1H **Number of Targets :** 1

### Comment :

|                                 |                                             |                                   |                                   |
|---------------------------------|---------------------------------------------|-----------------------------------|-----------------------------------|
| <b>Target Name:</b><br><br>PBHL | <b>Position (Relative to Slot centre)</b>   |                                   |                                   |
|                                 | <b>+N / -S :</b> -4545.70US ft              | <b>Northing :</b> 436358.40 US ft | <b>Latitude :</b> 32°11'48.14"    |
|                                 | <b>+E / -W :</b> 234.40 US ft               | <b>Easting :</b> 807254.40US ft   | <b>Longitude :</b> -103°28'25.24" |
|                                 | <b>TVD (Kelly Bushing) :</b> 11970.00 US ft |                                   |                                   |
| <b>Shape:</b><br><br>Cuboid     | <b>Orientation Azimuth :</b> 0.00°          | <b>Inclination :</b> 0.00°        |                                   |
|                                 | <b>Dimensions Length :</b> 0.00 US ft       | <b>Breadth :</b> 0.00 US ft       | <b>Height :</b> 0.00 US ft        |

Well path created using minimum curvature

## 5D Plan Report

| Salient Points (Relative to Slot centre, TVD relative to Kelly Bushing ) |            |           |                |                     |                     |                         |               |                            |                            |               |         |
|--------------------------------------------------------------------------|------------|-----------|----------------|---------------------|---------------------|-------------------------|---------------|----------------------------|----------------------------|---------------|---------|
| MD<br>(US ft)                                                            | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | DLS<br>(°/100 US<br>ft) | VS<br>(US ft) | B.Rate<br>(°/100 US<br>ft) | T.Rate<br>(°/100 US<br>ft) | T.Face<br>(°) | Comment |
| 0.00                                                                     | 0.00       | 0.00      | 0.00           | 0.00                | 0.00                | 0.00                    | -0.00         | 0.00                       | 0.00                       | 0.00          |         |
| 11397.04                                                                 | 0.00       | 0.00      | 11397.04       | 0.00                | 0.00                | 0.00                    | -0.00         | 0.00                       | 0.00                       | 0.00          | KOP     |
| 12297.04                                                                 | 90.00      | 177.05    | 11970.00       | -572.20             | 29.51               | 10.00                   | 572.96        | 10.00                      | 0.00                       | 177.05        | LP      |
| 16275.82                                                                 | 90.00      | 177.05    | 11970.00       | -4545.70            | 234.40              | 0.00                    | 4551.74       | 0.00                       | 0.00                       | 0.00          | PBHL    |

| Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing ) |            |           |                |                     |                     |               |                         |                     |                    |               |         |
|-------------------------------------------------------------------------------|------------|-----------|----------------|---------------------|---------------------|---------------|-------------------------|---------------------|--------------------|---------------|---------|
| MD<br>(US ft)                                                                 | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | VS<br>(US ft) | DLS<br>(°/100 US<br>ft) | Northing<br>(US ft) | Easting<br>(US ft) | T.Face<br>(°) | Comment |
| 0.00                                                                          | 0.00       | 0.00      | 0.00           | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 100.00                                                                        | 0.00       | 0.00      | 100.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 200.00                                                                        | 0.00       | 0.00      | 200.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 300.00                                                                        | 0.00       | 0.00      | 300.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 400.00                                                                        | 0.00       | 0.00      | 400.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 500.00                                                                        | 0.00       | 0.00      | 500.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 600.00                                                                        | 0.00       | 0.00      | 600.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 700.00                                                                        | 0.00       | 0.00      | 700.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 800.00                                                                        | 0.00       | 0.00      | 800.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 900.00                                                                        | 0.00       | 0.00      | 900.00         | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1000.00                                                                       | 0.00       | 0.00      | 1000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1100.00                                                                       | 0.00       | 0.00      | 1100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1200.00                                                                       | 0.00       | 0.00      | 1200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1300.00                                                                       | 0.00       | 0.00      | 1300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1400.00                                                                       | 0.00       | 0.00      | 1400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1500.00                                                                       | 0.00       | 0.00      | 1500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1600.00                                                                       | 0.00       | 0.00      | 1600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1700.00                                                                       | 0.00       | 0.00      | 1700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1800.00                                                                       | 0.00       | 0.00      | 1800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 1900.00                                                                       | 0.00       | 0.00      | 1900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2000.00                                                                       | 0.00       | 0.00      | 2000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2100.00                                                                       | 0.00       | 0.00      | 2100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2200.00                                                                       | 0.00       | 0.00      | 2200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2300.00                                                                       | 0.00       | 0.00      | 2300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2400.00                                                                       | 0.00       | 0.00      | 2400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2500.00                                                                       | 0.00       | 0.00      | 2500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2600.00                                                                       | 0.00       | 0.00      | 2600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2700.00                                                                       | 0.00       | 0.00      | 2700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2800.00                                                                       | 0.00       | 0.00      | 2800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 2900.00                                                                       | 0.00       | 0.00      | 2900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3000.00                                                                       | 0.00       | 0.00      | 3000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3100.00                                                                       | 0.00       | 0.00      | 3100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3200.00                                                                       | 0.00       | 0.00      | 3200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3300.00                                                                       | 0.00       | 0.00      | 3300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3400.00                                                                       | 0.00       | 0.00      | 3400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3500.00                                                                       | 0.00       | 0.00      | 3500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3600.00                                                                       | 0.00       | 0.00      | 3600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3700.00                                                                       | 0.00       | 0.00      | 3700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3800.00                                                                       | 0.00       | 0.00      | 3800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 3900.00                                                                       | 0.00       | 0.00      | 3900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4000.00                                                                       | 0.00       | 0.00      | 4000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4100.00                                                                       | 0.00       | 0.00      | 4100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4200.00                                                                       | 0.00       | 0.00      | 4200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4300.00                                                                       | 0.00       | 0.00      | 4300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4400.00                                                                       | 0.00       | 0.00      | 4400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4500.00                                                                       | 0.00       | 0.00      | 4500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4600.00                                                                       | 0.00       | 0.00      | 4600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4700.00                                                                       | 0.00       | 0.00      | 4700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4800.00                                                                       | 0.00       | 0.00      | 4800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 4900.00                                                                       | 0.00       | 0.00      | 4900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |



## 5D Plan Report

| Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing ) |            |           |                |                     |                     |               |                         |                     |                    |               |         |
|-------------------------------------------------------------------------------|------------|-----------|----------------|---------------------|---------------------|---------------|-------------------------|---------------------|--------------------|---------------|---------|
