

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                                         |                                                     |                                                                       |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------|
| <sup>1</sup> Operator name and Address<br>SPUR ENERGY PARTNERS LLC<br>9655 KATY FREEWAY, SUITE 500<br>HOUSTON, TX 77024 |                                                     | <sup>2</sup> OGRID Number<br>328947                                   |
|                                                                                                                         |                                                     | <sup>3</sup> Reason for Filing Code/ Effective Date<br>RT/ 08/11/2021 |
| <sup>4</sup> API Number<br>30 - 0 15-48109                                                                              | <sup>5</sup> Pool Name<br>LOCO HILLS; GLORIETA-YESO | <sup>6</sup> Pool Code<br>96718                                       |
| <sup>7</sup> Property Code<br>325889                                                                                    | <sup>8</sup> Property Name<br>POSEIDON 3 FEDERAL    | <sup>9</sup> Well Number<br>20H                                       |

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

|                                                                                       |                                          |                                          |                                   |         |                                    |                           |                                     |                        |                |
|---------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------|---------|------------------------------------|---------------------------|-------------------------------------|------------------------|----------------|
| UL or lot no.<br>I                                                                    | Section<br>4                             | Township<br>17S                          | Range<br>30E                      | Lot Idn | Feet from the<br>1560              | North/South Line<br>SOUTH | Feet from the<br>755                | East/West line<br>EAST | County<br>EDDY |
| <sup>11</sup> Bottom Hole Location<br>FTP: 2265' FSL 102' FWL LTP: 2279' FSL 186' FEL |                                          |                                          |                                   |         |                                    |                           |                                     |                        |                |
| UL or lot no.<br>I                                                                    | Section<br>3                             | Township<br>17S                          | Range<br>30E                      | Lot Idn | Feet from the<br>2279              | North/South line<br>SOUTH | Feet from the<br>83                 | East/West line<br>EAST | County<br>EDDY |
| <sup>12</sup> Lse Code<br>F                                                           | <sup>13</sup> Producing Method Code<br>P | <sup>14</sup> Gas Connection Date<br>TBD | <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 OGRID | <sup>19</sup> Transporter Name and Address                                          | <sup>20</sup> O/G/W |
| 221115                          | FRONTIER FIELD SERVICES, LLC<br>4200 EAST SKELLY DRIVE, SUITE 700, TULSA, OK 74135  | G                   |
|                                 |                                                                                     |                     |
| 33479                           | HOLLYFRONTIER REFINING & MARKETING<br>2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75201 | O                   |
|                                 |                                                                                     |                     |
|                                 |                                                                                     |                     |
|                                 |                                                                                     |                     |
|                                 |                                                                                     |                     |

IV. Well Completion Data

|                                       |                                        |                                            |                                      |                                            |                            |
|---------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------|
| <sup>21</sup> Spud Date<br>04/04/2021 | <sup>22</sup> Ready Date<br>08/11/2021 | <sup>23</sup> TD<br>4780'V/10400'M         | <sup>24</sup> PBDT<br>4780'V/10400'M | <sup>25</sup> Perforations<br>5305'-10287' | <sup>26</sup> DHC, MC      |
| <sup>27</sup> Hole Size               |                                        | <sup>28</sup> Casing & Tubing Size         |                                      | <sup>29</sup> Depth Set                    | <sup>30</sup> Sacks Cement |
| 17-1/2"                               |                                        | 13-3/8" 54.5# J-55 BTC                     |                                      | 418'                                       | 360 SXS (CIRC TO SURFACE)  |
| 13-3/8"                               |                                        | 9-5/8" 36# J-55 BTC                        |                                      | 1700'                                      | 460 SXS (CIRC TO SURFACE)  |
| 8-3/4"                                |                                        | 7" 32# L-80 BK-HT<br>5-1/2" 20# L-80 BK-HT |                                      | 5048'<br>10400'                            | 1510 SXS (CIRC TO SURFACE) |
|                                       |                                        |                                            |                                      |                                            |                            |

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: <i>Sarah Chapman</i> |                                 |                         | OIL CONSERVATION DIVISION   |                             |                             |
| Printed name: SARAH CHAPMAN                                                                                                                                                                                                                 |                                 |                         | Approved by: KURT SIMMONS   |                             |                             |
| Title: REGULATORY DIRECTOR                                                                                                                                                                                                                  |                                 |                         | Title: NM OCD, SANTA FE     |                             |                             |
| E-mail Address: SCHAPMAN@SPUREPLLC.COM                                                                                                                                                                                                      |                                 |                         | Approval Date: 09/22/2021   |                             |                             |
| Date: 8/11/2021                                                                                                                                                                                                                             |                                 | Phone: 832-930-8613     | RT C-104 EXPIRES 11/11/2021 |                             |                             |

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  
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |  |                                                         |  |                                                     |                                 |
|-----------------------------------------|--|---------------------------------------------------------|--|-----------------------------------------------------|---------------------------------|
| <sup>1</sup> API Number<br>30-015-48109 |  | <sup>2</sup> Pool Code<br>96718                         |  | <sup>3</sup> Pool Name<br>LOCO HILLS; GLORIETA-YESO |                                 |
| <sup>4</sup> Property Code<br>325889    |  | <sup>5</sup> Property Name<br>POSEIDON 3 FED            |  |                                                     | <sup>6</sup> Well Number<br>20H |
| <sup>7</sup> GRID NO.<br>328947         |  | <sup>8</sup> Operator Name<br>SPUR ENERGY PARTNERS LLC. |  |                                                     | <sup>9</sup> Elevation<br>3713' |

<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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I             | 4       | 17S      | 30E   |         | 1560          | SOUTH            | 755           | EAST           | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I             | 3       | 17S      | 30E   |         | 2279          | SOUTH            | 83            | EAST           | EDDY   |

