

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>Ascent Energy, LLC<br>P.O. Box 270983<br>Littleton, CO 80127 |                                                            | <sup>2</sup> OGRID Number: 325830                         |                                  |
|                                                                                                        |                                                            | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW |                                  |
| <sup>4</sup> API Number<br>30 – 025-46498                                                              | <sup>5</sup> Pool Name<br>WC-025 G-8 S213304D; Bone Spring |                                                           | <sup>6</sup> Pool Code<br>97895  |
| <sup>7</sup> Property Code                                                                             | <sup>8</sup> Property Name<br>Big Moose Fed Com            |                                                           | <sup>9</sup> Well Number<br>505H |

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             | 1       | 21 S     | 323 E |         | 338’          | South            | 955’          | West           | Lea    |

<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 |
|-----------------------------|---------------------------------------------|--------------------------------------|-----------------------------------|---------|------------------------------------|------------------|-------------------------------------|----------------|--------|
| D                           | 13                                          | 21 S                                 | 32E                               |         | 1279’                              | South            | 1258’                               | West           | Lea    |
| <sup>12</sup> Lse Code<br>S | <sup>13</sup> Producing Method<br>Code<br>F | <sup>14</sup> Gas Connection<br>Date | <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 |
|------------------------------------|-----------------------------------------------|---------------------|
| 372603                             | 3 Bear Delaware Operating – NM. LLC           | O                   |
|                                    |                                               |                     |
| 372603                             | 3 Bear Delaware Operating – NM. LLC           | G                   |
|                                    |                                               |                     |
| 372603                             | 3 Bear Delaware Operating – NM. LLC           | W                   |
|                                    |                                               |                     |
|                                    |                                               |                     |
|                                    |                                               |                     |

IV. Well Completion Data

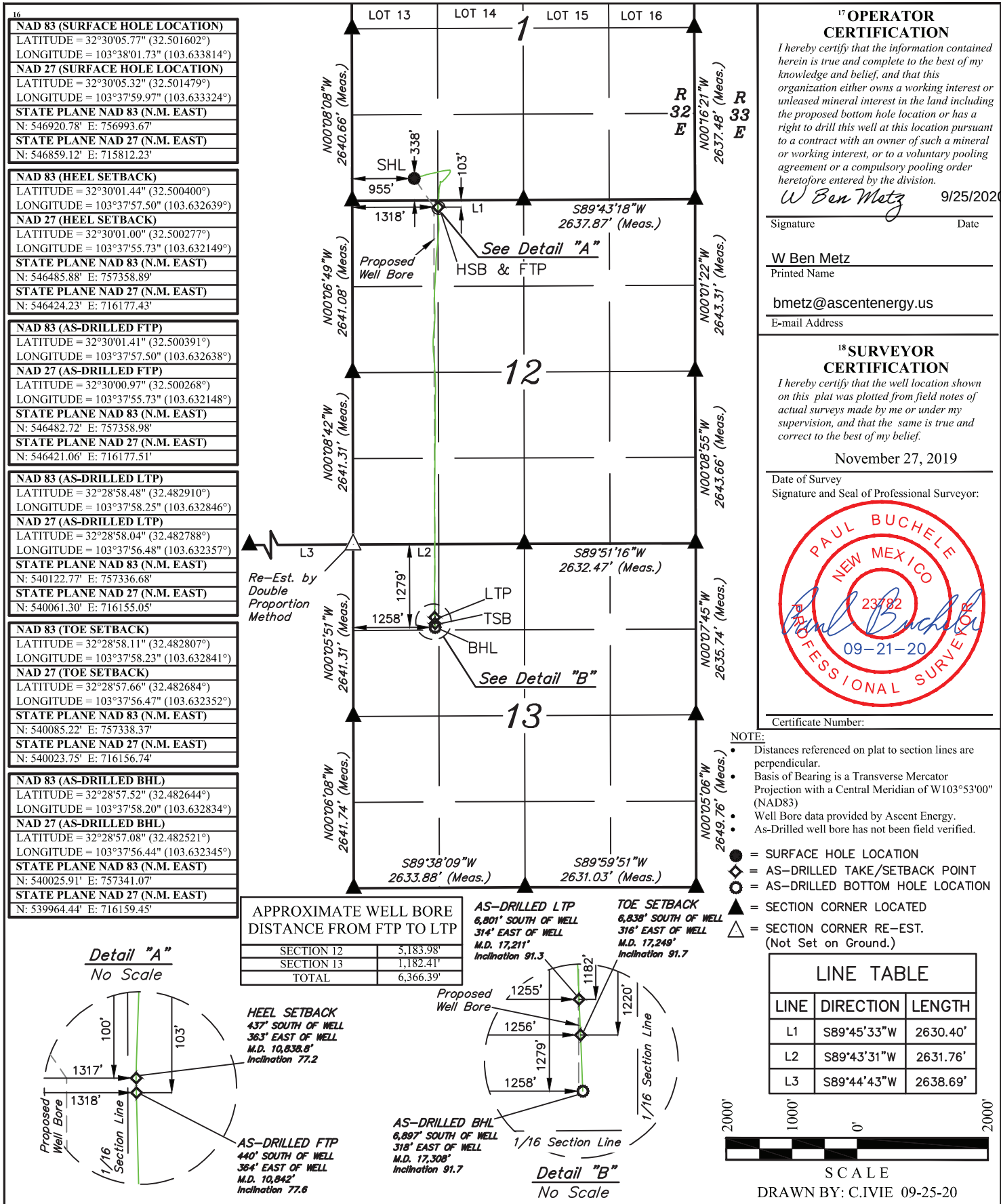
|                                       |                                      |                                    |                              |                                             |                            |
|---------------------------------------|--------------------------------------|------------------------------------|------------------------------|---------------------------------------------|----------------------------|
| <sup>21</sup> Spud Date<br>12/31/2019 | <sup>22</sup> Ready Date<br>9/2/2020 | <sup>23</sup> TD<br>17308’         | <sup>24</sup> PBTD<br>17298’ | <sup>25</sup> Perforations<br>10842’-17211’ | <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 |
| 17.5”                                 |                                      | 13-3/8”                            |                              | 1599’                                       | 1300 sx                    |
| 12.25”                                |                                      | 9-5/8”                             |                              | 3200’                                       | 1135 sx                    |
| 8.75”                                 |                                      | 7-5/8”                             |                              | 5641’                                       | 530 sx                     |
| 6.75”                                 |                                      | 5-1/2”                             |                              | 17298’                                      | 830 sx                     |

V. Well Test Data

|                                                                                                                                                                                                                                                               |                                              |                                      |                                    |                             |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|------------------------------------|-----------------------------|----------------------------------------|
| <sup>31</sup> Date New Oil<br>9/14/2020                                                                                                                                                                                                                       | <sup>32</sup> Gas Delivery Date<br>9/14/2020 | <sup>33</sup> Test Date<br>9/20/2020 | <sup>34</sup> Test Length<br>24 hr | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure<br>885 psi |
| <sup>37</sup> Choke Size<br>42/64                                                                                                                                                                                                                             | <sup>38</sup> Oil<br>941                     | <sup>39</sup> Water<br>5073          | <sup>40</sup> Gas<br>530           |                             | <sup>41</sup> Test Method<br>Flowing   |
| <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: <i>W Ben Metz</i> electronic signature |                                              |                                      | OIL CONSERVATION DIVISION          |                             |                                        |
| Printed name: Ben Metz                                                                                                                                                                                                                                        |                                              |                                      | Approved by: KURT SIMMONS          |                             |                                        |
| Title: VP Exploration                                                                                                                                                                                                                                         |                                              |                                      | Title: NMOCD, SANTA FE             |                             |                                        |
|                                                                                                                                                                                                                                                               |                                              |                                      | Approval Date: 06/11/2021          |                             |                                        |
| E-mail Address:<br>bmetz@ascentenergy.us                                                                                                                                                                                                                      |                                              |                                      |                                    |                             |                                        |
| Date:<br>11/12/2020                                                                                                                                                                                                                                           |                                              | Phone:<br>303.513.8590               |                                    |                             |                                        |