| MD<br>(US ft)                                                                 | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | VS<br>(US ft) | DLS<br>(%/100 US<br>ft) | Northing<br>(US ft) | Easting<br>(US ft) | T.Face<br>(°) | Comment |
| 5000.00                                                                       | 0.00       | 0.00      | 5000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5100.00                                                                       | 0.00       | 0.00      | 5100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5200.00                                                                       | 0.00       | 0.00      | 5200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5300.00                                                                       | 0.00       | 0.00      | 5300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5400.00                                                                       | 0.00       | 0.00      | 5400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5500.00                                                                       | 0.00       | 0.00      | 5500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5600.00                                                                       | 0.00       | 0.00      | 5600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5700.00                                                                       | 0.00       | 0.00      | 5700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5800.00                                                                       | 0.00       | 0.00      | 5800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 5900.00                                                                       | 0.00       | 0.00      | 5900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6000.00                                                                       | 0.00       | 0.00      | 6000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6100.00                                                                       | 0.00       | 0.00      | 6100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6200.00                                                                       | 0.00       | 0.00      | 6200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6300.00                                                                       | 0.00       | 0.00      | 6300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6400.00                                                                       | 0.00       | 0.00      | 6400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6500.00                                                                       | 0.00       | 0.00      | 6500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6600.00                                                                       | 0.00       | 0.00      | 6600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6700.00                                                                       | 0.00       | 0.00      | 6700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6800.00                                                                       | 0.00       | 0.00      | 6800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 6900.00                                                                       | 0.00       | 0.00      | 6900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7000.00                                                                       | 0.00       | 0.00      | 7000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7100.00                                                                       | 0.00       | 0.00      | 7100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7200.00                                                                       | 0.00       | 0.00      | 7200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7300.00                                                                       | 0.00       | 0.00      | 7300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7400.00                                                                       | 0.00       | 0.00      | 7400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7500.00                                                                       | 0.00       | 0.00      | 7500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7600.00                                                                       | 0.00       | 0.00      | 7600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7700.00                                                                       | 0.00       | 0.00      | 7700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7800.00                                                                       | 0.00       | 0.00      | 7800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 7900.00                                                                       | 0.00       | 0.00      | 7900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8000.00                                                                       | 0.00       | 0.00      | 8000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8100.00                                                                       | 0.00       | 0.00      | 8100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8200.00                                                                       | 0.00       | 0.00      | 8200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8300.00                                                                       | 0.00       | 0.00      | 8300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8400.00                                                                       | 0.00       | 0.00      | 8400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8500.00                                                                       | 0.00       | 0.00      | 8500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8600.00                                                                       | 0.00       | 0.00      | 8600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8700.00                                                                       | 0.00       | 0.00      | 8700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8800.00                                                                       | 0.00       | 0.00      | 8800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 8900.00                                                                       | 0.00       | 0.00      | 8900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9000.00                                                                       | 0.00       | 0.00      | 9000.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9100.00                                                                       | 0.00       | 0.00      | 9100.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9200.00                                                                       | 0.00       | 0.00      | 9200.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9300.00                                                                       | 0.00       | 0.00      | 9300.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9400.00                                                                       | 0.00       | 0.00      | 9400.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9500.00                                                                       | 0.00       | 0.00      | 9500.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9600.00                                                                       | 0.00       | 0.00      | 9600.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9700.00                                                                       | 0.00       | 0.00      | 9700.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9800.00                                                                       | 0.00       | 0.00      | 9800.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 9900.00                                                                       | 0.00       | 0.00      | 9900.00        | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10000.00                                                                      | 0.00       | 0.00      | 10000.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10100.00                                                                      | 0.00       | 0.00      | 10100.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10200.00                                                                      | 0.00       | 0.00      | 10200.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10300.00                                                                      | 0.00       | 0.00      | 10300.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10400.00                                                                      | 0.00       | 0.00      | 10400.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10500.00                                                                      | 0.00       | 0.00      | 10500.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10600.00                                                                      | 0.00       | 0.00      | 10600.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10700.00                                                                      | 0.00       | 0.00      | 10700.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |

## 5D Plan Report

| Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing ) |            |           |                |                     |                     |               |                         |                     |                    |               |         |
|-------------------------------------------------------------------------------|------------|-----------|----------------|---------------------|---------------------|---------------|-------------------------|---------------------|--------------------|---------------|---------|
| MD<br>(US ft)                                                                 | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | VS<br>(US ft) | DLS<br>(°/100 US<br>ft) | Northing<br>(US ft) | Easting<br>(US ft) | T.Face<br>(°) | Comment |
| 10800.00                                                                      | 0.00       | 0.00      | 10800.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 10900.00                                                                      | 0.00       | 0.00      | 10900.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 11000.00                                                                      | 0.00       | 0.00      | 11000.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 11100.00                                                                      | 0.00       | 0.00      | 11100.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 11200.00                                                                      | 0.00       | 0.00      | 11200.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 11300.00                                                                      | 0.00       | 0.00      | 11300.00       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          |         |
| 11397.04                                                                      | 0.00       | 0.00      | 11397.04       | 0.00                | 0.00                | -0.00         | 0.00                    | 440904.10           | 807020.00          | 0.00          | KOP     |
| 11400.00                                                                      | 0.30       | 177.05    | 11400.00       | -0.01               | 0.00                | 0.01          | 10.00                   | 440904.09           | 807020.00          | 177.05        |         |
| 11500.00                                                                      | 10.30      | 177.05    | 11499.45       | -9.21               | 0.48                | 9.23          | 10.00                   | 440894.89           | 807020.48          | 0.00          |         |
| 11600.00                                                                      | 20.30      | 177.05    | 11595.78       | -35.53              | 1.83                | 35.57         | 10.00                   | 440868.57           | 807021.83          | 0.00          |         |
| 11700.00                                                                      | 30.30      | 177.05    | 11686.08       | -78.14              | 4.03                | 78.25         | 10.00                   | 440825.96           | 807024.03          | 0.00          |         |
| 11800.00                                                                      | 40.30      | 177.05    | 11767.59       | -135.77             | 7.00                | 135.95        | 10.00                   | 440768.33           | 807027.00          | 0.00          |         |
| 11900.00                                                                      | 50.30      | 177.05    | 11837.85       | -206.67             | 10.66               | 206.94        | 10.00                   | 440697.43           | 807030.66          | 0.00          |         |
| 12000.00                                                                      | 60.30      | 177.05    | 11894.71       | -288.66             | 14.88               | 289.05        | 10.00                   | 440615.44           | 807034.88          | 0.00          |         |
| 12100.00                                                                      | 70.30      | 177.05    | 11936.45       | -379.27             | 19.56               | 379.78        | 10.00                   | 440524.83           | 807039.56          | 0.00          |         |
| 12200.00                                                                      | 80.30      | 177.05    | 11961.80       | -475.75             | 24.53               | 476.38        | 10.00                   | 440428.35           | 807044.53          | 0.00          |         |
| 12297.04                                                                      | 90.00      | 177.05    | 11970.00       | -572.20             | 29.51               | 572.96        | 10.00                   | 440331.90           | 807049.51          | 0.00          | LP      |
| 12300.00                                                                      | 90.00      | 177.05    | 11970.00       | -575.15             | 29.66               | 575.92        | 0.00                    | 440328.95           | 807049.66          | 0.00          |         |
| 12400.00                                                                      | 90.00      | 177.05    | 11970.00       | -675.02             | 34.81               | 675.92        | 0.00                    | 440229.08           | 807054.81          | 0.00          |         |
| 12500.00                                                                      | 90.00      | 177.05    | 11970.00       | -774.89             | 39.96               | 775.92        | 0.00                    | 440129.21           | 807059.96          | 0.00          |         |
| 12600.00                                                                      | 90.00      | 177.05    | 11970.00       | -874.75             | 45.11               | 875.92        | 0.00                    | 440029.35           | 807065.11          | 0.00          |         |
| 12700.00                                                                      | 90.00      | 177.05    | 11970.00       | -974.62             | 50.26               | 975.92        | 0.00                    | 439929.48           | 807070.26          | 0.00          |         |
| 12800.00                                                                      | 90.00      | 177.05    | 11970.00       | -1074.49            | 55.41               | 1075.92       | 0.00                    | 439829.61           | 807075.41          | 0.00          |         |
| 12900.00                                                                      | 90.00      | 177.05    | 11970.00       | -1174.36            | 60.56               | 1175.92       | 0.00                    | 439729.74           | 807080.56          | 0.00          |         |
| 13000.00                                                                      | 90.00      | 177.05    | 11970.00       | -1274.22            | 65.71               | 1275.92       | 0.00                    | 439629.88           | 807085.71          | 0.00          |         |
| 13100.00                                                                      | 90.00      | 177.05    | 11970.00       | -1374.09            | 70.86               | 1375.92       | 0.00                    | 439530.01           | 807090.86          | 0.00          |         |
| 13200.00                                                                      | 90.00      | 177.05    | 11970.00       | -1473.96            | 76.00               | 1475.92       | 0.00                    | 439430.14           | 807096.00          | 0.00          |         |
| 13300.00                                                                      | 90.00      | 177.05    | 11970.00       | -1573.83            | 81.15               | 1575.92       | 0.00                    | 439330.27           | 807101.15          | 0.00          |         |
| 13400.00                                                                      | 90.00      | 177.05    | 11970.00       | -1673.69            | 86.30               | 1675.92       | 0.00                    | 439230.41           | 807106.30          | 0.00          |         |
