



Lea County, NM (NAD 83 NME)

Date 14 State Com #602H

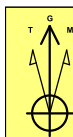
Plan #4

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

WELL DETAILS: #602H

KB= 25' @ 3811.0usft 3786.0  
Northing 536428.00 Easting 786265.00 Latitude 32° 28' 19.914 N Longitude 103° 32' 20.860 W



Azimuths to Grid North  
True North: -0.43°  
Magnetic North: 6.29°

Magnetic Field  
Strength: 47854.8nT  
Dip Angle: 60.26°  
Date: 9/13/2019  
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.29°  
To convert a Magnetic Direction to a True Direction, Add 6.71° East  
To convert a True Direction to a Grid Direction, Subtract 0.43°

#### SECTION DETAILS

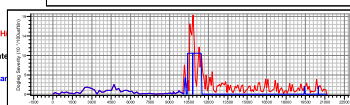
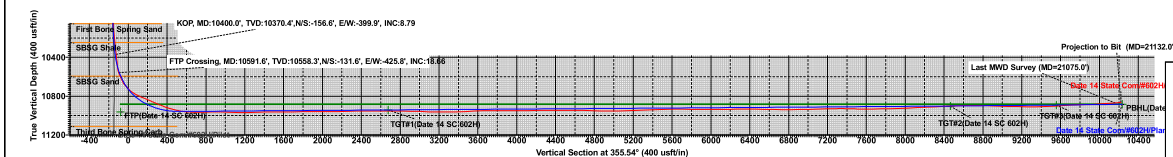
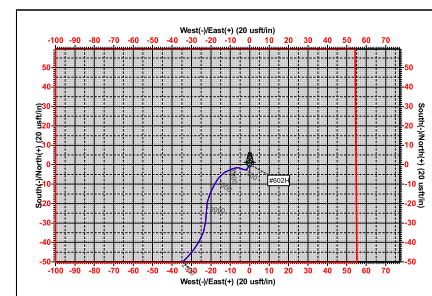
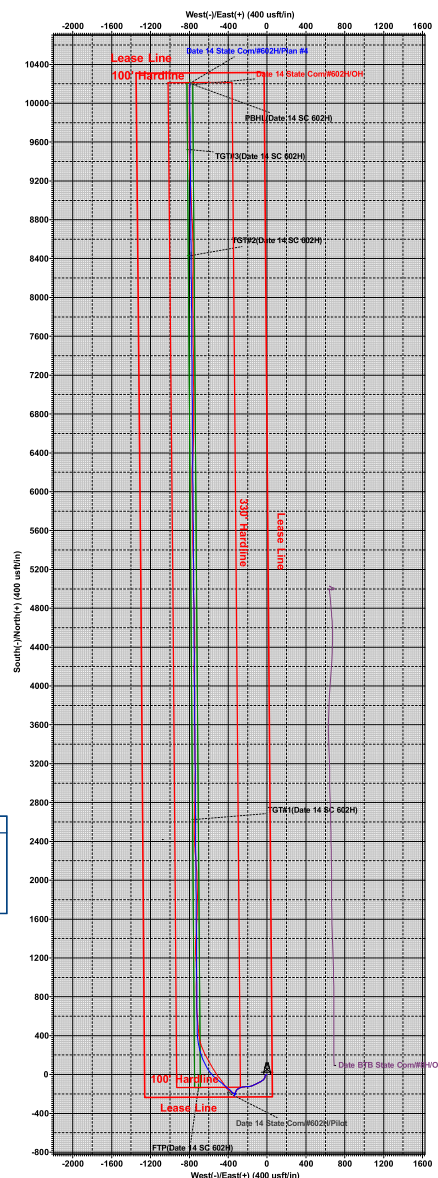
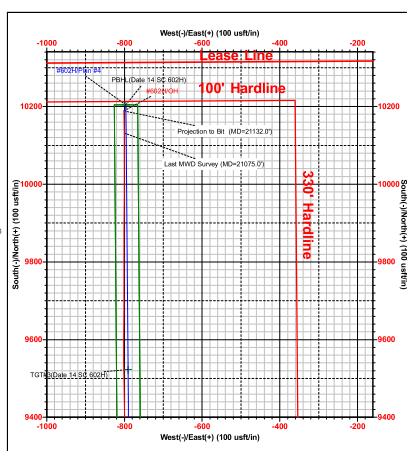
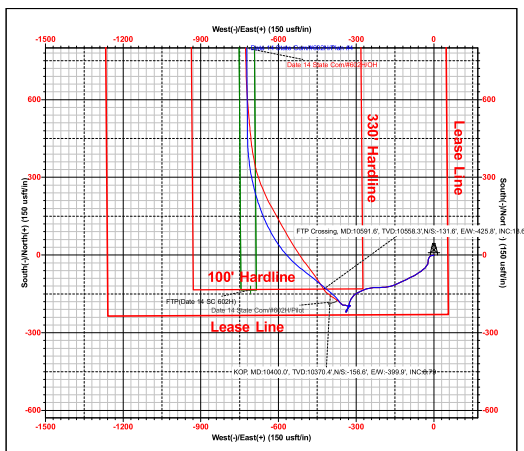
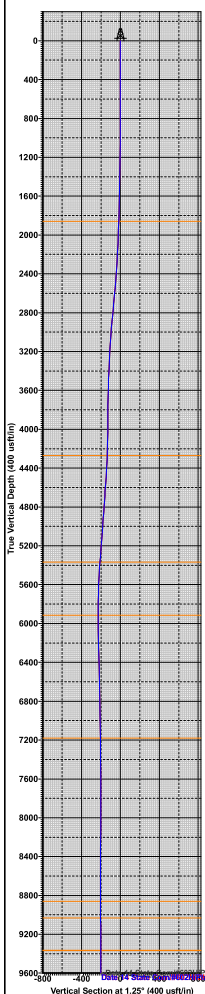
| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W  | Dleg  | TFace  | VSect   |
|-----|---------|-------|--------|---------|---------|--------|-------|--------|---------|
| 1   | 10020.0 | 1.76  | 320.67 | 9993.9  | -186.5  | -359.5 | 0.00  | 0.00   | -158.0  |
| 2   | 10106.1 | 1.80  | 321.00 | 10080.0 | -184.5  | -361.2 | 0.05  | 14.54  | -155.8  |
| 3   | 10211.1 | 6.00  | 321.00 | 10184.7 | -178.9  | -365.7 | 4.00  | 0.00   | -149.9  |
| 4   | 10379.1 | 6.00  | 321.00 | 10351.8 | -165.3  | -376.7 | 0.00  | 0.00   | -135.5  |
| 5   | 10780.6 | 45.97 | 307.86 | 10705.5 | -55.9   | -509.3 | 10.00 | -14.68 | -16.1   |
