

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

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                                        |                                                        |                                                           |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|
| <sup>1</sup> Operator name and Address<br>Matador Production Company<br>5400 LBJ Freeway, Ste 1500<br>Dallas, TX 75240 |                                                        | <sup>2</sup> OGRID Number<br>228937                       |
|                                                                                                                        |                                                        | <sup>3</sup> Reason for Filing Code/ Effective Date<br>RT |
| <sup>4</sup> API Number<br>30 - 0 15-46903                                                                             | <sup>5</sup> Pool Name<br>AVALON; BONE SPRING, EAST    | <sup>6</sup> Pool Code<br>3713                            |
| <sup>7</sup> Property Code<br>326053                                                                                   | <sup>8</sup> Property Name<br>Leatherneck 3029 Fed Com | <sup>9</sup> Well Number<br>128H                          |

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 |
| 4             | 30      | 20S      | 29E   |         | 1245          | South            | 280           | 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 |
| P                           | 29                                             | 20S                                  | 29E                               |                                    | 354                                 | South            | 42            | East           | Eddy   |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method<br>Code<br>Flow | <sup>14</sup> Gas Connection<br>Date | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                  |               |                |        |

III. Oil and Gas Transporters

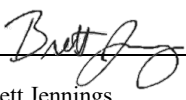
|                                    |                                                                                      |                     |
|------------------------------------|--------------------------------------------------------------------------------------|---------------------|
| <sup>18</sup> Transporter<br>OGRID | <sup>19</sup> Transporter Name<br>and Address                                        | <sup>20</sup> O/G/W |
| 371242                             | LONGWOOD RB PIPELINE, LLC<br>5400 LBJ FREEWAY, STE 1500<br>DALLAS, TX 75240          | G                   |
| 329461                             | San Mateo Black River Oil Pipeline<br>5400 LBJ FREEWAY, STE 1500<br>DALLAS, TX 75240 | O                   |
|                                    |                                                                                      |                     |
|                                    |                                                                                      |                     |
|                                    |                                                                                      |                     |

IV. Well Completion Data

|                                       |                                        |                                       |                                          |                            |                       |
|---------------------------------------|----------------------------------------|---------------------------------------|------------------------------------------|----------------------------|-----------------------|
| <sup>21</sup> Spud Date<br>03/20/2021 | <sup>22</sup> Ready Date<br>06/23/2021 | <sup>23</sup> TD<br>18060MD/ 8090 TVD | <sup>24</sup> PBTD<br>17946 MD / 8086TVD | <sup>25</sup> Perforations | <sup>26</sup> DHC, MC |
| <sup>27</sup> Hole Size               | <sup>28</sup> Casing & Tubing Size     | <sup>29</sup> Depth Set               | <sup>30</sup> Sacks Cement               |                            |                       |
| 26"                                   | 20"                                    | 384                                   | 1250                                     |                            |                       |
| 17 1/2"                               | 13 3/8"                                | 1180                                  | 1385                                     |                            |                       |
| 12 1/4                                | 9 5/8                                  | 3055                                  | 1410                                     | Stage tool @ 1177'         |                       |
| 8 3/4                                 | 7<br>5 1/2                             | 7271<br>18040                         | 3135                                     |                            |                       |

V. Well Test Data

|                            |                                 |                         |                           |                             |                             |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| <sup>31</sup> Date New Oil | <sup>32</sup> Gas Delivery Date | <sup>33</sup> Test Date | <sup>34</sup> Test Length | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure |
| <sup>37</sup> Choke Size   | <sup>38</sup> Oil               | <sup>39</sup> Water     | <sup>40</sup> Gas         |                             | <sup>41</sup> Test Method   |

|                                                                                                                                                                                                                                                                                                            |                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <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: Brett Jennings                                                                                                                                                                                                                                                                               | Approved by: KURT SIMMONS |
| Title: Regulatory Analyst                                                                                                                                                                                                                                                                                  | Title: NMOCD, SANTA FE    |
| E-mail Address: Brett.Jennings@matadorresources.com                                                                                                                                                                                                                                                        | Approval Date: 09/07/2021 |
| Date: 07/06/2021                                                                                                                                                                                                                                                                                           | Phone: 972-629-2160       |
| RT C-104 EXPIRES 09/23/2021                                                                                                                                                                                                                                                                                |                           |

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                          |                                                                     |
|-----------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|
| <sup>1</sup> API Number<br>30-015-46903 | <sup>2</sup> Pool Code<br>3713                           | <sup>3</sup> Pool Name<br>AVALON; BONE SPRING, EAST                 |
| <sup>4</sup> Property Code<br>326053    | <sup>5</sup> Property Name<br>LEATHERNECK 3029 FED COM   |                                                                     |
| <sup>7</sup> OGRID No.<br>228937        | <sup>8</sup> Operator Name<br>MATADOR PRODUCTION COMPANY | <sup>6</sup> Well Number<br>128H<br><sup>9</sup> Elevation<br>3236' |

