

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                          |                                                    |                                                           |                                 |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|---------------------------------|
| <sup>1</sup> Operator name and Address<br>Mack Energy Corporation<br>P.O. Box 960 Artesia, NM 88211-0960 |                                                    | <sup>2</sup> OGRID Number<br>013837                       |                                 |
|                                                                                                          |                                                    | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW |                                 |
| <sup>4</sup> API Number<br>30 - 0 25-47400                                                               | <sup>5</sup> Pool Name<br>Fren/Glorieta-Yeso       |                                                           | <sup>6</sup> Pool Code<br>26770 |
| <sup>7</sup> Property Code<br>328511                                                                     | <sup>8</sup> Property Name<br>Nosler 24 Federal PM |                                                           | <sup>9</sup> Well Number<br>1H  |

II. <sup>10</sup> Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
| M             | 19      | 17S      | 32E   |         | 1320          | South            | 745           | West           | Chaves |

<sup>11</sup> Bottom Hole Location

|                             |                                             |                                                   |                                   |         |                                    |                  |                                     |                |        |
|-----------------------------|---------------------------------------------|---------------------------------------------------|-----------------------------------|---------|------------------------------------|------------------|-------------------------------------|----------------|--------|
| UL or lot no.               | Section                                     | Township                                          | Range                             | Lot Idn | Feet from the                      | North/South line | Feet from the                       | East/West line | County |
| M                           | 24                                          | 17S                                               | 31E                               |         | 978                                | South            | 26                                  | West           | Eddy   |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method<br>Code<br>P | <sup>14</sup> Gas Connection<br>Date<br>6/29/2021 | <sup>15</sup> C-129 Permit Number |         | <sup>16</sup> C-129 Effective Date |                  | <sup>17</sup> C-129 Expiration Date |                |        |

III. Oil and Gas Transporters

|                                    |                                                                            |                     |
|------------------------------------|----------------------------------------------------------------------------|---------------------|
| <sup>18</sup> Transporter<br>OGRID | <sup>19</sup> Transporter Name<br>and Address                              | <sup>20</sup> O/G/W |
| 278471                             | Holly Marketing & Refining Co. LLC<br>P.O. Box 1600 Artesia, NM 88211-1600 | O                   |
| 036788                             | DCP Midstream<br>4001 Penbrook, Odessa TX 79762                            | G                   |
|                                    |                                                                            |                     |
|                                    |                                                                            |                     |
|                                    |                                                                            |                     |

IV. Well Completion Data

|                                     |                                       |                                      |                                        |                                                            |                            |
|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------|------------------------------------------------------------|----------------------------|
| <sup>21</sup> Spud Date<br>4/1/2021 | <sup>22</sup> Ready Date<br>6/22/2021 | <sup>23</sup> TD<br>11050'/5303' TVD | <sup>24</sup> PBTD<br>11000'/5303' TVD | <sup>25</sup> Perforations<br>5900'-10963'/5368'-5303' TVD | <sup>26</sup> DHC, MC      |
| <sup>27</sup> Hole Size             |                                       | <sup>28</sup> Casing & Tubing Size   | <sup>29</sup> Depth Set                |                                                            | <sup>30</sup> Sacks Cement |
| 17 1/2"                             |                                       | 13 3/8"                              | 713'                                   |                                                            | 1022 sx                    |
| 12 1/4"                             |                                       | 9 5/8"                               | 2347'                                  |                                                            | 895 sx                     |
| 8 3/4"                              |                                       | 7" & 5 1/2"                          | 11050'                                 |                                                            | 1492 sx                    |
|                                     |                                       |                                      |                                        |                                                            |                            |

V. Well Test Data

|                                                                                                                                                                                                                                                 |                                              |                                     |                                                                                                                           |                             |                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|
| <sup>31</sup> Date New Oil<br>7/4/2021                                                                                                                                                                                                          | <sup>32</sup> Gas Delivery Date<br>6/29/2021 | <sup>33</sup> Test Date<br>7/4/2021 | <sup>34</sup> Test Length<br>24 hr.                                                                                       | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure          |
| <sup>37</sup> Choke Size                                                                                                                                                                                                                        | <sup>38</sup> Oil<br>14                      | <sup>39</sup> Water<br>1860         | <sup>40</sup> Gas<br>130                                                                                                  |                             | <sup>41</sup> Test Method<br>Pumping |
| <sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature:<br><i>Delilah Flores</i> |                                              |                                     | OIL CONSERVATION DIVISION<br><br>Approved by: KURT SIMMONS<br><br>Title: NMOCD, SANTA FE<br><br>Approval Date: 09/07/2021 |                             |                                      |
| Printed name:<br>Delilah Flores                                                                                                                                                                                                                 |                                              |                                     |                                                                                                                           |                             |                                      |
| Title:<br>Regulatory Technician                                                                                                                                                                                                                 |                                              |                                     |                                                                                                                           |                             |                                      |
| E-mail Address:<br>delilah@mec.com                                                                                                                                                                                                              |                                              |                                     |                                                                                                                           |                             |                                      |
| Date:<br>7/14/2021                                                                                                                                                                                                                              |                                              | Phone:<br>575-748-1288              |                                                                                                                           |                             |                                      |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                       |                                              |
|-----------------------------------------|-------------------------------------------------------|----------------------------------------------|
| <sup>1</sup> API Number<br>30-025-47400 | <sup>2</sup> Pool Code<br>26770                       | <sup>3</sup> Pool Name<br>Fren/Glorieta-Yeso |
| <sup>4</sup> Property Code<br>328511    | <sup>5</sup> Property Name<br>NOSLER 24 FED PM        |                                              |
| <sup>7</sup> OGRID No.<br>13837         | <sup>8</sup> Operator Name<br>MACK ENERGY CORPORATION |                                              |
|                                         |                                                       | <sup>6</sup> Well Number<br>1H               |
|                                         |                                                       | <sup>9</sup> Elevation<br>3915.4             |

## <sup>10</sup> Surface Location

|               |           |             |             |         |               |                  |               |                |            |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|------------|
| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
| <b>4</b>      | <b>19</b> | <b>17 S</b> | <b>32 E</b> |         | <b>1320</b>   | <b>SOUTH</b>     | <b>745</b>    | <b>WEST</b>    | <b>LEA</b> |

