



PO Box 1370  
Artesia, NM 88211-1370  
(575) 748-1288

August 11, 2016

30-015-43421

Burnett Oil Co., Inc.  
801 Cherry Street, Unit 9  
Fort Worth, TX 76102-6881

RE: Nosler 12 Fed EG 6H  
1800' FNL & 300' FEL  
Sec: 11, T17S, R31E  
Eddy County, New Mexico

Dear Sir,

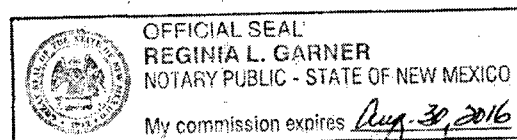
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham  
Drilling Superintendent

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 11<sup>th</sup> day of August, 2016.

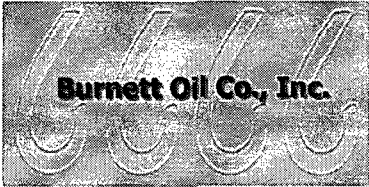
  
\_\_\_\_\_  
Notary Public

Nosler 12 Fed EG 6H

| Date      | Depth | Deviation | Direction | TVD     |
|-----------|-------|-----------|-----------|---------|
| 7/26/2016 | 148   | 0.10      | 257.10    |         |
| 7/26/2016 | 302   | 0.80      | 95.10     |         |
| 7/26/2016 | 450   | 0.10      | 295.00    | 500.00  |
| 7/26/2016 | 523   | 0.70      | 246.00    | 593.00  |
| 7/26/2016 | 676   | 0.80      | 247.00    | 746.00  |
| 7/28/2016 | 895   | 0.90      | 270.90    | 951.00  |
| 7/28/2016 | 990   | 0.70      | 269.20    | 1046.00 |
| 7/28/2016 | 1084  | 0.90      | 262.70    |         |
| 7/29/2016 | 1178  | 0.60      | 268.90    |         |
| 7/29/2016 | 1273  | 0.40      | 3.50      |         |
| 7/29/2016 | 1367  | 0.40      | 337.00    |         |
| 7/29/2016 | 1461  | 0.50      | 350.80    |         |
| 7/29/2016 | 1556  | 0.80      | 358.00    |         |
| 7/29/2016 | 1651  | 0.70      | 359.00    |         |
| 7/29/2016 | 1840  | 0.80      | 11.60     |         |
| 7/29/2016 | 1934  | 0.90      | 4.50      |         |
| 7/30/2016 | 2079  | 0.70      | 353.10    |         |
| 7/31/2016 | 2174  | 0.70      | 353.80    |         |
| 7/31/2016 | 2269  | 0.40      | 328.50    |         |
| 7/31/2016 | 2363  | 0.40      | 330.90    |         |
| 7/31/2016 | 2457  | 1.10      | 112.60    |         |
| 7/31/2016 | 2552  | 1.20      | 110.90    |         |
| 7/31/2016 | 2647  | 1.10      | 111.60    |         |
| 7/31/2016 | 2741  | 1.10      | 117.50    |         |
| 7/31/2016 | 2835  | 0.70      | 112.60    |         |
| 7/31/2016 | 2929  | 0.50      | 120.30    |         |
| 7/31/2016 | 3024  | 0.50      | 116.80    |         |
| 7/31/2016 | 3118  | 0.50      | 147.80    |         |
| 7/31/2016 | 3213  | 0.40      | 186.80    |         |
| 7/31/2016 | 3306  | 0.20      | 191.40    |         |
| 7/31/2016 | 3400  | 0.20      | 218.40    | 3399.00 |
| 7/31/2016 | 3494  | 0.50      | 316.20    | 3493.00 |
| 7/31/2016 | 3589  | 0.50      | 236.40    | 3588.00 |
| 7/31/2016 | 3682  | 0.50      | 236.70    |         |
| 7/31/2016 | 3776  | 0.70      | 236.00    |         |
| 7/31/2016 | 3870  | 0.70      | 238.50    |         |
| 8/1/2016  | 3965  | 0.90      | 246.20    |         |
| 8/1/2016  | 4059  | 0.70      | 245.50    |         |
| 8/1/2016  | 4154  | 0.70      | 253.20    |         |
| 8/1/2016  | 4249  | 0.70      | 246.90    |         |
| 8/1/2016  | 4343  | 0.70      | 255.00    |         |
| 8/2/2016  | 4437  | 0.50      | 567.00    |         |