| 6   | 10789.2 | 45.97 | 307.86 | 10711.5 | -52.1   | -514.2 | 0.00  | 0.00   | -11.9   |
| 7   | 11427.6 | 90.40 | 359.55 | 10957.1 | 462.3   | -719.6 | 10.00 | 60.95  | 516.9   |
| 8   | 13592.6 | 90.40 | 359.55 | 10942.0 | 2627.2  | -736.6 | 0.00  | 0.00   | 2676.5  |
| 9   | 13679.5 | 90.39 | 359.55 | 10941.4 | 2714.1  | -737.3 | 0.01  | 178.98 | 2763.2  |
| 10  | 19396.1 | 90.39 | 359.55 | 10902.0 | 8430.4  | -782.2 | 0.00  | 0.00   | 8465.7  |
| 11  | 19402.6 | 90.52 | 359.55 | 10901.9 | 8436.9  | -782.3 | 2.00  | -0.04  | 8472.2  |
| 12  | 20488.6 | 90.52 | 359.55 | 10892.0 | 9522.8  | -790.8 | 0.00  | 0.00   | 9555.5  |
| 13  | 20496.0 | 90.67 | 359.55 | 10891.9 | 9530.2  | -790.8 | 2.00  | -0.20  | 9562.9  |
| 14  | 21170.3 | 90.67 | 359.55 | 10884.0 | 10204.4 | -796.2 | 0.00  | 0.00   | 10235.5 |

#### CASING DETAILS

No casing data is available

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                    | TVD     | +N/-S   | +E/-W  | Northing  | Easting   |
|-------------------------|---------|---------|--------|-----------|-----------|
| PHH (Date 14 SC 602H)   | 10884.0 | 10204.4 | -796.2 | 546632.44 | 785468.85 |
| TGT#0 (Date 14 SC 602H) | 10892.0 | 9522.8  | -790.8 | 545950.80 | 785474.21 |
| TGT#2 (Date 14 SC 602H) | 10902.0 | 8430.4  | -782.2 | 544858.40 | 785482.79 |
| TGT#1 (Date 14 SC 602H) | 10942.0 | 2627.2  | -736.6 | 539055.20 | 785528.36 |
| FTP (Date 14 SC 602H)   | 10962.0 | -134.0  | -708.0 | 536294.00 | 785557.00 |



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