<sup>11</sup> Bottom Hole Location If Different From Surface

|               |           |             |             |         |               |                  |               |                |             |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
| <b>M</b>      | <b>24</b> | <b>17 S</b> | <b>31 E</b> |         | <b>978</b>    | <b>SOUTH</b>     | <b>26</b>     | <b>WEST</b>    | <b>EDDY</b> |

|                               |                               |                                  |                         |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
| 160                           |                               |                                  |                         |

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

| <b><sup>17</sup> OPERATOR CERTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> |                                                                  |
| <p style="font-size: 1.2em; font-family: cursive;">Delilah Flores</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p style="font-size: 1.2em; font-family: cursive;">7/14/2021</p> |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Date                                                             |
| <p style="font-size: 1.2em; font-family: cursive;">Delilah Flores</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |
| Printed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |
| <p style="font-size: 1.2em; font-family: cursive;">delilah@mec.com</p>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |
| E-mail Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |

  

| <b><sup>18</sup> SURVEYOR CERTIFICATION</b>                                                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> |  |
| JUNE 28, 2021                                                                                                                                                                                                        |  |
| Date of Survey                                                                                                                                                                                                       |  |
| <div style="text-align: center;">  </div>                                                                                       |  |
| Signature and Seal of Professional Surveyor                                                                                                                                                                          |  |
| Certificate Number: FILLMON E. JARAMILLO, PLS 12797                                                                                                                                                                  |  |
| SURVEY NO. 7458A                                                                                                                                                                                                     |  |

Intent ☐ As Drilled ☒

|                                                  |                                           |                          |
|--------------------------------------------------|-------------------------------------------|--------------------------|
| API #                                            |                                           |                          |
| Operator Name:<br><b>MACK ENERGY CORPORATION</b> | Property Name:<br><b>NOSLER 24 FED PM</b> | Well Number<br><b>1H</b> |

Kick Off Point (KOP)

| UL                            | Section   | Township   | Range      | Lot      | Feet                            | From N/S     | Feet       | From E/W    | County           |
|-------------------------------|-----------|------------|------------|----------|---------------------------------|--------------|------------|-------------|------------------|
|                               | <b>19</b> | <b>17S</b> | <b>32E</b> | <b>4</b> | <b>1320</b>                     | <b>SOUTH</b> | <b>745</b> | <b>WEST</b> | <b>LEA</b>       |
| Latitude<br><b>32.8165416</b> |           |            |            |          | Longitude<br><b>103.8120573</b> |              |            |             | NAD<br><b>83</b> |

First Take Point (FTP)

| UL                            | Section   | Township   | Range      | Lot | Feet                            | From N/S     | Feet       | From E/W    | County           |
|-------------------------------|-----------|------------|------------|-----|---------------------------------|--------------|------------|-------------|------------------|
| <b>P</b>                      | <b>24</b> | <b>17S</b> | <b>31E</b> |     | <b>990</b>                      | <b>SOUTH</b> | <b>110</b> | <b>EAST</b> | <b>EDDY</b>      |
| Latitude<br><b>32.8156359</b> |           |            |            |     | Longitude<br><b>103.8148374</b> |              |            |             | NAD<br><b>83</b> |

Last Take Point (LTP)

| UL                            | Section   | Township   | Range      | Lot | Feet                            | From N/S     | Feet       | From E/W    | County           |
|-------------------------------|-----------|------------|------------|-----|---------------------------------|--------------|------------|-------------|------------------|
| <b>M</b>                      | <b>24</b> | <b>17S</b> | <b>31E</b> |     | <b>978</b>                      | <b>SOUTH</b> | <b>113</b> | <b>WEST</b> | <b>EDDY</b>      |
| Latitude<br><b>32.8155826</b> |           |            |            |     | Longitude<br><b>103.8313109</b> |              |            |             | NAD<br><b>83</b> |

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

KZ 06/29/2018



## **Mack Energy**

**Lea County, NM**

**Sec 19-T17S-R32E**

**Nosler 24 Federal PM #1H**

**Wellbore #1**

**Survey: Survey #2**

## **Standard Survey Report**

**16 April, 2021**





# Microsoft Survey Report



|                  |                          |                                     |                               |
|------------------|--------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | Mack Energy              | <b>Local Co-ordinate Reference:</b> | Well Nosler 24 Federal PM #1H |
| <b>Project:</b>  | Lea County, NM           | <b>TVD Reference:</b>               | 3915.4+16 @ 3931.40usft       |
| <b>Site:</b>     | Sec 19-T17S-R32E         | <b>MD Reference:</b>                | 3915.4+16 @ 3931.40usft       |
| <b>Well:</b>     | Nosler 24 Federal PM #1H | <b>North Reference:</b>             | Grid                          |
| <b>Wellbore:</b> | Wellbore #1              | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | Wellbore #1              | <b>Database:</b>                    | EDM 5000.15 Single User Db    |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM            |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                      |                |

|                       |           |                  |                 |                   |             |
|-----------------------|-----------|------------------|-----------------|-------------------|-------------|
| Site                  |           | Sec 19-T17S-R32E |                 |                   |             |
| Site Position:        |           | Northing:        | 664,333.50 usft | Latitude:         | 32.825198   |
| From:                 | Map       | Easting:         | 701,242.80 usft | Longitude:        | -103.812777 |
| Position Uncertainty: | 0.00 usft | Slot Radius:     | 13-3/16 "       | Grid Convergence: | 0.28 °      |

|                      |                          |           |                     |                 |               |               |
|----------------------|--------------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | Nosler 24 Federal PM #1H |           |                     |                 |               |               |
| Well Position        | +N/-S                    | 0.00 usft | Northing:           | 661,185.32 usft | Latitude:     | 32.816542     |
|                      | +E/-W                    | 0.00 usft | Easting:            | 701,479.35 usft | Longitude:    | -103.812058   |
| Position Uncertainty |                          | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,915.40 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 03/04/21           | 6.71                   | 60.51                | 47,875.64171430            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | Wellbore #1                    |                     |                     |                      |      |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                           | 0.00                | 0.00                | 266.53               |      |