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

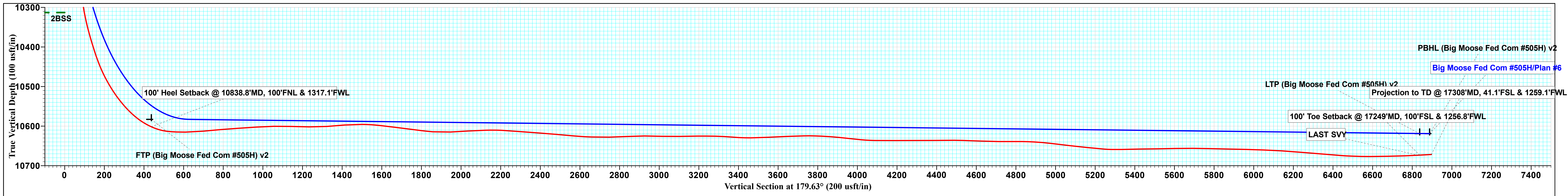
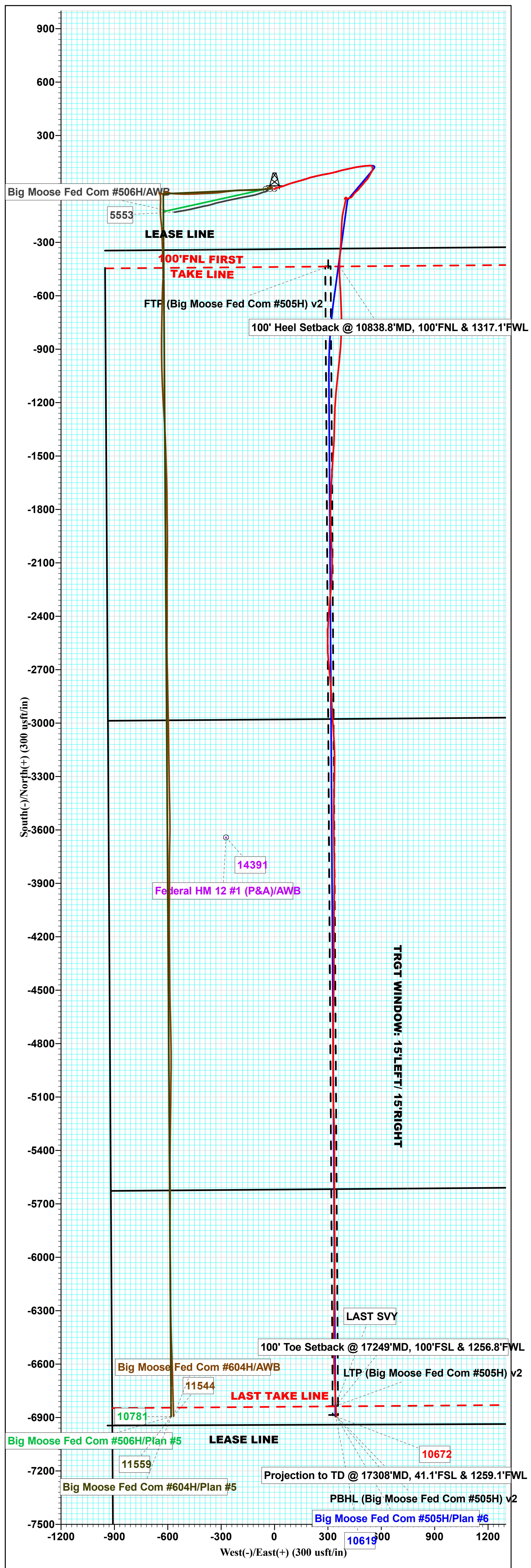
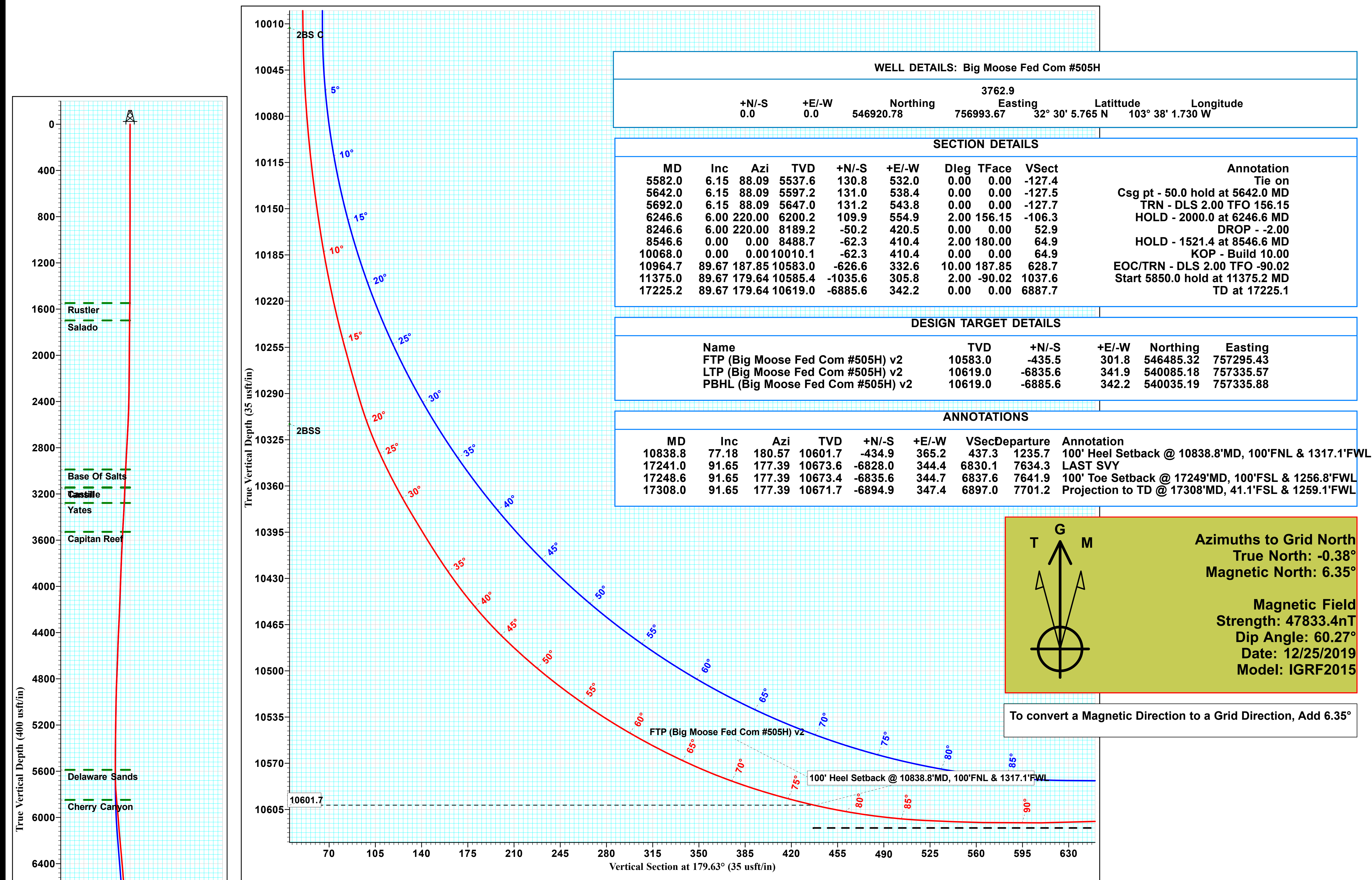
☐ AMENDED REPORT







Ascent Energy, LLC  
Project: Lea County (NAD 83 NME GN)  
Site: (Big Moose) Sec-1 T-21-S R-34-E  
Well: Big Moose Fed Com #505H  
Wellbore: OWB  
Design: AWB  
Lat: 32° 30' 5.765 N  
Long: 103° 38' 1.730 W  
Pad GL: 3762.9  
KB: KB @ 3787.9usft (Precision 553)







# **Ascent Energy, LLC**

**Lea County (NAD 83 NME GN)  
(Big Moose) Sec-1\_T-21-S\_R-34-E  
Big Moose Fed Com #505H**

**OWB**

**Design: AWB**

## **Standard Survey Report**

**03 March, 2020**





# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <b>Database:</b>                    | EDM 5000.15 Single User Db      |

|                    |                            |                      |                |
|--------------------|----------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County (NAD 83 NME GN) |                      |                |
| <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    |                      |                |

|                              |                                 |                          |                  |
|------------------------------|---------------------------------|--------------------------|------------------|
| <b>Site</b>                  | (Big Moose) Sec-1_T-21-S_R-34-E |                          |                  |
| <b>Site Position:</b>        |                                 | <b>Northing:</b>         | 546,920.78 usft  |
| <b>From:</b>                 | Map                             | <b>Easting:</b>          | 756,993.67 usft  |
| <b>Position Uncertainty:</b> | 0.0 usft                        | <b>Slot Radius:</b>      | 13-3/16 "        |
|                              |                                 | <b>Latitude:</b>         | 32° 30' 5.765 N  |
|                              |                                 | <b>Longitude:</b>        | 103° 38' 1.730 W |
|                              |                                 | <b>Grid Convergence:</b> | 0.38 °           |

|                             |                         |                            |                                  |
|-----------------------------|-------------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Big Moose Fed Com #505H |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b>            | 0.0 usft                   | <b>Northing:</b> 546,920.78 usft |
|                             | <b>+E/-W</b>            | 0.0 usft                   | <b>Easting:</b> 756,993.67 usft  |
| <b>Position Uncertainty</b> | 0.0 usft                | <b>Wellhead Elevation:</b> | usft                             |
|                             |                         | <b>Latitude:</b>           | 32° 30' 5.765 N                  |
|                             |                         | <b>Longitude:</b>          | 103° 38' 1.730 W                 |
|                             |                         | <b>Ground Level:</b>       | 3,762.9 usft                     |

|                  |                   |                    |                                            |
|------------------|-------------------|--------------------|--------------------------------------------|
| <b>Wellbore</b>  | OWB               |                    |                                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b>                     |
|                  | IGRF2015          | 12/25/19           | 6.73                                       |
|                  |                   |                    | <b>Dip Angle (°)</b> 60.27                 |
|                  |                   |                    | <b>Field Strength (nT)</b> 47,833.38835056 |

|                          |                                |                      |                             |
|--------------------------|--------------------------------|----------------------|-----------------------------|
| <b>Design</b>            | AWB                            |                      |                             |
| <b>Audit Notes:</b>      |                                |                      |                             |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>        | ACTUAL                      |
|                          |                                | <b>Tie On Depth:</b> | 0.0                         |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b>  | <b>+E/-W (usft)</b>         |
|                          | 0.0                            | 0.0                  | 0.0                         |
|                          |                                |                      | <b>Direction (°)</b> 179.63 |

|                       |                  |                          |                  |                     |
|-----------------------|------------------|--------------------------|------------------|---------------------|
| <b>Survey Program</b> | <b>Date</b>      | 03/03/20                 |                  |                     |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>  |
| 199.0                 | 17,308.0         | Intrepid MWD (OWB)       | MWD              | OWSG 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 (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |
| 0.0                          | 0.00                   | 0.00               | 0.0                          | 0.0                 | 0.0                 | 0.0                            | 0.00                           | 0.00                          | 0.00                         |
| 199.0                        | 0.26                   | 274.24             | 199.0                        | 0.0                 | -0.5                | 0.0                            | 0.13                           | 0.13                          | 0.00                         |
| 258.0                        | 0.40                   | 259.91             | 258.0                        | 0.0                 | -0.8                | 0.0                            | 0.27                           | 0.24                          | -24.29                       |
| 317.0                        | 0.62                   | 278.64             | 317.0                        | 0.0                 | -1.3                | 0.0                            | 0.46                           | 0.37                          | 31.75                        |
| 406.0                        | 0.62                   | 306.85             | 406.0                        | 0.4                 | -2.2                | -0.4                           | 0.34                           | 0.00                          | 31.70                        |
| 493.0                        | 0.26                   | 187.05             | 493.0                        | 0.5                 | -2.6                | -0.5                           | 0.90                           | -0.41                         | -137.70                      |
| 582.0                        | 0.48                   | 107.42             | 582.0                        | 0.2                 | -2.2                | -0.2                           | 0.57                           | 0.25                          | -89.47                       |
| 677.0                        | 0.40                   | 118.94             | 677.0                        | -0.1                | -1.6                | 0.1                            | 0.13                           | -0.08                         | 12.13                        |
| 769.0                        | 0.44                   | 51.88              | 769.0                        | -0.1                | -1.0                | 0.1                            | 0.51                           | 0.04                          | -72.89                       |
| 862.0                        | 0.53                   | 70.25              | 862.0                        | 0.3                 | -0.3                | -0.3                           | 0.19                           | 0.10                          | 19.75                        |



# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <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 (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 954.0                 | 0.62            | 94.94       | 954.0                 | 0.4          | 0.6          | -0.4                    | 0.28                    | 0.10                   | 26.84                 |
| 1,046.0               | 0.57            | 80.71       | 1,046.0               | 0.4          | 1.5          | -0.4                    | 0.17                    | -0.05                  | -15.47                |
| 1,137.0               | 0.62            | 84.22       | 1,137.0               | 0.6          | 2.5          | -0.5                    | 0.07                    | 0.05                   | 3.86                  |
| 1,228.0               | 0.48            | 59.44       | 1,228.0               | 0.8          | 3.3          | -0.8                    | 0.30                    | -0.15                  | -27.23                |
| 1,319.0               | 0.35            | 70.16       | 1,319.0               | 1.1          | 3.9          | -1.1                    | 0.17                    | -0.14                  | 11.78                 |
| 1,411.0               | 0.26            | 218.17      | 1,411.0               | 1.0          | 4.0          | -1.0                    | 0.64                    | -0.10                  | 160.88                |
| 1,504.0               | 0.44            | 341.74      | 1,504.0               | 1.2          | 3.8          | -1.2                    | 0.67                    | 0.19                   | 132.87                |
| 1,542.0               | 0.57            | 31.31       | 1,542.0               | 1.5          | 3.8          | -1.5                    | 1.16                    | 0.34                   | 130.45                |
| 1,548.0               | 0.60            | 32.14       | 1,548.0               | 1.5          | 3.8          | -1.5                    | 0.45                    | 0.43                   | 13.66                 |
| <b>Rustler</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,672.0               | 1.14            | 40.63       | 1,671.9               | 3.0          | 5.0          | -3.0                    | 0.45                    | 0.44                   | 6.85                  |
| 1,698.1               | 1.22            | 45.43       | 1,698.0               | 3.4          | 5.4          | -3.4                    | 0.48                    | 0.30                   | 18.42                 |
| <b>Salado</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,766.0               | 1.45            | 55.31       | 1,765.9               | 4.4          | 6.6          | -4.4                    | 0.48                    | 0.34                   | 14.54                 |
| 1,859.0               | 1.41            | 73.85       | 1,858.9               | 5.4          | 8.6          | -5.3                    | 0.50                    | -0.04                  | 19.94                 |
| 1,951.0               | 1.32            | 66.47       | 1,950.9               | 6.1          | 10.7         | -6.1                    | 0.21                    | -0.10                  | -8.02                 |
| 2,043.0               | 1.05            | 79.48       | 2,042.8               | 6.7          | 12.5         | -6.6                    | 0.41                    | -0.29                  | 14.14                 |
| 2,138.0               | 1.89            | 79.21       | 2,137.8               | 7.2          | 14.9         | -7.1                    | 0.88                    | 0.88                   | -0.28                 |
| 2,230.0               | 3.21            | 77.54       | 2,229.7               | 8.0          | 18.9         | -7.9                    | 1.44                    | 1.43                   | -1.82                 |
| 2,323.0               | 4.40            | 77.28       | 2,322.5               | 9.4          | 24.9         | -9.2                    | 1.28                    | 1.28                   | -0.28                 |
| 2,416.0               | 5.45            | 76.57       | 2,415.2               | 11.2         | 32.7         | -11.0                   | 1.13                    | 1.13                   | -0.76                 |
| 2,509.0               | 6.64            | 71.56       | 2,507.6               | 13.9         | 42.1         | -13.6                   | 1.40                    | 1.28                   | -5.39                 |
| 2,603.0               | 7.56            | 69.98       | 2,600.9               | 17.7         | 53.1         | -17.4                   | 1.00                    | 0.98                   | -1.68                 |
| 2,695.0               | 9.63            | 68.84       | 2,691.9               | 22.6         | 65.9         | -22.2                   | 2.26                    | 2.25                   | -1.24                 |
| 2,787.0               | 10.46           | 71.65       | 2,782.5               | 28.0         | 81.0         | -27.5                   | 1.05                    | 0.90                   | 3.05                  |
| 2,879.0               | 10.02           | 72.88       | 2,873.0               | 33.0         | 96.6         | -32.3                   | 0.53                    | -0.48                  | 1.34                  |
| 2,972.0               | 9.76            | 72.80       | 2,964.6               | 37.7         | 111.9        | -37.0                   | 0.28                    | -0.28                  | -0.09                 |
| 2,995.7               | 9.69            | 73.47       | 2,988.0               | 38.8         | 115.7        | -38.1                   | 0.56                    | -0.30                  | 2.83                  |
| <b>Base Of Salts</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,066.0               | 9.49            | 75.52       | 3,057.3               | 42.0         | 127.0        | -41.2                   | 0.56                    | -0.28                  | 2.91                  |
| 3,136.0               | 9.05            | 75.61       | 3,126.4               | 44.8         | 137.9        | -43.9                   | 0.63                    | -0.63                  | 0.13                  |
| 3,152.8               | 8.96            | 75.46       | 3,143.0               | 45.4         | 140.5        | -44.5                   | 0.53                    | -0.51                  | -0.90                 |
| <b>Castille</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,155.9               | 8.95            | 75.43       | 3,146.0               | 45.6         | 140.9        | -44.7                   | 0.53                    | -0.51                  | -0.91                 |
| <b>Tansil</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,255.0               | 8.44            | 74.47       | 3,244.0               | 49.5         | 155.4        | -48.5                   | 0.53                    | -0.51                  | -0.97                 |
| 3,289.4               | 8.99            | 73.28       | 3,278.0               | 50.9         | 160.4        | -49.9                   | 1.68                    | 1.59                   | -3.45                 |
| <b>Yates</b>          |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,348.0               | 9.93            | 71.56       | 3,335.8               | 53.8         | 169.6        | -52.7                   | 1.68                    | 1.61                   | -2.94                 |
| 3,442.0               | 10.77           | 70.60       | 3,428.3               | 59.3         | 185.5        | -58.1                   | 0.91                    | 0.89                   | -1.02                 |
| 3,536.0               | 11.30           | 75.52       | 3,520.5               | 64.5         | 202.7        | -63.2                   | 1.15                    | 0.56                   | 5.23                  |
| 3,543.6               | 11.34           | 75.62       | 3,528.0               | 64.9         | 204.2        | -63.6                   | 0.54                    | 0.47                   | 1.37                  |
| <b>Capitan Reef</b>   |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,629.0               | 11.74           | 76.75       | 3,611.7               | 69.0         | 220.8        | -67.5                   | 0.54                    | 0.47                   | 1.32                  |
| 3,722.0               | 12.35           | 76.49       | 3,702.6               | 73.5         | 239.7        | -71.9                   | 0.66                    | 0.66                   | -0.28                 |



# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <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 (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 3,815.0               | 12.66           | 77.63       | 3,793.4               | 78.0         | 259.3        | -76.3                   | 0.43                    | 0.33                   | 1.23                  |
| 3,908.0               | 11.56           | 81.14       | 3,884.4               | 81.6         | 278.4        | -79.8                   | 1.42                    | -1.18                  | 3.77                  |
| 4,000.0               | 10.07           | 78.68       | 3,974.7               | 84.6         | 295.4        | -82.7                   | 1.70                    | -1.62                  | -2.67                 |
| 4,093.0               | 9.76            | 79.56       | 4,066.3               | 87.6         | 311.2        | -85.6                   | 0.37                    | -0.33                  | 0.95                  |
| 4,187.0               | 10.20           | 76.22       | 4,158.9               | 91.0         | 327.1        | -88.9                   | 0.77                    | 0.47                   | -3.55                 |
| 4,280.0               | 9.49            | 74.90       | 4,250.5               | 95.0         | 342.5        | -92.8                   | 0.80                    | -0.76                  | -1.42                 |
| 4,373.0               | 9.85            | 73.67       | 4,342.2               | 99.2         | 357.5        | -96.9                   | 0.45                    | 0.39                   | -1.32                 |
| 4,467.0               | 10.59           | 74.64       | 4,434.7               | 103.8        | 373.6        | -101.4                  | 0.81                    | 0.79                   | 1.03                  |
| 4,561.0               | 9.93            | 78.86       | 4,527.2               | 107.6        | 389.8        | -105.1                  | 1.06                    | -0.70                  | 4.49                  |
| 4,653.0               | 9.98            | 77.89       | 4,617.8               | 110.8        | 405.4        | -108.2                  | 0.19                    | 0.05                   | -1.05                 |
| 4,746.0               | 10.11           | 77.98       | 4,709.4               | 114.2        | 421.3        | -111.5                  | 0.14                    | 0.14                   | 0.10                  |
| 4,839.0               | 10.59           | 75.96       | 4,800.9               | 118.0        | 437.6        | -115.2                  | 0.65                    | 0.52                   | -2.17                 |
| 4,931.0               | 8.88            | 79.56       | 4,891.6               | 121.3        | 452.7        | -118.4                  | 1.97                    | -1.86                  | 3.91                  |
| 5,025.0               | 7.47            | 82.81       | 4,984.6               | 123.4        | 465.9        | -120.4                  | 1.58                    | -1.50                  | 3.46                  |
| 5,118.0               | 7.34            | 80.35       | 5,076.8               | 125.2        | 477.8        | -122.1                  | 0.37                    | -0.14                  | -2.65                 |
| 5,211.0               | 7.30            | 82.29       | 5,169.1               | 127.0        | 489.5        | -123.8                  | 0.27                    | -0.04                  | 2.09                  |
| 5,303.0               | 7.47            | 84.13       | 5,260.3               | 128.4        | 501.2        | -125.1                  | 0.32                    | 0.18                   | 2.00                  |
| 5,395.0               | 6.24            | 84.48       | 5,351.7               | 129.4        | 512.2        | -126.1                  | 1.34                    | -1.34                  | 0.38                  |
| 5,489.0               | 6.02            | 85.89       | 5,445.1               | 130.3        | 522.2        | -126.9                  | 0.28                    | -0.23                  | 1.50                  |
| 5,582.0               | 6.15            | 88.09       | 5,537.6               | 130.8        | 532.0        | -127.4                  | 0.29                    | 0.14                   | 2.37                  |
| 5,632.7               | 5.48            | 89.21       | 5,588.0               | 130.9        | 537.1        | -127.5                  | 1.35                    | -1.33                  | 2.20                  |
| <b>Delaware Sands</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,704.0               | 4.53            | 91.34       | 5,659.1               | 130.9        | 543.4        | -127.4                  | 1.35                    | -1.33                  | 2.99                  |
| 5,794.0               | 4.35            | 153.39      | 5,748.8               | 127.8        | 548.5        | -124.2                  | 5.08                    | -0.20                  | 68.94                 |
| 5,883.0               | 5.05            | 173.43      | 5,837.5               | 120.9        | 550.4        | -117.3                  | 1.99                    | 0.79                   | 22.52                 |
| 5,893.5               | 5.09            | 173.64      | 5,848.0               | 119.9        | 550.5        | -116.4                  | 0.44                    | 0.40                   | 1.99                  |
| <b>Cherry Canyon</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,972.0               | 5.41            | 175.10      | 5,926.2               | 112.8        | 551.2        | -109.2                  | 0.44                    | 0.40                   | 1.86                  |
| 6,061.0               | 4.22            | 194.00      | 6,014.9               | 105.4        | 550.8        | -101.9                  | 2.21                    | -1.34                  | 21.24                 |
| 6,151.0               | 5.89            | 212.81      | 6,104.5               | 98.3         | 547.5        | -94.8                   | 2.59                    | 1.86                   | 20.90                 |
| 6,241.0               | 5.98            | 211.75      | 6,194.0               | 90.5         | 542.5        | -87.0                   | 0.16                    | 0.10                   | -1.18                 |
| 6,330.0               | 5.89            | 209.55      | 6,282.6               | 82.6         | 537.8        | -79.1                   | 0.27                    | -0.10                  | -2.47                 |
| 6,420.0               | 5.71            | 207.44      | 6,372.1               | 74.6         | 533.5        | -71.1                   | 0.31                    | -0.20                  | -2.34                 |
| 6,509.0               | 5.45            | 206.04      | 6,460.7               | 66.8         | 529.6        | -63.4                   | 0.33                    | -0.29                  | -1.57                 |
| 6,598.0               | 5.10            | 217.38      | 6,549.3               | 59.9         | 525.3        | -56.5                   | 1.23                    | -0.39                  | 12.74                 |
| 6,688.0               | 4.88            | 223.35      | 6,639.0               | 53.9         | 520.3        | -50.6                   | 0.63                    | -0.24                  | 6.63                  |
| 6,777.0               | 4.97            | 219.75      | 6,727.6               | 48.2         | 515.2        | -44.9                   | 0.36                    | 0.10                   | -4.04                 |
| 6,866.0               | 4.88            | 219.75      | 6,816.3               | 42.3         | 510.3        | -39.0                   | 0.10                    | -0.10                  | 0.00                  |
| 6,956.0               | 4.70            | 220.63      | 6,906.0               | 36.6         | 505.5        | -33.3                   | 0.22                    | -0.20                  | 0.98                  |
| 6,965.0               | 4.67            | 220.53      | 6,915.0               | 36.0         | 505.0        | -32.8                   | 0.35                    | -0.34                  | -1.12                 |
| <b>Brushy Canyon</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,045.0               | 4.40            | 219.57      | 6,994.7               | 31.2         | 500.9        | -28.0                   | 0.35                    | -0.34                  | -1.20                 |
| 7,134.0               | 4.57            | 219.84      | 7,083.4               | 25.8         | 496.5        | -22.6                   | 0.19                    | 0.19                   | 0.30                  |
| 7,224.0               | 4.35            | 222.03      | 7,173.2               | 20.6         | 491.9        | -17.4                   | 0.31                    | -0.24                  | 2.43                  |



# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <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 (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 7,313.0                 | 4.44            | 223.00      | 7,261.9               | 15.5         | 487.3        | -12.4                   | 0.13                    | 0.10                   | 1.09                  |
| 7,402.0                 | 4.57            | 220.54      | 7,350.6               | 10.3         | 482.6        | -7.2                    | 0.26                    | 0.15                   | -2.76                 |
| 7,492.0                 | 4.35            | 219.57      | 7,440.4               | 5.0          | 478.1        | -1.9                    | 0.26                    | -0.24                  | -1.08                 |
| 7,582.0                 | 5.01            | 214.30      | 7,530.1               | -0.9         | 473.7        | 4.0                     | 0.87                    | 0.73                   | -5.86                 |
| 7,671.0                 | 5.76            | 229.68      | 7,618.7               | -7.0         | 468.1        | 10.0                    | 1.82                    | 0.84                   | 17.28                 |
| 7,760.0                 | 5.36            | 228.89      | 7,707.2               | -12.6        | 461.6        | 15.6                    | 0.46                    | -0.45                  | -0.89                 |
| 7,850.0                 | 4.57            | 225.20      | 7,796.9               | -17.9        | 455.9        | 20.9                    | 0.95                    | -0.88                  | -4.10                 |
| 7,939.0                 | 4.22            | 221.15      | 7,885.6               | -22.9        | 451.2        | 25.8                    | 0.53                    | -0.39                  | -4.55                 |
| 8,029.0                 | 4.22            | 221.15      | 7,975.4               | -27.9        | 446.9        | 30.8                    | 0.00                    | 0.00                   | 0.00                  |
| 8,118.0                 | 4.04            | 217.29      | 8,064.2               | -32.8        | 442.8        | 35.7                    | 0.37                    | -0.20                  | -4.34                 |
| 8,208.0                 | 4.35            | 217.73      | 8,153.9               | -38.1        | 438.8        | 40.9                    | 0.35                    | 0.34                   | 0.49                  |
| 8,297.0                 | 4.53            | 214.74      | 8,242.7               | -43.6        | 434.7        | 46.4                    | 0.33                    | 0.20                   | -3.36                 |
| 8,387.0                 | 3.78            | 244.80      | 8,332.4               | -47.8        | 430.0        | 50.6                    | 2.52                    | -0.83                  | 33.40                 |
| 8,476.0                 | 3.56            | 254.90      | 8,421.3               | -49.8        | 424.7        | 52.5                    | 0.77                    | -0.25                  | 11.35                 |
| 8,566.0                 | 3.43            | 254.11      | 8,511.1               | -51.2        | 419.4        | 53.9                    | 0.15                    | -0.14                  | -0.88                 |
| 8,655.0                 | 2.59            | 255.08      | 8,600.0               | -52.5        | 414.9        | 55.2                    | 0.95                    | -0.94                  | 1.09                  |
| 8,745.0                 | 2.59            | 251.83      | 8,689.9               | -53.6        | 411.0        | 56.3                    | 0.16                    | 0.00                   | -3.61                 |
| 8,833.2                 | 2.46            | 252.96      | 8,778.0               | -54.8        | 407.3        | 57.4                    | 0.16                    | -0.15                  | 1.28                  |
| <b>Bone Spring Lime</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,834.0                 | 2.46            | 252.97      | 8,778.8               | -54.8        | 407.3        | 57.5                    | 0.16                    | -0.15                  | 1.35                  |
| 8,922.0                 | 2.07            | 255.78      | 8,866.7               | -55.8        | 403.9        | 58.4                    | 0.46                    | -0.44                  | 3.19                  |
| 8,933.3                 | 2.00            | 255.90      | 8,878.0               | -55.9        | 403.5        | 58.5                    | 0.59                    | -0.59                  | 1.05                  |
| <b>Avalon</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,012.0                 | 1.54            | 257.01      | 8,956.7               | -56.4        | 401.2        | 59.0                    | 0.59                    | -0.59                  | 1.41                  |
| 9,101.0                 | 1.23            | 275.73      | 9,045.6               | -56.6        | 399.1        | 59.2                    | 0.61                    | -0.35                  | 21.03                 |
| 9,168.4                 | 1.16            | 282.14      | 9,113.0               | -56.4        | 397.7        | 59.0                    | 0.22                    | -0.10                  | 9.51                  |
| <b>Leo B</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,190.0                 | 1.14            | 284.35      | 9,134.6               | -56.3        | 397.3        | 58.9                    | 0.22                    | -0.09                  | 10.24                 |
| 9,279.0                 | 0.75            | 291.12      | 9,223.6               | -55.9        | 395.9        | 58.4                    | 0.46                    | -0.44                  | 7.61                  |
| 9,369.0                 | 0.31            | 241.11      | 9,313.6               | -55.8        | 395.1        | 58.3                    | 0.67                    | -0.49                  | -55.57                |
| 9,458.0                 | 1.14            | 348.60      | 9,402.6               | -55.0        | 394.7        | 57.6                    | 1.42                    | 0.93                   | 120.78                |
| 9,548.0                 | 1.67            | 19.97       | 9,492.6               | -52.9        | 395.0        | 55.5                    | 1.02                    | 0.59                   | 34.86                 |
| 9,637.0                 | 1.76            | 64.36       | 9,581.5               | -51.1        | 396.6        | 53.7                    | 1.46                    | 0.10                   | 49.88                 |
| 9,726.0                 | 1.41            | 47.83       | 9,670.5               | -49.8        | 398.7        | 52.4                    | 0.64                    | -0.39                  | -18.57                |
| 9,800.5                 | 1.11            | 51.20       | 9,745.0               | -48.7        | 399.9        | 51.3                    | 0.41                    | -0.40                  | 4.52                  |
| <b>1 BS S</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,816.0                 | 1.05            | 52.14       | 9,760.5               | -48.5        | 400.2        | 51.1                    | 0.41                    | -0.40                  | 6.07                  |
| 9,905.0                 | 0.57            | 53.37       | 9,849.5               | -47.8        | 401.2        | 50.4                    | 0.54                    | -0.54                  | 1.38                  |
| 9,995.0                 | 0.75            | 80.27       | 9,939.5               | -47.4        | 402.1        | 50.0                    | 0.39                    | 0.20                   | 29.89                 |
| 10,044.0                | 0.44            | 97.58       | 9,988.5               | -47.4        | 402.6        | 50.0                    | 0.72                    | -0.63                  | 35.33                 |
| 10,068.5                | 1.00            | 156.67      | 10,013.0              | -47.6        | 402.8        | 50.2                    | 3.50                    | 2.27                   | 240.86                |
| <b>2BS C</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,089.0                | 1.67            | 167.54      | 10,033.5              | -48.0        | 402.9        | 50.6                    | 3.50                    | 3.29                   | 53.12                 |
| 10,134.0                | 4.79            | 202.43      | 10,078.4              | -50.4        | 402.3        | 53.0                    | 7.89                    | 6.93                   | 77.53                 |





# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <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 (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,179.0                                                        | 6.77            | 187.93      | 10,123.2              | -54.8        | 401.3        | 57.4                    | 5.43                    | 4.40                   | -32.22                |
| 10,223.0                                                        | 8.92            | 189.69      | 10,166.7              | -60.7        | 400.3        | 63.3                    | 4.92                    | 4.89                   | 4.00                  |
| 10,268.0                                                        | 12.00           | 189.51      | 10,211.0              | -68.8        | 399.0        | 71.3                    | 6.84                    | 6.84                   | -0.40                 |
| 10,310.0                                                        | 15.25           | 193.64      | 10,251.8              | -78.4        | 396.9        | 81.0                    | 8.07                    | 7.74                   | 9.83                  |
| 10,355.0                                                        | 17.05           | 192.24      | 10,295.0              | -90.6        | 394.1        | 93.2                    | 4.09                    | 4.00                   | -3.11                 |
| 10,374.0                                                        | 20.54           | 191.87      | 10,313.0              | -96.6        | 392.9        | 99.2                    | 18.39                   | 18.38                  | -1.93                 |
| <b>2BSS</b>                                                     |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,399.0                                                        | 25.14           | 191.54      | 10,336.0              | -106.1       | 390.9        | 108.6                   | 18.39                   | 18.39                  | -1.33                 |
| 10,444.0                                                        | 31.03           | 193.47      | 10,375.7              | -126.8       | 386.3        | 129.3                   | 13.24                   | 13.09                  | 4.29                  |
| 10,489.0                                                        | 33.10           | 188.02      | 10,413.9              | -150.2       | 381.9        | 152.7                   | 7.90                    | 4.60                   | -12.11                |
| 10,534.0                                                        | 39.69           | 183.89      | 10,450.1              | -176.8       | 379.2        | 179.2                   | 15.62                   | 14.64                  | -9.18                 |
| 10,578.0                                                        | 47.21           | 182.57      | 10,482.0              | -207.0       | 377.5        | 209.4                   | 17.21                   | 17.09                  | -3.00                 |
| 10,623.0                                                        | 52.40           | 182.13      | 10,511.0              | -241.3       | 376.1        | 243.7                   | 11.56                   | 11.53                  | -0.98                 |
| 10,668.0                                                        | 57.89           | 182.39      | 10,536.7              | -278.2       | 374.6        | 280.6                   | 12.21                   | 12.20                  | 0.58                  |
| 10,700.0                                                        | 61.27           | 184.59      | 10,552.9              | -305.7       | 372.9        | 308.1                   | 12.11                   | 10.56                  | 6.88                  |
| 10,744.0                                                        | 66.24           | 185.12      | 10,572.4              | -345.0       | 369.6        | 347.4                   | 11.35                   | 11.30                  | 1.20                  |
| 10,789.0                                                        | 71.96           | 182.92      | 10,588.4              | -386.9       | 366.7        | 389.3                   | 13.51                   | 12.71                  | -4.89                 |
| 10,834.0                                                        | 76.62           | 180.81      | 10,600.6              | -430.2       | 365.3        | 432.6                   | 11.30                   | 10.36                  | -4.69                 |
| 10,838.8                                                        | 77.18           | 180.57      | 10,601.7              | -434.9       | 365.2        | 437.3                   | 12.67                   | 11.67                  | -5.08                 |
| <b>100' Heel Setback @ 10838.8'MD, 100'FNL &amp; 1317.1'FWL</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,923.0                                                        | 87.03           | 176.42      | 10,613.3              | -518.2       | 367.4        | 520.5                   | 12.67                   | 11.70                  | -4.92                 |
| 11,012.0                                                        | 90.59           | 177.56      | 10,615.1              | -607.0       | 372.1        | 609.4                   | 4.20                    | 4.00                   | 1.28                  |
| 11,102.0                                                        | 92.44           | 177.91      | 10,612.7              | -696.9       | 375.7        | 699.3                   | 2.09                    | 2.06                   | 0.39                  |
| 11,191.0                                                        | 92.75           | 181.08      | 10,608.7              | -785.8       | 376.5        | 788.2                   | 3.58                    | 0.35                   | 3.56                  |
| 11,281.0                                                        | 91.43           | 184.24      | 10,605.4              | -875.6       | 372.3        | 878.0                   | 3.80                    | -1.47                  | 3.51                  |
| 11,370.0                                                        | 92.31           | 185.82      | 10,602.5              | -964.2       | 364.5        | 966.6                   | 2.03                    | 0.99                   | 1.78                  |
| 11,460.0                                                        | 90.24           | 186.17      | 10,600.5              | -1,053.7     | 355.1        | 1,056.0                 | 2.33                    | -2.30                  | 0.39                  |
| 11,549.0                                                        | 89.32           | 185.73      | 10,600.9              | -1,142.2     | 345.9        | 1,144.4                 | 1.15                    | -1.03                  | -0.49                 |
| 11,638.0                                                        | 89.23           | 182.48      | 10,602.0              | -1,231.0     | 339.5        | 1,233.1                 | 3.65                    | -0.10                  | -3.65                 |
| 11,728.0                                                        | 92.22           | 180.46      | 10,600.8              | -1,320.9     | 337.2        | 1,323.1                 | 4.01                    | 3.32                   | -2.24                 |
| 11,817.0                                                        | 92.40           | 182.92      | 10,597.3              | -1,409.8     | 334.6        | 1,411.9                 | 2.77                    | 0.20                   | 2.76                  |
| 11,906.0                                                        | 89.67           | 184.33      | 10,595.7              | -1,498.6     | 328.9        | 1,500.7                 | 3.45                    | -3.07                  | 1.58                  |
| 11,996.0                                                        | 86.77           | 182.92      | 10,598.4              | -1,588.4     | 323.2        | 1,590.4                 | 3.58                    | -3.22                  | -1.57                 |
| 12,085.0                                                        | 86.42           | 182.75      | 10,603.7              | -1,677.1     | 318.8        | 1,679.1                 | 0.44                    | -0.39                  | -0.19                 |
| 12,174.0                                                        | 86.29           | 181.87      | 10,609.4              | -1,765.8     | 315.3        | 1,767.8                 | 1.00                    | -0.15                  | -0.99                 |
| 12,264.0                                                        | 87.34           | 179.06      | 10,614.4              | -1,855.7     | 314.5        | 1,857.7                 | 3.33                    | 1.17                   | -3.12                 |
| 12,353.0                                                        | 91.91           | 177.03      | 10,615.0              | -1,944.6     | 317.6        | 1,946.6                 | 5.62                    | 5.13                   | -2.28                 |
| 12,442.0                                                        | 91.47           | 177.21      | 10,612.3              | -2,033.5     | 322.0        | 2,035.5                 | 0.53                    | -0.49                  | 0.20                  |
| 12,531.0                                                        | 90.95           | 180.37      | 10,610.5              | -2,122.4     | 323.9        | 2,124.5                 | 3.60                    | -0.58                  | 3.55                  |
| 12,620.0                                                        | 88.40           | 184.33      | 10,611.0              | -2,211.3     | 320.3        | 2,213.3                 | 5.29                    | -2.87                  | 4.45                  |
| 12,709.0                                                        | 87.69           | 185.65      | 10,614.0              | -2,299.9     | 312.5        | 2,301.9                 | 1.68                    | -0.80                  | 1.48                  |
| 12,799.0                                                        | 88.09           | 183.98      | 10,617.3              | -2,389.5     | 305.0        | 2,391.5                 | 1.91                    | 0.44                   | -1.86                 |
| 12,888.0                                                        | 87.34           | 182.92      | 10,620.9              | -2,478.3     | 299.6        | 2,480.2                 | 1.46                    | -0.84                  | -1.19                 |
| 12,978.0                                                        | 87.60           | 178.53      | 10,624.8              | -2,568.2     | 298.5        | 2,570.1                 | 4.88                    | 0.29                   | -4.88                 |



# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <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 (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 13,067.0              | 88.92           | 174.66      | 10,627.6              | -2,657.0     | 303.8        | 2,658.9                 | 4.59                    | 1.48                   | -4.35                 |
| 13,156.0              | 90.51           | 174.48      | 10,628.0              | -2,745.6     | 312.2        | 2,747.5                 | 1.80                    | 1.79                   | -0.20                 |
| 13,246.0              | 91.74           | 176.86      | 10,626.2              | -2,835.3     | 319.0        | 2,837.3                 | 2.98                    | 1.37                   | 2.64                  |
| 13,335.0              | 89.85           | 177.21      | 10,625.0              | -2,924.1     | 323.6        | 2,926.2                 | 2.16                    | -2.12                  | 0.39                  |
| 13,424.0              | 89.05           | 175.80      | 10,625.8              | -3,013.0     | 329.0        | 3,015.0                 | 1.82                    | -0.90                  | -1.58                 |
| 13,514.0              | 90.68           | 176.86      | 10,626.1              | -3,102.8     | 334.8        | 3,104.9                 | 2.16                    | 1.81                   | 1.18                  |
| 13,603.0              | 90.33           | 179.58      | 10,625.3              | -3,191.7     | 337.6        | 3,193.8                 | 3.08                    | -0.39                  | 3.06                  |
| 13,692.0              | 89.32           | 181.08      | 10,625.5              | -3,280.7     | 337.0        | 3,282.8                 | 2.03                    | -1.13                  | 1.69                  |
| 13,782.0              | 87.56           | 181.25      | 10,628.0              | -3,370.7     | 335.2        | 3,372.8                 | 1.96                    | -1.96                  | 0.19                  |
| 13,871.0              | 90.33           | 180.90      | 10,629.6              | -3,459.6     | 333.5        | 3,461.7                 | 3.14                    | 3.11                   | -0.39                 |
| 13,960.0              | 91.43           | 179.76      | 10,628.3              | -3,548.6     | 333.0        | 3,550.7                 | 1.78                    | 1.24                   | -1.28                 |
| 14,049.0              | 91.30           | 178.70      | 10,626.1              | -3,637.6     | 334.2        | 3,639.7                 | 1.20                    | -0.15                  | -1.19                 |
| 14,139.0              | 90.55           | 179.49      | 10,624.7              | -3,727.6     | 335.6        | 3,729.6                 | 1.21                    | -0.83                  | 0.88                  |
| 14,228.0              | 88.53           | 179.14      | 10,625.4              | -3,816.5     | 336.7        | 3,818.6                 | 2.30                    | -2.27                  | -0.39                 |
| 14,318.0              | 87.34           | 180.73      | 10,628.7              | -3,906.5     | 336.8        | 3,908.6                 | 2.21                    | -1.32                  | 1.77                  |
| 14,407.0              | 86.59           | 180.64      | 10,633.4              | -3,995.3     | 335.8        | 3,997.4                 | 0.85                    | -0.84                  | -0.10                 |
| 14,497.0              | 89.58           | 181.08      | 10,636.4              | -4,085.3     | 334.4        | 4,087.4                 | 3.36                    | 3.32                   | 0.49                  |
| 14,586.0              | 90.15           | 180.29      | 10,636.6              | -4,174.3     | 333.3        | 4,176.3                 | 1.09                    | 0.64                   | -0.89                 |
| 14,676.0              | 90.11           | 179.85      | 10,636.4              | -4,264.3     | 333.2        | 4,266.3                 | 0.49                    | -0.04                  | -0.49                 |
| 14,765.0              | 89.93           | 179.06      | 10,636.3              | -4,353.3     | 334.1        | 4,355.3                 | 0.91                    | -0.20                  | -0.89                 |
| 14,854.0              | 90.51           | 180.90      | 10,636.0              | -4,442.3     | 334.1        | 4,444.3                 | 2.17                    | 0.65                   | 2.07                  |
| 14,943.0              | 89.19           | 181.52      | 10,636.2              | -4,531.2     | 332.2        | 4,533.3                 | 1.64                    | -1.48                  | 0.70                  |
| 15,033.0              | 88.79           | 180.64      | 10,637.8              | -4,621.2     | 330.5        | 4,623.2                 | 1.07                    | -0.44                  | -0.98                 |
| 15,122.0              | 89.58           | 180.02      | 10,639.1              | -4,710.2     | 330.0        | 4,712.2                 | 1.13                    | 0.89                   | -0.70                 |
| 15,211.0              | 90.42           | 179.85      | 10,639.1              | -4,799.2     | 330.1        | 4,801.2                 | 0.96                    | 0.94                   | -0.19                 |
| 15,300.0              | 88.40           | 180.37      | 10,640.0              | -4,888.2     | 329.9        | 4,890.2                 | 2.34                    | -2.27                  | 0.58                  |
| 15,389.0              | 86.64           | 180.37      | 10,643.9              | -4,977.1     | 329.4        | 4,979.1                 | 1.98                    | -1.98                  | 0.00                  |
| 15,479.0              | 86.68           | 179.41      | 10,649.1              | -5,066.9     | 329.5        | 5,069.0                 | 1.07                    | 0.04                   | -1.07                 |
| 15,568.0              | 86.90           | 178.18      | 10,654.1              | -5,155.8     | 331.4        | 5,157.8                 | 1.40                    | 0.25                   | -1.38                 |
| 15,657.0              | 87.87           | 177.65      | 10,658.1              | -5,244.6     | 334.6        | 5,246.7                 | 1.24                    | 1.09                   | -0.60                 |
| 15,746.0              | 90.90           | 180.29      | 10,659.1              | -5,333.6     | 336.2        | 5,335.6                 | 4.52                    | 3.40                   | 2.97                  |
| 15,835.0              | 90.42           | 179.85      | 10,658.1              | -5,422.6     | 336.1        | 5,424.6                 | 0.73                    | -0.54                  | -0.49                 |
| 15,925.0              | 90.37           | 179.85      | 10,657.5              | -5,512.6     | 336.4        | 5,514.6                 | 0.06                    | -0.06                  | 0.00                  |
| 16,014.0              | 90.81           | 180.20      | 10,656.5              | -5,601.6     | 336.3        | 5,603.6                 | 0.63                    | 0.49                   | 0.39                  |
| 16,103.0              | 89.71           | 180.11      | 10,656.1              | -5,690.6     | 336.1        | 5,692.6                 | 1.24                    | -1.24                  | -0.10                 |
| 16,193.0              | 89.23           | 179.23      | 10,657.0              | -5,780.6     | 336.6        | 5,782.6                 | 1.11                    | -0.53                  | -0.98                 |
| 16,283.0              | 89.45           | 179.23      | 10,658.0              | -5,870.6     | 337.8        | 5,872.6                 | 0.24                    | 0.24                   | 0.00                  |
| 16,372.0              | 89.32           | 179.85      | 10,659.0              | -5,959.5     | 338.5        | 5,961.6                 | 0.71                    | -0.15                  | 0.70                  |
| 16,461.0              | 88.84           | 180.37      | 10,660.4              | -6,048.5     | 338.4        | 6,050.6                 | 0.80                    | -0.54                  | 0.58                  |
| 16,551.0              | 88.35           | 180.90      | 10,662.6              | -6,138.5     | 337.4        | 6,140.5                 | 0.80                    | -0.54                  | 0.59                  |
| 16,640.0              | 87.47           | 181.08      | 10,665.8              | -6,227.4     | 335.8        | 6,229.5                 | 1.01                    | -0.99                  | 0.20                  |
| 16,730.0              | 87.96           | 180.29      | 10,669.4              | -6,317.3     | 334.8        | 6,319.4                 | 1.03                    | 0.54                   | -0.88                 |
| 16,819.0              | 87.43           | 181.08      | 10,673.0              | -6,406.3     | 333.7        | 6,408.3                 | 1.07                    | -0.60                  | 0.89                  |



# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <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 (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 16,908.0                                                      | 88.75           | 179.49      | 10,676.0              | -6,495.2     | 333.3        | 6,497.2                 | 2.32                    | 1.48                   | -1.79                 |
| 16,998.0                                                      | 90.15           | 178.44      | 10,676.8              | -6,585.2     | 334.9        | 6,587.2                 | 1.94                    | 1.56                   | -1.17                 |
| 17,087.0                                                      | 90.64           | 177.82      | 10,676.2              | -6,674.1     | 337.8        | 6,676.2                 | 0.89                    | 0.55                   | -0.70                 |
| 17,177.0                                                      | 90.90           | 177.47      | 10,675.0              | -6,764.1     | 341.5        | 6,766.1                 | 0.48                    | 0.29                   | -0.39                 |
| 17,241.0                                                      | 91.65           | 177.39      | 10,673.6              | -6,828.0     | 344.4        | 6,830.1                 | 1.18                    | 1.17                   | -0.13                 |
| <b>LAST SVY</b>                                               |                 |             |                       |              |              |                         |                         |                        |                       |
| 17,248.6                                                      | 91.65           | 177.39      | 10,673.4              | -6,835.6     | 344.7        | 6,837.6                 | 0.00                    | 0.00                   | 0.00                  |
| <b>100' Toe Setback @ 17249'MD, 100'FSL &amp; 1256.8'FWL</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 17,308.0                                                      | 91.65           | 177.39      | 10,671.7              | -6,894.9     | 347.4        | 6,897.0                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Projection to TD @ 17308'MD, 41.1'FSL &amp; 1259.1'FWL</b> |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets                                                                                         |               |              |            |              |              |                 |                |                  |                   |
|--------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|-------------------|
| Target Name                                                                                            | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude         |
| FTP (Big Moose Fed (                                                                                   | 0.00          | 0.00         | 10,583.0   | -435.5       | 301.8        | 546,485.32      | 757,295.43     | 32° 30' 1.437 N  | 103° 37' 58.240 W |
| - hit/miss target                                                                                      |               |              |            |              |              |                 |                |                  |                   |
| - actual wellpath misses target center by 66.1usft at 10835.8usft MD (10601.0 TVD, -432.0 N, 365.2 E)  |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                                |               |              |            |              |              |                 |                |                  |                   |
| LTP (Big Moose Fed (                                                                                   | 0.00          | 0.00         | 10,619.0   | -6,835.6     | 341.9        | 540,085.18      | 757,335.57     | 32° 28' 58.106 N | 103° 37' 58.262 W |
| - actual wellpath misses target center by 54.4usft at 17248.6usft MD (10673.4 TVD, -6835.6 N, 344.7 E) |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                                |               |              |            |              |              |                 |                |                  |                   |
| PBHL (Big Moose Fed                                                                                    | 0.00          | 179.63       | 10,619.0   | -6,885.6     | 342.2        | 540,035.19      | 757,335.88     | 32° 28' 57.611 N | 103° 37' 58.262 W |
| - actual wellpath misses target center by 53.1usft at 17300.0usft MD (10671.9 TVD, -6886.9 N, 347.0 E) |               |              |            |              |              |                 |                |                  |                   |
| - Rectangle (sides W30.0 H6,451.0 D0.0)                                                                |               |              |            |              |              |                 |                |                  |                   |

| Formations            |                       |                  |           |         |                   |  |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name             | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,548.0               | 1,548.0               | Rustler          |           |         |                   |  |
| 1,698.1               | 1,698.0               | Salado           |           |         |                   |  |
| 2,995.7               | 2,988.0               | Base Of Salts    |           |         |                   |  |
| 3,152.8               | 3,143.0               | Castille         |           |         |                   |  |
| 3,155.9               | 3,146.0               | Tansil           |           |         |                   |  |
| 3,289.4               | 3,278.0               | Yates            |           |         |                   |  |
| 3,543.6               | 3,528.0               | Capitan Reef     |           |         |                   |  |
| 5,632.7               | 5,588.0               | Delaware Sands   |           |         |                   |  |
| 5,893.5               | 5,848.0               | Cherry Canyon    |           |         |                   |  |
| 6,965.0               | 6,915.0               | Brushy Canyon    |           |         |                   |  |
| 8,833.2               | 8,778.0               | Bone Spring Lime |           |         |                   |  |
| 8,933.3               | 8,878.0               | Avalon           |           |         |                   |  |
| 9,168.4               | 9,113.0               | Leo B            |           |         |                   |  |
| 9,800.5               | 9,745.0               | 1 BS S           |           |         |                   |  |
| 10,068.5              | 10,013.0              | 2BS C            |           |         |                   |  |
| 10,374.0              | 10,313.0              | 2BSS             |           |         |                   |  |





# Intrepid Survey Report



|                  |                                 |                                     |                                 |
|------------------|---------------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Ascent Energy, LLC              | <b>Local Co-ordinate Reference:</b> | Well Big Moose Fed Com #505H    |
| <b>Project:</b>  | Lea County (NAD 83 NME GN)      | <b>TVD Reference:</b>               | KB @ 3787.9usft (Precision 553) |
| <b>Site:</b>     | (Big Moose) Sec-1_T-21-S_R-34-E | <b>MD Reference:</b>                | KB @ 3787.9usft (Precision 553) |
| <b>Well:</b>     | Big Moose Fed Com #505H         | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OWB                             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | AWB                             | <b>Database:</b>                    | EDM 5000.15 Single User Db      |

## Design Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                                              |
|-----------------------------|-----------------------------|-------------------|-----------------|------------------------------------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                                      |
| 10,838.8                    | 10,601.7                    | -434.9            | 365.2           | 100' Heel Setback @ 10838.8'MD, 100'FNL & 1317.1'FWL |
| 17,241.0                    | 10,673.6                    | -6,828.0          | 344.4           | LAST SVY                                             |
| 17,248.6                    | 10,673.4                    | -6,835.6          | 344.7           | 100' Toe Setback @ 17249'MD, 100'FSL & 1256.8'FWL    |
| 17,308.0                    | 10,671.7                    | -6,894.9          | 347.4           | Projection to TD @ 17308'MD, 41.1'FSL & 1259.1'FWL   |

