

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>NW 02/14/2023 |
| <sup>4</sup> API Number<br>30 - 025-50213                                                                               | <sup>5</sup> Pool Name<br>MALJAMAR; YESO, WEST      | <sup>6</sup> Pool Code<br>44500                                      |
| <sup>7</sup> Property Code<br>331866                                                                                    | <sup>8</sup> Property Name<br>JG 16 STATE NORTH COM | <sup>9</sup> Well Number<br>20H                                      |

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

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
| D             | 16      | 17S      | 32E   |         | 1280          | NORTH            | 80            | WEST           | LEA    |

<sup>11</sup> Bottom Hole Location

FTP: 658' FNL 109' FWL LTP: 649' FNL 119' FEL

|                             |                                          |                                                 |                                   |         |                                    |                  |                                     |                |        |
|-----------------------------|------------------------------------------|-------------------------------------------------|-----------------------------------|---------|------------------------------------|------------------|-------------------------------------|----------------|--------|
| UL or lot no.               | Section                                  | Township                                        | Range                             | Lot Idn | Feet from the                      | North/South line | Feet from the                       | East/West line | County |
| A                           | 16                                       | 17S                                             | 32E                               |         | 651                                | NORTH            | 52                                  | EAST           | LEA    |
| <sup>12</sup> Lse Code<br>S | <sup>13</sup> Producing Method Code<br>P | <sup>14</sup> Gas Connection Date<br>10/15/2022 | <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>06/10/2022 | <sup>22</sup> Ready Date<br>10/26/2022 | <sup>23</sup> TD<br>5729'V/11311'M | <sup>24</sup> PBDT<br>5729'V/11266'M | <sup>25</sup> Perforations<br>6186'-11244' | <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             | 950'                                 |                                            | 1095 SXS (480 TO SURFACE)  |
| 12-1/4"                               |                                        | 9-5/8" 36# J-55 BTC                | 4054'                                |                                            | 1075 SXS (232 TO SURFACE)  |
| 8-3/4"                                |                                        | 7" 32# L-80 BK-HT                  | 6126'                                |                                            | 2005 SXS (366 TO SURFACE)  |
| 8-3/4"                                |                                        | 5-1/2" 20# L-80 BK-HT              | 11311'                               |                                            | 2005 SXS (366 TO SURFACE)  |
|                                       |                                        | 3-1/2" J-55 TBG                    | 6034'                                |                                            |                            |

V. Well Test Data

|                                          |                                               |                                       |                                      |                                    |                                             |
|------------------------------------------|-----------------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|---------------------------------------------|
| <sup>31</sup> Date New Oil<br>10/26/2022 | <sup>32</sup> Gas Delivery Date<br>10/15/2022 | <sup>33</sup> Test Date<br>11/01/2022 | <sup>34</sup> Test Length<br>24-HOUR | <sup>35</sup> Tbg. Pressure<br>230 | <sup>36</sup> Csg. Pressure<br>100          |
| <sup>37</sup> Choke Size<br>NA           | <sup>38</sup> Oil<br>547                      | <sup>39</sup> Water<br>1697           | <sup>40</sup> Gas<br>610             |                                    | <sup>41</sup> Test Method<br>PUMPING ON ESP |

|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature:<br><i>Sarah Chapman</i><br>Printed name:<br>SARAH CHAPMAN<br>Title:<br>REGULATORY DIRECTOR<br>E-mail Address:<br>SCHAPMAN@SPURENERGY.COM<br>Date:<br>02/14/2023 | OIL CONSERVATION DIVISION<br><br>Approved by: <i>PATRICIA MARTINEZ</i><br><br>Title: <i>PETROLEUM SPECIALIST</i><br><br>Approval Date: <i>7/17/2025</i> |                        |
|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         | Phone:<br>832-930-8613 |
|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |                        |
|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |                        |
|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |                        |