|                       |                  |                          |                  |                    |  |
|-----------------------|------------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 04/16/21                 |                  |                    |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 84.00                 | 675.00           | Inviticus (Wellbore #1)  | MWD              | MWD - Standard     |  |
| 830.00                | 11,050.00        | Survey #2 (Wellbore #1)  | MWD              | MWD - Standard     |  |

|                              |                        |                    |                              |                     |                     |                                |                              |                             |                            |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|------------------------------|-----------------------------|----------------------------|--|
| <b>Survey</b>                |                        |                    |                              |                     |                     |                                |                              |                             |                            |  |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |  |
| 675.00                       | 0.60                   | 337.74             | 674.99                       | 3.57                | 0.43                | -0.65                          | 0.00                         | 0.00                        | 0.00                       |  |
| 830.00                       | 1.10                   | 0.28               | 829.97                       | 5.81                | 0.13                | -0.48                          | 0.38                         | 0.32                        | 14.54                      |  |
| <b>1st MWD Survey</b>        |                        |                    |                              |                     |                     |                                |                              |                             |                            |  |
| 1,015.00                     | 1.67                   | 359.31             | 1,014.92                     | 10.28               | 0.11                | -0.73                          | 0.31                         | 0.31                        | -0.52                      |  |
| 1,201.00                     | 0.84                   | 39.92              | 1,200.87                     | 14.03               | 0.95                | -1.80                          | 0.63                         | -0.45                       | 21.83                      |  |
| 1,388.00                     | 1.10                   | 134.49             | 1,387.86                     | 13.83               | 3.11                | -3.94                          | 0.77                         | 0.14                        | 50.57                      |  |
| 1,573.00                     | 1.67                   | 149.69             | 1,572.80                     | 10.26               | 5.74                | -6.35                          | 0.36                         | 0.31                        | 8.22                       |  |
| 1,759.00                     | 1.27                   | 120.78             | 1,758.74                     | 6.86                | 8.88                | -9.28                          | 0.45                         | -0.22                       | -15.54                     |  |
| 1,944.00                     | 1.71                   | 154.26             | 1,943.68                     | 3.32                | 11.84               | -12.02                         | 0.52                         | 0.24                        | 18.10                      |  |
| 2,129.00                     | 1.10                   | 163.75             | 2,128.63                     | -0.87               | 13.53               | -13.46                         | 0.35                         | -0.33                       | 5.13                       |  |



**Microsoft**  
Survey Report



|                  |                          |                                     |                               |
|------------------|--------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | Mack Energy              | <b>Local Co-ordinate Reference:</b> | Well Nosler 24 Federal PM #1H |
| <b>Project:</b>  | Lea County, NM           | <b>TVD Reference:</b>               | 3915.4+16 @ 3931.40usft       |
| <b>Site:</b>     | Sec 19-T17S-R32E         | <b>MD Reference:</b>                | 3915.4+16 @ 3931.40usft       |
| <b>Well:</b>     | Nosler 24 Federal PM #1H | <b>North Reference:</b>             | Grid                          |
| <b>Wellbore:</b> | Wellbore #1              | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | Wellbore #1              | <b>Database:</b>                    | EDM 5000.15 Single User Db    |