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

Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMNM92187

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

BIG MOOSE FED COM 505H

2. Name of Operator

ASCENT ENERGY LLC

Contact: BEN METZ

E-Mail: bmetz@ascentenergy.us

9. API Well No.

30-025-46498-00-X1

3a. Address

1125 17TH ST SUITE 410  
DENVER, CO 80202

3b. Phone No. (include area code)

Ph: 720-710-8944

10. Field and Pool or Exploratory Area

SALT LAKE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T21S R32E SWSW 338FSL 955FWL  
32.501518 N Lat, 103.634102 W Lon

11. County or Parish, State

LEA COUNTY, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |                                               |                                                    |                                           |
|-------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|                                                       | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Hydraulic Fracture                        |
|                                                       | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |                                           |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Big Moose Fed Com 505H Completion Data

Geologic Formation MD Contents

Rustler 1550 Anhy  
 Salado 1889 Salt  
 Castile 2926 Anhy  
 Tansil 3102 LMS/SS  
 Capitan Reef 3549 LMS: Water  
 Delaware 5615 SS, SH, LMS: Water & Hydrocarbons  
 Bone Spring Lime 8872 SS, LMS, SH: Hydrocarbons  
 1st Bone Spring Sand 9835 SS, SH, LMS: Hydrocarbons  
 2nd Bone Spring Carbonate 10110 SS, SH, LMS: Hydrocarbons

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #537991 verified by the BLM Well Information System****For ASCENT ENERGY LLC, sent to the Hobbs****Committed to AFMSS for processing by PRISCILLA PEREZ on 11/30/2020 (21PP0610SE)**

Name (Printed/Typed) BEN METZ

Title VP OF EXPLORATION

Signature (Electronic Submission)

Date 11/18/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

**ACCEPTED**JONATHON SHEPARD  
Title PETROELUM ENGINEER

Date 12/30/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #537991 that would not fit on the form**

**32. Additional remarks, continued**

2nd Bone Spring Sand 10365 SS, SH, LMS: Hydrocarbons

3/05/2020 RIG RELEASED

7/27/2020 MIRU PREP TO FRAC, PRESSURE TEST 5-1/2" CASING TO 9,200 PSI

8/4/2020 BEGIN FRAC OPS.

9/2/2020 FINISH 42 STAGE FRAC. PERFORATED HORIZONTAL BONE SPRING FROM 10,842' TO 17,211' AND FRACTURE STIMULATE WELL WITH 14,250,715 LBS OF SAND AND 329,400 BBLS OF WATER AND 15,620 GALLONS 7.5% HCL ACID.

9/5/2020 DRILL OUT PLUGS AND CLEAN OUT WELLBORE

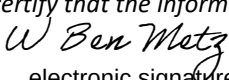
9/10/2020 OPENED WELL TO FLOWBACK

Request for OCD extension of time to file BLM-approved Form 3160-4

**Revisions to Operator-Submitted EC Data for Sundry Notice #537991**

|                | <b>Operator Submitted</b>                                                                                         | <b>BLM Revised (AFMSS)</b>                                                                        |
|----------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Sundry Type:   | HF<br>SR                                                                                                          | HF<br>SR                                                                                          |
| Lease:         | NMNM092187                                                                                                        | NMNM092187                                                                                        |
| Agreement:     |                                                                                                                   |                                                                                                   |
| Operator:      | ASCENT ENERGY, LLC<br>PO BOX 270983<br>LITTLETON, CO 80127<br>Ph: 303-513-8590                                    | ASCENT ENERGY LLC<br>1125 17TH ST SUITE 410<br>DENVER, CO 80202<br>Ph: 720.524.3449               |
| Admin Contact: | BEN METZ<br>VICE PRESIDENT EXPLORATION<br>E-Mail: bmetz@ascentenergy.us<br>Cell: 303-513-8590<br>Ph: 303-513-8590 | BEN METZ<br>VP OF EXPLORATION<br>E-Mail: bmetz@ascentenergy.us<br><br>Ph: 720-710-8944            |
| Tech Contact:  | BEN METZ<br>VICE PRESIDENT EXPLORATION<br>E-Mail: bmetz@ascentenergy.us<br>Cell: 303-513-8590<br>Ph: 303-513-8590 | BEN METZ<br>VP OF EXPLORATION<br>E-Mail: bmetz@ascentenergy.us<br><br>Ph: 720-710-8944            |
| Location:      |                                                                                                                   |                                                                                                   |
| State:         | NM                                                                                                                | NM                                                                                                |
| County:        | LEA                                                                                                               | LEA                                                                                               |
| Field/Pool:    | BONE SPRING 97895                                                                                                 | SALT LAKE                                                                                         |
| Well/Facility: | BIG MOOSE FED COM 505H<br>Sec 1 T21S R32E Mer NMP SWSW 338FSL 955FWL<br>32.501602 N Lat, 103.633814 W Lon         | BIG MOOSE FED COM 505H<br>Sec 1 T21S R32E SWSW 338FSL 955FWL<br>32.501518 N Lat, 103.634102 W Lon |



|                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------|------------------|--------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------|------------|---------------|
| 99Submit To Appropriate District Office<br>Two Copies<br>District I<br>1625 N. French Dr., Hobbs, NM 88240<br>District II<br>811 S. First St., Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd., Aztec, NM 87410<br>District IV<br>1220 S. St. Francis Dr., Santa Fe, NM 87505                                                                                                    |                            | State of New Mexico<br>Energy, Minerals and Natural Resources<br><br>Oil Conservation Division<br>1220 South St. Francis Dr.<br>Santa Fe, NM 87505 |                                        |                                   |                  | Form C-105<br>Revised April 3, 2017                          |                                        |                                                                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            | 1. WELL API NO.<br>30-025-46498                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            | 2. Type of Lease<br><input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN                     |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            | 3. State Oil & Gas Lease No.                                                                                                                       |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG                                                                                                                                                                                                                                                                                                                                            |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| 4. Reason for filing:<br><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>Big Moose Fed Com    |                                        |                                                                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                                                    |                                        |                                   |                  | 6. Well Number:<br><br>505H                                  |                                        |                                                                               |            |               |
| 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                                                                                                                                 |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| 8. Name of Operator<br>Ascent Energy, LLC                                                                                                                                                                                                                                                                                                                                                 |                            |                                                                                                                                                    |                                        |                                   |                  | 9. OGRID<br>325830                                           |                                        |                                                                               |            |               |
| 10. Address of Operator<br>P.O. Box 270983<br>Littleton, CO 80127                                                                                                                                                                                                                                                                                                                         |                            |                                                                                                                                                    |                                        |                                   |                  | 11. Pool name or Wildcat<br>WC-025 G-8 S213304D; Bone Spring |                                        |                                                                               |            |               |
| 12.Location                                                                                                                                                                                                                                                                                                                                                                               | Unit Ltr                   | Section                                                                                                                                            | Township                               | Range                             | Lot              | Feet from the                                                | N/S Line                               | Feet from the                                                                 | E/W Line   | County        |
| Surface:                                                                                                                                                                                                                                                                                                                                                                                  | M                          | 1                                                                                                                                                  | 21 S                                   | 32 E                              |                  | 338'                                                         | South                                  | 955'                                                                          | West       | Lea           |
| BH:                                                                                                                                                                                                                                                                                                                                                                                       | D                          | 13                                                                                                                                                 | 21 S                                   | 32 E                              |                  | 1279'                                                        | South                                  | 1258'                                                                         | West       | Lea           |
| 13. Date Spudded<br>12/31/2019                                                                                                                                                                                                                                                                                                                                                            |                            | 14. Date T.D. Reached<br>2/23/2020                                                                                                                 |                                        | 15. Date Rig Released<br>3/5/2020 |                  | 16. Date Completed (Ready to Produce)<br>9/2/2020            |                                        | 17. Elevations (DF and RKB, RT, GR, etc.) 3763' GR                            |            |               |
| 18. Total Measured Depth of Well<br>17308'                                                                                                                                                                                                                                                                                                                                                |                            |                                                                                                                                                    | 19. Plug Back Measured Depth<br>17298' |                                   |                  | 20. Was Directional Survey Made?<br>Yes                      |                                        | 21. Type Electric and Other Logs Run                                          |            |               |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name<br>10842'-17211' Bone Spring                                                                                                                                                                                                                                                                                            |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| 23. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                                                                                                                                                        |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                               |                            | WEIGHT LB./FT.                                                                                                                                     |                                        | DEPTH SET                         |                  | HOLE SIZE                                                    |                                        | CEMENTING RECORD                                                              |            | AMOUNT PULLED |
| 13-3/8"                                                                                                                                                                                                                                                                                                                                                                                   |                            | 54.5#                                                                                                                                              |                                        | 1599'                             |                  | 17.5"                                                        |                                        | 1300 sx                                                                       |            |               |
| 9-5/8"                                                                                                                                                                                                                                                                                                                                                                                    |                            | 40#                                                                                                                                                |                                        | 3200'                             |                  | 12.25"                                                       |                                        | 1135 sx                                                                       |            |               |
| 7-5/8"                                                                                                                                                                                                                                                                                                                                                                                    |                            | 29.7#                                                                                                                                              |                                        | 5641'                             |                  | 8.75"                                                        |                                        | 530 sx                                                                        |            |               |
| 5-1/2"                                                                                                                                                                                                                                                                                                                                                                                    |                            | 20#                                                                                                                                                |                                        | 17298'                            |                  | 6.75"                                                        |                                        | 830 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>10842'-17211'                                                                                                                                                                                                                                                                                                                      |                            |                                                                                                                                                    |                                        |                                   |                  | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.              |                                        |                                                                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                                                    |                                        |                                   |                  | DEPTH INTERVAL                                               |                                        | AMOUNT AND KIND MATERIAL USED                                                 |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                                                    |                                        |                                   |                  | 10842'-17211'                                                |                                        | 329,400 bbls water<br>15,620 gallons 7.5% HCL acid<br>14,250,715 lbs proppant |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        | *See Frac Focus                                                               |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| 28. PRODUCTION                                                                                                                                                                                                                                                                                                                                                                            |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| Date First Production<br>9/14/2020                                                                                                                                                                                                                                                                                                                                                        |                            | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>flowing                                                                     |                                        |                                   |                  | Well Status (Prod. or Shut-in)<br>Producing                  |                                        |                                                                               |            |               |
| Date of Test<br>9/20/2020                                                                                                                                                                                                                                                                                                                                                                 | Hours Tested<br>24         | Choke Size<br>42/64                                                                                                                                | Prod'n For<br>Test Period              | Oil - Bbl<br>941                  | Gas - MCF<br>530 | Water - Bbl.<br>5073                                         | Gas - Oil Ratio<br>900                 |                                                                               |            |               |
| Flow Tubing<br>Press.                                                                                                                                                                                                                                                                                                                                                                     | Casing Pressure<br>885 psi | Calculated 24-<br>Hour Rate                                                                                                                        | Oil - Bbl.                             | Gas - MCF                         | Water - Bbl.     | Oil Gravity - API - (Corr.)                                  |                                        |                                                                               |            |               |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                                                                                                                                                                                        |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              | 30. Test Witnessed By<br>M. Villanueva |                                                                               |            |               |
| 31. List Attachments<br>As-Drilled C102, Certified Final Directional Survey, C104                                                                                                                                                                                                                                                                                                         |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                        |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              | 33. Rig Release Date:<br>3/5/2020      |                                                                               |            |               |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial:<br><br>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                                                                                                                                                                                                                                                                                              |                            | Printed<br>Name: Ben Metz                                                                                                                          |                                        | Title: VP Exploration             |                  | Date: 11/12/2020                                             |                                        |                                                                               |            |               |
| E-mail Address: bmetz@ascentenergy.us                                                                                                                                                                                                                                                                                                                                                     |                            |                                                                                                                                                    |                                        |                                   |                  |                                                              |                                        |                                                                               |            |               |