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

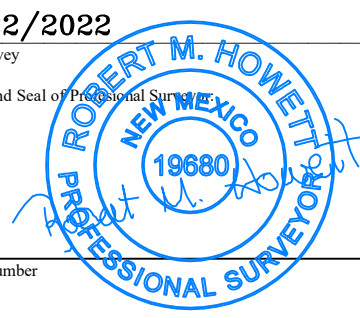
Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☒ AMENDED REPORT  
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                              |                      |                                                                |                     |                                                       |                              |                                  |                            |                                        |                      |
|--------------------------------------------------------------|----------------------|----------------------------------------------------------------|---------------------|-------------------------------------------------------|------------------------------|----------------------------------|----------------------------|----------------------------------------|----------------------|
| <sup>1</sup> API Number<br><b>30-025-50213</b>               |                      | <sup>2</sup> Pool Code<br><b>44500</b>                         |                     | <sup>3</sup> Pool Name<br><b>MALJAMAR; YESO, WEST</b> |                              |                                  |                            |                                        |                      |
| <sup>4</sup> Property Code<br><b>331866</b>                  |                      | <sup>5</sup> Property Name<br><b>JG 16 STATE NORTH COM</b>     |                     |                                                       |                              |                                  |                            | <sup>6</sup> Well Number<br><b>20H</b> |                      |
| <sup>7</sup> OGRID NO.<br><b>328947</b>                      |                      | <sup>8</sup> Operator Name<br><b>SPUR ENERGY PARTNERS LLC.</b> |                     |                                                       |                              |                                  |                            | <sup>9</sup> Elevation<br><b>4039'</b> |                      |
| <sup>10</sup> Surface Location                               |                      |                                                                |                     |                                                       |                              |                                  |                            |                                        |                      |
| UL or lot no.<br><b>D</b>                                    | Section<br><b>16</b> | Township<br><b>17S</b>                                         | Range<br><b>32E</b> | Lot Idn                                               | Feet from the<br><b>1280</b> | North/South line<br><b>NORTH</b> | Feet From the<br><b>80</b> | East/West line<br><b>WEST</b>          | County<br><b>LEA</b> |
| <sup>11</sup> Bottom Hole Location If Different From Surface |                      |                                                                |                     |                                                       |                              |                                  |                            |                                        |                      |
| UL or lot no.<br><b>A</b>                                    | Section<br><b>16</b> | Township<br><b>17S</b>                                         | Range<br><b>32E</b> | Lot Idn                                               | Feet from the<br><b>651</b>  | North/South line<br><b>NORTH</b> | Feet from the<br><b>52</b> | East/West line<br><b>EAST</b>          | County<br><b>LEA</b> |
| <sup>12</sup> Dedicated Acres<br><b>320</b>                  |                      | <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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <sup>16</sup> <u>GEODETIC DATA</u><br>NAD 83 GRID - NM EAST<br><br><u>SURFACE LOCATION (SL)</u><br>N: 669185.1 - E: 711352.2<br>LAT: 32.8383913° N<br>LONG: 103.7797851° W<br><br><u>FIRST TAKE POINT (FTP)</u><br>658' FNL - 109' FWL (SEC. 16)<br>N: 669807.0 - E: 711377.4<br>LAT: 32.8401000° N<br>LONG: 103.7796924° W<br>MD = 6186.0 - TVD = 5719.3<br><br><u>LAST TAKE POINT (LTP)</u><br>649' FNL - 119' FEL (SEC. 16)<br>N: 669830.3 - E: 716430.0<br>LAT: 32.8400905° N<br>LONG: 103.7632419° W<br>MD = 11244.0 - TVD = 5728.6                                                                                                                                                           |  |  | <u>BOTTOM HOLE (BH)</u><br>N: 669829.3 - E: 716497.0<br>LAT: 32.8400865° N<br>LONG: 103.7630238° W<br>MD = 11311.0 - TVD = 5728.9<br><br><u>CORNER DATA</u><br>NAD 83 GRID - NM EAST<br><br>A: FOUND BRASS CAP "1913"<br>N: 665163.9 - E: 706022.8<br><br>B: FOUND BRASS CAP "1913"<br>N: 667802.7 - E: 706007.8<br><br>C: FOUND BRASS CAP "1913"<br>N: 670449.0 - E: 705989.7<br><br>D: FOUND BRASS CAP "1913"<br>N: 670454.6 - E: 708627.4<br><br>E: FOUND BRASS CAP "1913"<br>N: 670464.6 - E: 711264.7 |  |  | F: FOUND 1" IRON PIPE<br>N: 670472.2 - E: 713904.0<br><br>G: FOUND BRASS CAP "1916"<br>N: 670479.9 - E: 716544.7<br><br>H: FOUND 2" IRON PIPE<br>N: 667841.6 - E: 716560.2<br><br>I: FOUND 1" NAIL<br>N: 665199.7 - E: 716576.6<br><br>J: FOUND BRASS CAP "1913"<br>N: 665193.8 - E: 713936.4<br><br>K: FOUND BRASS CAP "1913"<br>N: 665187.6 - E: 711296.2<br><br>L: FOUND BRASS CAP "1913"<br>N: 665175.0 - E: 708658.9<br><br>M: FOUND BRASS CAP "1913"<br>N: 667826.0 - E: 711280.3 |  |  |
| <sup>17</sup> <u>OPERATOR CERTIFICATION</u><br>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.<br><br>Signature <u>Sarah Chapman</u> Date <u>10/18/2022</u><br>SARAH CHAPMAN<br>Printed Name<br>SCHAPMAN@SPUREENERGY.COM<br>E-mail Address |  |  | <sup>18</sup> <u>SURVEYOR CERTIFICATION</u><br>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.<br><br><u>09/22/2022</u><br>Date of Survey<br>Signature and Seal of Professional Surveyor<br><br>19680<br>Certificate Number                             |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |

