

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 ResourcesForm C-104  
Revised August 1, 2011Oil 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>Marathon Oil Permian LLC<br>990 Town & Country Blvd. Houston, TX 77024 |                                                      | <sup>2</sup> OGRID Number<br>372098                                    |
|                                                                                                                  |                                                      | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW / 10/17/2021 |
| <sup>4</sup> API Number<br>30 - 015-45901                                                                        | <sup>5</sup> Pool Name<br>LAGUNA SALADO; BONE SPRING | <sup>6</sup> Pool Code<br>96721                                        |
| <sup>7</sup> Property Code<br>325401                                                                             | <sup>8</sup> Property Name<br>BLUE STEEL 21 FB FEE   | <sup>9</sup> Well Number<br>21H                                        |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 23S      | 29E   |         | 270           | NORTH            | 1165          | WEST           | EDDY   |

<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                      | 21                                  | 23S                               | 29E                               |                                    | 37                                  | NORTH            | 657           | WEST           | EDDY   |
| <sup>12</sup> Lse Code | <sup>13</sup> Producing Method Code | <sup>14</sup> Gas Connection Date | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                  |               |                |        |
| P                      | F                                   |                                   |                                   |                                    |                                     |                  |               |                |        |

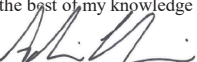
## III. Oil and Gas Transporters

| <sup>18</sup> Transporter OGRID | <sup>19</sup> Transporter Name and Address | <sup>20</sup> O/G/W |
|---------------------------------|--------------------------------------------|---------------------|
| 16587                           | ORYX ENERGY CO                             | O                   |
| 327139                          | SENDERO MISTREAM                           | G                   |
|                                 |                                            |                     |
|                                 |                                            |                     |
|                                 |                                            |                     |
|                                 |                                            |                     |

## IV. Well Completion Data

| <sup>21</sup> Spud Date | <sup>22</sup> Ready Date           | <sup>23</sup> TD        | <sup>24</sup> PBTB         | <sup>25</sup> Perforations | <sup>26</sup> DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 8/25/2019               | 10/12/2021                         | 12770' / 7736'          | 12708' / 7733'             | 8003' - 12627'             |                       |
| <sup>27</sup> Hole Size | <sup>28</sup> Casing & Tubing Size | <sup>29</sup> Depth Set | <sup>30</sup> Sacks Cement |                            |                       |
| 17 1/2"                 | 13 3/8", 54.5#, J55, STC           | 372'                    | 490                        |                            |                       |
| 12 1/4"                 | 9 5/8", 36#, J55, LTC              | 2972'                   | 1120                       |                            |                       |
| 8 3/4"                  | 5 1/2", 17#, P110, CYHP BHT        | 12756'                  | 2690                       |                            |                       |
|                         |                                    |                         |                            |                            |                       |

## V. Well Test Data

|                                                                                                                                                                                                                                                                                                            |                                               |                                       |                                       |                                  |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------|---------------------------------------|----------------------------------|--------------------------------------|
| <sup>31</sup> Date New Oil<br>10/17/2021                                                                                                                                                                                                                                                                   | <sup>32</sup> Gas Delivery Date<br>10/17/2021 | <sup>33</sup> Test Date<br>10/17/2021 | <sup>34</sup> Test Length<br>24 hrs   | <sup>35</sup> Tbg. Pressure<br>0 | <sup>36</sup> Csg. Pressure<br>769   |
| <sup>37</sup> Choke Size<br>18/64                                                                                                                                                                                                                                                                          | <sup>38</sup> Oil<br>65                       | <sup>39</sup> Water<br>261            | <sup>40</sup> Gas<br>258              |                                  | <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:  |                                               |                                       | OIL CONSERVATION DIVISION             |                                  |                                      |
| Printed name: Adrian Covarrubias                                                                                                                                                                                                                                                                           |                                               |                                       | Approved by: <i>PATRICIA MARTINEZ</i> |                                  |                                      |
| Title: Regulatory Professional                                                                                                                                                                                                                                                                             |                                               |                                       | Title: <i>NMOCD</i>                   |                                  |                                      |
| E-mail Address: acovarrubias@marathonoil.com                                                                                                                                                                                                                                                               |                                               |                                       | Approval Date: <i>1/31/2022</i>       |                                  |                                      |
| Date: 10/19/2021                                                                                                                                                                                                                                                                                           | Phone: 713-296-3368                           |                                       |                                       |                                  |                                      |

**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: (505) 334-6170

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

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

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

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT**

|                                         |                                                        |                                                       |
|-----------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| <sup>1</sup> API Number<br>30-015-45901 | <sup>2</sup> Pool Code<br>96721                        | <sup>3</sup> Pool Name<br>Laguna Salado (Bone Spring) |
| <sup>4</sup> Property Code<br>325401    | Property Name<br>Blue Steel 21 FB Fee                  | <sup>6</sup> Well Number<br>21H                       |
| <sup>7</sup> OGRID No.<br>372098        | <sup>8</sup> Operator Name<br>MARATHON OIL PERMIAN LLC | <sup>9</sup> Elevation<br>3001'                       |

<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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 23S      | 29E   |         | 270           | NORTH            | 1165          | WEST           | EDDY   |

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

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 21      | 23S      | 29E   |         | 37            | NORTH            | 657           | WEST           | EDDY   |

|                                        |                               |                                  |                         |
|----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>160.0 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|----------------------------------------|-------------------------------|----------------------------------|-------------------------|

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

|  |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>CORNER COORDINATES</b><br>NAD 83, SPCS NM EAST<br>A - X: 646145.88' / Y: 466933.84'<br>B - X: 644816.72' / Y: 466932.98'<br>C - X: 644823.90' / Y: 472250.71'<br>D - X: 646152.59' / Y: 472255.49'                                                                                      | <b>CORNER COORDINATES</b><br>NAD 27, SPCS NM EAST<br>A - X: 604962.60' / Y: 466874.42'<br>B - X: 603633.45' / Y: 466873.55'<br>C - X: 603640.77' / Y: 472191.16'<br>D - X: 604969.46' / Y: 472195.94'                                                                                  | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> <b>4/3/2020</b><br/>Signature Date<br/><b>Adrian Covarrubias</b><br/>Printed Name</p> <p>E-mail Address</p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.</p> <p>MARCH 5, 2020<br/>Date of Survey</p> <p><i>[Signature]</i><br/>Signature and Seal of Professional Surveyor</p> <p><b>LLOYD P. SHORT 21653</b><br/>Certificate Number</p> |
|  | <b>BOTTOM HOLE LOCATION</b><br>37' FNL 657' FWL, SECTION 21<br>12770' MEASURED DEPTH IN FEET<br>NAD 83, SPCS NM EAST<br>X:645480.79' / Y:472215.66'<br>LAT:32.29774441N / LON:103.99628138W<br>NAD 27, SPCS NM EAST<br>X:604297.66' / Y:472156.12'<br>LAT:32.29762243N / LON:103.99578949W | <b>LAST TAKE POINT</b><br>100' FNL 658' FWL, SECTION 21<br>12707' MEASURED DEPTH IN FEET<br>NAD 83, SPCS NM EAST<br>X:645481.78' / Y:472153.08'<br>LAT:32.29757236N / LON:103.99627882W<br>NAD 27, SPCS NM EAST<br>X:604298.65' / Y:472093.53'<br>LAT:32.29745038N / LON:103.99578694W |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <b>FIRST TAKE POINT</b><br>510' FSL 668' FWL, SECTION 21<br>7993' MEASURED DEPTH IN FEET<br>NAD 83, SPCS NM EAST<br>X:645485.01' / Y:467442.99'<br>LAT:32.28462510N / LON:103.99631626W<br>NAD 27, SPCS NM EAST<br>X:604301.75' / Y:467383.55'<br>LAT:32.28450300N / LON:103.99582487W     | <b>KICK OFF POINT</b><br>28' FSL 674' FWL, SECTION 21<br>7213' MEASURED DEPTH IN FEET<br>NAD 83, SPCS NM EAST<br>X:645490.60' / Y:466961.10'<br>LAT:32.28330043N / LON:103.99630307W<br>NAD 27, SPCS NM EAST<br>X:604307.33' / Y:466901.68'<br>LAT:32.28317833N / LON:103.99581173W    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <b>SURFACE HOLE LOCATION</b><br>270' FNL 1165' FWL, SECTION 28<br>0' MEASURED DEPTH IN FEET<br>NAD 83, SPCS NM EAST<br>X:645983.70' / Y:466663.62'<br>LAT:32.28247844N / LON:103.99471050W<br>NAD 27, SPCS NM EAST<br>X:604800.42' / Y:466604.20'<br>LAT:32.28235632N / LON:103.99421924W  |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <p>SHEET 1 OF 1<br/>JOB No. R3982_001<br/>REV 1 JCS 3/4/2020</p>                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Distances/areas relative to NAD 83 Combined Scale Factor: 0.999922 Convergence Angle: 0.18084607°