|                                      |                               |                                  |                         |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>320 | <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 interest have been consolidated or a non-standard unit has been approved by the division.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><sup>16</sup> <u>GEODETTIC DATA</u><br/>NAD 83 GRID - NM EAST</p> <p><u>SURFACE LOCATION (SL)</u><br/>N: 677001.8 - E: 652651.2<br/>LAT: 32.8605753° N<br/>LONG: 103.9708173° W</p> <p><u>FIRST TAKE POINT (FTP)</u><br/>2265' FSL &amp; 102' FWL - SEC 3<br/>N: 677707.7 - E: 653505.4<br/>LAT: 32.8625075° N<br/>LONG: 103.9680275° W<br/>MD: 5305.0 - TVD: 4746.3</p> <p><u>LAST TAKE POINT (LTP)</u><br/>2279' FSL &amp; 186' FEL - SEC 3<br/>N: 677733.2 - E: 658496.0<br/>LAT: 32.8625289° N<br/>LONG: 103.9517743° W<br/>MD: 10,297.0 - TVD: 4779.1</p> |  | <p><u>BOTTOM HOLE (BH)</u><br/>N: 677733.1 - E: 658599.0<br/>LAT: 32.8625277° N<br/>LONG: 103.9514389° W<br/>MD: 10,400.0 - TVD 4780.0</p> <p><u>CORNER DATA</u><br/>NAD 83 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1916"<br/>N: 675436.4 - E: 648128.9</p> <p>B: FOUND BRASS CAP "1916"<br/>N: 678076.6 - E: 648121.2</p> <p>C: FOUND BRASS CAP "1916"<br/>N: 680696.5 - E: 648110.9</p> <p>D: FOUND BRASS CAP "1916"<br/>N: 680704.7 - E: 650751.6</p> <p>E: FOUND BRASS CAP "1916"<br/>N: 680713.3 - E: 653392.4</p> <p>F: FOUND BRASS CAP "1916"<br/>N: 680722.0 - E: 656032.0</p> <p>G: FOUND BRASS CAP "1916"<br/>N: 680729.8 - E: 658673.7</p> <p>H: FOUND BRASS CAP "1916"<br/>N: 678091.2 - E: 658681.2</p> <p>I: FOUND BRASS CAP "1916"<br/>N: 675454.6 - E: 658689.2</p> <p>J: FOUND BRASS CAP "1916"<br/>N: 675443.0 - E: 653411.2</p> <p>K: FOUND BRASS CAP "1916"<br/>N: 675440.1 - E: 650770.1</p> <p>L: FOUND BRASS CAP "1916"<br/>N: 678082.1 - E: 653402.4</p> |  | <p><sup>17</sup> <b>OPERATOR CERTIFICATION</b><br/><i>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.</i></p> <p><i>Sarah Chapman</i> 08/10/2021<br/>Signature Date<br/>SARAH CHAPMAN<br/>Printed Name<br/>SCHAPMAN@SPUREPLLC.COM<br/>E-mail Address</p> |
| <p><sup>18</sup> <b>SURVEYOR CERTIFICATION</b><br/><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>5-22-2021<br/>Date of Survey<br/>Signature and Seal of Professional Surveyor</p> <p>19680<br/>Certificate Number</p>                                                                                                                                                               |  | <p>PROF. ROBERT M. HOWETT<br/>NEW MEXICO<br/>19680<br/>PROFESSIONAL SURVEYOR</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

LS20090410AD



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I **Larry Wright** certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **05/14/21** thru **05/21/21** conduct or supervise the taking of a **MWD Survey** from a depth of **418'** to a depth of **10400'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Spur Energy Partners** for the **Poseidon 3 Fed 20H API No. 30-015-48109** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

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1125 Beach Airport Rd, Conroe, Texas  
77301



# **Spur Energy Partners, LLC**

**Eddy County, NM (NAD 83 - NME)**

**Poseidon 3 Fed**

**#20H**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**22 May, 2021**





## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well #20H                          |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Site:</b>     | Poseidon 3 Fed                 | <b>MD Reference:</b>                | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Well:</b>     | #20H                           | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | Wellbore #1                    | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Wellbore #1                    | <b>Database:</b>                    | WBDS_SQL_2                         |

|                    |                                |                      |                |
|--------------------|--------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, NM (NAD 83 - NME) |                      |                |
| <b>Map System:</b> | US State Plane 1983            | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983      |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone        |                      |                |

| Site                  |  |  |           |  |  | Poseidon 3 Fed |  |  |                 |  |  |                   |  |  |              |  |  |
|-----------------------|--|--|-----------|--|--|----------------|--|--|-----------------|--|--|-------------------|--|--|--------------|--|--|
| Site Position:        |  |  |           |  |  | Northing:      |  |  | 677,001.80 usft |  |  | Latitude:         |  |  | 32.8605754   |  |  |
| From:                 |  |  | Map       |  |  | Easting:       |  |  | 652,651.20 usft |  |  | Longitude:        |  |  | -103.9708173 |  |  |
| Position Uncertainty: |  |  | 0.00 usft |  |  | Slot Radius:   |  |  | 13.200 in       |  |  | Grid Convergence: |  |  | 0.197 °      |  |  |

|                      |       |           |                     |                 |               |               |
|----------------------|-------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | #20H  |           |                     |                 |               |               |
| Well Position        | +N/-S | 0.00 usft | Northing:           | 677,001.80 usft | Latitude:     | 32.8605754    |
|                      | +E/-W | 0.00 usft | Easting:            | 652,651.20 usft | Longitude:    | -103.9708173  |
| Position Uncertainty |       | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,713.00 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 5/16/2021          | 6.791                  | 60.421               | 47,834.96135652            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | Wellbore #1                    |                     |                     |                      |      |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                           | 0.00                | 0.00                | 89.87                |      |

|                       |                  |                              |                  |                        |  |
|-----------------------|------------------|------------------------------|------------------|------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 5/22/2021                    |                  |                        |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>     | <b>Tool Name</b> | <b>Description</b>     |  |
| 20.00                 | 418.00           | INVICTUS TOOLS (Wellbore #1) | MWD+IGRF         | OWSG MWD + IGRF or WMM |  |
| 467.00                | 10,400.00        | Survey #2 (Wellbore #1)      | MWD+IGRF         | OWSG MWD + IGRF or WMM |  |

|                                                                                                                 |                        |                    |                              |                     |                     |                                |                              |                             |                            |
|-----------------------------------------------------------------------------------------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|------------------------------|-----------------------------|----------------------------|
| <b>Survey</b>                                                                                                   |                        |                    |                              |                     |                     |                                |                              |                             |                            |
| <b>Measured Depth (usft)</b>                                                                                    | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |
| 0.00                                                                                                            | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                         | 0.00                        | 0.00                       |
| <b>POSEIDON 3 FEDERAL #12: TD ?' MD - FEDERAL KK #3: TD 2997' MD - FEDERAL JJ W12: TD 3111' MD - POSEIDON 3</b> |                        |                    |                              |                     |                     |                                |                              |                             |                            |
| 20.00                                                                                                           | 0.00                   | 359.80             | 20.00                        | 0.00                | 0.00                | 0.00                           | 0.00                         | 0.00                        | 0.00                       |
| 133.00                                                                                                          | 0.90                   | 351.62             | 133.00                       | 0.88                | -0.13               | -0.13                          | 0.80                         | 0.80                        | 0.00                       |
| 161.00                                                                                                          | 0.60                   | 320.62             | 160.99                       | 1.21                | -0.25               | -0.25                          | 1.77                         | -1.07                       | -110.71                    |
| 188.00                                                                                                          | 0.80                   | 303.62             | 187.99                       | 1.42                | -0.50               | -0.50                          | 1.06                         | 0.74                        | -62.96                     |
| 245.00                                                                                                          | 0.30                   | 310.62             | 244.99                       | 1.74                | -0.95               | -0.94                          | 0.88                         | -0.88                       | 12.28                      |
| 277.00                                                                                                          | 1.00                   | 276.62             | 276.99                       | 1.83                | -1.29               | -1.28                          | 2.41                         | 2.19                        | -106.25                    |
| 340.00                                                                                                          | 3.40                   | 273.62             | 339.94                       | 2.01                | -3.70               | -3.69                          | 3.81                         | 3.81                        | -4.76                      |
| 371.00                                                                                                          | 3.70                   | 265.62             | 370.88                       | 1.99                | -5.61               | -5.61                          | 1.87                         | 0.97                        | -25.81                     |



## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well #20H                          |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Site:</b>     | Poseidon 3 Fed                 | <b>MD Reference:</b>                | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Well:</b>     | #20H                           | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | Wellbore #1                    | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Wellbore #1                    | <b>Database:</b>                    | WBDS_SQL_2                         |

| Survey                                      |                 |             |                       |              |              |                         |                       |                      |                     |
|---------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft)                       | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 403.00                                      | 3.60            | 254.62      | 402.81                | 1.64         | -7.61        | -7.61                   | 2.21                  | -0.31                | -34.37              |
| 418.00                                      | 2.90            | 259.62      | 417.79                | 1.45         | -8.44        | -8.43                   | 5.03                  | -4.67                | 33.33               |
| 467.00                                      | 3.60            | 260.86      | 466.71                | 0.98         | -11.18       | -11.17                  | 1.44                  | 1.43                 | 2.53                |
| <b>1st MWD SVY: 467.00' MD/ 466.71' TVD</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 588.00                                      | 4.40            | 291.45      | 587.43                | 2.08         | -19.25       | -19.24                  | 1.86                  | 0.66                 | 25.28               |
| 707.00                                      | 5.93            | 304.81      | 705.94                | 7.26         | -28.54       | -28.53                  | 1.63                  | 1.29                 | 11.23               |
| 828.00                                      | 7.65            | 333.64      | 826.12                | 18.04        | -37.26       | -37.21                  | 3.11                  | 1.42                 | 23.83               |
| 949.00                                      | 10.42           | 353.59      | 945.64                | 36.14        | -42.05       | -41.97                  | 3.42                  | 2.29                 | 16.49               |
| 1,069.00                                    | 11.03           | 357.54      | 1,063.54              | 58.40        | -43.76       | -43.63                  | 0.80                  | 0.51                 | 3.29                |
| 1,191.00                                    | 10.86           | 359.83      | 1,183.33              | 81.55        | -44.29       | -44.11                  | 0.38                  | -0.14                | 1.88                |
| 1,313.00                                    | 11.91           | 352.88      | 1,302.93              | 105.54       | -45.89       | -45.65                  | 1.41                  | 0.86                 | -5.70               |
| 1,439.00                                    | 12.26           | 350.69      | 1,426.14              | 131.64       | -49.66       | -49.37                  | 0.46                  | 0.28                 | -1.74               |
| 1,565.00                                    | 11.74           | 355.52      | 1,549.39              | 157.62       | -52.83       | -52.47                  | 0.90                  | -0.41                | 3.83                |
| 1,642.00                                    | 11.56           | 357.28      | 1,624.80              | 173.14       | -53.81       | -53.42                  | 0.52                  | -0.23                | 2.29                |
| 1,770.00                                    | 11.52           | 357.10      | 1,750.21              | 198.71       | -55.06       | -54.61                  | 0.04                  | -0.03                | -0.14               |
| 1,896.00                                    | 11.60           | 356.57      | 1,873.66              | 223.92       | -56.46       | -55.95                  | 0.11                  | 0.06                 | -0.42               |
| 2,022.00                                    | 11.43           | 355.43      | 1,997.12              | 249.01       | -58.21       | -57.65                  | 0.23                  | -0.13                | -0.90               |
| 2,149.00                                    | 11.43           | 352.88      | 2,121.60              | 274.05       | -60.77       | -60.15                  | 0.40                  | 0.00                 | -2.01               |
| 2,276.00                                    | 11.69           | 358.77      | 2,246.03              | 299.40       | -62.61       | -61.93                  | 0.95                  | 0.20                 | 4.64                |
| 2,429.00                                    | 11.91           | 356.66      | 2,395.80              | 330.65       | -63.86       | -63.11                  | 0.32                  | 0.14                 | -1.38               |
| 2,555.00                                    | 11.78           | 354.64      | 2,519.12              | 356.44       | -65.82       | -65.01                  | 0.34                  | -0.10                | -1.60               |
| 2,682.00                                    | 11.91           | 352.80      | 2,643.41              | 382.35       | -68.67       | -67.81                  | 0.31                  | 0.10                 | -1.45               |
| 2,807.00                                    | 12.40           | 358.24      | 2,765.61              | 408.56       | -70.70       | -69.78                  | 1.00                  | 0.39                 | 4.35                |
| 2,933.00                                    | 12.70           | 357.89      | 2,888.60              | 435.92       | -71.63       | -70.64                  | 0.25                  | 0.24                 | -0.28               |
| 3,059.00                                    | 12.79           | 357.72      | 3,011.50              | 463.70       | -72.69       | -71.64                  | 0.08                  | 0.07                 | -0.13               |
| 3,186.00                                    | 11.52           | 356.49      | 3,135.65              | 490.40       | -74.03       | -72.92                  | 1.02                  | -1.00                | -0.97               |
| 3,312.00                                    | 11.69           | 356.84      | 3,259.07              | 515.71       | -75.50       | -74.33                  | 0.15                  | 0.13                 | 0.28                |
| 3,438.00                                    | 11.78           | 355.52      | 3,382.44              | 541.28       | -77.21       | -75.98                  | 0.22                  | 0.07                 | -1.05               |
| 3,564.00                                    | 11.78           | 356.31      | 3,505.79              | 566.93       | -79.04       | -77.76                  | 0.13                  | 0.00                 | 0.63                |
| 3,690.00                                    | 11.91           | 357.72      | 3,629.10              | 592.76       | -80.39       | -79.04                  | 0.25                  | 0.10                 | 1.12                |
| 3,752.00                                    | 11.78           | 359.39      | 3,689.78              | 605.48       | -80.71       | -79.34                  | 0.59                  | -0.21                | 2.69                |
| 3,789.96                                    | 11.00           | 7.92        | 3,727.00              | 612.94       | -80.25       | -78.86                  | 4.89                  | -2.06                | 22.48               |
| <b>PLAN 20H: KOP @ 3788.25' MD</b>          |                 |             |                       |              |              |                         |                       |                      |                     |
| 3,814.00                                    | 10.64           | 13.89       | 3,750.61              | 617.37       | -79.40       | -78.00                  | 4.89                  | -1.49                | 24.81               |
| 3,877.00                                    | 10.42           | 26.46       | 3,812.56              | 628.12       | -75.47       | -74.04                  | 3.66                  | -0.35                | 19.95               |
| 3,940.00                                    | 12.18           | 43.16       | 3,874.35              | 638.07       | -68.38       | -66.93                  | 5.87                  | 2.79                 | 26.51               |
| 4,003.00                                    | 14.68           | 54.93       | 3,935.64              | 647.51       | -57.30       | -55.83                  | 5.86                  | 3.97                 | 18.68               |
| 4,066.00                                    | 17.27           | 65.30       | 3,996.21              | 656.00       | -42.26       | -40.77                  | 6.10                  | 4.11                 | 16.46               |
| 4,129.00                                    | 20.40           | 71.63       | 4,055.84              | 663.37       | -23.34       | -21.83                  | 5.93                  | 4.97                 | 10.05               |
| 4,192.00                                    | 23.60           | 76.20       | 4,114.25              | 669.85       | -0.66        | 0.86                    | 5.76                  | 5.08                 | 7.25                |
| 4,255.00                                    | 27.03           | 79.63       | 4,171.19              | 675.43       | 25.67        | 27.21                   | 5.92                  | 5.44                 | 5.44                |
| 4,318.00                                    | 30.73           | 81.56       | 4,226.35              | 680.37       | 55.69        | 57.23                   | 6.06                  | 5.87                 | 3.06                |
| 4,380.00                                    | 34.42           | 83.76       | 4,278.59              | 684.60       | 88.79        | 90.34                   | 6.25                  | 5.95                 | 3.55                |



## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well #20H                          |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Site:</b>     | Poseidon 3 Fed                 | <b>MD Reference:</b>                | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Well:</b>     | #20H                           | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | Wellbore #1                    | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Wellbore #1                    | <b>Database:</b>                    | WBDS_SQL_2                         |

| Survey                                          |                 |             |                       |              |              |                         |                       |                      |                     |
|-------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft)                           | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,443.00                                        | 38.20           | 85.52       | 4,329.35              | 688.06       | 125.92       | 127.48                  | 6.22                  | 6.00                 | 2.79                |
| 4,507.00                                        | 41.85           | 85.52       | 4,378.35              | 691.28       | 166.95       | 168.52                  | 5.70                  | 5.70                 | 0.00                |
| 4,570.00                                        | 45.41           | 85.70       | 4,423.94              | 694.60       | 210.29       | 211.86                  | 5.65                  | 5.65                 | 0.29                |
| 4,633.00                                        | 48.48           | 87.01       | 4,466.94              | 697.52       | 256.22       | 257.80                  | 5.10                  | 4.87                 | 2.08                |
| 4,696.00                                        | 52.18           | 87.89       | 4,507.16              | 699.66       | 304.66       | 306.24                  | 5.97                  | 5.87                 | 1.40                |
| 4,759.00                                        | 56.09           | 88.42       | 4,544.06              | 701.30       | 355.68       | 357.27                  | 6.24                  | 6.21                 | 0.84                |
| 4,820.00                                        | 59.65           | 89.12       | 4,576.50              | 702.40       | 407.31       | 408.91                  | 5.92                  | 5.84                 | 1.15                |
| <b>START TANGENT: 4820.00' MD/ 4576.50' TVD</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 4,852.00                                        | 59.91           | 88.77       | 4,592.60              | 702.91       | 434.96       | 436.55                  | 1.25                  | 0.81                 | -1.09               |
| 4,883.00                                        | 60.00           | 88.68       | 4,608.12              | 703.51       | 461.79       | 463.38                  | 0.38                  | 0.29                 | -0.29               |
| 4,915.00                                        | 60.26           | 88.42       | 4,624.06              | 704.21       | 489.53       | 491.12                  | 1.08                  | 0.81                 | -0.81               |
| 4,946.00                                        | 60.35           | 88.24       | 4,639.42              | 705.00       | 516.44       | 518.04                  | 0.58                  | 0.29                 | -0.58               |
| 4,978.00                                        | 60.57           | 87.80       | 4,655.19              | 705.96       | 544.27       | 545.87                  | 1.38                  | 0.69                 | -1.37               |
| 5,009.00                                        | 60.79           | 87.63       | 4,670.37              | 707.04       | 571.28       | 572.88                  | 0.86                  | 0.71                 | -0.55               |
| <b>END TANGENT: 5009.00' MD/ 4670.37' TVD</b>   |                 |             |                       |              |              |                         |                       |                      |                     |
| 5,072.00                                        | 66.64           | 89.65       | 4,698.26              | 708.35       | 627.72       | 629.32                  | 9.72                  | 9.29                 | 3.21                |
| 5,135.00                                        | 73.27           | 92.20       | 4,719.85              | 707.37       | 686.85       | 688.46                  | 11.19                 | 10.52                | 4.05                |
| 5,198.00                                        | 79.47           | 91.76       | 4,734.69              | 705.26       | 748.01       | 749.61                  | 9.86                  | 9.84                 | -0.70               |
| 5,259.00                                        | 84.13           | 89.04       | 4,743.39              | 704.84       | 808.37       | 809.96                  | 8.82                  | 7.64                 | -4.46               |
| 5,302.79                                        | 87.31           | 88.55       | 4,746.66              | 705.76       | 852.02       | 853.62                  | 7.34                  | 7.25                 | -1.13               |
| <b>PLAT Poseidon #20H: FTP/ LP (100' FWL)</b>   |                 |             |                       |              |              |                         |                       |                      |                     |
| 5,303.22                                        | 87.34           | 88.54       | 4,746.68              | 705.77       | 852.45       | 854.05                  | 7.34                  | 7.25                 | -1.12               |
| <b>FINAL FTP/ 100' FWL @ 5303.22' MD</b>        |                 |             |                       |              |              |                         |                       |                      |                     |
| 5,322.00                                        | 88.70           | 88.33       | 4,747.33              | 706.29       | 871.21       | 872.81                  | 7.34                  | 7.25                 | -1.12               |
| 5,448.00                                        | 89.27           | 87.80       | 4,749.56              | 710.54       | 997.12       | 998.73                  | 0.62                  | 0.45                 | -0.42               |
| 5,574.00                                        | 89.76           | 87.37       | 4,750.62              | 715.85       | 1,123.00     | 1,124.62                | 0.52                  | 0.39                 | -0.34               |
| 5,700.00                                        | 90.29           | 86.93       | 4,750.57              | 722.11       | 1,248.84     | 1,250.48                | 0.55                  | 0.42                 | -0.35               |
| 5,826.00                                        | 88.57           | 88.16       | 4,751.82              | 727.51       | 1,374.71     | 1,376.36                | 1.68                  | -1.37                | 0.98                |
| 5,946.00                                        | 89.01           | 88.07       | 4,754.36              | 731.46       | 1,494.62     | 1,496.28                | 0.37                  | 0.37                 | -0.07               |
| 6,067.00                                        | 88.79           | 89.83       | 4,756.68              | 733.67       | 1,615.57     | 1,617.23                | 1.47                  | -0.18                | 1.45                |
| 6,188.00                                        | 89.19           | 89.12       | 4,758.81              | 734.78       | 1,736.55     | 1,738.21                | 0.67                  | 0.33                 | -0.59               |
| 6,308.00                                        | 88.70           | 90.18       | 4,761.02              | 735.52       | 1,856.52     | 1,858.19                | 0.97                  | -0.41                | 0.88                |
| 6,429.00                                        | 88.92           | 89.47       | 4,763.53              | 735.89       | 1,977.50     | 1,979.16                | 0.61                  | 0.18                 | -0.59               |
| 6,549.00                                        | 88.79           | 91.14       | 4,765.93              | 735.25       | 2,097.47     | 2,099.13                | 1.40                  | -0.11                | 1.39                |
| 6,669.00                                        | 91.47           | 91.32       | 4,765.66              | 732.67       | 2,217.43     | 2,219.09                | 2.24                  | 2.23                 | 0.15                |
| 6,791.00                                        | 91.56           | 91.14       | 4,762.44              | 730.05       | 2,339.36     | 2,341.01                | 0.16                  | 0.07                 | -0.15               |
| 6,911.00                                        | 90.73           | 90.53       | 4,760.04              | 728.31       | 2,459.32     | 2,460.97                | 0.86                  | -0.69                | -0.51               |
| 7,031.00                                        | 90.51           | 90.09       | 4,758.74              | 727.66       | 2,579.31     | 2,580.95                | 0.41                  | -0.18                | -0.37               |
| 7,157.00                                        | 90.73           | 90.00       | 4,757.38              | 727.56       | 2,705.30     | 2,706.95                | 0.19                  | 0.17                 | -0.07               |
| 7,283.00                                        | 88.97           | 89.21       | 4,757.71              | 728.43       | 2,831.29     | 2,832.94                | 1.53                  | -1.40                | -0.63               |
| 7,410.00                                        | 90.02           | 89.47       | 4,758.82              | 729.89       | 2,958.28     | 2,959.93                | 0.85                  | 0.83                 | 0.20                |
| 7,537.00                                        | 88.40           | 89.91       | 4,760.58              | 730.58       | 3,085.26     | 3,086.91                | 1.32                  | -1.28                | 0.35                |
| 7,663.00                                        | 88.84           | 90.09       | 4,763.61              | 730.58       | 3,211.22     | 3,212.87                | 0.38                  | 0.35                 | 0.14                |
| 7,789.00                                        | 88.66           | 90.09       | 4,766.36              | 730.38       | 3,337.19     | 3,338.84                | 0.14                  | -0.14                | 0.00                |





## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well #20H                          |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Site:</b>     | Poseidon 3 Fed                 | <b>MD Reference:</b>                | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Well:</b>     | #20H                           | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | Wellbore #1                    | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Wellbore #1                    | <b>Database:</b>                    | WBDS_SQL_2                         |

| Survey                                                                                                                          |                 |             |                       |              |              |                         |                       |                      |                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft)                                                                                                           | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 7,916.00                                                                                                                        | 90.29           | 89.91       | 4,767.52              | 730.38       | 3,464.18     | 3,465.83                | 1.29                  | 1.28                 | -0.14               |
| 8,041.00                                                                                                                        | 90.86           | 89.56       | 4,766.27              | 730.96       | 3,589.17     | 3,590.82                | 0.54                  | 0.46                 | -0.28               |
| 8,167.00                                                                                                                        | 91.25           | 89.21       | 4,763.95              | 732.31       | 3,715.15     | 3,716.80                | 0.42                  | 0.31                 | -0.28               |
| 8,293.00                                                                                                                        | 91.38           | 88.86       | 4,761.06              | 734.43       | 3,841.09     | 3,842.75                | 0.30                  | 0.10                 | -0.28               |
| 8,420.00                                                                                                                        | 90.68           | 89.56       | 4,758.77              | 736.18       | 3,968.06     | 3,969.72                | 0.78                  | -0.55                | 0.55                |
| 8,546.00                                                                                                                        | 89.23           | 90.35       | 4,758.87              | 736.28       | 4,094.06     | 4,095.72                | 1.31                  | -1.15                | 0.63                |
| 8,672.00                                                                                                                        | 89.49           | 90.53       | 4,760.28              | 735.31       | 4,220.04     | 4,221.70                | 0.25                  | 0.21                 | 0.14                |
| 8,797.00                                                                                                                        | 88.31           | 90.62       | 4,762.68              | 734.06       | 4,345.01     | 4,346.67                | 0.95                  | -0.94                | 0.07                |
| 8,923.00                                                                                                                        | 88.62           | 90.71       | 4,766.05              | 732.60       | 4,470.96     | 4,472.61                | 0.26                  | 0.25                 | 0.07                |
| 9,049.00                                                                                                                        | 88.92           | 90.27       | 4,768.76              | 731.52       | 4,596.92     | 4,598.57                | 0.42                  | 0.24                 | -0.35               |
| 9,175.00                                                                                                                        | 89.19           | 90.18       | 4,770.84              | 731.02       | 4,722.91     | 4,724.55                | 0.23                  | 0.21                 | -0.07               |
| 9,302.00                                                                                                                        | 89.67           | 90.27       | 4,772.10              | 730.52       | 4,849.90     | 4,851.54                | 0.38                  | 0.38                 | 0.07                |
| 9,427.00                                                                                                                        | 89.98           | 90.18       | 4,772.48              | 730.03       | 4,974.90     | 4,976.54                | 0.26                  | 0.25                 | -0.07               |
| 9,554.00                                                                                                                        | 90.02           | 89.39       | 4,772.48              | 730.51       | 5,101.89     | 5,103.54                | 0.62                  | 0.03                 | -0.62               |
| 9,679.00                                                                                                                        | 90.55           | 89.04       | 4,771.86              | 732.22       | 5,226.88     | 5,228.53                | 0.51                  | 0.42                 | -0.28               |
| 9,805.00                                                                                                                        | 89.23           | 89.74       | 4,772.10              | 733.56       | 5,352.87     | 5,354.52                | 1.19                  | -1.05                | 0.56                |
| <b>FEDERAL KK #2: TD 3050' MD</b>                                                                                               |                 |             |                       |              |              |                         |                       |                      |                     |
| 9,933.00                                                                                                                        | 89.63           | 89.47       | 4,773.38              | 734.45       | 5,480.86     | 5,482.51                | 0.38                  | 0.31                 | -0.21               |
| 10,059.00                                                                                                                       | 88.70           | 91.23       | 4,775.21              | 733.68       | 5,606.84     | 5,608.49                | 1.58                  | -0.74                | 1.40                |
| <b>POSEIDON 3 FEDERAL #16: TD ?' MD</b>                                                                                         |                 |             |                       |              |              |                         |                       |                      |                     |
| 10,183.00                                                                                                                       | 89.01           | 90.44       | 4,777.69              | 731.87       | 5,730.80     | 5,732.44                | 0.68                  | 0.25                 | -0.64               |
| 10,307.00                                                                                                                       | 89.54           | 90.09       | 4,779.26              | 731.30       | 5,854.79     | 5,856.43                | 0.51                  | 0.43                 | -0.28               |
| 10,328.00                                                                                                                       | 89.54           | 90.00       | 4,779.43              | 731.28       | 5,875.79     | 5,877.43                | 0.43                  | 0.00                 | -0.43               |
| 10,383.32                                                                                                                       | 89.54           | 90.00       | 4,779.87              | 731.28       | 5,931.10     | 5,932.74                | 0.00                  | 0.00                 | 0.00                |
| <b>FINAL LTP/ 100' FEL @ 10383.32' MD</b>                                                                                       |                 |             |                       |              |              |                         |                       |                      |                     |
| 10,383.35                                                                                                                       | 89.54           | 90.00       | 4,779.87              | 731.28       | 5,931.14     | 5,932.78                | 0.00                  | 0.00                 | 0.00                |
| <b>PLAT Poseidon #20H: LTP (100' FEL)</b>                                                                                       |                 |             |                       |              |              |                         |                       |                      |                     |
| 10,400.00                                                                                                                       | 89.54           | 90.00       | 4,780.01              | 731.28       | 5,947.78     | 5,949.43                | 0.00                  | 0.00                 | 0.00                |
| <b>TD: Y= 677733.08 / X= 658598.98 - Projection to Bit: 10400.00' MD/ 4780.01' TVD - Final Station Closure Distance= 5992.1</b> |                 |             |                       |              |              |                         |                       |                      |                     |

| Design Targets                                                         |               |              |            |              |              |                 |                |            |              |
|------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------|--------------|
| Target Name<br>- hit/miss target<br>- Shape                            | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude   | Longitude    |
| FINAL FTP/ 100' FWL<br>- actual wellpath hits target center<br>- Point | 0.00          | 0.00         | 4,746.68   | 705.77       | 852.45       | 677,707.57      | 653,503.65     | 32.8625072 | -103.9680332 |
| FINAL LTP/ 100' FEL<br>- actual wellpath hits target center<br>- Point | 0.00          | 0.01         | 4,779.87   | 731.28       | 5,931.10     | 677,733.08      | 658,582.30     | 32.8625279 | -103.9514932 |
| FINAL TD/ 83' FWL @<br>- actual wellpath hits target center<br>- Point | 0.00          | 0.00         | 4,780.01   | 731.28       | 5,947.78     | 677,733.08      | 658,598.99     | 32.8625277 | -103.9514388 |





## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well #20H                          |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Site:</b>     | Poseidon 3 Fed                 | <b>MD Reference:</b>                | RKB = 20' @ 3733.00usft (Akita 57) |
| <b>Well:</b>     | #20H                           | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | Wellbore #1                    | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Wellbore #1                    | <b>Database:</b>                    | WBDS_SQL_2                         |

## Design Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                                                   |
|-----------------------------|-----------------------------|-------------------|-----------------|-----------------------------------------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                                           |
| 467.00                      | 466.71                      | 0.98              | -11.18          | 1st MWD SVY: 467.00' MD/ 466.71' TVD                      |
| 4,820.00                    | 4,576.50                    | 702.40            | 407.31          | START TANGENT: 4820.00' MD/ 4576.50' TVD                  |
| 5,009.00                    | 4,670.37                    | 707.04            | 571.28          | END TANGENT: 5009.00' MD/ 4670.37' TVD                    |
| 10,400.00                   | 4,780.01                    | 731.28            | 5,947.78        | TD: Y= 677733.08 / X= 658598.98                           |
| 10,400.00                   | 4,780.01                    | 731.28            | 5,947.78        | Projection to Bit: 10400.00' MD/ 4780.01' TVD             |
| 10,400.00                   | 4,780.01                    | 731.28            | 5,947.78        | Final Station Closure Distance= 5992.57 /Direction= 82.99 |
| 10,400.00                   | 4,780.01                    | 731.28            | 5,947.78        | TD: Latitude= 32.8625277 / Longitude= -103.9514388        |

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





Company: Spur Energy Partners, LLC  
Project: Eddy County, NM (NAD 83 - NME)  
Site: Poseidon 3 Fed  
Well: #20H  
Wellbore: Wellbore #1  
Rig: Akita 57  
Design: Plan #4 / 8:26, May 22 2021



WELL DETAILS: #20H

PLAT Poseidon #20H: SHL (1560' FSL & 755' FEL) RKB = 20' @ 3733.00usft (Akita 57)  
3713.00  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 677001.80 652651.20 32.8605753 -103.9708173  
1st MWD SVY: 467.00' MD/ 466.71' TVD

SECTION DETAILS

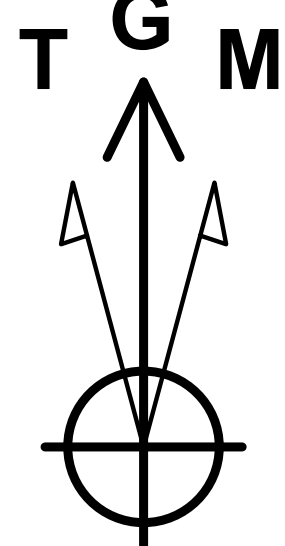
| Sec | MD       | Inc   | Azi   | TVD     | +N/-S  | +E/-W   | Dleg  | VSec    |                                                |
|-----|----------|-------|-------|---------|--------|---------|-------|---------|------------------------------------------------|
| 1   | 7789.00  | 88.66 | 90.09 | 4766.36 | 730.38 | 3337.19 | 0.00  | 3338.84 |                                                |
| 2   | 7808.09  | 90.52 | 90.50 | 4766.49 | 730.28 | 3356.28 | 10.00 | 3357.93 |                                                |
| 3   | 8154.39  | 90.52 | 90.50 | 4763.32 | 727.27 | 3702.55 | 0.00  | 3704.19 |                                                |
| 4   | 8217.05  | 89.44 | 89.87 | 4763.34 | 727.07 | 3765.21 | 2.00  | 3766.85 |                                                |
| 5   | 10433.05 | 89.44 | 89.87 | 4785.00 | 732.10 | 5981.10 | 0.00  | 5982.75 | PLAT Poseidon #20H: PBHL (2280' FSL & 50' FEL) |

DESIGN TARGET DETAILS

| Name                                           | TVD     | +N/-S  | +E/-W   | Northing  | Easting   | Latitude   | Longitude    |
|------------------------------------------------|---------|--------|---------|-----------|-----------|------------|--------------|
| PLAT Poseidon #20H: SHL (1560' FSL & 755' FEL) | 0.00    | 0.00   | 0.00    | 677001.80 | 652651.20 | 32.8605753 | -103.9708173 |
| PLAT Poseidon #20H: FTP/ LP (100' FWL)         | 4735.00 | 720.90 | 852.40  | 677722.70 | 653503.60 | 32.8625487 | -103.9680332 |
| FINAL FTP/ 100' FWL @ 5303.22' MD              | 4746.68 | 705.77 | 852.45  | 677707.57 | 653503.65 | 32.8625071 | -103.9680332 |
| FINAL LTP/ 100' FEL @ 10383.32' MD             | 4779.87 | 731.28 | 5931.10 | 677733.08 | 658582.30 | 32.8625279 | -103.9514932 |
| FINAL TD/ 83' FWL @ 10400' MD                  | 4780.01 | 731.28 | 5947.78 | 677733.08 | 658598.98 | 32.8625277 | -103.9514388 |
| PLAT Poseidon #20H: LTP (100' FEL)             | 4784.51 | 732.00 | 5931.10 | 677733.80 | 658582.30 | 32.8625298 | -103.9514932 |
| PLAT Poseidon #20H: PBHL (2280' FSL & 50' FEL) | 4785.00 | 732.10 | 5981.10 | 677733.90 | 658632.30 | 32.8625296 | -103.9513303 |

PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level



Azimuths to Grid North  
True North: -0.20°  
Magnetic North: 6.59°

Magnetic Field  
Strength: 47835.0nT  
Dip Angle: 60.42°  
Date: 5/16/2021  
Model: IGRF2020

Disclaimer:

All Plan Details, boundary lines and offset well location/ survey data is provided by customer and subject to customer approval.