<sup>10</sup>Surface Location

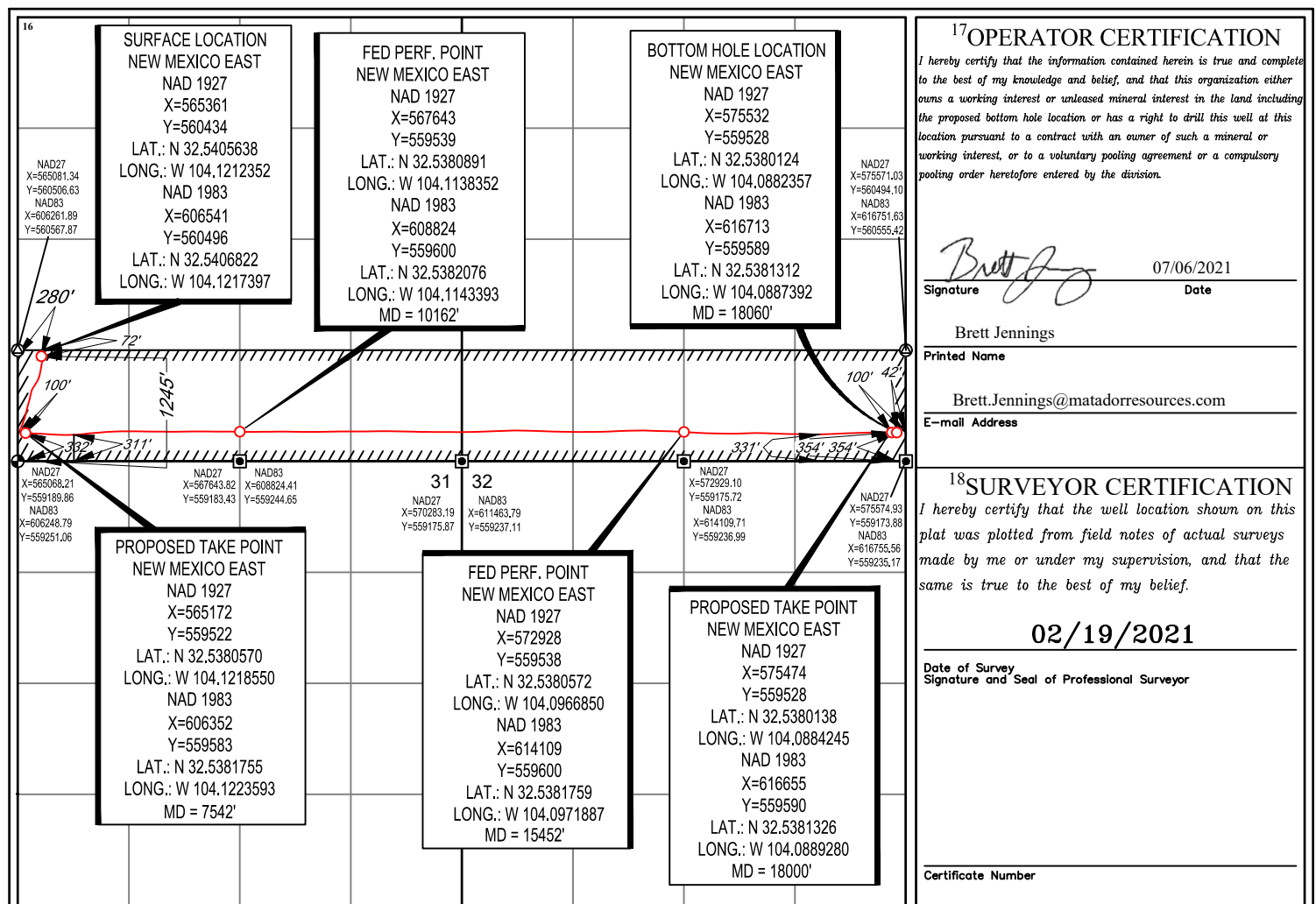
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 4             | 30      | 20-S     | 29-E  | -       | 1245'         | SOUTH            | 280'          | WEST           | EDDY   |

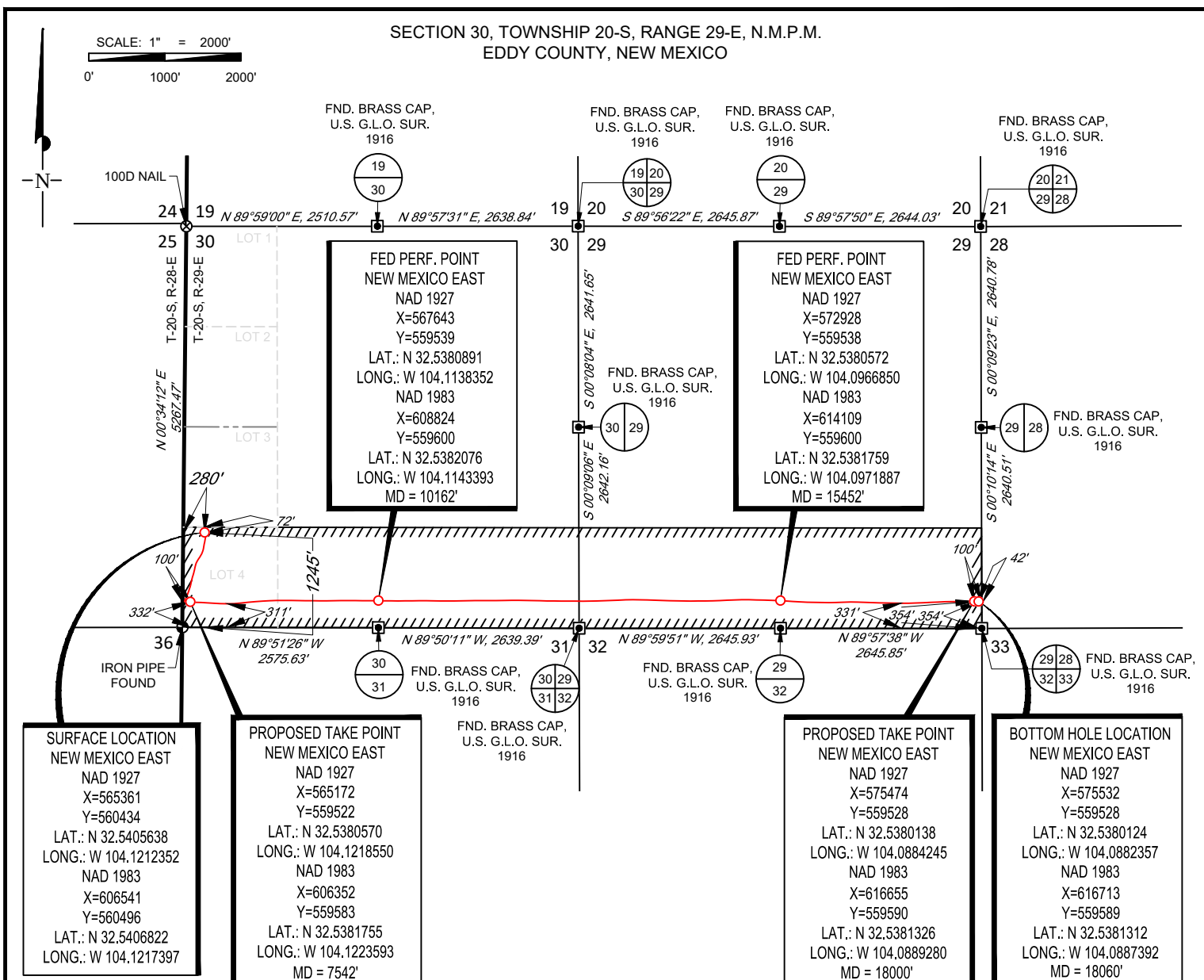
<sup>11</sup>Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 29      | 20-S     | 29-E  | -       | 354'          | SOUTH            | 42'           | EAST           | EDDY   |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>317.82 | <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.





LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 128H  
SECTION 30 TWP. 20-S RGE 29-E SURVEY N.M.P.M.  
COUNTY EDDY STATE NM ELEVATION 3236'  
DESCRIPTION 1245' FSL & 280' FWL

INTERNAL  
PRE-COMPLETION  
PLAT



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM

Angel M. Baeza, License No. 25116  
May 17, 2021

|                                                    |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|-----------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LEATHERNECK 3029<br>FED COM 128H<br>PRE-COMPLETION | REVISION: |  | NOTES:<br>1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"<br>2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.<br>3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY. |
|                                                    |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                    |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                    |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DATE: 05/17/21                                     |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| FILE:C\LEATHERNECK_3029_FED_COM_128H               |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DRAWN BY: GJU                                      |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SHEET : 2 OF 2                                     |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



**Matador Resources**  
**Eddy County, New Mexico (NAD 27)**  
**30-015-46903**  
**Leatherneck 3029 Fed Com 128H**  
**Wellbore 1**

**MS MWD**  
**Certified Survey Report**  
**26 July 2021**



| Field              | Eddy County, New Mexico (NAD 27) - Matador Resources |  |  |
|--------------------|------------------------------------------------------|--|--|
| CRS                | US-SPC27-EXACT / New Mexico East 3001                |  |  |
| Apply Scale Factor | NO                                                   |  |  |
| System Datum       | Mean Sea Level                                       |  |  |
| Scale Factor       | 0.9999090909                                         |  |  |
| Depth Datum->MSL   | 3264.49 UsFt                                         |  |  |

| Well              | Leatherneck 3029 Fed Com 128H      |  |  |
|-------------------|------------------------------------|--|--|
| Local North       | -328.88 UsFt                       |  |  |
| Map Northing      | 560434.00 US survey foot           |  |  |
| Latitude          | 32° 32' 26.03678" N                |  |  |
| Depth Datum / Rig | WELL-Patterson 297 / Patterson 297 |  |  |
| GL Elevation      | 3236.00 UsFt                       |  |  |
| Grid Convergence  | 0.114                              |  |  |
| Local East        | -1.87 UsFt                         |  |  |
| Map Easting       | 565361.00 US survey foot           |  |  |
| Longitude         | 104° 7' 16.43005" W                |  |  |
| Datum Elevation   | 3264.50 UsFt                       |  |  |

| Well bore        | Leatherneck 3029 Fed Com 128H - Wellbore 1 |  |  |
|------------------|--------------------------------------------|--|--|
| Magnetic Model   | User defined                               |  |  |
| Total Field (nT) | 47772.00                                   |  |  |
| Declination (°)  | 7.050                                      |  |  |
| VS Origin        | User Defined                               |  |  |
| VS Origin NS     | 0.00 UsFt                                  |  |  |
| Date             | 23/03/2021                                 |  |  |
| Dip Angle (°)    | 60.217                                     |  |  |
| VS Azimuth       | 90.09                                      |  |  |
| VS Origin EW     | 0.00 UsFt                                  |  |  |

| Survey Program    | MS MWD        |                 |          |
|-------------------|---------------|-----------------|----------|
| Depth From (UsFt) | 0.00          | Depth To (UsFt) | 2938.00  |
| 3087.00           |               | Survey          | VES Gyro |
|                   |               | MS MWD          |          |
| Survey Tool       | VSSI_GYROFLEX |                 |          |
|                   | MWD+HRGM      |                 |          |