# Marathon Oil Corporation

**Blue Steel 21 FB Fee No. 21H**  
**Eddy County, NM**

**October 23, 2019**

**Job# LNM1525719**  
**API# 30-015-45901**

## Survey Completion Report



## Survey Certification Letter

October 23, 2019



Operator Name: Marathon Oil  
Well Name: Blue Steel 21 FB Fee No. 21H  
County/Parish: Eddy County,  
State: NM  
Rig Name: Precision 582  
Job Number: LNM1525719

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

| Surveyor       | Surveyed Depths      | Projection to Bit | Dates Performed     | Type of Survey |
|----------------|----------------------|-------------------|---------------------|----------------|
| ProDirectional | 418' MD – 12,709' MD | 12,770' MD        | 09/07/19 – 09/28/19 | MWD            |

Sincerely,

Mike Coats  
Regulatory Specialist  
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266  
prodirectional.com



## Marathon Oil

Eddy County, NM  
Blue Steel 21 FB Fee  
No. 21H  
OH

Survey: ProDirectional

## Survey Report

23 October, 2019





# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, NM(NAD 83)   |                      |                |
| <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>                  | Blue Steel 21 FB Fee |                          |                 |
| <b>Site Position:</b>        |                      | <b>Northing:</b>         | 466,663.66 usft |
| <b>From:</b>                 | Map                  | <b>Easting:</b>          | 645,953.71 usft |
| <b>Position Uncertainty:</b> | 0.00 usft            | <b>Slot Radius:</b>      | 13-3/16 "       |
|                              |                      | <b>Latitude:</b>         | 32.282479       |
|                              |                      | <b>Longitude:</b>        | -103.994808     |
|                              |                      | <b>Grid Convergence:</b> | 0.18 °          |

| Well                 |       | No. 21H, LNM1525719 |                     |                 |               |               |
|----------------------|-------|---------------------|---------------------|-----------------|---------------|---------------|
| Well Position        | +N/-S | 0.00 usft           | Northing:           | 466,663.62 usft | Latitude:     | 32.282478     |
|                      | +E/-W | 0.00 usft           | Easting:            | 645,983.70 usft | Longitude:    | -103.994711   |
| Position Uncertainty |       | 0.00 usft           | Wellhead Elevation: | usft            | Ground Level: | 3,001.00 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 8/1/2019           | 7.02                   | 60.02                | 47,900.60                  |

|                          |                                |                     |                     |                           |
|--------------------------|--------------------------------|---------------------|---------------------|---------------------------|
| <b>Design</b>            | MWD                            |                     |                     |                           |
| <b>Audit Notes:</b>      |                                |                     |                     |                           |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b>      |
|                          | 0.00                           | 0.00                | 0.00                | 0.08                      |



# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

| Survey Program |           | Date              | 10/23/2019 |                                                   |  |
|----------------|-----------|-------------------|------------|---------------------------------------------------|--|
| From (usft)    | To (usft) | Survey (Wellbore) | Tool Name  | Description                                       |  |
| 175.00         | 363.00    | Survey #1 (OH)    | GYRO-NS-CT | OWSG XYZ Accel with XY Static and Continuous Gyro |  |
| 418.00         | 12,770.00 | Survey #2 (OH)    | MWD+IFR1   | OWSG MWD + IFR1                                   |  |

| Survey                        |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
|-------------------------------|------------|----------------------|---------------|------------------|---------------|---------------|----------------------------|------------------------|--------------------|-------------------|--|
| MD<br>(usft)                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | Northing<br>(usft) | Easting<br>(usft) |  |
| 0.00                          | 0.00       | 0.00                 | 0.00          | 0.00             | 0.00          | 0.00          | 0.00                       | 0.00                   | 466,663.62         | 645,983.70        |  |
| 175.00                        | 0.40       | 340.00               | 175.00        | 0.57             | 0.57          | -0.21         | 0.61                       | 340.00                 | 466,664.19         | 645,983.49        |  |
| 271.00                        | 0.60       | 41.00                | 271.00        | 1.27             | 1.27          | 0.01          | 1.27                       | 0.28                   | 466,664.89         | 645,983.71        |  |
| 363.00                        | 0.60       | 35.00                | 362.99        | 2.03             | 2.03          | 0.60          | 2.11                       | 16.46                  | 466,665.65         | 645,984.30        |  |
| 418.00                        | 1.00       | 60.50                | 417.99        | 2.50             | 2.50          | 1.18          | 2.76                       | 25.31                  | 466,666.12         | 645,984.88        |  |
| Pro MWD First Survey: 418' MD |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
| 510.00                        | 0.50       | 101.80               | 509.98        | 2.82             | 2.81          | 2.27          | 3.62                       | 38.95                  | 466,666.43         | 645,985.97        |  |
| 603.00                        | 1.30       | 157.30               | 602.97        | 1.76             | 1.76          | 3.08          | 3.54                       | 60.30                  | 466,665.38         | 645,986.78        |  |
| 698.00                        | 2.80       | 177.00               | 697.90        | -1.55            | -1.56         | 3.61          | 3.94                       | 113.29                 | 466,662.06         | 645,987.31        |  |
| 792.00                        | 3.30       | 186.30               | 791.77        | -6.53            | -6.54         | 3.44          | 7.39                       | 152.26                 | 466,657.08         | 645,987.14        |  |
| 887.00                        | 2.70       | 196.00               | 886.64        | -11.40           | -11.41        | 2.52          | 11.68                      | 167.54                 | 466,652.21         | 645,986.22        |  |
| 979.00                        | 2.90       | 204.30               | 978.53        | -15.61           | -15.61        | 0.97          | 15.64                      | 176.46                 | 466,648.01         | 645,984.67        |  |
| 1,073.00                      | 2.60       | 199.70               | 1,072.42      | -19.79           | -19.79        | -0.73         | 19.80                      | 182.12                 | 466,643.83         | 645,982.97        |  |
| 1,162.00                      | 2.40       | 188.60               | 1,161.34      | -23.53           | -23.53        | -1.69         | 23.59                      | 184.11                 | 466,640.09         | 645,982.01        |  |
| 1,252.00                      | 1.90       | 203.40               | 1,251.28      | -26.76           | -26.76        | -2.56         | 26.88                      | 185.47                 | 466,636.86         | 645,981.14        |  |
| 1,341.00                      | 1.80       | 209.60               | 1,340.23      | -29.34           | -29.33        | -3.84         | 29.58                      | 187.46                 | 466,634.29         | 645,979.86        |  |
| 1,431.00                      | 1.40       | 188.00               | 1,430.20      | -31.65           | -31.65        | -4.69         | 31.99                      | 188.43                 | 466,631.97         | 645,979.01        |  |
| 1,520.00                      | 0.90       | 207.20               | 1,519.18      | -33.35           | -33.35        | -5.16         | 33.74                      | 188.80                 | 466,630.27         | 645,978.54        |  |
| 1,610.00                      | 1.10       | 208.10               | 1,609.16      | -34.75           | -34.74        | -5.89         | 35.23                      | 189.63                 | 466,628.88         | 645,977.81        |  |
| 1,699.00                      | 1.10       | 218.50               | 1,698.15      | -36.17           | -36.16        | -6.83         | 36.80                      | 190.69                 | 466,627.46         | 645,976.87        |  |
| 1,789.00                      | 0.60       | 254.60               | 1,788.14      | -36.97           | -36.96        | -7.82         | 37.78                      | 191.94                 | 466,626.66         | 645,975.88        |  |



# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

| Survey       |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|----------------------------|------------------------|--------------------|-------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | Northing<br>(usft) | Easting<br>(usft) |  |
| 1,878.00     | 1.00       | 224.70               | 1,877.13      | -37.65           | -37.64        | -8.81         | 38.65                      | 193.18                 | 466,625.98         | 645,974.89        |  |
| 1,968.00     | 1.00       | 226.10               | 1,967.12      | -38.75           | -38.74        | -9.93         | 39.99                      | 194.38                 | 466,624.88         | 645,973.77        |  |
| 2,057.00     | 0.60       | 275.40               | 2,056.11      | -39.25           | -39.23        | -10.96        | 40.73                      | 195.60                 | 466,624.39         | 645,972.74        |  |
| 2,147.00     | 0.50       | 271.60               | 2,146.10      | -39.19           | -39.18        | -11.82        | 40.92                      | 196.79                 | 466,624.44         | 645,971.88        |  |
| 2,236.00     | 1.10       | 121.70               | 2,235.10      | -39.63           | -39.62        | -11.48        | 41.25                      | 196.16                 | 466,624.00         | 645,972.22        |  |
| 2,326.00     | 2.20       | 136.30               | 2,325.06      | -41.33           | -41.32        | -9.55         | 42.41                      | 193.02                 | 466,622.30         | 645,974.15        |  |
| 2,415.00     | 2.10       | 137.80               | 2,414.00      | -43.77           | -43.76        | -7.28         | 44.36                      | 189.44                 | 466,619.86         | 645,976.42        |  |
| 2,505.00     | 2.70       | 146.00               | 2,503.92      | -46.75           | -46.74        | -4.98         | 47.01                      | 186.08                 | 466,616.88         | 645,978.72        |  |
| 2,595.00     | 1.60       | 156.00               | 2,593.85      | -49.65           | -49.65        | -3.29         | 49.76                      | 183.79                 | 466,613.97         | 645,980.41        |  |
| 2,685.00     | 1.60       | 211.00               | 2,683.82      | -51.88           | -51.87        | -3.42         | 51.98                      | 183.77                 | 466,611.75         | 645,980.28        |  |
| 2,774.00     | 2.50       | 274.10               | 2,772.78      | -52.81           | -52.80        | -6.00         | 53.14                      | 186.48                 | 466,610.82         | 645,977.70        |  |
| 2,864.00     | 4.40       | 292.60               | 2,862.61      | -51.35           | -51.33        | -11.14        | 52.53                      | 192.25                 | 466,612.29         | 645,972.56        |  |
| 2,896.00     | 4.40       | 294.60               | 2,894.52      | -50.37           | -50.35        | -13.39        | 52.10                      | 194.90                 | 466,613.27         | 645,970.31        |  |
| 3,000.00     | 3.90       | 308.00               | 2,998.25      | -46.54           | -46.51        | -19.81        | 50.55                      | 203.07                 | 466,617.11         | 645,963.89        |  |
| 3,089.00     | 5.50       | 321.30               | 3,086.95      | -41.35           | -41.32        | -24.86        | 48.22                      | 211.03                 | 466,622.30         | 645,958.84        |  |
| 3,179.00     | 7.10       | 322.80               | 3,176.40      | -33.56           | -33.52        | -30.92        | 45.60                      | 222.69                 | 466,630.10         | 645,952.78        |  |
| 3,268.00     | 8.70       | 317.10               | 3,264.56      | -24.26           | -24.21        | -38.83        | 45.76                      | 238.06                 | 466,639.41         | 645,944.87        |  |
| 3,358.00     | 9.60       | 318.90               | 3,353.41      | -13.63           | -13.57        | -48.40        | 50.26                      | 254.34                 | 466,650.05         | 645,935.30        |  |
| 3,448.00     | 9.90       | 318.50               | 3,442.11      | -2.20            | -2.12         | -58.46        | 58.49                      | 267.93                 | 466,661.50         | 645,925.24        |  |
| 3,537.00     | 9.30       | 317.60               | 3,529.86      | 8.83             | 8.92          | -68.37        | 68.95                      | 277.44                 | 466,672.54         | 645,915.33        |  |
| 3,627.00     | 10.20      | 308.70               | 3,618.57      | 19.17            | 19.28         | -79.50        | 81.80                      | 283.63                 | 466,682.90         | 645,904.20        |  |
| 3,716.00     | 10.90      | 306.40               | 3,706.06      | 29.07            | 29.20         | -92.42        | 96.92                      | 287.53                 | 466,692.82         | 645,891.28        |  |
| 3,806.00     | 10.10      | 304.40               | 3,794.55      | 38.56            | 38.71         | -105.78       | 112.64                     | 290.10                 | 466,702.33         | 645,877.92        |  |
| 3,896.00     | 9.50       | 302.90               | 3,883.24      | 47.03            | 47.20         | -118.53       | 127.58                     | 291.71                 | 466,710.82         | 645,865.17        |  |
| 3,986.00     | 9.20       | 302.80               | 3,972.05      | 54.95            | 55.13         | -130.81       | 141.96                     | 292.85                 | 466,718.75         | 645,852.89        |  |
| 4,075.00     | 9.00       | 302.40               | 4,059.92      | 62.52            | 62.72         | -142.67       | 155.85                     | 293.73                 | 466,726.34         | 645,841.03        |  |
| 4,165.00     | 9.20       | 302.10               | 4,148.79      | 70.09            | 70.31         | -154.71       | 169.94                     | 294.44                 | 466,733.93         | 645,828.99        |  |





# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

| Survey       |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|----------------------------|------------------------|--------------------|-------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | Northing<br>(usft) | Easting<br>(usft) |  |
| 4,255.00     | 9.20       | 301.90               | 4,237.63      | 77.70            | 77.94         | -166.91       | 184.21                     | 295.03                 | 466,741.56         | 645,816.79        |  |
| 4,344.00     | 8.80       | 300.50               | 4,325.54      | 84.90            | 85.15         | -178.82       | 198.06                     | 295.46                 | 466,748.77         | 645,804.88        |  |
| 4,434.00     | 10.20      | 300.00               | 4,414.30      | 92.36            | 92.63         | -191.65       | 212.86                     | 295.80                 | 466,756.25         | 645,792.05        |  |
| 4,523.00     | 10.30      | 299.40               | 4,501.88      | 100.19           | 100.48        | -205.41       | 228.67                     | 296.07                 | 466,764.10         | 645,778.29        |  |
| 4,613.00     | 9.80       | 298.80               | 4,590.50      | 107.81           | 108.12        | -219.13       | 244.35                     | 296.26                 | 466,771.74         | 645,764.57        |  |
| 4,702.00     | 10.10      | 305.50               | 4,678.16      | 115.97           | 116.30        | -232.12       | 259.63                     | 296.61                 | 466,779.92         | 645,751.58        |  |
| 4,792.00     | 11.10      | 312.10               | 4,766.63      | 126.35           | 126.69        | -244.97       | 275.79                     | 297.35                 | 466,790.31         | 645,738.73        |  |
| 4,882.00     | 11.00      | 311.40               | 4,854.96      | 137.81           | 138.17        | -257.84       | 292.53                     | 298.19                 | 466,801.79         | 645,725.86        |  |
| 4,971.00     | 10.80      | 311.00               | 4,942.36      | 148.88           | 149.26        | -270.51       | 308.95                     | 298.89                 | 466,812.88         | 645,713.19        |  |
| 5,061.00     | 9.30       | 308.50               | 5,030.97      | 158.93           | 159.32        | -282.56       | 324.38                     | 299.42                 | 466,822.94         | 645,701.14        |  |
| 5,151.00     | 8.80       | 306.50               | 5,119.85      | 167.53           | 167.94        | -293.79       | 338.40                     | 299.75                 | 466,831.56         | 645,689.91        |  |
| 5,240.00     | 8.10       | 303.90               | 5,207.89      | 175.06           | 175.49        | -304.46       | 351.42                     | 299.96                 | 466,839.11         | 645,679.24        |  |
| 5,330.00     | 8.30       | 306.50               | 5,296.97      | 182.45           | 182.89        | -314.95       | 364.20                     | 300.14                 | 466,846.51         | 645,668.75        |  |
| 5,420.00     | 9.70       | 306.20               | 5,385.86      | 190.78           | 191.23        | -326.29       | 378.20                     | 300.37                 | 466,854.85         | 645,657.41        |  |
| 5,509.00     | 9.70       | 303.40               | 5,473.58      | 199.31           | 199.79        | -338.60       | 393.15                     | 300.54                 | 466,863.41         | 645,645.10        |  |
| 5,599.00     | 9.10       | 301.10               | 5,562.38      | 207.15           | 207.64        | -351.02       | 407.84                     | 300.61                 | 466,871.26         | 645,632.68        |  |
| 5,688.00     | 8.30       | 300.00               | 5,650.35      | 213.98           | 214.48        | -362.61       | 421.30                     | 300.60                 | 466,878.10         | 645,621.09        |  |
| 5,778.00     | 8.30       | 302.60               | 5,739.41      | 220.71           | 221.23        | -373.71       | 434.29                     | 300.62                 | 466,884.85         | 645,609.99        |  |
| 5,867.00     | 8.40       | 305.10               | 5,827.47      | 227.89           | 228.43        | -384.44       | 447.19                     | 300.72                 | 466,892.05         | 645,599.26        |  |
| 5,957.00     | 7.90       | 300.90               | 5,916.56      | 234.84           | 235.39        | -395.13       | 459.93                     | 300.78                 | 466,899.01         | 645,588.57        |  |
| 6,046.00     | 9.00       | 307.30               | 6,004.59      | 242.18           | 242.75        | -405.91       | 472.96                     | 300.88                 | 466,906.37         | 645,577.79        |  |
| 6,136.00     | 9.20       | 307.40               | 6,093.46      | 250.80           | 251.38        | -417.23       | 487.11                     | 301.07                 | 466,915.00         | 645,566.47        |  |
| 6,226.00     | 8.30       | 304.50               | 6,182.41      | 258.83           | 259.43        | -428.30       | 500.74                     | 301.20                 | 466,923.05         | 645,555.40        |  |
| 6,315.00     | 7.80       | 302.70               | 6,270.53      | 265.72           | 266.33        | -438.68       | 513.20                     | 301.26                 | 466,929.95         | 645,545.02        |  |
| 6,405.00     | 6.30       | 306.00               | 6,359.85      | 271.91           | 272.54        | -447.81       | 524.22                     | 301.32                 | 466,936.16         | 645,535.89        |  |
| 6,496.00     | 6.10       | 304.90               | 6,450.32      | 277.60           | 278.24        | -455.81       | 534.03                     | 301.40                 | 466,941.86         | 645,527.89        |  |
| 6,585.00     | 4.30       | 298.70               | 6,538.95      | 281.90           | 282.55        | -462.62       | 542.08                     | 301.41                 | 466,946.17         | 645,521.08        |  |



# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

| Survey       |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|----------------------------|------------------------|--------------------|-------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | Northing<br>(usft) | Easting<br>(usft) |  |
| 6,674.00     | 3.80       | 293.60               | 6,627.73      | 284.67           | 285.33        | -468.25       | 548.33                     | 301.36                 | 466,948.95         | 645,515.45        |  |
| 6,764.00     | 3.60       | 294.20               | 6,717.54      | 287.02           | 287.68        | -473.56       | 554.09                     | 301.28                 | 466,951.30         | 645,510.14        |  |
| 6,853.00     | 3.10       | 289.00               | 6,806.39      | 288.94           | 289.61        | -478.38       | 559.22                     | 301.19                 | 466,953.23         | 645,505.32        |  |
| 6,943.00     | 3.30       | 267.30               | 6,896.25      | 289.61           | 290.28        | -483.27       | 563.75                     | 300.99                 | 466,953.90         | 645,500.43        |  |
| 7,033.00     | 2.20       | 288.50               | 6,986.15      | 290.03           | 290.71        | -487.50       | 567.60                     | 300.81                 | 466,954.33         | 645,496.20        |  |
| 7,123.00     | 3.10       | 327.50               | 7,076.06      | 292.62           | 293.31        | -490.44       | 571.46                     | 300.88                 | 466,956.93         | 645,493.26        |  |
| 7,213.00     | 3.20       | 327.60               | 7,165.92      | 296.79           | 297.48        | -493.10       | 575.88                     | 301.10                 | 466,961.10         | 645,490.60        |  |
| 7,302.00     | 12.60      | 343.40               | 7,253.99      | 308.21           | 308.91        | -497.21       | 585.36                     | 301.85                 | 466,972.53         | 645,486.49        |  |
| 7,392.00     | 17.60      | 346.00               | 7,340.85      | 330.83           | 331.53        | -503.31       | 602.69                     | 303.37                 | 466,995.15         | 645,480.39        |  |
| 7,481.00     | 27.90      | 344.10               | 7,422.82      | 363.99           | 364.70        | -512.30       | 628.85                     | 305.45                 | 467,028.32         | 645,471.40        |  |
| 7,570.00     | 39.20      | 352.90               | 7,496.91      | 412.09           | 412.82        | -521.51       | 665.13                     | 308.36                 | 467,076.44         | 645,462.19        |  |
| 7,660.00     | 51.60      | 3.20                 | 7,560.07      | 475.86           | 476.59        | -523.07       | 707.63                     | 312.34                 | 467,140.21         | 645,460.63        |  |
| 7,749.00     | 61.60      | 7.00                 | 7,609.01      | 549.75           | 550.47        | -516.33       | 754.73                     | 316.83                 | 467,214.09         | 645,467.37        |  |
| 7,839.00     | 68.70      | 5.20                 | 7,646.81      | 630.91           | 631.62        | -507.70       | 810.37                     | 321.21                 | 467,295.24         | 645,476.00        |  |
| 7,928.00     | 75.10      | 3.00                 | 7,674.45      | 715.25           | 715.96        | -501.68       | 874.23                     | 324.98                 | 467,379.58         | 645,482.02        |  |
| 8,018.00     | 80.20      | 2.40                 | 7,693.70      | 803.05           | 803.75        | -497.54       | 945.28                     | 328.24                 | 467,467.37         | 645,486.16        |  |
| 8,108.00     | 83.90      | 0.00                 | 7,706.14      | 892.15           | 892.84        | -495.69       | 1,021.21                   | 330.96                 | 467,556.46         | 645,488.01        |  |
| 8,197.00     | 87.70      | 358.90               | 7,712.66      | 980.88           | 981.58        | -496.54       | 1,100.02                   | 333.17                 | 467,645.20         | 645,487.16        |  |
| 8,287.00     | 91.10      | 0.80                 | 7,713.60      | 1,070.86         | 1,071.56      | -496.78       | 1,181.11                   | 335.13                 | 467,735.18         | 645,486.92        |  |
| 8,377.00     | 92.90      | 1.10                 | 7,710.46      | 1,160.79         | 1,161.48      | -495.28       | 1,262.68                   | 336.91                 | 467,825.10         | 645,488.42        |  |
| 8,467.00     | 93.40      | 1.20                 | 7,705.52      | 1,250.64         | 1,251.33      | -493.48       | 1,345.12                   | 338.48                 | 467,914.95         | 645,490.22        |  |
| 8,556.00     | 93.50      | 0.50                 | 7,700.16      | 1,339.47         | 1,340.16      | -492.16       | 1,427.67                   | 339.83                 | 468,003.78         | 645,491.54        |  |
| 8,646.00     | 92.10      | 0.40                 | 7,695.76      | 1,429.36         | 1,430.05      | -491.46       | 1,512.14                   | 341.03                 | 468,093.67         | 645,492.24        |  |
| 8,735.00     | 87.90      | 358.80               | 7,695.76      | 1,518.33         | 1,519.02      | -492.08       | 1,596.74                   | 342.05                 | 468,182.64         | 645,491.62        |  |
| 8,824.00     | 89.60      | 358.70               | 7,697.71      | 1,607.28         | 1,607.98      | -494.02       | 1,682.15                   | 342.92                 | 468,271.60         | 645,489.68        |  |
| 8,914.00     | 88.50      | 359.50               | 7,699.20      | 1,697.26         | 1,697.95      | -495.43       | 1,768.75                   | 343.73                 | 468,361.57         | 645,488.27        |  |
| 9,003.00     | 89.30      | 359.50               | 7,700.91      | 1,786.24         | 1,786.93      | -496.21       | 1,854.55                   | 344.48                 | 468,450.55         | 645,487.49        |  |



# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

| Survey       |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|----------------------------|------------------------|--------------------|-------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | Northing<br>(usft) | Easting<br>(usft) |  |
| 9,093.00     | 91.70      | 359.30               | 7,700.12      | 1,876.22         | 1,876.91      | -497.15       | 1,941.64                   | 345.16                 | 468,540.53         | 645,486.55        |  |
| 9,182.00     | 90.50      | 359.10               | 7,698.41      | 1,965.19         | 1,965.89      | -498.39       | 2,028.08                   | 345.77                 | 468,629.51         | 645,485.31        |  |
| 9,273.00     | 87.00      | 0.60                 | 7,700.40      | 2,056.15         | 2,056.85      | -498.63       | 2,116.43                   | 346.37                 | 468,720.47         | 645,485.07        |  |
| 9,362.00     | 88.00      | 1.20                 | 7,704.28      | 2,145.06         | 2,145.75      | -497.24       | 2,202.61                   | 346.95                 | 468,809.37         | 645,486.46        |  |
| 9,452.00     | 90.20      | 1.00                 | 7,705.69      | 2,235.02         | 2,235.72      | -495.51       | 2,289.97                   | 347.50                 | 468,899.34         | 645,488.19        |  |
| 9,542.00     | 89.00      | 0.80                 | 7,706.32      | 2,325.01         | 2,325.70      | -494.10       | 2,377.61                   | 348.01                 | 468,989.32         | 645,489.60        |  |
| 9,631.00     | 89.80      | 1.60                 | 7,707.25      | 2,413.99         | 2,414.68      | -492.23       | 2,464.34                   | 348.48                 | 469,078.30         | 645,491.47        |  |
| 9,721.00     | 91.70      | 1.60                 | 7,706.08      | 2,503.94         | 2,504.63      | -489.72       | 2,552.06                   | 348.94                 | 469,168.25         | 645,493.98        |  |
| 9,811.00     | 90.60      | 1.90                 | 7,704.27      | 2,593.89         | 2,594.57      | -486.97       | 2,639.87                   | 349.37                 | 469,258.19         | 645,496.73        |  |
| 9,900.00     | 91.70      | 2.20                 | 7,702.48      | 2,682.81         | 2,683.49      | -483.79       | 2,726.75                   | 349.78                 | 469,347.11         | 645,499.91        |  |
| 9,990.00     | 90.50      | 0.60                 | 7,700.75      | 2,772.77         | 2,773.45      | -481.59       | 2,814.95                   | 350.15                 | 469,437.07         | 645,502.11        |  |
| 10,080.00    | 89.50      | 359.30               | 7,700.75      | 2,862.77         | 2,863.44      | -481.67       | 2,903.67                   | 350.45                 | 469,527.06         | 645,502.03        |  |
| 10,169.00    | 90.20      | 358.80               | 7,700.99      | 2,951.75         | 2,952.43      | -483.14       | 2,991.70                   | 350.71                 | 469,616.05         | 645,500.56        |  |
| 10,258.00    | 92.00      | 359.00               | 7,699.28      | 3,040.71         | 3,041.39      | -484.85       | 3,079.80                   | 350.94                 | 469,705.01         | 645,498.85        |  |
| 10,348.00    | 90.40      | 359.20               | 7,697.39      | 3,130.68         | 3,131.36      | -486.27       | 3,168.89                   | 351.17                 | 469,794.98         | 645,497.43        |  |
| 10,437.00    | 89.40      | 0.00                 | 7,697.55      | 3,219.67         | 3,220.35      | -486.89       | 3,256.95                   | 351.40                 | 469,883.97         | 645,496.81        |  |
| 10,527.00    | 88.00      | 358.80               | 7,699.59      | 3,309.64         | 3,310.32      | -487.83       | 3,346.07                   | 351.62                 | 469,973.94         | 645,495.87        |  |
| 10,616.00    | 89.20      | 358.40               | 7,701.77      | 3,398.58         | 3,399.27      | -490.00       | 3,434.40                   | 351.80                 | 470,062.89         | 645,493.70        |  |
| 10,706.00    | 88.80      | 358.10               | 7,703.34      | 3,488.52         | 3,489.21      | -492.75       | 3,523.83                   | 351.96                 | 470,152.83         | 645,490.95        |  |
| 10,795.00    | 90.90      | 358.50               | 7,703.57      | 3,577.47         | 3,578.17      | -495.39       | 3,612.30                   | 352.12                 | 470,241.79         | 645,488.31        |  |
| 10,885.00    | 90.20      | 359.50               | 7,702.71      | 3,667.45         | 3,668.15      | -496.96       | 3,701.66                   | 352.28                 | 470,331.77         | 645,486.74        |  |
| 10,975.00    | 87.00      | 359.10               | 7,704.90      | 3,757.40         | 3,758.10      | -498.06       | 3,790.96                   | 352.45                 | 470,421.72         | 645,485.64        |  |
| 11,064.00    | 87.70      | 359.30               | 7,709.02      | 3,846.30         | 3,847.00      | -499.30       | 3,879.26                   | 352.60                 | 470,510.62         | 645,484.40        |  |
| 11,154.00    | 89.30      | 359.50               | 7,711.38      | 3,936.26         | 3,936.96      | -500.24       | 3,968.61                   | 352.76                 | 470,600.58         | 645,483.46        |  |
| 11,244.00    | 91.60      | 0.20                 | 7,710.67      | 4,026.25         | 4,026.95      | -500.48       | 4,057.93                   | 352.92                 | 470,690.57         | 645,483.22        |  |
| 11,333.00    | 92.00      | 0.30                 | 7,707.87      | 4,115.20         | 4,115.90      | -500.09       | 4,146.17                   | 353.07                 | 470,779.52         | 645,483.61        |  |
| 11,423.00    | 90.30      | 0.30                 | 7,706.07      | 4,205.18         | 4,205.88      | -499.62       | 4,235.45                   | 353.23                 | 470,869.50         | 645,484.08        |  |