Job No: LS21050570ADC



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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **06/27/22** thru **07/06/22** conduct or supervise the taking of a **MWD Survey** from a depth of **174'** to a depth of **11311'**; 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 **JG 16 State North Com 20H** API No. **30-025-50213** in **Lea 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  
PH 936-756-3225 FAX 936-756-3248*



# **Spur Energy Partners, LLC**

**Lea County, NM (Nad-83/ NME)**

**JG 16 STATE NORTH COM**

**20H**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**07 July, 2022**





## Survey Report



|                  |                              |                                     |                                    |
|------------------|------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC    | <b>Local Co-ordinate Reference:</b> | Well 20H                           |
| <b>Project:</b>  | Lea County, NM (Nad-83/ NME) | <b>TVD Reference:</b>               | RKB = 20' @ 4059.00usft (AKITA 57) |
| <b>Site:</b>     | JG 16 STATE NORTH COM        | <b>MD Reference:</b>                | RKB = 20' @ 4059.00usft (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>     | Lea 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                  |           | JG 16 STATE NORTH COM |                 |                   |             |
| Site Position:        |           | Northing:             | 669,185.10 usft | Latitude:         | 32.838391   |
| From:                 | Map       | Easting:              | 711,352.20 usft | Longitude:        | -103.779785 |
| Position Uncertainty: | 0.00 usft | Slot Radius:          | 13.200 in       | Grid Convergence: | 0.300 °     |

|                      |       |           |                     |                 |               |               |
|----------------------|-------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | 20H   |           |                     |                 |               |               |
| Well Position        | +N/-S | 0.00 usft | Northing:           | 669,185.10 usft | Latitude:     | 32.838391     |
|                      | +E/-W | 0.00 usft | Easting:            | 711,352.20 usft | Longitude:    | -103.779785   |
| Position Uncertainty |       | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 4,039.00 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          | 06/01/22           | 6.578                  | 60.395               | 47,730.34451965            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <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                | 89.83                |      |

|                       |                  |                          |                   |                                         |  |
|-----------------------|------------------|--------------------------|-------------------|-----------------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 07/07/22                 |                   |                                         |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>  | <b>Description</b>                      |  |
| 174.00                | 900.00           | SPUDDER (Wellbore #1)    | MWD+IGRF          | OWSG MWD + IGRF or WMM                  |  |
| 900.00                | 11,311.00        | Survey #2 (Wellbore #1)  | MWD+IFR1+SAG+FDIR | OWSG MWD + IFR1 + Sag + FDIR Correction |  |