| Date     | Depth | Deviation | Direction | TVD     |
|----------|-------|-----------|-----------|---------|
| 8/2/2016 | 4532  | 0.50      | 50.00     |         |
| 8/2/2016 | 4624  | 0.50      | 56.70     |         |
| 8/2/2016 | 4716  | 0.50      | 74.60     |         |
| 8/2/2016 | 4809  | 0.70      | 75.70     |         |
| 8/2/2016 | 4901  | 10.40     | 134.10    | 4900.00 |
| 8/2/2016 | 4993  | 21.10     | 133.40    | 4988.00 |
| 8/2/2016 | 5085  | 30.60     | 136.50    | 5070.00 |
| 8/2/2016 | 5177  | 34.50     | 142.50    | 5147.00 |
| 8/2/2016 | 5269  | 44.30     | 141.10    | 5219.00 |
| 8/2/2016 | 5362  | 53.10     | 140.70    | 5280.00 |
| 8/3/2016 | 5455  | 58.80     | 135.80    |         |
| 8/3/2016 | 5547  | 63.50     | 127.00    |         |
| 8/3/2016 | 5639  | 69.10     | 115.40    |         |
| 8/3/2016 | 5731  | 77.10     | 107.00    | 5439.00 |
| 8/3/2016 | 5824  | 82.90     | 99.60     | 5455.00 |
| 8/3/2016 | 5917  | 88.90     | 94.30     |         |
| 8/3/2016 | 6042  | 92.20     | 90.80     |         |
| 8/3/2016 | 6136  | 91.10     | 90.50     |         |
| 8/4/2016 | 6230  | 89.60     | 90.50     |         |
| 8/4/2016 | 6292  | 90.10     | 90.50     |         |
| 8/4/2016 | 6387  | 89.00     | 90.10     |         |
| 8/4/2016 | 6481  | 89.70     | 90.10     |         |
| 8/4/2016 | 6554  | 91.50     | 90.50     | 5452.00 |
| 8/4/2016 | 6575  | 90.40     | 90.10     |         |
| 8/4/2016 | 6670  | 91.10     | 90.50     | 5459.00 |
| 8/4/2016 | 6765  | 91.80     | 90.50     | 5456.00 |
| 8/4/2016 | 6860  | 90.80     | 90.50     | 5454.00 |
| 8/4/2016 | 7048  | 90.40     | 91.20     | 5451.00 |
| 8/4/2016 | 7142  | 89.90     | 91.50     | 5450.00 |
| 8/4/2016 | 7236  | 89.00     | 91.20     | 5451.00 |
| 8/4/2016 | 7331  | 90.10     | 91.20     | 5452.00 |
| 8/4/2016 | 7426  | 91.00     | 91.50     | 5457.00 |
| 8/5/2016 | 7521  | 89.70     | 91.20     |         |
| 8/5/2016 | 7616  | 90.60     | 91.20     |         |
| 8/5/2016 | 7710  | 91.30     | 90.80     |         |
| 8/5/2016 | 7805  | 90.60     | 90.80     |         |
| 8/5/2016 | 7900  | 91.70     | 90.80     | 5445.00 |
| 8/5/2016 | 7995  | 90.30     | 91.20     | 5444.00 |
| 8/5/2016 | 8089  | 90.60     | 91.50     | 5443.00 |
| 8/5/2016 | 8184  | 89.20     | 90.80     | 5443.61 |
| 8/5/2016 | 8278  | 90.10     | 91.20     | 5444.19 |
| 8/5/2016 | 8373  | 91.00     | 91.20     | 5443.27 |
| 8/5/2016 | 8468  | 89.70     | 91.20     | 5442.69 |
| 8/6/2016 | 8562  | 90.60     | 92.60     | 5442.44 |
| 8/6/2016 | 8656  | 91.80     | 92.60     | 5440.48 |

| Date     | Depth | Deviation | Direction | TVD     |
|----------|-------|-----------|-----------|---------|
| 8/7/2016 | 8750  | 90.40     | 90.50     | 5438.00 |
| 8/7/2016 | 8845  | 90.10     | 89.70     | 5438.00 |
| 8/7/2016 | 8939  | 91.10     | 89.80     | 5437.00 |
| 8/7/2016 | 9034  | 90.40     | 89.40     | 5436.00 |
| 8/7/2016 | 9155  | 91.80     | 89.80     | 5433.00 |