| Survey                |                 |             |                       |              |              |                         |                       |                      |                     |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 2,311.00              | 0.97            | 156.99      | 2,310.60              | -3.96        | 14.62        | -14.36                  | 0.10                  | -0.07                | -3.71               |
| 2,387.00              | 0.75            | 160.33      | 2,386.59              | -5.02        | 15.04        | -14.71                  | 0.30                  | -0.29                | 4.39                |
| 2,572.00              | 0.48            | 145.47      | 2,571.58              | -6.80        | 15.89        | -15.45                  | 0.17                  | -0.15                | -8.03               |
| 2,758.00              | 0.13            | 167.97      | 2,757.57              | -7.65        | 16.38        | -15.88                  | 0.20                  | -0.19                | 12.10               |
| 2,943.00              | 0.31            | 61.19       | 2,942.57              | -7.61        | 16.86        | -16.37                  | 0.20                  | 0.10                 | -57.72              |
| 3,129.00              | 0.44            | 354.13      | 3,128.57              | -6.66        | 17.23        | -16.79                  | 0.23                  | 0.07                 | -36.05              |
| 3,315.00              | 0.53            | 343.93      | 3,314.56              | -5.12        | 16.91        | -16.57                  | 0.07                  | 0.05                 | -5.48               |
| 3,500.00              | 0.66            | 353.16      | 3,499.55              | -3.24        | 16.55        | -16.32                  | 0.09                  | 0.07                 | 4.99                |
| 3,687.00              | 0.70            | 388         | 3,686.54              | -1.03        | 16.50        | -16.41                  | 0.07                  | 0.02                 | 5.73                |
| 3,873.00              | 0.75            | 329.60      | 3,872.53              | 1.15         | 15.96        | -16.00                  | 0.23                  | 0.03                 | -18.43              |
| 4,059.00              | 0.88            | 333.82      | 4,058.51              | 3.48         | 14.71        | -14.90                  | 0.08                  | 0.07                 | 2.27                |
| 4,245.00              | 1.10            | 350.87      | 4,244.48              | 6.53         | 13.80        | -14.17                  | 0.20                  | 0.12                 | 9.17                |
| 4,432.00              | 1.01            | 352.28      | 4,431.45              | 9.93         | 13.30        | -13.87                  | 0.05                  | -0.05                | 0.75                |
| 4,462.00              | 0.97            | 324.86      | 4,461.44              | 10.40        | 13.11        | -13.72                  | 1.57                  | -0.13                | -91.40              |
| 4,493.00              | 2.86            | 227.56      | 4,492.43              | 10.09        | 12.39        | -12.98                  | 10.11                 | 6.10                 | -313.87             |
| 4,524.00              | 3.38            | 243.38      | 4,523.39              | 9.16         | 11.00        | -11.54                  | 3.23                  | 1.68                 | 51.03               |
| 4,555.00              | 5.01            | 239.16      | 4,554.30              | 8.06         | 9.02         | -9.50                   | 5.35                  | 5.26                 | -13.61              |
| 4,586.00              | 6.86            | 237.67      | 4,585.13              | 6.37         | 6.30         | -6.67                   | 5.99                  | 5.97                 | -4.81               |
| 4,617.00              | 9.27            | 238.29      | 4,615.82              | 4.07         | 2.61         | -2.85                   | 7.78                  | 7.77                 | 2.00                |
| 4,648.00              | 11.69           | 238.55      | 4,646.31              | 1.12         | -2.20        | 2.12                    | 7.81                  | 7.81                 | 0.84                |
| 4,679.00              | 14.11           | 238.29      | 4,676.52              | -2.50        | -8.09        | 8.23                    | 7.81                  | 7.81                 | -0.84               |
| 4,710.00              | 16.48           | 237.58      | 4,706.42              | -6.85        | -15.02       | 15.40                   | 7.67                  | 7.65                 | -2.29               |
| 4,741.00              | 18.86           | 238.64      | 4,735.96              | -11.81       | -23.01       | 23.68                   | 7.75                  | 7.68                 | 3.42                |
| 4,771.00              | 21.19           | 240.31      | 4,764.14              | -17.02       | -31.86       | 32.83                   | 8.00                  | 7.77                 | 5.57                |
| 4,803.00              | 23.16           | 240.22      | 4,793.77              | -23.01       | -42.35       | 43.66                   | 6.16                  | 6.16                 | -0.28               |
| 4,833.00              | 25.80           | 243.56      | 4,821.07              | -28.85       | -53.32       | 54.96                   | 9.93                  | 8.80                 | 11.13               |
| 4,864.00              | 28.18           | 245.23      | 4,848.70              | -34.92       | -66.01       | 68.00                   | 8.06                  | 7.68                 | 5.39                |
| 4,895.00              | 30.77           | 245.58      | 4,875.68              | -41.27       | -79.87       | 82.23                   | 8.37                  | 8.35                 | 1.13                |
| 4,926.00              | 32.00           | 244.44      | 4,902.15              | -48.09       | -94.50       | 97.24                   | 4.41                  | 3.97                 | -3.68               |
| 4,957.00              | 34.68           | 245.14      | 4,928.04              | -55.35       | -109.92      | 113.07                  | 8.73                  | 8.65                 | 2.26                |
| 4,987.00              | 36.84           | 244.53      | 4,952.38              | -62.80       | -125.79      | 129.36                  | 7.30                  | 7.20                 | -2.03               |
| 5,018.00              | 39.69           | 244.09      | 4,976.72              | -71.13       | -143.08      | 147.12                  | 9.24                  | 9.19                 | -1.42               |
| 5,049.00              | 42.29           | 243.47      | 5,000.12              | -80.11       | -161.32      | 165.87                  | 8.49                  | 8.39                 | -2.00               |
| 5,080.00              | 44.92           | 243.65      | 5,022.57              | -89.63       | -180.46      | 185.56                  | 8.49                  | 8.48                 | 0.58                |
| 5,111.00              | 47.30           | 244.17      | 5,044.06              | -99.45       | -200.53      | 206.18                  | 7.77                  | 7.68                 | 1.68                |
| 5,142.00              | 50.07           | 244.35      | 5,064.52              | -109.56      | -221.50      | 227.72                  | 8.95                  | 8.94                 | 0.58                |
| 5,173.00              | 51.43           | 244.44      | 5,084.13              | -119.94      | -243.15      | 249.96                  | 4.39                  | 4.39                 | 0.29                |
| 5,183.00              | 51.78           | 244.53      | 5,090.34              | -123.31      | -250.22      | 257.22                  | 3.57                  | 3.50                 | 0.90                |
| 5,193.00              | 51.96           | 244.61      | 5,096.52              | -126.69      | -257.32      | 264.52                  | 1.91                  | 1.80                 | 0.80                |
| 5,204.00              | 52.22           | 244.70      | 5,103.28              | -130.41      | -265.17      | 272.57                  | 2.45                  | 2.36                 | 0.82                |
| 5,214.00              | 52.48           | 244.79      | 5,109.39              | -133.78      | -272.33      | 279.93                  | 2.70                  | 2.60                 | 0.90                |
| 5,224.00              | 52.62           | 244.79      | 5,115.47              | -137.17      | -279.51      | 287.30                  | 1.40                  | 1.40                 | 0.00                |
| 5,235.00              | 52.70           | 244.88      | 5,122.14              | -140.88      | -287.43      | 295.43                  | 0.98                  | 0.73                 | 0.82                |



# Microsoft Survey Report



|                  |                          |                                     |                               |
|------------------|--------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | Mack Energy              | <b>Local Co-ordinate Reference:</b> | Well Nosler 24 Federal PM #1H |
| <b>Project:</b>  | Lea County, NM           | <b>TVD Reference:</b>               | 3915.4+16 @ 3931.40usft       |
| <b>Site:</b>     | Sec 19-T17S-R32E         | <b>MD Reference:</b>                | 3915.4+16 @ 3931.40usft       |
| <b>Well:</b>     | Nosler 24 Federal PM #1H | <b>North Reference:</b>             | Grid                          |
| <b>Wellbore:</b> | Wellbore #1              | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | Wellbore #1              | <b>Database:</b>                    | EDM 5000.15 Single User Db    |