|                                       |                        |                    |                              |                     |                     |                                |                              |                             |                            |
|---------------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|------------------------------|-----------------------------|----------------------------|
| <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>1. SHL 20H: 1280' FNL, 80' FWL</b> |                        |                    |                              |                     |                     |                                |                              |                             |                            |
| 174.00                                | 1.10                   | 48.47              | 173.99                       | 1.11                | 1.25                | 1.25                           | 0.63                         | 0.63                        | 0.00                       |
| 262.00                                | 1.49                   | 325.85             | 261.97                       | 2.61                | 1.24                | 1.25                           | 1.97                         | 0.44                        | -93.89                     |
| 384.00                                | 3.91                   | 311.08             | 383.83                       | 6.66                | -2.79               | -2.77                          | 2.05                         | 1.98                        | -12.11                     |
| 470.00                                | 4.88                   | 315.22             | 469.58                       | 11.18               | -7.57               | -7.54                          | 1.19                         | 1.13                        | 4.81                       |
| 557.00                                | 4.79                   | 316.01             | 556.27                       | 16.42               | -12.70              | -12.65                         | 0.13                         | -0.10                       | 0.91                       |
| 643.00                                | 6.42                   | 311.44             | 641.85                       | 22.19               | -18.80              | -18.74                         | 1.96                         | 1.90                        | -5.31                      |
| 732.00                                | 9.58                   | 308.45             | 729.98                       | 30.09               | -28.33              | -28.24                         | 3.58                         | 3.55                        | -3.36                      |
| 820.00                                | 13.01                  | 307.48             | 816.26                       | 40.67               | -41.93              | -41.81                         | 3.90                         | 3.90                        | -1.10                      |