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.594°  
To convert a True Direction to a Grid Direction, Subtract 0.197°  
To convert a Magnetic Direction to a True Direction, Add 6.791° East  
Magnetic Declination: 6.791°  
Grid Convergence: 0.197° West  
Magnetic Dip Angle: 60.421°  
Magnetic Field Strength: 47834.96135653nT

START TANGENT: 4820.00' MD/ 4576.50' TVD

END TANGENT: 5009.00' MD/ 4670.37' TVD

FINAL FTP/ 100' FWL @ 5303.22' MD

PLAT Poseidon #20H: FTP/ LP (100' FWL)

FINAL LTP/ 100' FEL @ 10383.32' MD

FINAL TD/ 83' FWL @ 10400' MD

#20H PVA SURVEY

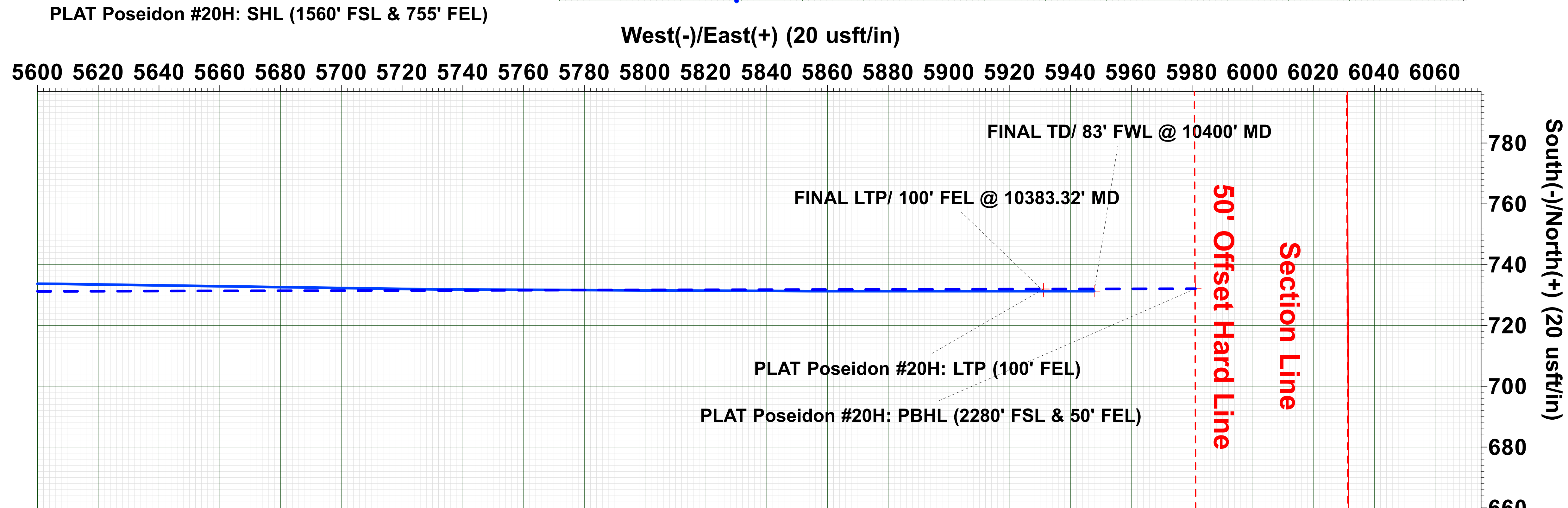
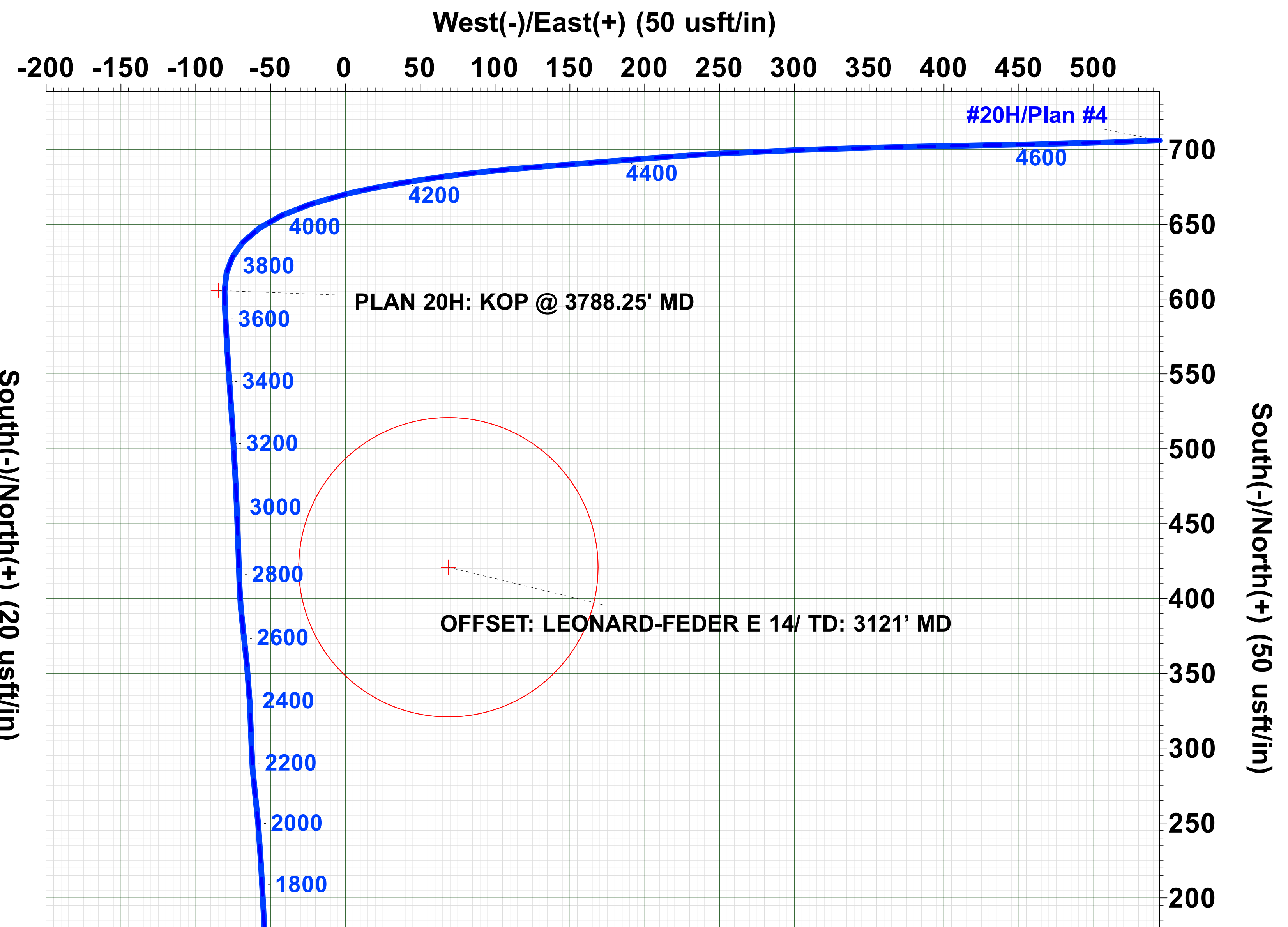
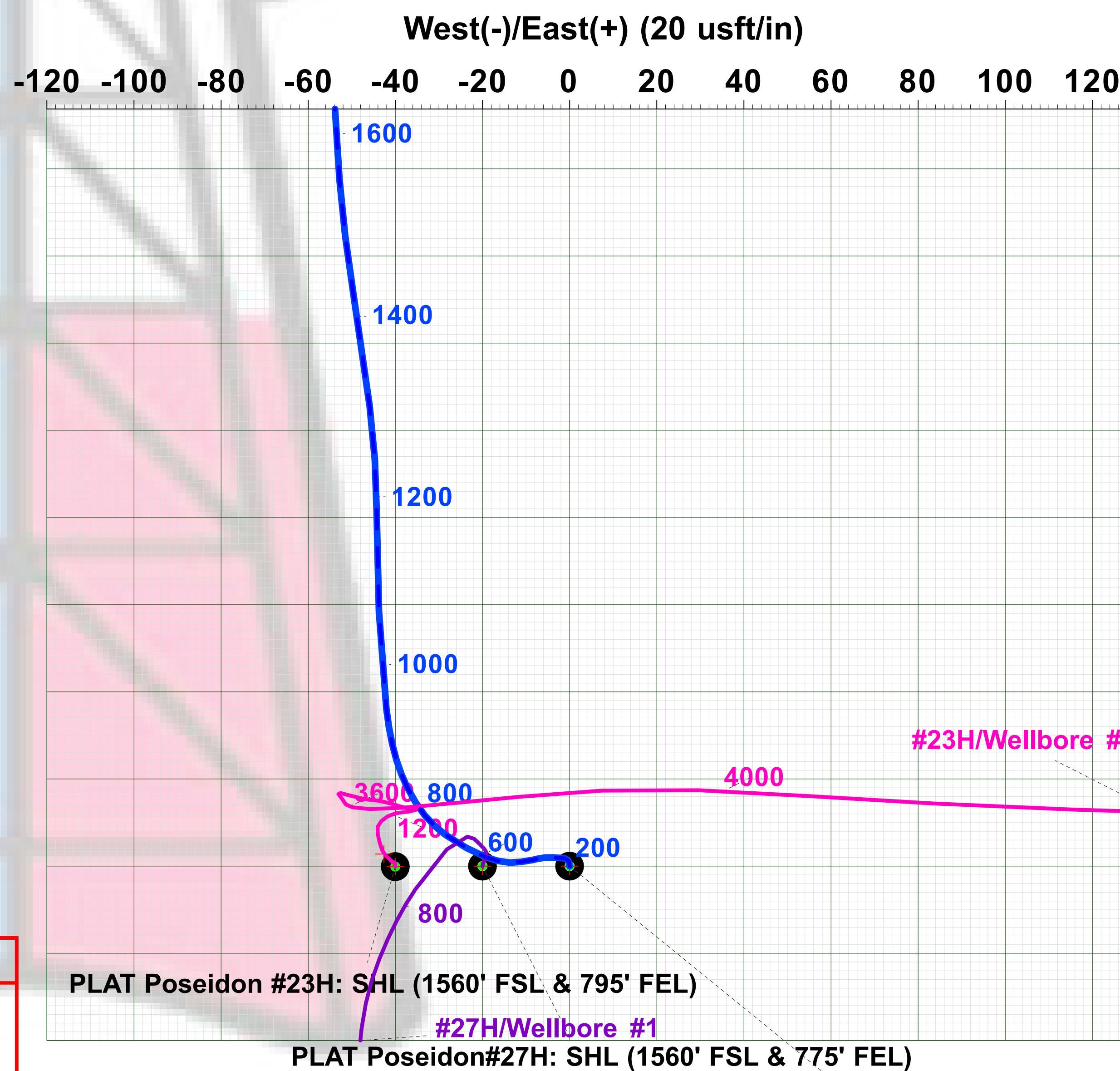
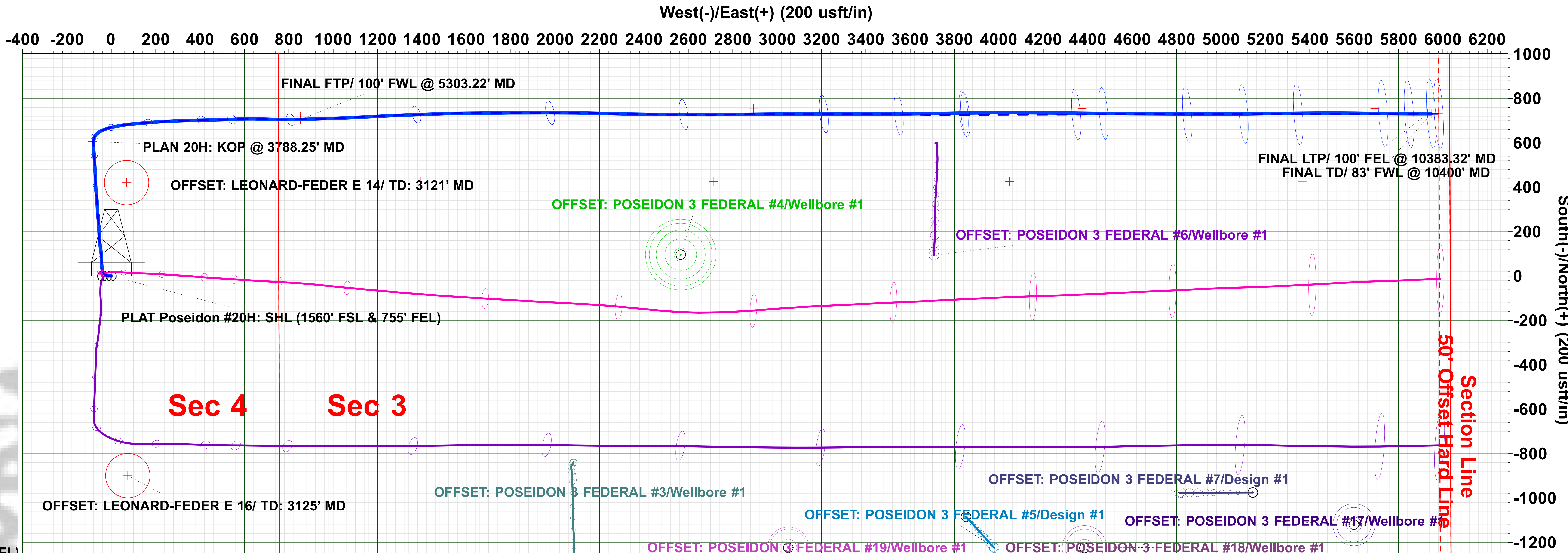
TD: Y= 677733.08 / X= 658598.98

Projection to Bit: 10400.00' MD/ 4780.01' TVD

Final Station Closure Distance= 5992.57 /Direction= 82.99

TD: Latitude= 32.8625277 / Longitude= -103.9514388

Vertical Section at 89.87° (200 usft/in)



Plan: Plan #4 (#20H/Wellbore #1) Akita 57

Created By: Matthew May Date: 8:26, May 22 2021



Intent ☐ As Drilled ☐

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

## Kick Off Point (KOP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

## First Take Point (FTP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

## Last Take Point (LTP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

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

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

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

KZ 06/29/2018

**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 41364

**ACKNOWLEDGMENTS**

|                                                                                 |                                                    |
|---------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                   |
|                                                                                 | Action Number:<br>41364                            |
|                                                                                 | 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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 41364

CONDITIONS

|                                                                                 |                                                    |
|---------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                   |
|                                                                                 | Action Number:<br>41364                            |
|                                                                                 | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By | Condition                                                                                  | Condition Date |
|------------|--------------------------------------------------------------------------------------------|----------------|
| ksimmons   | RT C-104 EXPIRES 11/11/2021; submit all drilling, casing, and completion reports/sundries. | 9/22/2021      |