| 13500.00                                                                      | 90.00      | 177.05    | 11970.00       | -1773.56            | 91.45               | 1775.92       | 0.00                    | 439130.54           | 807111.45          | 0.00          |         |
| 13600.00                                                                      | 90.00      | 177.05    | 11970.00       | -1873.43            | 96.60               | 1875.92       | 0.00                    | 439030.67           | 807116.60          | 0.00          |         |
| 13700.00                                                                      | 90.00      | 177.05    | 11970.00       | -1973.29            | 101.75              | 1975.92       | 0.00                    | 438930.81           | 807121.75          | 0.00          |         |
| 13800.00                                                                      | 90.00      | 177.05    | 11970.00       | -2073.16            | 106.90              | 2075.92       | 0.00                    | 438830.94           | 807126.90          | 0.00          |         |
| 13900.00                                                                      | 90.00      | 177.05    | 11970.00       | -2173.03            | 112.05              | 2175.92       | 0.00                    | 438731.07           | 807132.05          | 0.00          |         |
| 14000.00                                                                      | 90.00      | 177.05    | 11970.00       | -2272.90            | 117.20              | 2275.92       | 0.00                    | 438631.20           | 807137.20          | 0.00          |         |
| 14100.00                                                                      | 90.00      | 177.05    | 11970.00       | -2372.76            | 122.35              | 2375.92       | 0.00                    | 438531.34           | 807142.35          | 0.00          |         |
| 14200.00                                                                      | 90.00      | 177.05    | 11970.00       | -2472.63            | 127.50              | 2475.92       | 0.00                    | 438431.47           | 807147.50          | 0.00          |         |
| 14300.00                                                                      | 90.00      | 177.05    | 11970.00       | -2572.50            | 132.65              | 2575.92       | 0.00                    | 438331.60           | 807152.65          | 0.00          |         |
| 14400.00                                                                      | 90.00      | 177.05    | 11970.00       | -2672.37            | 137.80              | 2675.92       | 0.00                    | 438231.73           | 807157.80          | 0.00          |         |
| 14500.00                                                                      | 90.00      | 177.05    | 11970.00       | -2772.23            | 142.95              | 2775.92       | 0.00                    | 438131.87           | 807162.95          | 0.00          |         |
| 14600.00                                                                      | 90.00      | 177.05    | 11970.00       | -2872.10            | 148.10              | 2875.92       | 0.00                    | 438032.00           | 807168.10          | 0.00          |         |
| 14700.00                                                                      | 90.00      | 177.05    | 11970.00       | -2971.97            | 153.25              | 2975.92       | 0.00                    | 437932.13           | 807173.25          | 0.00          |         |
| 14800.00                                                                      | 90.00      | 177.05    | 11970.00       | -3071.83            | 158.40              | 3075.92       | 0.00                    | 437832.27           | 807178.40          | 0.00          |         |
| 14900.00                                                                      | 90.00      | 177.05    | 11970.00       | -3171.70            | 163.55              | 3175.92       | 0.00                    | 437732.40           | 807183.55          | 0.00          |         |
| 15000.00                                                                      | 90.00      | 177.05    | 11970.00       | -3271.57            | 168.70              | 3275.92       | 0.00                    | 437632.53           | 807188.70          | 0.00          |         |
| 15100.00                                                                      | 90.00      | 177.05    | 11970.00       | -3371.44            | 173.85              | 3375.92       | 0.00                    | 437532.66           | 807193.85          | 0.00          |         |
| 15200.00                                                                      | 90.00      | 177.05    | 11970.00       | -3471.30            | 179.00              | 3475.92       | 0.00                    | 437432.80           | 807199.00          | 0.00          |         |
| 15300.00                                                                      | 90.00      | 177.05    | 11970.00       | -3571.17            | 184.15              | 3575.92       | 0.00                    | 437332.93           | 807204.15          | 0.00          |         |
| 15400.00                                                                      | 90.00      | 177.05    | 11970.00       | -3671.04            | 189.30              | 3675.92       | 0.00                    | 437233.06           | 807209.30          | 0.00          |         |
| 15500.00                                                                      | 90.00      | 177.05    | 11970.00       | -3770.91            | 194.45              | 3775.92       | 0.00                    | 437133.19           | 807214.45          | 0.00          |         |
| 15600.00                                                                      | 90.00      | 177.05    | 11970.00       | -3870.77            | 199.60              | 3875.92       | 0.00                    | 437033.33           | 807219.60          | 0.00          |         |
| 15700.00                                                                      | 90.00      | 177.05    | 11970.00       | -3970.64            | 204.75              | 3975.92       | 0.00                    | 436933.46           | 807224.75          | 0.00          |         |
| 15800.00                                                                      | 90.00      | 177.05    | 11970.00       | -4070.51            | 209.90              | 4075.92       | 0.00                    | 436833.59           | 807229.90          | 0.00          |         |
| 15900.00                                                                      | 90.00      | 177.05    | 11970.00       | -4170.38            | 215.05              | 4175.92       | 0.00                    | 436733.72           | 807235.05          | 0.00          |         |
| 16000.00                                                                      | 90.00      | 177.05    | 11970.00       | -4270.24            | 220.20              | 4275.92       | 0.00                    | 436633.86           | 807240.20          | 0.00          |         |
| 16100.00                                                                      | 90.00      | 177.05    | 11970.00       | -4370.11            | 225.35              | 4375.92       | 0.00                    | 436533.99           | 807245.35          | 0.00          |         |
| 16200.00                                                                      | 90.00      | 177.05    | 11970.00       | -4469.98            | 230.50              | 4475.92       | 0.00                    | 436434.12           | 807250.50          | 0.00          |         |
| 16275.82                                                                      | 90.00      | 177.05    | 11970.00       | -4545.70            | 234.40              | 4551.74       | 0.00                    | 436358.40           | 807254.40          | 0.00          | PBHL    |