# ProDirectional Survey Report



|                  |                         |                                     |                    |
|------------------|-------------------------|-------------------------------------|--------------------|
| <b>Company:</b>  | Marathon Oil            | <b>Local Co-ordinate Reference:</b> | Well No. 21H       |
| <b>Project:</b>  | Eddy County, NM(NAD 83) | <b>TVD Reference:</b>               | Well @ 3028.00usft |
| <b>Site:</b>     | Blue Steel 21 FB Fee    | <b>MD Reference:</b>                | Well @ 3028.00usft |
| <b>Well:</b>     | No. 21H                 | <b>North Reference:</b>             | Grid               |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature  |
| <b>Design:</b>   | MWD                     | <b>Database:</b>                    | WellPlanner1       |

| Survey                        |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
|-------------------------------|------------|----------------------|---------------|------------------|---------------|---------------|----------------------------|------------------------|--------------------|-------------------|--|
| MD<br>(usft)                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | Northing<br>(usft) | Easting<br>(usft) |  |
| 11,511.00                     | 89.20      | 0.60                 | 7,706.45      | 4,293.18         | 4,293.88      | -498.93       | 4,322.77                   | 353.37                 | 470,957.50         | 645,484.77        |  |
| 11,601.00                     | 90.20      | 0.50                 | 7,706.92      | 4,383.17         | 4,383.87      | -498.07       | 4,412.07                   | 353.52                 | 471,047.49         | 645,485.63        |  |
| 11,691.00                     | 89.70      | 0.10                 | 7,707.00      | 4,473.17         | 4,473.87      | -497.59       | 4,501.45                   | 353.65                 | 471,137.49         | 645,486.11        |  |
| 11,780.00                     | 89.50      | 359.50               | 7,707.62      | 4,562.17         | 4,562.86      | -497.90       | 4,589.95                   | 353.77                 | 471,226.48         | 645,485.80        |  |
| 11,870.00                     | 90.80      | 359.50               | 7,707.39      | 4,652.16         | 4,652.86      | -498.69       | 4,679.51                   | 353.88                 | 471,316.48         | 645,485.01        |  |
| 11,959.00                     | 90.90      | 359.50               | 7,706.07      | 4,741.14         | 4,741.85      | -499.47       | 4,768.08                   | 353.99                 | 471,405.47         | 645,484.23        |  |
| 12,049.00                     | 90.70      | 0.00                 | 7,704.81      | 4,831.13         | 4,831.84      | -499.86       | 4,857.62                   | 354.09                 | 471,495.46         | 645,483.84        |  |
| 12,139.00                     | 88.70      | 0.40                 | 7,705.28      | 4,921.13         | 4,921.83      | -499.55       | 4,947.12                   | 354.20                 | 471,585.45         | 645,484.15        |  |
| 12,229.00                     | 87.30      | 0.20                 | 7,708.42      | 5,011.07         | 5,011.77      | -499.07       | 5,036.56                   | 354.31                 | 471,675.39         | 645,484.63        |  |
| 12,318.00                     | 85.90      | 0.10                 | 7,713.70      | 5,099.91         | 5,100.61      | -498.84       | 5,124.95                   | 354.41                 | 471,764.23         | 645,484.86        |  |
| 12,408.00                     | 87.10      | 0.00                 | 7,719.19      | 5,189.74         | 5,190.44      | -498.76       | 5,214.35                   | 354.51                 | 471,854.06         | 645,484.94        |  |
| 12,498.00                     | 87.60      | 359.50               | 7,723.35      | 5,279.64         | 5,280.34      | -499.16       | 5,303.88                   | 354.60                 | 471,943.96         | 645,484.54        |  |
| 12,587.00                     | 86.90      | 359.30               | 7,727.62      | 5,368.53         | 5,369.24      | -500.09       | 5,392.48                   | 354.68                 | 472,032.86         | 645,483.61        |  |
| 12,677.00                     | 87.40      | 359.00               | 7,732.10      | 5,458.41         | 5,459.12      | -501.42       | 5,482.09                   | 354.75                 | 472,122.74         | 645,482.28        |  |
| 12,709.00                     | 88.00      | 359.10               | 7,733.38      | 5,490.38         | 5,491.08      | -501.95       | 5,513.98                   | 354.78                 | 472,154.70         | 645,481.75        |  |
| <b>Last Survey: 12709' MD</b> |            |                      |               |                  |               |               |                            |                        |                    |                   |  |
| 12,770.00                     | 88.00      | 359.10               | 7,735.51      | 5,551.33         | 5,552.04      | -502.91       | 5,574.77                   | 354.82                 | 472,215.66         | 645,480.79        |  |
| <b>PTB: 12770' MD</b>         |            |                      |               |                  |               |               |                            |                        |                    |                   |  |

| Design Annotations          |                             |                   |                 |                               |  |
|-----------------------------|-----------------------------|-------------------|-----------------|-------------------------------|--|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 |                               |  |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) | Comment                       |  |
| 418.00                      | 417.99                      | 2.50              | 1.18            | Pro MWD First Survey: 418' MD |  |
| 12,709.00                   | 7,733.38                    | 5,491.08          | -501.95         | Last Survey: 12709' MD        |  |
| 12,770.00                   | 7,735.51                    | 5,552.04          | -502.91         | PTB: 12770' MD                |  |