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico        |                                              | Northwestern New Mexico |                       |
|--------------------------------|----------------------------------------------|-------------------------|-----------------------|
| T. Anhy_____                   | T. Canyon_____                               | T. Ojo Alamo_____       | T. Penn A"_____       |
| T. Salt                  1889’ | T. Strawn_____                               | T. Kirtland  _____      | T. Penn. "B"_____     |
| B. Salt                  2809’ | T. Atoka_____                                | T. Fruitland_____       | T. Penn. "C"_____     |
| T. Yates_____3229’             | T. Miss_____                                 | T. Pictured Cliffs_____ | T. Penn. "D"_____     |
| T. 7 Rivers_____               | T. Devonian_____                             | T. Cliff House_____     | T. Leadville_____     |
| T. Queen_____                  | T. Silurian_____                             | T. Menefee_____         | T. Madison_____       |
| T. Grayburg_____               | T. Montoya_____                              | T. Point Lookout_____   | T. Elbert_____        |
| T. San Andres_____             | T. Simpson_____                              | T. Mancos_____          | T. McCracken_____     |
| T. Glorieta_____               | T. McKee_____                                | T. Gallup_____          | T. Ignacio Otzte_____ |
| T. Paddock_____                | T. Ellenburger_____                          | Base<br>Greenhorn_____  | T.Granite  _____      |
| T. Blinebry_____               | T. Gr. Wash_____                             | T. Dakota_____          |                       |
| T.Tubb_____                    | T. Delaware Sand  ____  5616’                | T. Morrison_____        |                       |
| T. Drinkard_____               | T. Bone Spring  ____  8872’                  | T.Todilto_____          |                       |
| T. Abo_____                    | T.Rustler              1550’_                | T. Entrada_____         |                       |
| T. Wolfcamp_____’              | T.  1 <sup>st</sup> Bone Spring  ____  9835’ | T. Wingate_____         |                       |
| T. Penn_____                   | T.  2 <sup>nd</sup> Bone Spring  ____ 10110’ | T. Chinle_____          |                       |
| T. Cisco (Bough C)_____        | T.  3 <sup>rd</sup> Bone Spring_____         | T. Permian_____         |                       |

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

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



|              |                     |
|--------------|---------------------|
| WELL NAME:   | Big Moose Fed Com   |
| WELL NO.:    | 505H                |
| FIELD:       | Hat Mesa            |
| SH LOCATION: |                     |
| BH LOCATION: |                     |
| LEGAL:       | Sec 1 - T21S - R32E |

|            |               |
|------------|---------------|
| RIG:       | Precision 553 |
| COUNTY:    | Lea           |
| SPUD DATE: | 12/28/2019    |
| DRAWN BY:  | Gema Volek    |
| DATE:      | 2/10/2021     |
| PLAN #:    | 6             |

|                   |              |
|-------------------|--------------|
| API #:            | 30-025-46498 |
| PERMIT #:         | NA           |
| STATE:            | New Mexico   |
| Ground Elevation: | 3763'        |
| Floor Height:     | 25           |
| Total KB:         | 25           |

### Big Moose Fed Com 505H As Drilled WBD

HOLE SIZE  
CSG DESIGN

20" Conductor  
to ~120'

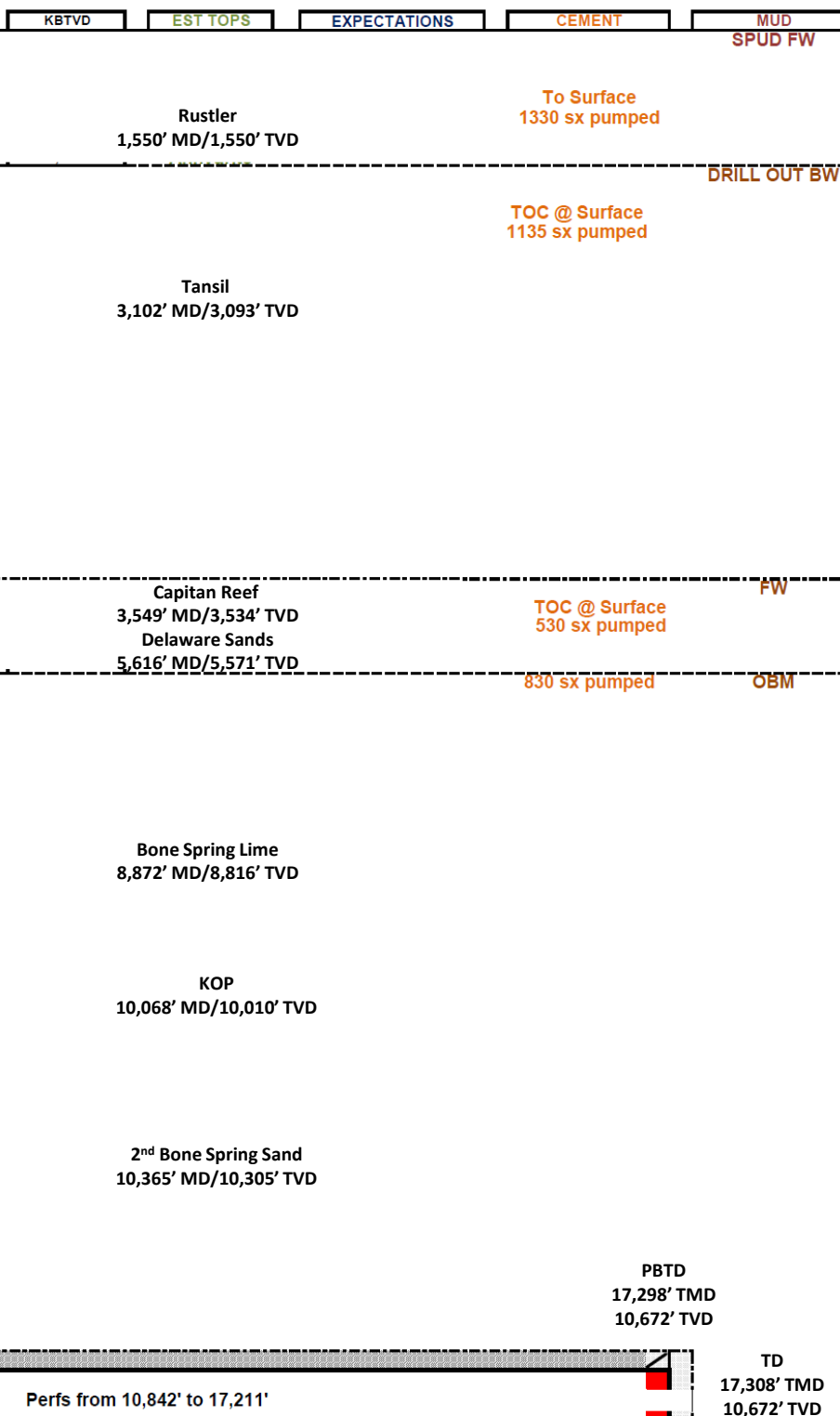
17-1/2" Hole  
13 - 3/8", 54.5#  
J-55, STC  
to 1599'

12-1/4" Hole  
9-5/8", 40#  
J - 55 LTC  
Surface - 3200

DV Tool/Packer  
@ 3189'  
For 2-Stage Cmt

8-3/4" Hole  
7-5/8", 29.7#  
HCP - 110 EZGO FJ3  
Surface to 5641'

Vertical/ Curve &  
Lateral  
6 3/4" Hole  
5-1/2", 20#  
P-110, EZGO FJ  
Surface to 17,298'  
2nd Bone Spring





Operator: Ascent Energy, LLC  
Well Name: Big Moose Fed Com #505H  
County: Lea  
State: New Mexico  
Rig Name: Precision 553  
API: 30-025-46498

Intrepid Directional Drilling Specialists certifies that the surveys performed on the above referenced well are true and correct MWD surveys, data provided as follows:

Surveyor: Intrepid Directional Drilling Specialists  
Survey Depths: 199' MD – 17241' MD  
Projection to Bit: 17308' MD  
Dates Performed: 01/08/2020 – 01/17/2020 & 02/13/2020 – 03/03/2020  
Type of Survey: MWD

Sincerely,

A handwritten signature in blue ink, appearing to read "James Burleson".

James Burleson  
Vice President of MWD Operations  
Intrepid Directional Drilling Specialists





**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 20583

**ACKNOWLEDGMENTS**

|                                                                      |                                                    |
|----------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>ASCENT ENERGY, LLC.<br>1125 17th St<br>Denver, CO 80202 | OGRID:<br>325830                                   |
|                                                                      | Action Number:<br>20583                            |
|                                                                      | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

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

**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**

CONDITIONS  
  
Action 20583

CONDITIONS

|                                                                      |                                                    |
|----------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>ASCENT ENERGY, LLC.<br>1125 17th St<br>Denver, CO 80202 | OGRID:<br>325830                                   |
|                                                                      | Action Number:<br>20583                            |
|                                                                      | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| ksimmons   | None      | 6/11/2021      |