| Survey                |                 |             |                       |              |              |                         |                       |                      |                     |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 5,245.00              | 52.92           | 244.97      | 5,128.18              | -144.26      | -294.64      | 302.83                  | 2.31                  | 2.20                 | 0.90                |  |
| 5,255.00              | 53.14           | 245.05      | 5,134.20              | -147.64      | -301.88      | 310.26                  | 2.29                  | 2.20                 | 0.80                |  |
| 5,266.00              | 53.27           | 245.23      | 5,140.78              | -151.34      | -309.88      | 318.47                  | 1.76                  | 1.18                 | 1.64                |  |
| 5,276.00              | 53.45           | 245.23      | 5,146.75              | -154.70      | -317.16      | 325.94                  | 1.80                  | 1.80                 | 0.00                |  |
| 5,286.00              | 53.67           | 245.49      | 5,152.69              | -158.05      | -324.47      | 333.44                  | 3.04                  | 2.20                 | 2.60                |  |
| 5,297.00              | 53.76           | 245.67      | 5,159.20              | -161.72      | -332.55      | 341.72                  | 1.55                  | 0.82                 | 1.64                |  |
| 5,307.00              | 54.02           | 245.84      | 5,165.10              | -165.04      | -339.91      | 349.28                  | 2.94                  | 2.60                 | 1.70                |  |
| 5,317.00              | 54.29           | 245.76      | 5,170.95              | -168.36      | -347.31      | 356.86                  | 2.78                  | 2.70                 | -0.80               |  |
| 5,328.00              | 54.42           | 245.84      | 5,177.36              | -172.03      | -355.46      | 365.22                  | 1.32                  | 1.18                 | 0.73                |  |
| 5,338.00              | 54.73           | 245.76      | 5,183.16              | -175.37      | -362.89      | 372.84                  | 3.17                  | 3.10                 | -0.80               |  |
| 5,348.00              | 54.81           | 245.93      | 5,188.93              | -178.71      | -370.35      | 380.48                  | 1.60                  | 0.80                 | 1.70                |  |
| 5,358.00              | 55.08           | 245.84      | 5,194.67              | -182.05      | -377.82      | 388.14                  | 2.80                  | 2.70                 | -0.90               |  |
| 5,368.00              | 55.38           | 246.37      | 5,200.37              | -185.38      | -385.33      | 395.84                  | 5.29                  | 3.00                 | 5.30                |  |
| 5,378.00              | 55.56           | 246.37      | 5,206.04              | -188.68      | -392.88      | 403.57                  | 1.80                  | 1.80                 | 0.00                |  |
| 5,389.00              | 55.74           | 246.20      | 5,212.25              | -192.33      | -401.19      | 412.10                  | 2.08                  | 1.64                 | -1.55               |  |
| 5,399.00              | 55.96           | 246.64      | 5,217.86              | -195.65      | -408.78      | 419.87                  | 4.25                  | 2.20                 | 4.40                |  |
| 5,409.00              | 56.13           | 246.55      | 5,223.45              | -198.94      | -416.39      | 427.66                  | 1.86                  | 1.70                 | -0.90               |  |
| 5,420.00              | 56.40           | 246.55      | 5,229.56              | -202.58      | -424.78      | 436.26                  | 2.45                  | 2.45                 | 0.00                |  |
| 5,482.00              | 59.30           | 246.46      | 5,262.55              | -223.51      | -472.92      | 485.57                  | 4.68                  | 4.68                 | -0.15               |  |
| 5,513.00              | 60.57           | 246.02      | 5,278.08              | -234.32      | -497.47      | 510.74                  | 4.28                  | 4.10                 | -1.42               |  |
| 5,544.00              | 63.12           | 245.93      | 5,292.70              | -245.44      | -522.43      | 536.33                  | 8.23                  | 8.23                 | -0.29               |  |
| 5,606.00              | 66.86           | 247.69      | 5,318.91              | -267.55      | -574.07      | 589.21                  | 6.56                  | 6.03                 | 2.84                |  |
| 5,637.00              | 69.80           | 249.71      | 5,330.36              | -278.01      | -600.91      | 616.63                  | 11.25                 | 9.48                 | 6.52                |  |
| 5,667.00              | 72.97           | 250.68      | 5,339.93              | -287.64      | -627.66      | 643.91                  | 11.00                 | 10.57                | 3.23                |  |
| 5,698.00              | 76.22           | 252.44      | 5,348.17              | -297.09      | -656.01      | 672.78                  | 11.83                 | 10.48                | 5.68                |  |
| 5,729.00              | 78.59           | 254.02      | 5,354.93              | -305.81      | -684.97      | 702.22                  | 9.12                  | 7.65                 | 5.10                |  |
| 5,760.00              | 81.98           | 255.78      | 5,360.16              | -313.77      | -714.47      | 732.14                  | 12.28                 | 10.94                | 5.68                |  |
| 5,791.00              | 85.19           | 258.32      | 5,363.62              | -320.67      | -744.48      | 762.52                  | 13.17                 | 10.35                | 8.19                |  |
| 5,822.00              | 87.03           | 261.05      | 5,365.73              | -326.21      | -774.91      | 793.23                  | 10.60                 | 5.94                 | 8.81                |  |
| 5,853.00              | 87.87           | 264.21      | 5,367.10              | -330.18      | -805.62      | 824.12                  | 10.54                 | 2.71                 | 10.19               |  |
| 5,915.00              | 89.01           | 267.90      | 5,368.79              | -334.44      | -867.43      | 886.08                  | 6.23                  | 1.84                 | 5.95                |  |
| 5,977.00              | 90.51           | 268.61      | 5,369.05              | -336.33      | -929.40      | 948.05                  | 2.68                  | 2.42                 | 1.15                |  |
| 6,040.00              | 91.60           | 269.22      | 5,367.89              | -337.52      | -992.38      | 1,010.98                | 1.98                  | 1.73                 | 0.97                |  |
| 6,209.00              | 93.32           | 270.54      | 5,360.64              | -337.88      | -1,161.21    | 1,179.53                | 1.28                  | 1.02                 | 0.78                |  |
| 6,270.00              | 91.82           | 271.60      | 5,357.90              | -336.74      | -1,222.14    | 1,240.28                | 3.01                  | -2.46                | 1.74                |  |
| 6,332.00              | 91.47           | 271.51      | 5,356.12              | -335.06      | -1,284.09    | 1,302.01                | 0.58                  | -0.56                | -0.15               |  |
| 6,394.00              | 88.88           | 270.54      | 5,355.93              | -333.95      | -1,346.07    | 1,363.81                | 4.46                  | -4.18                | -1.56               |  |
| 6,456.00              | 89.23           | 271.16      | 5,356.96              | -333.03      | -1,408.06    | 1,425.63                | 1.15                  | 0.56                 | 1.00                |  |
| 6,580.00              | 89.58           | 271.60      | 5,358.24              | -330.04      | -1,532.02    | 1,549.18                | 0.45                  | 0.28                 | 0.35                |  |
| 6,766.00              | 90.11           | 269.75      | 5,358.75              | -327.85      | -1,717.99    | 1,734.68                | 1.03                  | 0.28                 | -0.99               |  |
| 6,951.00              | 91.78           | 268.78      | 5,355.70              | -330.22      | -1,902.94    | 1,919.44                | 1.04                  | 0.90                 | -0.52               |  |
| 7,137.00              | 92.40           | 268.52      | 5,348.91              | -334.60      | -2,088.77    | 2,105.19                | 0.36                  | 0.33                 | -0.14               |  |
| 7,323.00              | 92.35           | 269.66      | 5,341.21              | -337.55      | -2,274.58    | 2,290.84                | 0.61                  | -0.03                | 0.61                |  |