**Burnett Oil Co., Inc.**

# **Burnett Oil Company, INC**

**Eddy County, NM**

**Nosler 12 Fed**

**EG #6H**

**OH**

**Design: Final Surveys**

## **Standard Survey Report**

**08 August, 2016**



# Integrity Directional Services, LLC

## Survey Report



|                  |                          |                                     |                              |
|------------------|--------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Burnett Oil Company, INC | <b>Local Co-ordinate Reference:</b> | Well EG #6H                  |
| <b>Project:</b>  | Eddy County, NM          | <b>TVD Reference:</b>               | WELL @ 3984.5usft (17.5' KB) |
| <b>Site:</b>     | Nosler 12 Fed            | <b>MD Reference:</b>                | WELL @ 3984.5usft (17.5' KB) |
| <b>Well:</b>     | EG #6H                   | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | OH                       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Final Surveys            | <b>Database:</b>                    | EDM 5000.1 Multi User Db     |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, NM                      |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                              |               |                          |                   |
|------------------------------|---------------|--------------------------|-------------------|
| <b>Site</b>                  | Nosler 12 Fed |                          |                   |
| <b>Site Position:</b>        |               | <b>Northing:</b>         | 673,802.22 usft   |
| <b>From:</b>                 | Lat/Long      | <b>Easting:</b>          | 653,901.60 usft   |
| <b>Position Uncertainty:</b> | 2.0 usft      | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |               | <b>Latitude:</b>         | 32° 51' 4.907 N   |
|                              |               | <b>Longitude:</b>        | 103° 49' 55.866 W |
|                              |               | <b>Grid Convergence:</b> | 0.27 °            |

|                             |              |                            |                                  |
|-----------------------------|--------------|----------------------------|----------------------------------|
| <b>Well</b>                 | EG #6H       |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.0 usft                   | <b>Northing:</b> 673,802.22 usft |
|                             | <b>+E/-W</b> | 0.0 usft                   | <b>Easting:</b> 653,901.60 usft  |
| <b>Position Uncertainty</b> | 0.0 usft     | <b>Wellhead Elevation:</b> | usft                             |
|                             |              | <b>Latitude:</b>           | 32° 51' 4.907 N                  |
|                             |              | <b>Longitude:</b>          | 103° 49' 55.866 W                |
|                             |              | <b>Ground Level:</b>       | 3,967.0 usft                     |

|                  |                   |                    |                       |
|------------------|-------------------|--------------------|-----------------------|
| <b>Wellbore</b>  | OH                |                    |                       |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b>    |
|                  |                   |                    | (°)                   |
|                  | IGRF2015          | 10/19/2015         | 7.30                  |
|                  |                   |                    | <b>Dip Angle</b>      |
|                  |                   |                    | (°)                   |
|                  |                   |                    | 60.62                 |
|                  |                   |                    | <b>Field Strength</b> |
|                  |                   |                    | (nT)                  |
|                  |                   |                    | 48,451                |

|                     |               |                      |        |
|---------------------|---------------|----------------------|--------|
| <b>Design</b>       | Final Surveys |                      |        |
| <b>Audit Notes:</b> |               |                      |        |
| <b>Version:</b>     | 1.0           | <b>Phase:</b>        | ACTUAL |
|                     |               | <b>Tie On Depth:</b> | 0.0    |

|                          |                         |              |              |                  |
|--------------------------|-------------------------|--------------|--------------|------------------|
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Direction</b> |
|                          | (usft)                  | (usft)       | (usft)       | (°)              |
|                          | 0.0                     | 0.0          | 0.0          | 96.74            |

|                       |               |                          |                        |
|-----------------------|---------------|--------------------------|------------------------|
| <b>Survey Program</b> | Date 8/8/2016 |                          |                        |
| <b>From</b>           | <b>To</b>     | <b>Survey (Wellbore)</b> | <b>Tool Name</b>       |
| (usft)                | (usft)        |                          |                        |
| 110.0                 | 738.0         | Teledrift Gyros (OH)     | VES GyroFlex V2 201112 |
| 895.0                 | 9,224.0       | IDS MWD Surveys (OH)     | MWD                    |
|                       |               |                          | MWD - Standard         |

|                             |                    |                |                 |              |              |                 |               |              |             |  |
|-----------------------------|--------------------|----------------|-----------------|--------------|--------------|-----------------|---------------|--------------|-------------|--|
| <b>Survey</b>               |                    |                |                 |              |              |                 |               |              |             |  |
| <b>Measured</b>             | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Vertical</b> | <b>Dogleg</b> | <b>Build</b> | <b>Turn</b> |  |
| <b>Depth</b>                | (°)                | (°)            | <b>Depth</b>    | (usft)       | (usft)       | <b>Section</b>  | <b>Rate</b>   | <b>Rate</b>  | <b>Rate</b> |  |
| (usft)                      |                    |                | (usft)          |              |              | (usft)          | (°/100usft)   | (°/100usft)  | (°/100usft) |  |
| 0.0                         | 0.00               | 0.00           | 0.0             | 0.0          | 0.0          | 0.0             | 0.00          | 0.00         | 0.00        |  |
| 110.0                       | 0.10               | 257.10         | 110.0           | 0.0          | -0.1         | -0.1            | 0.09          | 0.09         | 0.00        |  |
| 264.0                       | 0.80               | 95.10          | 264.0           | -0.1         | 0.8          | 0.9             | 0.58          | 0.45         | -105.19     |  |
| 412.0                       | 0.10               | 295.10         | 412.0           | -0.2         | 1.8          | 1.8             | 0.60          | -0.47        | -108.11     |  |
| 485.0                       | 0.70               | 246.10         | 485.0           | -0.3         | 1.3          | 1.3             | 0.88          | 0.82         | -67.12      |  |
| 638.0                       | 0.80               | 247.10         | 638.0           | -1.1         | -0.5         | -0.4            | 0.07          | 0.07         | 0.65        |  |
| 738.0                       | 0.90               | 275.00         | 738.0           | -1.3         | -2.0         | -1.8            | 0.42          | 0.10         | 27.90       |  |
| 895.0                       | 0.90               | 270.90         | 894.9           | -1.2         | -4.4         | -4.3            | 0.04          | 0.00         | -2.61       |  |
| <b>First IDS MWD Survey</b> |                    |                |                 |              |              |                 |               |              |             |  |
| 990.0                       | 0.70               | 269.20         | 989.9           | -1.2         | -5.8         | -5.6            | 0.21          | -0.21        | -1.79       |  |