| Survey Report |          |          |             |            |            |            |                     |                    |                    |
|---------------|----------|----------|-------------|------------|------------|------------|---------------------|--------------------|--------------------|
| MD<br>UsFt    | Inc<br>° | Azi<br>° | TVD<br>UsFt | NS<br>UsFt | EW<br>UsFt | VS<br>UsFt | DLS<br>(°/100 UsFt) | BR<br>(°/100 UsFt) | TR<br>(°/100 UsFt) |
| 2938.00       | 17.13    | 207.37   | 2908.10     | -289.41    | -42.36     | -41.91     | 0.00                | 0.00               | 0.00 Tie In        |
| 3087.00       | 18.90    | 214.63   | 3049.81     | -328.76    | -66.17     | -65.65     | 1.92                | 1.19               | 4.87               |
| 3119.00       | 19.38    | 214.10   | 3080.04     | -337.42    | -72.09     | -71.56     | 1.60                | 1.50               | -1.66              |
| 3215.00       | 14.42    | 211.46   | 3171.87     | -360.82    | -87.27     | -86.70     | 5.23                | -5.17              | -2.75              |
| 3310.00       | 13.80    | 211.73   | 3264.00     | -380.55    | -99.40     | -98.80     | 0.66                | -0.65              | 0.28               |
| 3405.00       | 13.19    | 203.02   | 3356.39     | -400.16    | -109.60    | -108.97    | 2.23                | -0.64              | -9.17              |
| 3501.00       | 12.48    | 194.41   | 3449.99     | -420.29    | -116.46    | -115.80    | 2.12                | -0.74              | -8.97              |
| 3596.00       | 11.60    | 193.00   | 3542.90     | -439.54    | -121.17    | -120.47    | 0.98                | -0.93              | -1.48              |
| 3692.00       | 11.38    | 192.92   | 3636.98     | -458.18    | -125.45    | -124.73    | 0.23                | -0.23              | -0.08              |
| 3787.00       | 10.99    | 192.30   | 3730.18     | -476.16    | -129.48    | -128.73    | 0.43                | -0.41              | -0.65              |
| 3883.00       | 10.59    | 192.04   | 3824.48     | -493.73    | -133.27    | -132.49    | 0.42                | -0.42              | -0.27              |
| 3978.00       | 9.80     | 193.88   | 3917.98     | -510.12    | -137.03    | -136.23    | 0.90                | -0.83              | 1.94               |
| 4074.00       | 10.42    | 195.73   | 4012.49     | -526.40    | -141.34    | -140.52    | 0.73                | 0.65               | 1.93               |
| 4169.00       | 11.78    | 195.64   | 4105.71     | -544.01    | -146.29    | -145.43    | 1.43                | 1.43               | -0.09              |
| 4264.00       | 10.99    | 197.66   | 4198.84     | -561.98    | -151.65    | -150.76    | 0.93                | -0.83              | 2.13               |
| 4360.00       | 12.40    | 193.97   | 4292.84     | -580.70    | -156.91    | -156.00    | 1.66                | 1.47               | -3.84              |
| 4455.00       | 11.78    | 194.94   | 4385.74     | -599.97    | -161.87    | -160.93    | 0.69                | -0.65              | 1.02               |
| 4551.00       | 11.30    | 197.14   | 4479.80     | -618.43    | -167.17    | -166.20    | 0.68                | -0.50              | 2.29               |
| 4646.00       | 11.30    | 190.81   | 4572.96     | -636.46    | -171.66    | -170.66    | 1.30                | 0.00               | -6.66              |
| 4742.00       | 10.90    | 191.07   | 4667.16     | -654.61    | -175.17    | -174.14    | 0.42                | -0.42              | 0.27               |
| 4837.00       | 10.20    | 192.57   | 4760.56     | -671.63    | -178.72    | -177.67    | 0.79                | -0.74              | 1.58               |
| 4933.00       | 11.12    | 195.64   | 4854.90     | -688.85    | -183.07    | -181.99    | 1.13                | 0.96               | 3.20               |
| 5028.00       | 11.12    | 196.96   | 4948.12     | -706.43    | -188.21    | -187.10    | 0.27                | 0.00               | 1.39               |
| 5123.00       | 10.29    | 197.75   | 5041.46     | -723.27    | -193.47    | -192.33    | 0.89                | -0.87              | 0.83               |