# Microsoft Survey Report



|                  |                          |                                     |                               |
|------------------|--------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | Mack Energy              | <b>Local Co-ordinate Reference:</b> | Well Nosler 24 Federal PM #1H |
| <b>Project:</b>  | Lea County, NM           | <b>TVD Reference:</b>               | 3915.4+16 @ 3931.40usft       |
| <b>Site:</b>     | Sec 19-T17S-R32E         | <b>MD Reference:</b>                | 3915.4+16 @ 3931.40usft       |
| <b>Well:</b>     | Nosler 24 Federal PM #1H | <b>North Reference:</b>             | Grid                          |
| <b>Wellbore:</b> | Wellbore #1              | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | Wellbore #1              | <b>Database:</b>                    | EDM 5000.15 Single User Db    |

| Survey                                                                            |                 |             |                       |              |              |                         |                       |                      |                     |  |
|-----------------------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft)                                                             | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 7,509.00                                                                          | 92.04           | 270.10      | 5,334.08              | -337.94      | -2,460.44    | 2,476.38                | 0.29                  | -0.17                | 0.24                |  |
| 7,694.00                                                                          | 88.84           | 269.22      | 5,332.66              | -339.04      | -2,645.41    | 2,661.08                | 1.79                  | -1.73                | -0.48               |  |
| 7,880.00                                                                          | 89.27           | 268.26      | 5,335.73              | -343.13      | -2,831.34    | 2,846.91                | 0.57                  | 0.23                 | -0.52               |  |
| 8,066.00                                                                          | 89.98           | 269.14      | 5,336.95              | -347.35      | -3,017.28    | 3,032.77                | 0.61                  | 0.38                 | 0.47                |  |
| 8,251.00                                                                          | 90.11           | 269.14      | 5,336.80              | -350.13      | -3,202.26    | 3,217.58                | 0.07                  | 0.07                 | 0.00                |  |
| 8,437.00                                                                          | 91.25           | 268.61      | 5,334.59              | -353.78      | -3,388.21    | 3,403.41                | 0.68                  | 0.61                 | -0.28               |  |
| 8,622.00                                                                          | 91.47           | 268.87      | 5,330.20              | -357.84      | -3,573.11    | 3,588.22                | 0.18                  | 0.12                 | 0.14                |  |
| 8,808.00                                                                          | 90.86           | 269.14      | 5,326.42              | -361.07      | -3,759.04    | 3,774.00                | 0.36                  | -0.33                | 0.15                |  |
| 8,993.00                                                                          | 91.03           | 269.49      | 5,323.37              | -363.28      | -3,944.00    | 3,958.76                | 0.21                  | 0.09                 | 0.19                |  |
| 9,179.00                                                                          | 90.77           | 269.49      | 5,320.45              | -364.94      | -4,129.97    | 4,144.49                | 0.14                  | -0.14                | 0.00                |  |
| 9,364.00                                                                          | 91.03           | 270.28      | 5,317.54              | -365.31      | -4,314.95    | 4,329.15                | 0.45                  | 0.14                 | 0.43                |  |
| 9,549.00                                                                          | 90.90           | 270.98      | 5,314.43              | -363.28      | -4,499.91    | 4,513.65                | 0.38                  | -0.07                | 0.38                |  |
| 9,733.00                                                                          | 91.47           | 271.24      | 5,310.62              | -359.71      | -4,683.84    | 4,697.02                | 0.34                  | 0.31                 | 0.14                |  |
| 9,919.00                                                                          | 92.04           | 269.75      | 5,304.92              | -358.11      | -4,869.74    | 4,882.48                | 0.86                  | 0.31                 | -0.80               |  |
| 10,104.00                                                                         | 90.55           | 268.43      | 5,300.74              | -361.05      | -5,054.66    | 5,067.24                | 1.08                  | -0.81                | -0.71               |  |
| 10,292.00                                                                         | 90.95           | 267.99      | 5,298.28              | -366.92      | -5,242.55    | 5,255.14                | 0.32                  | 0.21                 | -0.23               |  |
| 10,482.00                                                                         | 88.48           | 268.08      | 5,299.23              | -373.43      | -5,432.42    | 5,445.06                | 1.30                  | -1.30                | 0.05                |  |
| 10,673.00                                                                         | 89.19           | 269.57      | 5,303.11              | -377.35      | -5,623.33    | 5,635.86                | 0.86                  | 0.37                 | 0.78                |  |
| 10,863.00                                                                         | 90.15           | 270.19      | 5,304.21              | -377.74      | -5,813.33    | 5,825.53                | 0.60                  | 0.51                 | 0.33                |  |
| 10,981.00                                                                         | 90.24           | 270.01      | 5,303.80              | -377.54      | -5,931.32    | 5,943.30                | 0.17                  | 0.08                 | -0.15               |  |
| Last MWD Survey 10981 MD/5303.80 TVD -377.54 S -5931.32 W N: 660807.7 E: 695548.0 |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 11,050.00                                                                         | 90.24           | 270.01      | 5,303.52              | -377.53      | -6,000.32    | 6,012.17                | 0.00                  | 0.00                 | 0.00                |  |
| PTB 11050 MD/5303.52 TVD -377.53 S -6000.32 W N: 660807.7 E: 695479.0             |                 |             |                       |              |              |                         |                       |                      |                     |  |

| Survey Annotations    |                       |                   |              |                                                                       |  |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------------------------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                                                       |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                                                               |  |
| 830.00                | 829.97                | 5.81              | 0.13         | 1st MWD Survey                                                        |  |
| 10,981.00             | 5,303.80              | -377.54           | -5,931.32    | Last MWD Survey 10981 MD/5303.80 TVD -377.54 S -5931.32 W N: 660807.7 |  |
| 11,050.00             | 5,303.52              | -377.53           | -6,000.32    | PTB 11050 MD/5303.52 TVD -377.53 S -6000.32 W N: 660807.7 E: 695479.0 |  |