# Integrity Directional Services, LLC

## Survey Report



|                  |                          |                                     |                              |
|------------------|--------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Burnett Oil Company, INC | <b>Local Co-ordinate Reference:</b> | Well EG #6H                  |
| <b>Project:</b>  | Eddy County, NM          | <b>TVD Reference:</b>               | WELL @ 3984.5usft (17.5' KB) |
| <b>Site:</b>     | Nosler 12 Fed            | <b>MD Reference:</b>                | WELL @ 3984.5usft (17.5' KB) |
| <b>Well:</b>     | EG #6H                   | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | OH                       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Final Surveys            | <b>Database:</b>                    | EDM 5000.1 Multi User Db     |

| Survey                |                 |             |                       |             |             |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N-S (usft) | +E-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 1,084.0               | 0.90            | 262.70      | 1,083.9               | -1.3        | -7.1        | -6.9                    | 0.23                    | 0.21                   | -6.91                 |
| 1,178.0               | 0.60            | 268.90      | 1,177.9               | -1.4        | -8.3        | -8.1                    | 0.33                    | -0.32                  | 6.60                  |
| 1,273.0               | 0.40            | 3.50        | 1,272.9               | -1.1        | -8.8        | -8.6                    | 0.79                    | -0.21                  | 99.58                 |
| 1,367.0               | 0.40            | 337.40      | 1,366.9               | -0.5        | -8.9        | -8.8                    | 0.19                    | 0.00                   | -27.77                |
| 1,461.0               | 0.50            | 350.80      | 1,460.9               | 0.2         | -9.1        | -9.0                    | 0.15                    | 0.11                   | 14.26                 |
| 1,556.0               | 0.80            | 358.40      | 1,555.9               | 1.3         | -9.1        | -9.2                    | 0.33                    | 0.32                   | 8.00                  |
| 1,651.0               | 0.70            | 359.40      | 1,650.9               | 2.6         | -9.2        | -9.4                    | 0.11                    | -0.11                  | 1.05                  |
| 1,745.0               | 0.90            | 8.40        | 1,744.9               | 3.9         | -9.1        | -9.5                    | 0.25                    | 0.21                   | 9.57                  |
| 1,840.0               | 0.80            | 11.60       | 1,839.9               | 5.3         | -8.8        | -9.4                    | 0.12                    | -0.11                  | 3.37                  |
| 1,934.0               | 0.90            | 4.50        | 1,933.9               | 6.6         | -8.6        | -9.4                    | 0.15                    | 0.11                   | -7.55                 |
| 1,966.0               | 0.90            | 4.20        | 1,965.9               | 7.1         | -8.6        | -9.4                    | 0.01                    | 0.00                   | -0.94                 |
| 2,079.0               | 0.70            | 353.10      | 2,078.9               | 8.7         | -8.6        | -9.6                    | 0.22                    | -0.18                  | -9.82                 |
| 2,174.0               | 0.70            | 353.80      | 2,173.8               | 9.9         | -8.8        | -9.8                    | 0.01                    | 0.00                   | 0.74                  |
| 2,269.0               | 0.40            | 328.50      | 2,268.8               | 10.7        | -9.0        | -10.2                   | 0.40                    | -0.32                  | -26.63                |
| 2,363.0               | 0.40            | 330.90      | 2,362.8               | 11.3        | -9.3        | -10.6                   | 0.02                    | 0.00                   | 2.55                  |
| 2,457.0               | 1.10            | 112.60      | 2,456.8               | 11.2        | -8.6        | -9.9                    | 1.53                    | 0.74                   | 150.74                |
| 2,552.0               | 1.20            | 110.90      | 2,551.8               | 10.5        | -6.9        | -8.1                    | 0.11                    | 0.11                   | -1.79                 |
| 2,647.0               | 1.10            | 111.60      | 2,646.8               | 9.8         | -5.1        | -6.2                    | 0.11                    | -0.11                  | 0.74                  |
| 2,741.0               | 1.10            | 117.50      | 2,740.8               | 9.1         | -3.5        | -4.5                    | 0.12                    | 0.00                   | 6.28                  |
| 2,835.0               | 0.70            | 112.60      | 2,834.8               | 8.4         | -2.1        | -3.1                    | 0.43                    | -0.43                  | -5.21                 |
| 2,929.0               | 0.50            | 120.30      | 2,928.8               | 8.0         | -1.2        | -2.2                    | 0.23                    | -0.21                  | 8.19                  |