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

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

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

|                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-015-45901                                                                                                                                                                                           |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>                                                                                                                    |
| 6. State Oil & Gas Lease No.                                                                                                                                                                                           |
| 7. Lease Name or Unit Agreement Name<br>Blue Steel 21 FB Fee                                                                                                                                                           |
| 8. Well Number 21H                                                                                                                                                                                                     |
| 9. OGRID Number<br>372098                                                                                                                                                                                              |
| 10. Pool name or Wildcat<br>Laguna Salado; Bone Spring                                                                                                                                                                 |
| 4. Well Location<br>Unit Letter <u>D</u> : <u>270</u> feet from the <u>NORTH</u> line and <u>1165</u> feet from the <u>WEST</u> line<br>Section <u>28</u> Township <u>23S</u> Range <u>29E</u> NMPM County <u>EDDY</u> |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3001' GL                                                                                                                                                         |

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
Marathon Oil Permian LLC

3. Address of Operator  
990 Town & Country Blvd. Houston, TX 77024

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

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

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

3/1/2020 - Perform Production Casing Pressure test to 9000 psi for 30 min, held. Good Test.

8/27/2021 - Start Frac Prep Operations,

9/19/2021 - MIRU Frac and Equip

9/21/2021 - Perf Stages 1 - 16 with 2 shots per foot for a total of 474 shots, 0.36-in. in size using 9,234,829 lbs of 100 Mesh Sand, stimulated with 756 gal of 15% HCl Acid. Total production interval from 8,003' to 12,627'. End Frac on 9/25/2021

10/12/2021 - RDMO. Ready to Produce

10/17/2021 - Turn to production and start flowback.

Spud Date:

8/25/2019

Rig Release Date:

10/1/2019

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

SIGNATURE Adrian Covarrubias TITLE Regulatory Professional DATE 10/19/2021

Type or print name Adrian Covarrubias E-mail address: acovarrubias@marathonoil.com PHONE: 713-296-3368

**For State Use Only**

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 1/31/2022

Conditions of Approval (if any):



|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------|--------------------------------------------|--------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------|------------|---------------|
| Submit To Appropriate District Office<br>Two Copies<br><u>District I</u><br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u><br>811 S. First St., Artesia, NM 88210<br><u>District III</u><br>1000 Rio Brazos Rd., Aztec, NM 87410<br><u>District IV</u><br>1220 S. St. Francis Dr., Santa Fe, NM 87505                                                                          |                                    | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> |                                                       |                 | <b>Form C-105</b><br>Revised April 3, 2017 |                                                        |                 |                                                                                                                                |            |               |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                                                                     |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 | 1. WELL API NO.<br>30-015-45901                                                                                                |            |               |
| 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) |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 | 2. Type of Lease<br><input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 | 3. State Oil & Gas Lease No.                                                                                                   |            |               |
| 5. Lease Name or Unit Agreement Name                                                                                                                                                                                                                                                                                                                                                      |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 | 6. Well Number:<br><br>Blue Steel 21 FB Fee 21H                                                                                |            |               |
| 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>Marathon Oil Permian LLC                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | 9. OGRID<br>372098                                     |                 |                                                                                                                                |            |               |
| 10. Address of Operator<br>990 Town & Country Blvd. Houston, TX 77024                                                                                                                                                                                                                                                                                                                     |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | 11. Pool name or Wildcat<br>Laguna Salado; Bone Spring |                 |                                                                                                                                |            |               |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                              | Unit Ltr                           | Section                                                                                                                                                                               | Township                                              | Range           | Lot                                        | Feet from the                                          | N/S Line        | Feet from the                                                                                                                  | E/W Line   | County        |
| Surface:                                                                                                                                                                                                                                                                                                                                                                                  | D                                  | 28                                                                                                                                                                                    | 23S                                                   | 29E             |                                            | 270                                                    | N               | 1165                                                                                                                           | W          | Eddy          |
| BH:                                                                                                                                                                                                                                                                                                                                                                                       | D                                  | 21                                                                                                                                                                                    | 23S                                                   | 29E             |                                            | 37                                                     | N               | 657                                                                                                                            | W          | Eddy          |
| 13. Date Spudded<br>8/25/2019                                                                                                                                                                                                                                                                                                                                                             | 14. Date T.D. Reached<br>9/28/2019 |                                                                                                                                                                                       | 15. Date Rig Released<br>10/1/2019                    |                 |                                            | 16. Date Completed (Ready to Produce)<br>10/12/2021    |                 | 17. Elevations (DF and RKB, RT, GR, etc.)<br>3001' GL                                                                          |            |               |
| 18. Total Measured Depth of Well<br>12770' MD / 7736' TVD                                                                                                                                                                                                                                                                                                                                 |                                    |                                                                                                                                                                                       | 19. Plug Back Measured Depth<br>12708' MD / 7733' TVD |                 |                                            | 20. Was Directional Survey Made?<br>Yes                |                 | 21. Type Electric and Other Logs Run<br>GR                                                                                     |            |               |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name<br>8003' - 12627' MD, Bone Spring                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| <b>23. CASING RECORD (Report all strings set in well)</b>                                                                                                                                                                                                                                                                                                                                 |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                               |                                    | WEIGHT LB./FT.                                                                                                                                                                        |                                                       | DEPTH SET       |                                            | HOLE SIZE                                              |                 | CEMENTING RECORD                                                                                                               |            | AMOUNT PULLED |
| 13-3/8"                                                                                                                                                                                                                                                                                                                                                                                   |                                    | 54.5#, J55, STC                                                                                                                                                                       |                                                       | 372'            |                                            | 17-1/2"                                                |                 | 490                                                                                                                            |            |               |
| 9-5/8"                                                                                                                                                                                                                                                                                                                                                                                    |                                    | 36#, J55, LTC                                                                                                                                                                         |                                                       | 2972'           |                                            | 12-1/4"                                                |                 | 1120                                                                                                                           |            |               |
| 5-1/2"                                                                                                                                                                                                                                                                                                                                                                                    |                                    | 17#, P110, CYHP BHT                                                                                                                                                                   |                                                       | 12756'          |                                            | 8-3/4"                                                 |                 | 2690                                                                                                                           |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| 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>8003' - 12627' MD, 0.36", 474 shots                                                                                                                                                                                                                                                                                                |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.        |                 |                                                                                                                                |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | DEPTH INTERVAL                                         |                 | AMOUNT AND KIND MATERIAL USED                                                                                                  |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | 8003' - 12627' MD                                      |                 | 9,234,829 lbs - 100 Mesh                                                                                                       |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | 8003' - 12627' MD                                      |                 | 756 gal - 15% HCl Acid                                                                                                         |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            | 8003' - 12627' MD                                      |                 | 189907 bbls Brackish Water                                                                                                     |            |               |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                     |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| Date First Production<br>10/17/2021                                                                                                                                                                                                                                                                                                                                                       |                                    | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing                                                                                                        |                                                       |                 |                                            | Well Status (Prod. or Shut-in)<br>Producing            |                 |                                                                                                                                |            |               |
| Date of Test<br>10/17/2021                                                                                                                                                                                                                                                                                                                                                                | Hours Tested<br>24                 | Choke Size<br>18/64                                                                                                                                                                   | Prod'n For Test Period                                | Oil - Bbl<br>65 | Gas - MCF<br>258                           | Water - Bbl.<br>261                                    | Gas - Oil Ratio |                                                                                                                                |            |               |
| Flow Tubing Press.                                                                                                                                                                                                                                                                                                                                                                        | Casing Pressure                    | Calculated 24-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                                                                                                          |            |               |
| 31. List Attachments                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 | 33. Rig Release Date:                                                                                                          |            |               |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial:                                                                                                                                                                                                                                                                                           |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| Latitude                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                                                                                                                                                       |                                                       | Longitude       |                                            |                                                        |                 | NAD83                                                                                                                          |            |               |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |
| Signature                                                                                                                                                                                                                                                                                                                                                                                 |                                    |                                                                                                                                                                                       | Printed Name                                          |                 |                                            | Title                                                  |                 |                                                                                                                                | Date       |               |
|                                                                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                                                       | Adrian Covarrubias                                    |                 |                                            | Regulatory Professional                                |                 |                                                                                                                                | 10/19/2021 |               |
| E-mail Address acovarrubias@marathonoil.com                                                                                                                                                                                                                                                                                                                                               |                                    |                                                                                                                                                                                       |                                                       |                 |                                            |                                                        |                 |                                                                                                                                |            |               |