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

Submit a Copy To Appropriate District Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

|                                                                                          |
|------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-025-47400                                                             |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                             |
| 7. Lease Name or Unit Agreement Name<br>Nosler 24 Federal PM                             |
| 8. Well Number 1H                                                                        |
| 9. OGRID Number<br>013837                                                                |
| 10. Pool name or Wildcat<br>Fren/Glorieta-Yeso                                           |

|                                                                                                                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) |  |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                         |  |
| 2. Name of Operator<br>Mack Energy Corporation                                                                                                                                                         |  |
| 3. Address of Operator<br>P. O. Box 960 Artesia, NM 88211-0960                                                                                                                                         |  |
| 4. Well Location<br>Unit Letter M : 1320 feet from the South line and 745 feet from the West line<br>Section 19 Township 17S Range 32E NMPM County Lea                                                 |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3915'                                                                                                                                            |  |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO:                        | SUBSEQUENT REPORT OF:                                 |
|------------------------------------------------|-------------------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                |
| TEMPORARILY ABANDON <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/>              |
| PULL OR ALTER CASING <input type="checkbox"/>  | COMMENCE DRILLING OPNS. <input type="checkbox"/>      |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    | P AND A <input type="checkbox"/>                      |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    | CASING/CEMENT JOB <input type="checkbox"/>            |
| OTHER: <input type="checkbox"/>                | OTHER: Completion <input checked="" type="checkbox"/> |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/25 - 6/13/2021 Perforated 5900-10963' w/ 1320 holes. Frac w/ 3440 bbls 15% Acid HCL, 24,176 SW, 2139012# 100 Mesh, 1737420# 40/70 WI, 689040# RC. RIH W/ 232 jts 2 7/8' 6.5 tbg @ 4288'. Subpump 456 195 HP 46.5 amp @ 4393'.

Spud Date:

3/31/2021

Rig Release Date:

4/17/2021

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Delilah Flores TITLE Regulatory Technician I DATE 7/14/2021

Type or print name Delilah Flores E-mail address: delilah@mec.com PHONE: 575-748-1288