| 3,024.0               | 0.50            | 116.80      | 3,023.8               | 7.6         | -0.5        | -1.4                    | 0.03                    | 0.00                   | -3.68                 |
| 3,118.0               | 0.50            | 147.80      | 3,117.8               | 7.1         | 0.1         | -0.8                    | 0.28                    | 0.00                   | 32.98                 |
| 3,213.0               | 0.40            | 186.80      | 3,212.8               | 6.4         | 0.3         | -0.5                    | 0.33                    | -0.11                  | 41.05                 |
| 3,306.0               | 0.20            | 191.40      | 3,305.8               | 5.9         | 0.2         | -0.5                    | 0.22                    | -0.22                  | 4.95                  |
| 3,400.0               | 0.20            | 218.40      | 3,399.7               | 5.6         | 0.0         | -0.6                    | 0.10                    | 0.00                   | 28.72                 |
| 3,494.0               | 0.50            | 218.10      | 3,493.7               | 5.2         | -0.3        | -0.9                    | 0.32                    | 0.32                   | -0.32                 |
| 3,589.0               | 0.50            | 236.40      | 3,588.7               | 4.6         | -0.9        | -1.4                    | 0.17                    | 0.00                   | 19.26                 |
| 3,682.0               | 0.50            | 236.70      | 3,681.7               | 4.2         | -1.6        | -2.1                    | 0.00                    | 0.00                   | 0.32                  |
| 3,776.0               | 0.70            | 236.00      | 3,775.7               | 3.6         | -2.4        | -2.8                    | 0.21                    | 0.21                   | -0.74                 |
| 3,870.0               | 0.70            | 238.50      | 3,869.7               | 3.0         | -3.4        | -3.7                    | 0.03                    | 0.00                   | 2.66                  |
| 3,965.0               | 0.90            | 246.20      | 3,964.7               | 2.4         | -4.5        | -4.8                    | 0.24                    | 0.21                   | 8.11                  |
| 4,059.0               | 0.70            | 245.50      | 4,058.7               | 1.9         | -5.7        | -5.9                    | 0.21                    | -0.21                  | -0.74                 |
| 4,154.0               | 0.70            | 253.20      | 4,153.7               | 1.5         | -6.8        | -7.0                    | 0.10                    | 0.00                   | 8.11                  |
| 4,249.0               | 0.70            | 246.90      | 4,248.7               | 1.1         | -7.9        | -8.0                    | 0.08                    | 0.00                   | -6.63                 |
| 4,343.0               | 0.70            | 255.00      | 4,342.7               | 0.7         | -9.0        | -9.0                    | 0.11                    | 0.00                   | 8.62                  |
| 4,437.0               | 0.50            | 56.70       | 4,436.7               | 0.8         | -9.2        | -9.2                    | 1.26                    | -0.21                  | 172.02                |
| 4,532.0               | 0.50            | 50.00       | 4,531.7               | 1.3         | -8.5        | -8.6                    | 0.06                    | 0.00                   | -7.05                 |
| 4,624.0               | 0.50            | 56.70       | 4,623.7               | 1.7         | -7.9        | -8.1                    | 0.06                    | 0.00                   | 7.28                  |
| 4,716.0               | 0.50            | 74.60       | 4,715.7               | 2.1         | -7.2        | -7.4                    | 0.17                    | 0.00                   | 19.46                 |
| 4,809.0               | 0.70            | 75.70       | 4,808.7               | 2.3         | -6.2        | -6.5                    | 0.22                    | 0.22                   | 1.18                  |
| 4,839.0               | 0.70            | 63.00       | 4,838.7               | 2.5         | -5.9        | -6.1                    | 0.52                    | 0.00                   | -42.33                |
| 4,870.0               | 6.30            | 136.20      | 4,869.6               | 1.3         | -4.6        | -4.7                    | 19.79                   | 18.06                  | 236.13                |

# Integrity Directional Services, LLC

## Survey Report



|                  |                          |                                     |                              |
|------------------|--------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Burnett Oil Company, INC | <b>Local Co-ordinate Reference:</b> | Well EG #6H                  |
| <b>Project:</b>  | Eddy County, NM          | <b>TVD Reference:</b>               | WELL @ 3984.5usft (17.5' KB) |
| <b>Site:</b>     | Nosler 12 Fed            | <b>MD Reference:</b>                | WELL @ 3984.5usft (17.5' KB) |
| <b>Well:</b>     | EG #6H                   | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | OH                       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Final Surveys            | <b>Database:</b>                    | EDM 5000.1 Multi User Db     |

### Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 4,901.0               | 10.40           | 134.10      | 4,900.3               | -1.9         | -1.4         | -1.1                    | 13.26                   | 13.23                  | -6.77                 |
| 4,931.0               | 14.60           | 132.30      | 4,929.6               | -6.3         | 3.4          | 4.1                     | 14.06                   | 14.00                  | -6.00                 |
| 4,962.0               | 18.30           | 131.60      | 4,959.3               | -12.2        | 9.9          | 11.3                    | 11.95                   | 11.94                  | -2.26                 |
| 4,993.0               | 21.10           | 133.40      | 4,988.5               | -19.2        | 17.6         | 19.7                    | 9.24                    | 9.03                   | 5.81                  |
| 5,023.0               | 24.50           | 135.50      | 5,016.1               | -27.4        | 25.9         | 28.9                    | 11.65                   | 11.33                  | 7.00                  |
| 5,054.0               | 28.70           | 135.50      | 5,043.8               | -37.3        | 35.6         | 39.7                    | 13.55                   | 13.55                  | 0.00                  |
| 5,085.0               | 30.60           | 136.50      | 5,070.8               | -48.3        | 46.3         | 51.6                    | 6.33                    | 6.13                   | 3.23                  |
| 5,116.0               | 33.10           | 138.30      | 5,097.1               | -60.4        | 57.3         | 64.0                    | 8.63                    | 8.06                   | 5.81                  |
| 5,146.0               | 34.10           | 139.00      | 5,122.1               | -72.8        | 68.3         | 76.4                    | 3.57                    | 3.33                   | 2.33                  |
| 5,177.0               | 34.50           | 142.10      | 5,147.7               | -86.3        | 79.4         | 89.0                    | 5.78                    | 1.29                   | 10.00                 |
| 5,208.0               | 36.40           | 142.80      | 5,172.9               | -100.6       | 90.3         | 101.5                   | 6.27                    | 6.13                   | 2.26                  |
| 5,238.0               | 40.30           | 141.80      | 5,196.5               | -115.3       | 101.7        | 114.6                   | 13.16                   | 13.00                  | -3.33                 |
| 5,269.0               | 44.30           | 141.10      | 5,219.4               | -131.6       | 114.7        | 129.4                   | 12.99                   | 12.90                  | -2.26                 |
| 5,300.0               | 47.20           | 140.70      | 5,241.0               | -148.8       | 128.7        | 145.3                   | 9.40                    | 9.35                   | -1.29                 |
| 5,331.0               | 50.00           | 140.70      | 5,261.5               | -166.8       | 143.5        | 162.1                   | 9.03                    | 9.03                   | 0.00                  |
| 5,362.0               | 53.10           | 140.70      | 5,280.8               | -185.6       | 158.8        | 179.5                   | 10.00                   | 10.00                  | 0.00                  |
| 5,393.0               | 56.30           | 140.00      | 5,298.7               | -205.1       | 175.0        | 197.8                   | 10.49                   | 10.32                  | -2.26                 |
| 5,424.0               | 57.40           | 140.00      | 5,315.7               | -225.0       | 191.7        | 216.7                   | 3.55                    | 3.55                   | 0.00                  |
| 5,455.0               | 58.80           | 135.80      | 5,332.0               | -244.5       | 209.3        | 236.6                   | 12.36                   | 4.52                   | -13.55                |
| 5,486.0               | 60.70           | 133.40      | 5,347.7               | -263.3       | 228.4        | 257.7                   | 9.07                    | 6.13                   | -7.74                 |
| 5,516.0               | 62.10           | 131.20      | 5,362.0               | -281.0       | 247.9        | 279.1                   | 7.95                    | 4.67                   | -7.33                 |