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

| Southeastern New Mexico |                        | Northwestern New Mexico |                  |
|-------------------------|------------------------|-------------------------|------------------|
| T. Anhy                 | T. Canyon 3038'        | T. Ojo Alamo            | T. Penn A"       |
| T. Salt                 | T. Strawn              | T. Kirtland             | T. Penn. "B"     |
| B. Salt 2956'           | T. Atoka               | T. Fruitland            | T. Penn. "C"     |
| T. Yates                | 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 Greenhorn          | T. Granite       |
| T. Blinebry             | T. Gr. Wash            | T. Dakota               |                  |
| T. Tubb                 | T. Delaware Sand       | T. Morrison             |                  |
| T. Drinkard             | T. Bone Springs 6704'  | T. Todilto              |                  |
| T. Abo                  | T. Lamar 3003'         | T. Entrada              |                  |
| T. Wolfcamp             | T. Cherry Canyon 3911' | T. Wingate              |                  |
| T. Penn                 | T. Brushy Canyon 5084' | T. Chinle               |                  |
| T. Cisco (Bough C)      | T.                     | T. Permian              |                  |

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

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

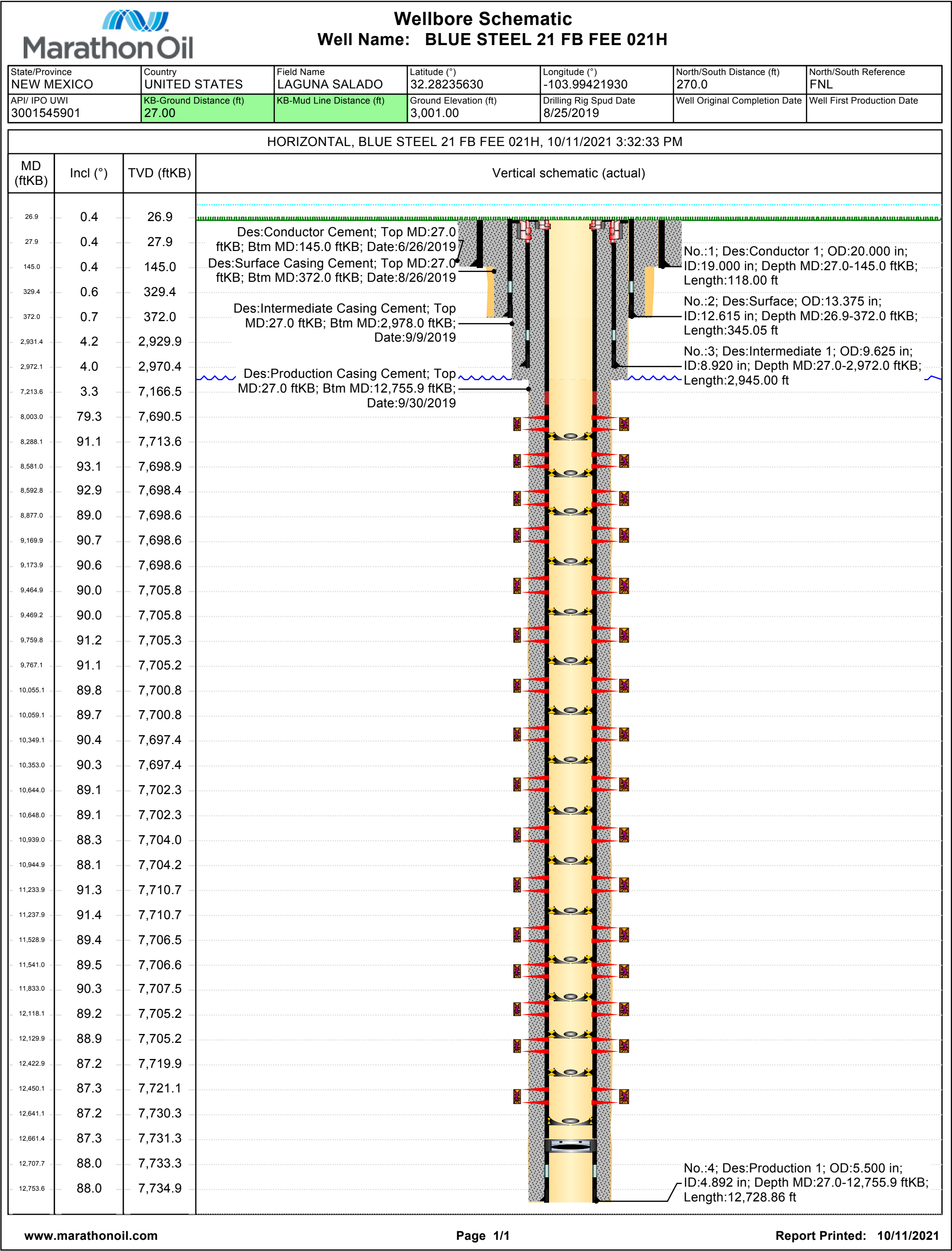
No. 3, from.....to.....

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

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

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

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



**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 56724

**ACKNOWLEDGMENTS**

|                                                                                        |                                                    |
|----------------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MARATHON OIL PERMIAN LLC<br>990 Town & Country Blvd.<br>Houston, TX 77024 | OGRID:<br>372098                                   |
|                                                                                        | Action Number:<br>56724                            |
|                                                                                        | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

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

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

CONDITIONS  
  
Action 56724

CONDITIONS

|                                                                                        |                                                    |
|----------------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MARATHON OIL PERMIAN LLC<br>990 Town & Country Blvd.<br>Houston, TX 77024 | OGRID:<br>372098                                   |
|                                                                                        | Action Number:<br>56724                            |
|                                                                                        | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| plmartinez | None      | 1/31/2022      |