**Weatherford**

## Weatherford Drilling Services

GeoDec4 v2.0.0.3

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Report Date: August 06, 2014  
Job Number: \_\_\_\_\_  
Customer: GMT Exploration  
Well Name: Napoleon Fed #1H  
API Number: \_\_\_\_\_  
Rig Name: \_\_\_\_\_  
Location: Lea Co, New Mexico (Nad 83 NME)  
Block: \_\_\_\_\_  
Engineer: Patrick Rudolph

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|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| NAD83 / New Mexico East (ftUS)          | NAD83 (1986)                            |
| Projected Coordinate System             | Geodetic Coordinate System              |
| Datum: North American Datum 1983 (1986) | Datum: North American Datum 1983 (1986) |
| Ellipsoid: GRS 1980                     | Ellipsoid: GRS 1980                     |
| EPSG: 2257                              | EPSG: 4269                              |
| North: 440904.1 US Survey Foot          | Latitude: 32.209204 Degree              |
| East: 807020.0 US Survey Foot           | Longitude: 103.474318 Degree            |
| Convergence: 0.46°                      |                                         |
| Declination: 7.24°                      |                                         |
| Total Correction: 6.78°                 |                                         |
| Datum Transformation: none              |                                         |

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Geodetic Location WGS84  
MSL Elevation = 0 m  
Latitude = 32° 12' 33.13" N  
Longitude = 103° 28' 27.54" W

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|                                 |                              |
|---------------------------------|------------------------------|
| Magnetic Declination = 7.24 deg | [True North Offset]          |
| Local Gravity = .9988 g         | Checksum = 6697              |
| Local Field Strength = 48276 nT | Magnetic Vector X = 23882 nT |
| Magnetic Dip = 60.09 deg        | Magnetic Vector Y = 3035 nT  |
| Magnetic Model = bggm2013.bgs   | Magnetic Vector Z = 41845 nT |
| Run Date = November 01, 2014    | Magnetic Vector H = 24074 nT |

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Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# PRODUCTION HOLE SECTION

Fill-up Line

MCVAY RIG #4

13 3/8" 5000# STACK

Drill the Producing Section (7 7/8" Hole)

TEST STACK WITH TEST  
PLUG TO 3000 psig  
TEST CASING TO  
1500 psig

ANNULAR PREVENTER

PIPE RAMS

BLIND RAMS

DRILLING  
SPOOL

2" Nominal

3" Nominal

REVERSE CIRCULATING  
AND  
KILL LINE

5000 PSI WORKING PRESSURE

Remotely Operated Choke

To Pit or Separator

Blowout Preventer  
Stack Outlet

2" Nominal

3" Nominal

Bleed Line to Pit

Choke  
Line

3" Nominal

HCR Valve

2"