| 5,547.0               | 63.50           | 127.00      | 5,376.2               | -298.4       | 269.3        | 302.4                   | 12.87                   | 4.52                   | -13.55                |
| 5,577.0               | 65.80           | 123.50      | 5,389.0               | -314.0       | 291.4        | 326.2                   | 13.03                   | 7.67                   | -11.67                |
| 5,608.0               | 67.00           | 119.30      | 5,401.5               | -328.8       | 315.6        | 352.0                   | 13.00                   | 3.87                   | -13.55                |
| 5,639.0               | 69.10           | 115.40      | 5,413.1               | -342.0       | 341.2        | 379.0                   | 13.49                   | 6.77                   | -12.58                |
| 5,670.0               | 72.10           | 113.00      | 5,423.3               | -354.0       | 367.8        | 406.8                   | 12.12                   | 9.68                   | -7.74                 |
| 5,700.0               | 74.40           | 110.50      | 5,432.0               | -364.6       | 394.5        | 434.6                   | 11.07                   | 7.67                   | -8.33                 |
| 5,731.0               | 77.10           | 107.00      | 5,439.6               | -374.3       | 423.0        | 464.0                   | 13.98                   | 8.71                   | -11.29                |
| 5,762.0               | 80.20           | 104.50      | 5,445.7               | -382.5       | 452.2        | 494.0                   | 12.75                   | 10.00                  | -8.06                 |
| 5,794.0               | 81.10           | 102.40      | 5,450.9               | -389.9       | 482.9        | 525.3                   | 7.06                    | 2.81                   | -6.56                 |
| 5,823.0               | 82.90           | 99.60       | 5,455.0               | -395.3       | 511.1        | 554.0                   | 11.40                   | 6.21                   | -9.66                 |
| 5,855.0               | 83.40           | 99.20       | 5,458.8               | -400.5       | 542.4        | 585.7                   | 2.00                    | 1.56                   | -1.25                 |
| 5,886.0               | 86.20           | 96.80       | 5,461.6               | -404.8       | 573.0        | 616.6                   | 11.87                   | 9.03                   | -7.74                 |
| 5,917.0               | 88.90           | 94.30       | 5,462.9               | -407.8       | 603.8        | 647.5                   | 11.86                   | 8.71                   | -8.06                 |
| 5,948.0               | 89.60           | 94.00       | 5,463.3               | -410.0       | 634.8        | 678.5                   | 2.46                    | 2.26                   | -0.97                 |
| 6,042.0               | 92.20           | 90.80       | 5,461.8               | -414.0       | 728.6        | 772.2                   | 4.39                    | 2.77                   | -3.40                 |
| 6,136.0               | 91.10           | 90.50       | 5,459.1               | -415.1       | 822.6        | 865.6                   | 1.21                    | -1.17                  | -0.32                 |
| 6,230.0               | 89.60           | 90.50       | 5,458.6               | -415.9       | 916.6        | 959.1                   | 1.60                    | -1.60                  | 0.00                  |
| 6,292.0               | 90.10           | 90.50       | 5,458.7               | -416.4       | 978.6        | 1,020.7                 | 0.81                    | 0.81                   | 0.00                  |
| 6,387.0               | 89.00           | 90.10       | 5,459.5               | -416.9       | 1,073.6      | 1,115.1                 | 1.23                    | -1.16                  | -0.42                 |
| 6,481.0               | 89.70           | 90.10       | 5,460.5               | -417.1       | 1,167.6      | 1,208.4                 | 0.74                    | 0.74                   | 0.00                  |
| 6,576.0               | 90.40           | 90.10       | 5,460.5               | -417.2       | 1,262.6      | 1,302.8                 | 0.74                    | 0.74                   | 0.00                  |
| 6,670.0               | 91.10           | 90.50       | 5,459.2               | -417.7       | 1,356.6      | 1,396.2                 | 0.86                    | 0.74                   | 0.43                  |