| 5219.00       | 11.60    | 197.66   | 5135.71     | -740.64    | -199.01    | -197.85    | 1.36                | 1.36               | -0.09              |
| 5314.00       | 10.99    | 199.86   | 5228.87     | -758.26    | -204.99    | -203.80    | 0.79                | -0.64              | 2.32               |
| 5409.00       | 12.31    | 198.01   | 5321.91     | -776.40    | -211.19    | -209.97    | 1.44                | 1.39               | -1.95              |
| 5505.00       | 11.52    | 199.95   | 5415.85     | -795.15    | -217.63    | -216.38    | 0.92                | -0.82              | 2.02               |
| 5600.00       | 10.29    | 203.11   | 5509.13     | -811.87    | -224.20    | -222.92    | 1.44                | -1.29              | 3.33               |
| 5696.00       | 9.32     | 198.63   | 5603.73     | -827.12    | -230.05    | -228.75    | 1.28                | -1.01              | -4.67              |
| 5791.00       | 8.22     | 200.56   | 5697.61     | -840.77    | -234.89    | -233.57    | 1.20                | -1.16              | 2.03               |
| 5887.00       | 7.30     | 205.84   | 5792.74     | -852.69    | -239.96    | -238.62    | 1.21                | -0.96              | 5.50               |
| 5982.00       | 5.89     | 212.78   | 5887.11     | -862.22    | -245.23    | -243.87    | 1.70                | -1.48              | 7.31               |
| 6078.00       | 6.29     | 203.46   | 5982.57     | -871.18    | -249.99    | -248.62    | 1.11                | 0.42               | -9.71              |
| 6173.00       | 6.11     | 200.30   | 6077.01     | -880.70    | -253.81    | -252.43    | 0.41                | -0.19              | -3.33              |
| 6268.00       | 3.78     | 178.77   | 6171.66     | -888.57    | -255.50    | -254.10    | 3.09                | -2.45              | -22.66             |
| 6363.00       | 0.70     | 133.68   | 6266.58     | -892.11    | -255.01    | -253.61    | 3.50                | -3.24              | -47.46             |
| 6459.00       | 0.62     | 324.75   | 6362.58     | -892.09    | -254.89    | -253.49    | 1.37                | -0.08              | 175.97             |
| 6554.00       | 0.70     | 301.64   | 6457.57     | -891.36    | -255.68    | -254.28    | 0.29                | 0.08               | -24.33             |
| 6649.00       | 1.71     | 188.35   | 6552.56     | -892.46    | -256.38    | -254.98    | 2.20                | 1.06               | -119.25            |
| 6745.00       | 2.42     | 199.07   | 6648.49     | -895.79    | -257.25    | -255.84    | 0.84                | 0.74               | 11.17              |
| 6840.00       | 2.59     | 210.32   | 6743.40     | -899.54    | -258.99    | -257.58    | 0.55                | 0.18               | 11.84              |
| 6935.00       | 1.41     | 187.38   | 6838.35     | -902.55    | -260.22    | -258.81    | 1.48                | -1.24              | -24.15             |
| 7030.00       | 1.71     | 214.80   | 6933.31     | -904.88    | -261.18    | -259.76    | 0.84                | 0.32               | 28.86              |
| 7089.00       | 1.80     | 226.67   | 6992.28     | -906.24    | -262.36    | -260.93    | 0.63                | 0.15               | 20.12              |
| 7120.00       | 1.41     | 215.50   | 7023.27     | -906.88    | -262.93    | -261.51    | 1.61                | -1.26              | -36.03             |
| 7216.00       | 0.22     | 191.77   | 7119.26     | -908.02    | -263.66    | -262.23    | 1.26                | -1.24              | -24.72             |
| 7311.00       | 3.30     | 93.16    | 7214.21     | -908.35    | -260.96    | -259.54    | 3.52                | 3.24               | -103.80            |
| 7407.00       | 17.49    | 91.05    | 7308.39     | -908.77    | -243.69    | -242.27    | 14.78               | 14.78              | -2.20              |
| 7502.00       | 26.68    | 94.83    | 7396.33     | -910.83    | -208.09    | -206.66    | 9.78                | 9.67               | 3.98               |