To Pit

2" Nominal

Manual Adjustable Choke

5000 PSI WORKING PRESSURE

Location: Sec. 21 T24S R34E

Lea County, New Mexico

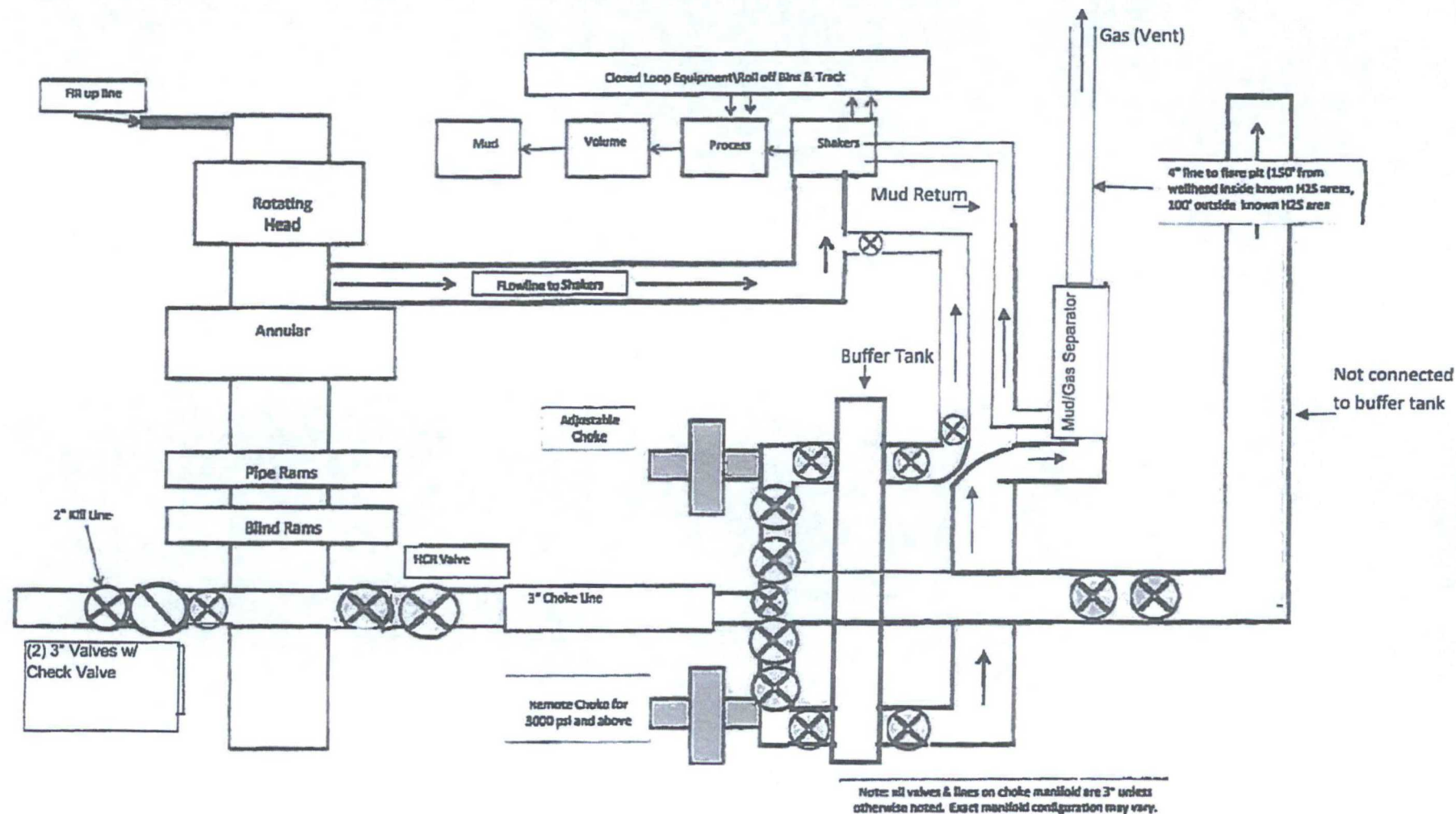
Napoleon Federal #1H

BLOWOUT PREVENTER AND CHOKE MANIFOLD

11/20/2014

Scale: None





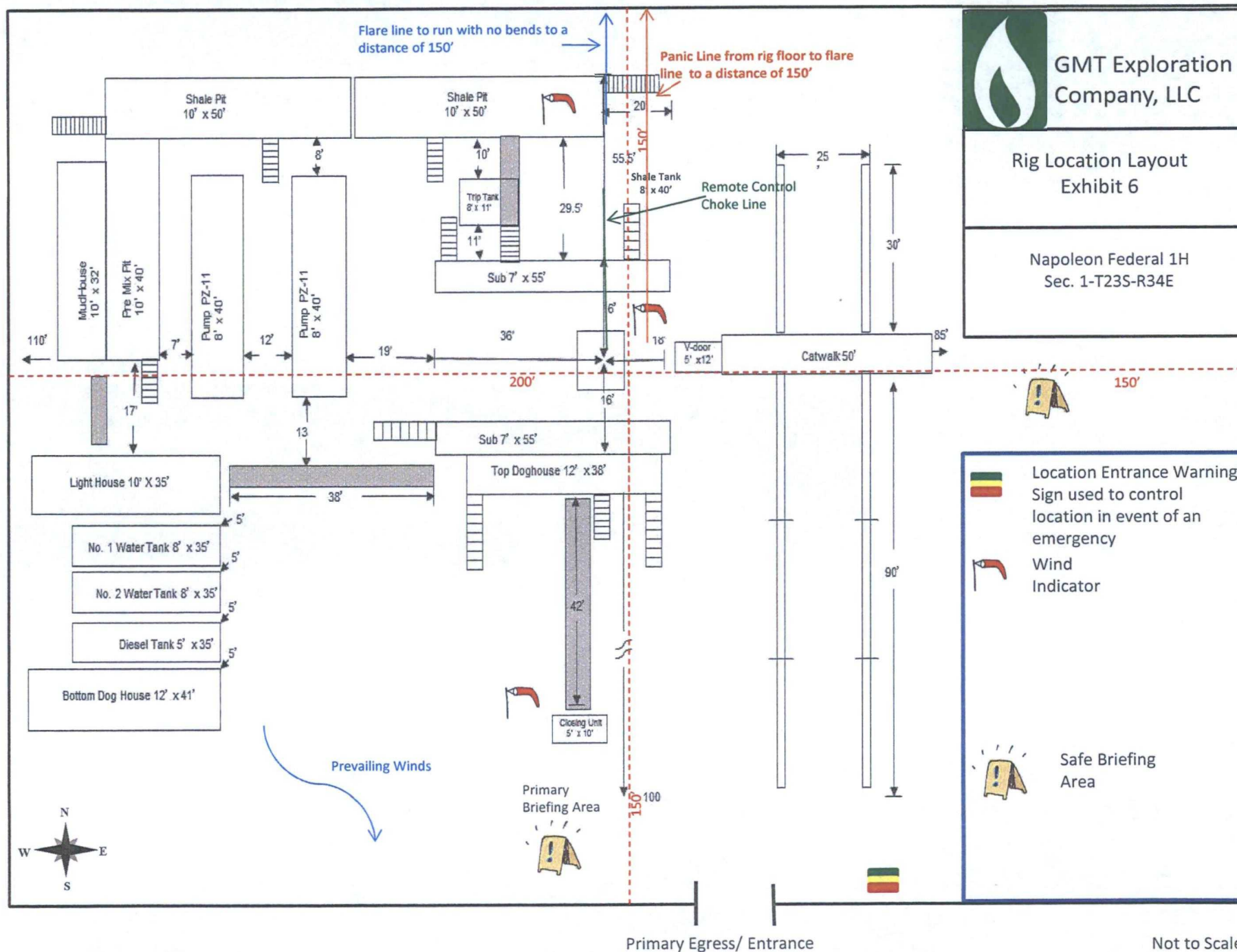
13 3/8" X 5-M BOPE (2 Rams and Rotating Head) & Closed Loop System Equipment Schematic Diagram 2

|                                                              |                                                                            |                    |            |
|--------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|------------|
| <b>Location:</b> Sec. 21 T24S R34E<br>Lea County, New Mexico | <b>Napoleon Federal #1H</b><br><b>BLOWOUT PREVENTER AND CHOKE MANIFOLD</b> | <b>Scale:</b> None | 11/20/2014 |
|--------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|------------|



Rig Location Layout  
Exhibit 6

Napoleon Federal 1H  
Sec. 1-T23S-R34E



Not to Scale





November 20, 2014

RE: BLM On Site Visit

To Whom It May Concern,

On June 12, 2014 Trisha Badbear of the BLM met GMT Exploration's representative Harvey Waller on location at the Napoleon Federal #1H, Lease NM126971, Sec 21 T24S R34E, Lea County, NM.

Sincerely,

Keith Kress  
VP Operations

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Keith Kress, Vice President Operations

kkress@gmtexploration.com

1560 Broadway, Suite 2000 Denver, CO 80202

Office: 720.946.3028 Direct: 303.586.9281 Fax: 720.946.3034