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------|--------------------------------------------|-----------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------|-----------------------|---------------|
| Submit To Appropriate District Office<br>Two Copies<br><u>District I</u><br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u><br>811 S. First St., Artesia, NM 88210<br><u>District III</u><br>1000 Rio Brazos Rd., Aztec, NM 87410<br><u>District IV</u><br>1220 S. St. Francis Dr., Santa Fe, NM 87505                                                                      |                                           | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> |                                                         |                         | <b>Form C-105</b><br>Revised April 3, 2017 |                                                           |                                              |                                                              |                       |               |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                                                                 |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              | 1. WELL API NO.<br><b>30-025-47400</b>                       |                       |               |
| 4. Reason for filing:<br><input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)<br><br><input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              | 5. Lease Name or Unit Agreement Name<br>Nosler 24 Federal PM |                       |               |
| 7. Type of Completion:<br><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER _____                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              | 6. Well Number:<br><br><b>1H</b>                             |                       |               |
| 8. Name of Operator<br><b>Mack Energy Corporation</b>                                                                                                                                                                                                                                                                                                                                 |                                           |                                                                                                                                                                                       |                                                         |                         |                                            | 9. OGRID<br><b>013837</b>                                 |                                              |                                                              |                       |               |
| 10. Address of Operator<br><b>P.O. Box 960 Artesia, NM 88211-0960</b>                                                                                                                                                                                                                                                                                                                 |                                           |                                                                                                                                                                                       |                                                         |                         |                                            | 11. Pool name or Wildcat<br><b>Fren/Glorieta-Yeso</b>     |                                              |                                                              |                       |               |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                          | Unit Ltr                                  | Section                                                                                                                                                                               | Township                                                | Range                   | Lot                                        | Feet from the                                             | N/S Line                                     | Feet from the                                                | E/W Line              | County        |
| <b>Surface:</b>                                                                                                                                                                                                                                                                                                                                                                       | M                                         | 19                                                                                                                                                                                    | 17S                                                     | 32E                     |                                            | 1320                                                      | South                                        | 745                                                          | West                  | Lea           |
| <b>BH:</b>                                                                                                                                                                                                                                                                                                                                                                            | M                                         | 24                                                                                                                                                                                    | 17S                                                     | 31E                     |                                            | 978                                                       | South                                        | 26                                                           | West                  | Eddy          |
| 13. Date Spudded<br><b>4/1/2021</b>                                                                                                                                                                                                                                                                                                                                                   | 14. Date T.D. Reached<br><b>4/15/2021</b> |                                                                                                                                                                                       | 15. Date Rig Released<br><b>4/17/2021</b>               |                         |                                            | 16. Date Completed (Ready to Produce)<br><b>6/22/2021</b> |                                              | 17. Elevations (DF and RKB, RT, GR, etc.)<br><b>3915'</b>    |                       |               |
| 18. Total Measured Depth of Well<br><b>11050' 5303' TVD</b>                                                                                                                                                                                                                                                                                                                           |                                           |                                                                                                                                                                                       | 19. Plug Back Measured Depth<br><b>11000 - 5303 TVD</b> |                         |                                            | 20. Was Directional Survey Made?<br><b>Yes</b>            |                                              | 21. Type Electric and Other Logs Run<br><b>Submitted</b>     |                       |               |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name<br><b>5900' - 10963' Fren/Glorieta-Yeso</b>                                                                                                                                                                                                                                                                         |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| <b>23. CASING RECORD (Report all strings set in well)</b>                                                                                                                                                                                                                                                                                                                             |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                           |                                           | WEIGHT LB./FT.                                                                                                                                                                        |                                                         | DEPTH SET               |                                            | HOLE SIZE                                                 |                                              | CEMENTING RECORD                                             |                       | AMOUNT PULLED |
| 13 3/8"                                                                                                                                                                                                                                                                                                                                                                               |                                           | 48#                                                                                                                                                                                   |                                                         | 713'                    |                                            | 17 1/2"                                                   |                                              | 1022 sx                                                      |                       |               |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                |                                           | 35#                                                                                                                                                                                   |                                                         | 2347'                   |                                            | 12 1/4"                                                   |                                              | 895 sx                                                       |                       |               |
| 7" & 5 1/2"                                                                                                                                                                                                                                                                                                                                                                           |                                           | 26# & 17#                                                                                                                                                                             |                                                         | 11050'                  |                                            | 8 3/4"                                                    |                                              | 1492 sx                                                      |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| 24. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                                                                                                                                                                       |                                                         |                         |                                            | 25. TUBING RECORD                                         |                                              |                                                              |                       |               |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                  | TOP                                       | BOTTOM                                                                                                                                                                                | SACKS CEMENT                                            | SCREEN                  |                                            | SIZE                                                      | DEPTH SET                                    |                                                              | PACKER SET            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| 26. Perforation record (interval, size, and number)<br><b>5900-10963', .42, 1320 holes</b>                                                                                                                                                                                                                                                                                            |                                           |                                                                                                                                                                                       |                                                         |                         |                                            | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.           |                                              |                                                              |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            | DEPTH INTERVAL                                            |                                              | AMOUNT AND KIND MATERIAL USED                                |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            | 5900-10963'                                               |                                              | 3440 bbls 15% Acid HCL, 242176 bbls SW, 2139012# 100         |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              | mesh, 1737420# 40/70 WI, 689040# 40/70 RC                    |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| Date First Production<br><b>6/29/2021</b>                                                                                                                                                                                                                                                                                                                                             |                                           | Production Method (Flowing, gas lift, pumping - Size and type pump)<br><b>Subpump 456 195 HP</b>                                                                                      |                                                         |                         |                                            | Well Status (Prod. or Shut-in)<br><b>Producing</b>        |                                              |                                                              |                       |               |
| Date of Test<br><b>7/4/2021</b>                                                                                                                                                                                                                                                                                                                                                       | Hours Tested<br><b>24 hrs</b>             | Choke Size                                                                                                                                                                            | Prod'n For Test Period                                  | Oil - Bbl<br><b>14</b>  | Gas - MCF<br><b>130</b>                    | Water - Bbl.<br><b>1860</b>                               | Gas - Oil Ratio<br><b>9285</b>               |                                                              |                       |               |
| Flow Tubing Press.                                                                                                                                                                                                                                                                                                                                                                    | Casing Pressure                           | Calculated 24-Hour Rate                                                                                                                                                               | Oil - Bbl.<br><b>14</b>                                 | Gas - MCF<br><b>130</b> | Water - Bbl.<br><b>1860</b>                | Oil Gravity - API - (Corr.)<br><b>32.4</b>                |                                              |                                                              |                       |               |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br><b>Sold</b>                                                                                                                                                                                                                                                                                                             |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           | 30. Test Witnessed By<br><b>Robert Chase</b> |                                                              |                       |               |
| 31. List Attachments                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                    |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           | 33. Rig Release Date: <b>4/17/2021</b>       |                                                              |                       |               |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial:                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| Latitude _____ Longitude _____ NAD83                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                                    |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |
| Signature <i>Delilah Flores</i>                                                                                                                                                                                                                                                                                                                                                       |                                           |                                                                                                                                                                                       | Printed Name <b>Delilah Flores</b>                      |                         |                                            | Title <b>Regulatory Technician I</b>                      |                                              |                                                              | Date <b>7/14/2021</b> |               |
| E-mail Address <b>delilah@mec.com</b>                                                                                                                                                                                                                                                                                                                                                 |                                           |                                                                                                                                                                                       |                                                         |                         |                                            |                                                           |                                              |                                                              |                       |               |

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

| Southeastern New Mexico |                  | Northwestern New Mexico |                  |
|-------------------------|------------------|-------------------------|------------------|
| T. Anhy                 | T. Canyon        | T. Ojo Alamo            | T. Penn A"       |
| T. Salt 820             | T. Strawn        | T. Kirtland             | T. Penn. "B"     |
| B. Salt 1827            | T. Atoka         | T. Fruitland            | T. Penn. "C"     |
| T. Yates 1956           | T. Miss          | T. Pictured Cliffs      | T. Penn. "D"     |
| T. 7 Rivers 2328        | T. Devonian      | T. Cliff House          | T. Leadville     |
| T. Queen 2920           | T. Silurian      | T. Menefee              | T. Madison       |
| T. Grayburg 3287        | T. Montoya       | T. Point Lookout        | T. Elbert        |
| T. San Andres 3638      | T. Simpson       | T. Mancos               | T. McCracken     |
| T. Glorieta 5215        | T. McKee         | T. Gallup               | T. Ignacio Otzte |
| T. Paddock Yeso - 5276  | T. Ellenburger   | Base Greenhorn          | T. Granite       |
| T. Blinebry             | T. Gr. Wash      | T. Dakota               |                  |
| T. Tubb                 | T. Delaware Sand | T. Morrison             |                  |
| T. Drinkard             | T. Bone Springs  | T. Todilto              |                  |
| T. Abo                  | T.               | T. Entrada              |                  |
| T. Wolfcamp             | T.               | T. Wingate              |                  |
| T. Penn                 | T.               | T. Chinle               |                  |
| T. Cisco (Bough C)      | T.               | T. Permian              |                  |

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 36447

**ACKNOWLEDGMENTS**

|                                                                        |                                                    |
|------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MACK ENERGY CORP<br>P.O. Box 960<br>Artesia, NM 882110960 | OGRID:<br>13837                                    |
|                                                                        | Action Number:<br>36447                            |
|                                                                        | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

|                                     |                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.     |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 36447

CONDITIONS

|                                                                        |                                                    |
|------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MACK ENERGY CORP<br>P.O. Box 960<br>Artesia, NM 882110960 | OGRID:<br>13837                                    |
|                                                                        | Action Number:<br>36447                            |
|                                                                        | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| ksimmons   | None      | 9/7/2021       |