## Survey Report

| MD<br>UsFt | Inc<br>° | Azi<br>° | TVD<br>UsFt | NS<br>UsFt | EW<br>UsFt | VS<br>UsFt | DLS<br>(°/100 UsFt) | BR<br>(°/100 UsFt) | TR<br>(°/100 UsFt) |
|------------|----------|----------|-------------|------------|------------|------------|---------------------|--------------------|--------------------|
| 7598.00    | 31.52    | 93.51    | 7480.19     | -914.19    | -161.54    | -160.10    | 5.09                | 5.04               | -1.38              |
| 7693.00    | 39.12    | 91.05    | 7557.65     | -916.26    | -106.70    | -105.27    | 8.14                | 8.00               | -2.59              |
| 7788.00    | 49.19    | 92.72    | 7625.72     | -918.52    | -40.66     | -39.21     | 10.67               | 10.60              | 1.76               |
| 7884.00    | 59.21    | 93.86    | 7681.81     | -923.03    | 36.97      | 38.42      | 10.48               | 10.44              | 1.19               |
| 7979.00    | 64.48    | 93.86    | 7726.62     | -928.67    | 120.51     | 121.97     | 5.55                | 5.55               | 0.00               |
| 8074.00    | 66.90    | 91.75    | 7765.73     | -932.89    | 206.97     | 208.44     | 3.25                | 2.55               | -2.22              |
| 8169.00    | 70.11    | 90.88    | 7800.54     | -934.91    | 295.33     | 296.80     | 3.48                | 3.38               | -0.92              |
| 8265.00    | 81.01    | 87.80    | 7824.44     | -933.78    | 388.14     | 389.61     | 11.77               | 11.35              | -3.21              |
| 8360.00    | 90.20    | 82.97    | 7831.72     | -926.14    | 482.42     | 483.88     | 10.92               | 9.67               | -5.08              |
| 8456.00    | 89.89    | 84.46    | 7831.64     | -915.63    | 577.84     | 579.28     | 1.59                | -0.32              | 1.55               |
| 8552.00    | 87.38    | 86.13    | 7833.93     | -907.76    | 673.48     | 674.90     | 3.14                | -2.61              | 1.74               |
| 8647.00    | 85.71    | 85.43    | 7839.66     | -900.79    | 768.05     | 769.46     | 1.91                | -1.76              | -0.74              |
| 8739.00    | 84.48    | 86.92    | 7847.52     | -894.67    | 859.50     | 860.90     | 2.10                | -1.34              | 1.62               |
| 8831.00    | 85.32    | 90.00    | 7855.70     | -892.21    | 951.09     | 952.49     | 3.46                | 0.91               | 3.35               |
| 8924.00    | 85.32    | 89.73    | 7863.29     | -891.99    | 1043.78    | 1045.18    | 0.29                | 0.00               | -0.29              |
| 9018.00    | 86.81    | 90.26    | 7869.74     | -891.98    | 1137.56    | 1138.96    | 1.68                | 1.59               | 0.56               |
| 9112.00    | 88.79    | 91.05    | 7873.35     | -893.06    | 1231.48    | 1232.88    | 2.27                | 2.11               | 0.84               |
| 9205.00    | 88.88    | 91.05    | 7875.24     | -894.76    | 1324.44    | 1325.84    | 0.10                | 0.10               | 0.00               |
| 9299.00    | 88.62    | 90.52    | 7877.29     | -896.05    | 1418.41    | 1419.81    | 0.63                | -0.28              | -0.56              |
| 9392.00    | 88.40    | 89.91    | 7879.71     | -896.40    | 1511.38    | 1512.78    | 0.70                | -0.24              | -0.66              |
| 9486.00    | 88.22    | 89.91    | 7882.48     | -896.25    | 1605.33    | 1606.74    | 0.19                | -0.19              | 0.00               |
| 9580.00    | 87.60    | 89.38    | 7885.91     | -895.67    | 1699.27    | 1700.67    | 0.87                | -0.66              | -0.56              |
| 9673.00    | 86.99    | 88.68    | 7890.30     | -894.10    | 1792.15    | 1793.55    | 1.00                | -0.66              | -0.75              |
| 9767.00    | 88.31    | 90.26    | 7894.15     | -893.23    | 1886.06    | 1887.46    | 2.19                | 1.40               | 1.68               |
| 9861.00    | 89.32    | 90.61    | 7896.10     | -893.94    | 1980.04    | 1981.44    | 1.14                | 1.07               | 0.37               |
| 9954.00    | 90.11    | 90.52    | 7896.56     | -894.86    | 2073.03    | 2074.44    | 0.85                | 0.85               | -0.10              |
| 10049.00   | 89.98    | 90.17    | 7896.49     | -895.43    | 2168.03    | 2169.44    | 0.39                | -0.14              | -0.37              |
| 10143.00   | 90.29    | 89.91    | 7896.26     | -895.50    | 2262.03    | 2263.43    | 0.43                | 0.33               | -0.28              |
| 10237.00   | 88.70    | 90.96    | 7897.09     | -896.21    | 2356.02    | 2357.42    | 2.03                | -1.69              | 1.12               |
| 10330.00   | 88.22    | 90.96    | 7899.59     | -897.77    | 2448.97    | 2450.38    | 0.52                | -0.52              | 0.00               |
| 10423.00   | 85.98    | 89.82    | 7904.30     | -898.40    | 2541.84    | 2543.25    | 2.70                | -2.41              | -1.23              |
| 10517.00   | 85.10    | 89.38    | 7911.61     | -897.75    | 2635.56    | 2636.96    | 1.05                | -0.94              | -0.47              |
| 10610.00   | 84.48    | 88.94    | 7920.05     | -896.39    | 2728.16    | 2729.57    | 0.82                | -0.67              | -0.47              |
| 10704.00   | 86.29    | 89.12    | 7927.61     | -894.80    | 2821.84    | 2823.24    | 1.93                | 1.93               | 0.19               |
| 10796.00   | 90.11    | 91.23    | 7930.50     | -895.08    | 2913.77    | 2915.17    | 4.74                | 4.15               | 2.29               |
| 10888.00   | 91.38    | 91.05    | 7929.31     | -896.92    | 3005.74    | 3007.15    | 1.39                | 1.38               | -0.20              |
| 10980.00   | 89.58    | 90.70    | 7928.54     | -898.32    | 3097.73    | 3099.13    | 1.99                | -1.96              | -0.38              |
| 11072.00   | 89.89    | 90.61    | 7928.96     | -899.37    | 3189.72    | 3191.13    | 0.35                | 0.34               | -0.10              |