# Integrity Directional Services, LLC

## Survey Report



|                  |                          |                                     |                              |
|------------------|--------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Burnett Oil Company, INC | <b>Local Co-ordinate Reference:</b> | Well EG #6H                  |
| <b>Project:</b>  | Eddy County, NM          | <b>TVD Reference:</b>               | WELL @ 3984.5usft (17.5' KB) |
| <b>Site:</b>     | Nosler 12 Fed            | <b>MD Reference:</b>                | WELL @ 3984.5usft (17.5' KB) |
| <b>Well:</b>     | EG #6H                   | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | OH                       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Final Surveys            | <b>Database:</b>                    | EDM 5000.1 Multi User Db     |

| Survey                |                 |             |                       |             |             |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N-S (usft) | +E-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 6,765.0               | 91.80           | 90.50       | 5,456.8               | -418.6      | 1,451.5     | 1,490.6                 | 0.74                    | 0.74                   | 0.00                  |
| 6,860.0               | 90.80           | 90.50       | 5,454.7               | -419.4      | 1,546.5     | 1,585.0                 | 1.05                    | -1.05                  | 0.00                  |
| 6,954.0               | 91.50           | 90.50       | 5,452.8               | -420.2      | 1,640.5     | 1,678.4                 | 0.74                    | 0.74                   | 0.00                  |
| 7,048.0               | 90.40           | 91.20       | 5,451.2               | -421.6      | 1,734.4     | 1,771.9                 | 1.39                    | -1.17                  | 0.74                  |
| 7,142.0               | 89.90           | 91.50       | 5,451.0               | -423.8      | 1,828.4     | 1,865.5                 | 0.62                    | -0.53                  | 0.32                  |
| 7,236.0               | 89.00           | 91.20       | 5,451.9               | -426.0      | 1,922.4     | 1,959.1                 | 1.01                    | -0.96                  | -0.32                 |
| 7,331.0               | 90.10           | 91.20       | 5,452.6               | -428.0      | 2,017.4     | 2,053.7                 | 1.16                    | 1.16                   | 0.00                  |
| 7,426.0               | 91.00           | 91.50       | 5,451.7               | -430.3      | 2,112.3     | 2,148.2                 | 1.00                    | 0.95                   | 0.32                  |
| 7,521.0               | 89.70           | 91.20       | 5,451.1               | -432.5      | 2,207.3     | 2,242.8                 | 1.40                    | -1.37                  | -0.32                 |
| 7,616.0               | 90.60           | 91.20       | 5,450.9               | -434.5      | 2,302.3     | 2,337.4                 | 0.95                    | 0.95                   | 0.00                  |
| 7,710.0               | 91.30           | 90.80       | 5,449.3               | -436.1      | 2,396.2     | 2,430.9                 | 0.86                    | 0.74                   | -0.43                 |
| 7,805.0               | 90.60           | 90.80       | 5,447.8               | -437.5      | 2,491.2     | 2,525.4                 | 0.74                    | -0.74                  | 0.00                  |
| 7,900.0               | 91.70           | 90.80       | 5,445.8               | -438.8      | 2,586.2     | 2,619.8                 | 1.16                    | 1.16                   | 0.00                  |
| 7,995.0               | 90.30           | 91.20       | 5,444.2               | -440.4      | 2,681.2     | 2,714.3                 | 1.53                    | -1.47                  | 0.42                  |
| 8,089.0               | 90.60           | 91.50       | 5,443.4               | -442.7      | 2,775.1     | 2,807.9                 | 0.45                    | 0.32                   | 0.32                  |
| 8,184.0               | 89.20           | 90.80       | 5,443.6               | -444.6      | 2,870.1     | 2,902.5                 | 1.65                    | -1.47                  | -0.74                 |
| 8,278.0               | 90.10           | 91.20       | 5,444.2               | -446.2      | 2,964.1     | 2,996.0                 | 1.05                    | 0.96                   | 0.43                  |
| 8,373.0               | 91.00           | 91.20       | 5,443.3               | -448.2      | 3,059.1     | 3,090.5                 | 0.95                    | 0.95                   | 0.00                  |
| 8,468.0               | 89.70           | 91.20       | 5,442.7               | -450.2      | 3,154.0     | 3,185.1                 | 1.37                    | -1.37                  | 0.00                  |
| 8,562.0               | 90.60           | 92.60       | 5,442.4               | -453.3      | 3,248.0     | 3,278.7                 | 1.77                    | 0.96                   | 1.49                  |
| 8,656.0               | 91.80           | 92.60       | 5,440.5               | -457.6      | 3,341.9     | 3,372.5                 | 1.28                    | 1.28                   | 0.00                  |
| 8,750.0               | 90.40           | 90.50       | 5,438.7               | -460.1      | 3,435.8     | 3,466.1                 | 2.68                    | -1.49                  | -2.23                 |
| 8,845.0               | 90.10           | 89.40       | 5,438.3               | -460.0      | 3,530.8     | 3,560.4                 | 1.20                    | -0.32                  | -1.16                 |
| 8,939.0               | 91.10           | 89.80       | 5,437.3               | -459.4      | 3,624.8     | 3,653.7                 | 1.15                    | 1.06                   | 0.43                  |
| 9,034.0               | 90.40           | 89.40       | 5,436.0               | -458.7      | 3,719.8     | 3,747.9                 | 0.85                    | -0.74                  | -0.42                 |
| 9,155.0               | 91.80           | 89.80       | 5,433.7               | -457.9      | 3,840.8     | 3,868.0                 | 1.20                    | 1.16                   | 0.33                  |
| Final IDS MWD Survey  |                 |             |                       |             |             |                         |                         |                        |                       |
| 9,224.0               | 91.80           | 89.80       | 5,431.5               | -457.6      | 3,909.7     | 3,936.4                 | 0.00                    | 0.00                   | 0.00                  |
| Projection to TD      |                 |             |                       |             |             |                         |                         |                        |                       |

| Design Annotations    |                       |                   |             |                      |
|-----------------------|-----------------------|-------------------|-------------|----------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |             | Comment              |
|                       |                       | +N-S (usft)       | +E-W (usft) |                      |
| 895.0                 | 894.9                 | -1.2              | -4.4        | First IDS MWD Survey |
| 9,155.0               | 5,433.7               | -457.9            | 3,840.8     | Final IDS MWD Survey |
| 9,224.0               | 5,431.5               | -457.6            | 3,909.7     | Projection to TD     |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_