| 11164.00   | 89.10    | 89.03    | 7929.77     | -899.08    | 3281.71    | 3283.12    | 1.92                | -0.86              | -1.72              |
| 11256.00   | 88.88    | 88.24    | 7931.40     | -896.89    | 3373.67    | 3375.07    | 0.89                | -0.24              | -0.86              |
| 11348.00   | 90.42    | 89.38    | 7931.96     | -894.98    | 3465.64    | 3467.05    | 2.08                | 1.67               | 1.24               |
| 11440.00   | 90.99    | 89.82    | 7930.83     | -894.34    | 3557.63    | 3559.03    | 0.78                | 0.62               | 0.48               |
| 11531.00   | 91.30    | 90.00    | 7929.01     | -894.20    | 3648.62    | 3650.02    | 0.39                | 0.34               | 0.20               |
| 11623.00   | 91.69    | 90.00    | 7926.61     | -894.20    | 3740.58    | 3741.98    | 0.42                | 0.42               | 0.00               |
| 11714.00   | 90.99    | 89.73    | 7924.48     | -893.98    | 3831.56    | 3832.96    | 0.82                | -0.77              | -0.30              |
| 11829.00   | 89.41    | 88.94    | 7924.08     | -892.65    | 3946.55    | 3947.94    | 1.54                | -1.37              | -0.69              |
| 11920.00   | 89.71    | 88.68    | 7924.78     | -890.76    | 4037.52    | 4038.92    | 0.44                | 0.33               | -0.29              |
| 12012.00   | 88.48    | 90.61    | 7926.23     | -890.19    | 4129.50    | 4130.90    | 2.49                | -1.34              | 2.10               |
| 12104.00   | 87.78    | 91.05    | 7929.23     | -891.52    | 4221.44    | 4222.84    | 0.90                | -0.76              | 0.48               |
| 12197.00   | 87.52    | 91.40    | 7933.05     | -893.51    | 4314.34    | 4315.74    | 0.47                | -0.28              | 0.38               |
| 12291.00   | 88.22    | 91.67    | 7936.54     | -896.02    | 4408.24    | 4409.65    | 0.80                | 0.74               | 0.29               |
| 12384.00   | 87.52    | 90.61    | 7940.00     | -897.87    | 4501.16    | 4502.57    | 1.37                | -0.75              | -1.14              |
| 12478.00   | 86.42    | 90.61    | 7944.96     | -898.87    | 4595.02    | 4596.43    | 1.17                | -1.17              | 0.00               |
| 12571.00   | 87.21    | 90.35    | 7950.13     | -899.65    | 4687.87    | 4689.28    | 0.89                | 0.85               | -0.28              |
| 12665.00   | 88.22    | 90.52    | 7953.88     | -900.36    | 4781.80    | 4783.20    | 1.09                | 1.07               | 0.18               |
| 12759.00   | 89.01    | 90.26    | 7956.15     | -901.00    | 4875.77    | 4877.17    | 0.88                | 0.84               | -0.28              |
| 12852.00   | 89.89    | 90.26    | 7957.04     | -901.42    | 4968.76    | 4970.17    | 0.95                | 0.95               | 0.00               |
| 12946.00   | 88.48    | 88.94    | 7958.38     | -900.77    | 5062.74    | 5064.15    | 2.05                | -1.50              | -1.40              |
| 13040.00   | 87.60    | 88.50    | 7961.60     | -898.67    | 5156.66    | 5158.07    | 1.05                | -0.94              | -0.47              |
| 13134.00   | 87.91    | 87.98    | 7965.28     | -895.78    | 5250.55    | 5251.95    | 0.64                | 0.33               | -0.55              |
| 13227.00   | 88.48    | 87.45    | 7968.21     | -892.08    | 5343.43    | 5344.82    | 0.84                | 0.61               | -0.57              |
| 13321.00   | 89.98    | 87.45    | 7969.47     | -887.90    | 5437.32    | 5438.71    | 1.60                | 1.60               | 0.00               |
| 13416.00   | 91.38    | 88.41    | 7968.34     | -884.46    | 5532.25    | 5533.63    | 1.79                | 1.47               | 1.01               |
| 13512.00   | 91.21    | 89.47    | 7966.17     | -882.69    | 5628.21    | 5629.59    | 1.12                | -0.18              | 1.10               |
| 13607.00   | 89.49    | 90.96    | 7965.59     | -883.05    | 5723.20    | 5724.58    | 2.40                | -1.81              | 1.57               |
| 13702.00   | 89.41    | 91.40    | 7966.50     | -885.00    | 5818.17    | 5819.56    | 0.47                | -0.08              | 0.46               |
| 13798.00   | 88.62    | 92.02    | 7968.16     | -887.87    | 5915.50    | 5916.89    | 1.05                | -0.82              | 0.65               |
| 13893.00   | 88.62    | 92.11    | 7970.44     | -891.29    | 6009.03    | 6010.42    | 0.09                | 0.00               | 0.09               |
| 13989.00   | 87.30    | 91.84    | 7973.86     | -894.59    | 6104.91    | 6106.30    | 1.40                | -1.38              | -0.28              |
| 14084.00   | 85.71    | 91.32    | 7979.65     | -897.21    | 6199.69    | 6201.09    | 1.76                | -1.67              | -0.55              |
| 14180.00   | 86.11    | 90.70    | 7986.50     | -898.90    | 6295.43    | 6296.83    | 0.77                | 0.42               | -0.65              |
| 14275.00   | 86.99    | 90.26    | 7992.22     | -899.69    | 6390.25    | 6391.66    | 1.04                | 0.93               | -0.46              |
| 14371.00   | 86.61    | 89.21    | 7997.57     | -899.25    | 6486.10    | 6487.51    | 1.16                | -0.40              | -1.09              |
| 14467.00   | 88.00    | 89.38    | 8002.09     | -898.07    | 6581.99    | 6583.39    | 1.46                | 1.45               | 0.18               |
| 14562.00   | 88.40    | 88.41    | 8005.07     | -896.24    | 6676.92    | 6678.32    | 1.10                | 0.42               | -1.02              |
| 14658.00   | 89.01    | 87.54    | 8007.24     | -892.85    | 6772.83    | 6774.23    | 1.11                | 0.64               | -0.91              |
| 14755.00   | 90.11    | 87.36    | 8007.99     | -888.53    | 6869.73    | 6871.12    | 1.15                | 1.13               | -0.19              |
| 14850.00   | 91.12    | 88.68    | 8006.97     | -885.25    | 6964.67    | 6966.05    | 1.75                | 1.06               | 1.39               |



## Survey Report

| MD<br>UsFt | Inc<br>° | Azi<br>° | TVD<br>UsFt | NS<br>UsFt | EW<br>UsFt | VS<br>UsFt | DLS<br>(°/100 UsFt) | BR<br>(°/100 UsFt) | TR<br>(°/100 UsFt) |
|------------|----------|----------|-------------|------------|------------|------------|---------------------|--------------------|--------------------|
| 14946.00   | 89.01    | 88.41    | 8006.86     | -882.81    | 7060.63    | 7062.01    | 2.22                | -2.20              | -0.28              |
| 15041.00   | 87.12    | 90.96    | 8010.07     | -882.29    | 7155.56    | 7156.94    | 3.34                | -1.99              | 2.68               |
| 15137.00   | 87.21    | 91.93    | 8014.81     | -884.71    | 7251.41    | 7252.79    | 1.01                | 0.09               | 1.01               |
| 15232.00   | 87.30    | 91.84    | 8019.36     | -887.83    | 7346.25    | 7347.64    | 0.13                | 0.09               | -0.09              |
| 15328.00   | 87.30    | 91.75    | 8023.89     | -890.83    | 7442.10    | 7443.49    | 0.09                | 0.00               | -0.09              |
| 15423.00   | 87.52    | 92.46    | 8028.18     | -894.32    | 7536.94    | 7538.33    | 0.78                | 0.23               | 0.75               |
| 15519.00   | 87.78    | 93.42    | 8032.12     | -899.24    | 7632.73    | 7634.13    | 1.04                | 0.27               | 1.00               |
| 15614.00   | 88.00    | 93.42    | 8035.61     | -904.90    | 7727.50    | 7728.91    | 0.23                | 0.23               | 0.00               |
| 15709.00   | 88.31    | 93.34    | 8038.67     | -910.50    | 7822.28    | 7823.70    | 0.34                | 0.33               | -0.08              |
| 15805.00   | 87.78    | 91.58    | 8041.95     | -914.62    | 7918.13    | 7919.56    | 1.91                | -0.55              | -1.83              |
| 15900.00   | 88.88    | 91.32    | 8044.72     | -917.02    | 8013.06    | 8014.49    | 1.19                | 1.16               | -0.27              |
| 15995.00   | 90.42    | 91.05    | 8045.30     | -918.98    | 8108.04    | 8109.47    | 1.65                | 1.62               | -0.28              |
| 16091.00   | 90.29    | 89.73    | 8044.70     | -919.64    | 8204.03    | 8205.46    | 1.38                | -0.14              | -1.38              |
| 16186.00   | 90.51    | 89.73    | 8044.04     | -919.19    | 8299.03    | 8300.46    | 0.23                | 0.23               | 0.00               |
| 16281.00   | 89.49    | 85.16    | 8044.04     | -914.96    | 8393.91    | 8395.33    | 4.93                | -1.07              | -4.81              |
| 16377.00   | 89.01    | 90.35    | 8045.30     | -911.20    | 8489.79    | 8491.21    | 5.43                | -0.50              | 5.41               |
| 16472.00   | 88.88    | 92.46    | 8047.05     | -913.52    | 8584.74    | 8586.17    | 2.22                | -0.14              | 2.22               |
| 16567.00   | 88.79    | 91.67    | 8048.98     | -916.95    | 8679.66    | 8681.09    | 0.84                | -0.09              | -0.83              |
| 16663.00   | 89.01    | 91.84    | 8050.82     | -919.89    | 8775.60    | 8777.03    | 0.29                | 0.23               | 0.18               |
| 16758.00   | 89.19    | 92.02    | 8052.31     | -923.09    | 8870.53    | 8871.97    | 0.27                | 0.19               | 0.19               |
| 16854.00   | 88.88    | 91.14    | 8053.93     | -925.73    | 8966.48    | 8967.92    | 0.97                | -0.32              | -0.92              |
| 16949.00   | 88.88    | 91.05    | 8055.79     | -927.55    | 9061.44    | 9062.89    | 0.09                | 0.00               | -0.09              |
| 17045.00   | 88.88    | 90.61    | 8057.66     | -928.94    | 9157.41    | 9158.86    | 0.46                | 0.00               | -0.46              |
| 17141.00   | 88.79    | 88.85    | 8059.61     | -928.49    | 9253.39    | 9254.84    | 1.84                | -0.09              | -1.83              |
| 17236.00   | 88.79    | 88.15    | 8061.62     | -926.00    | 9348.34    | 9349.78    | 0.74                | 0.00               | -0.74              |
| 17332.00   | 88.22    | 87.27    | 8064.12     | -922.16    | 9444.23    | 9445.66    | 1.09                | -0.59              | -0.92              |
| 17427.00   | 88.00    | 87.36    | 8067.26     | -917.72    | 9539.07    | 9540.50    | 0.25                | -0.23              | 0.09               |
| 17523.00   | 88.00    | 87.27    | 8070.61     | -913.22    | 9634.91    | 9636.33    | 0.09                | 0.00               | -0.09              |
| 17618.00   | 87.91    | 88.24    | 8074.00     | -909.50    | 9729.77    | 9731.19    | 1.02                | -0.09              | 1.02               |
| 17714.00   | 87.52    | 89.38    | 8077.83     | -907.51    | 9825.67    | 9827.09    | 1.25                | -0.41              | 1.19               |
| 17809.00   | 87.60    | 89.38    | 8081.87     | -906.48    | 9920.58    | 9921.99    | 0.08                | 0.08               | 0.00               |
| 17905.00   | 88.00    | 89.73    | 8085.56     | -905.74    | 10016.51   | 10017.92   | 0.55                | 0.42               | 0.36               |
| 17981.00   | 88.79    | 90.35    | 8087.68     | -905.79    | 10092.48   | 10093.89   | 1.32                | 1.04               | 0.82               |
| 18060.00   | 88.79    | 90.35    | 8089.35     | -906.27    | 10171.46   | 10172.87   | 0.00                | 0.00               | 0.00 PTB           |



3335 Pollok Drive  
Conroe, Texas 77303  
936.442.2500 (office)  
www.msdir.com

MS Directional LLC Survey Data Certification

MS Directional LLC Job Number: MSMO-82392  
Survey Type: MWD  
Operating Company: Matador Resources  
Well Name and Number: Leatherneck 3029 Fed Com 128H  
Location: Eddy, New Mexico  
API Number: 30-015-46903  
Tie In Depth: 2938.00  
Surveyed Depths: 3087.00' - 17981.00'  
Projected TD Survey: 18060.00'  
Dates Performed: 03/17/2021 - 04/16/2021

To the best of my knowledge, I certify the following:

1. The data is true, correct and complete and within the limitations of the tool set forth by MS Directional LLC
2. I am authorized and qualified to make this report; and
3. I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional LLC

MWD Surveyor Name: Jason Fulton

MWD Operations Manager: Charles Davis

Signature:

A handwritten signature in black ink, appearing to read "CWD" followed by a stylized flourish.

Date: 07/26/2021

Email: charles.davis@msdir.com

**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 38300

**ACKNOWLEDGMENTS**

|                                                                                   |                                                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                   |
|                                                                                   | Action Number:<br>38300                            |
|                                                                                   | 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. |

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

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

CONDITIONS

Action 38300

CONDITIONS

|                                                                                   |                                                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                   |
|                                                                                   | Action Number:<br>38300                            |
|                                                                                   | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

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