## Survey Report



|                  |                              |                                     |                                    |
|------------------|------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC    | <b>Local Co-ordinate Reference:</b> | Well 20H                           |
| <b>Project:</b>  | Lea County, NM (Nad-83/ NME) | <b>TVD Reference:</b>               | RKB = 20' @ 4059.00usft (AKITA 57) |
| <b>Site:</b>     | JG 16 STATE NORTH COM        | <b>MD Reference:</b>                | RKB = 20' @ 4059.00usft (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) |  |
| 900.00                          | 12.88           | 308.80      | 894.23                | 51.74        | -56.03       | -55.87                  | 0.40                  | -0.16                | 1.65                |  |
| 1,068.00                        | 12.28           | 306.22      | 1,058.19              | 74.03        | -85.03       | -84.81                  | 0.49                  | -0.36                | -1.54               |  |
| 1,188.00                        | 12.71           | 307.29      | 1,175.35              | 89.57        | -105.83      | -105.57                 | 0.41                  | 0.36                 | 0.89                |  |
| 1,310.00                        | 12.99           | 309.41      | 1,294.30              | 106.41       | -127.10      | -126.79                 | 0.45                  | 0.23                 | 1.74                |  |
| 1,435.00                        | 12.81           | 312.05      | 1,416.14              | 124.61       | -148.25      | -147.88                 | 0.49                  | -0.14                | 2.11                |  |
| 1,560.00                        | 13.32           | 301.69      | 1,537.92              | 141.45       | -170.79      | -170.37                 | 1.91                  | 0.41                 | -8.29               |  |
| 1,686.00                        | 13.24           | 298.54      | 1,660.56              | 155.97       | -195.82      | -195.36                 | 0.58                  | -0.06                | -2.50               |  |
| 1,811.00                        | 12.82           | 298.77      | 1,782.34              | 169.49       | -220.55      | -220.05                 | 0.34                  | -0.34                | 0.18                |  |
| 1,938.00                        | 12.31           | 298.69      | 1,906.29              | 182.77       | -244.78      | -244.24                 | 0.40                  | -0.40                | -0.06               |  |
| 2,063.00                        | 12.02           | 298.30      | 2,028.49              | 195.34       | -267.93      | -267.35                 | 0.24                  | -0.23                | -0.31               |  |
| 2,187.00                        | 14.18           | 300.64      | 2,149.25              | 209.20       | -292.37      | -291.75                 | 1.79                  | 1.74                 | 1.89                |  |
| 2,312.00                        | 13.95           | 301.30      | 2,270.51              | 224.83       | -318.41      | -317.75                 | 0.22                  | -0.18                | 0.53                |  |
| 2,438.00                        | 13.17           | 303.75      | 2,392.99              | 240.69       | -343.33      | -342.61                 | 0.77                  | -0.62                | 1.94                |  |
| 2,564.00                        | 13.13           | 309.66      | 2,515.70              | 257.80       | -366.28      | -365.51                 | 1.07                  | -0.03                | 4.69                |  |
| 2,689.00                        | 12.31           | 310.94      | 2,637.63              | 275.60       | -387.28      | -386.46                 | 0.69                  | -0.66                | 1.02                |  |
| 2,814.00                        | 11.18           | 307.37      | 2,760.01              | 291.68       | -406.97      | -406.11                 | 1.07                  | -0.90                | -2.86               |  |
| 2,940.00                        | 11.11           | 310.64      | 2,883.64              | 307.01       | -425.89      | -424.98                 | 0.50                  | -0.06                | 2.60                |  |
| 3,065.00                        | 13.39           | 309.34      | 3,005.78              | 324.03       | -446.23      | -445.27                 | 1.84                  | 1.82                 | -1.04               |  |
| 3,190.00                        | 13.76           | 307.02      | 3,127.29              | 342.15       | -469.29      | -468.28                 | 0.53                  | 0.30                 | -1.86               |  |
| 3,315.00                        | 13.34           | 306.59      | 3,248.81              | 359.70       | -492.74      | -491.67                 | 0.35                  | -0.34                | -0.34               |  |
| 3,439.00                        | 12.48           | 306.23      | 3,369.67              | 376.15       | -515.03      | -513.92                 | 0.70                  | -0.69                | -0.29               |  |
| 3,564.00                        | 12.32           | 306.21      | 3,491.76              | 392.01       | -536.69      | -535.52                 | 0.13                  | -0.13                | -0.02               |  |
| 3,688.00                        | 14.72           | 303.12      | 3,612.32              | 408.43       | -560.56      | -559.35                 | 2.02                  | 1.94                 | -2.49               |  |
| 3,814.00                        | 15.13           | 302.16      | 3,734.06              | 425.93       | -587.89      | -586.62                 | 0.38                  | 0.33                 | -0.76               |  |
| 3,939.00                        | 14.78           | 302.35      | 3,854.83              | 443.15       | -615.17      | -613.85                 | 0.28                  | -0.28                | 0.15                |  |
| 4,013.00                        | 14.44           | 302.48      | 3,926.44              | 453.15       | -630.93      | -629.58                 | 0.46                  | -0.46                | 0.18                |  |
| 4,106.00                        | 14.23           | 301.10      | 4,016.54              | 465.28       | -650.50      | -649.11                 | 0.43                  | -0.23                | -1.48               |  |
| 4,231.00                        | 13.08           | 301.12      | 4,138.01              | 480.53       | -675.76      | -674.33                 | 0.92                  | -0.92                | 0.02                |  |
| 4,357.00                        | 12.25           | 300.66      | 4,260.94              | 494.71       | -699.47      | -697.99                 | 0.66                  | -0.66                | -0.37               |  |
| 4,482.00                        | 11.52           | 298.27      | 4,383.26              | 507.39       | -721.87      | -720.36                 | 0.70                  | -0.58                | -1.91               |  |
| 4,609.00                        | 11.10           | 295.16      | 4,507.80              | 518.59       | -744.10      | -742.56                 | 0.58                  | -0.33                | -2.45               |  |
| 4,647.61                        | 9.97            | 301.27      | 4,545.75              | 521.91       | -750.32      | -748.77                 | 4.11                  | -2.92                | 15.82               |  |
| <b>2. KOP 20H @ 4647.09' MD</b> |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 4,672.00                        | 9.33            | 305.85      | 4,569.80              | 524.16       | -753.73      | -752.17                 | 4.11                  | -2.64                | 18.78               |  |
| 4,735.00                        | 7.96            | 334.64      | 4,632.11              | 531.10       | -759.74      | -758.16                 | 7.12                  | -2.17                | 45.70               |  |
| 4,797.00                        | 9.04            | 9.36        | 4,693.47              | 539.79       | -760.79      | -759.18                 | 8.32                  | 1.74                 | 56.00               |  |
| 4,860.00                        | 10.97           | 29.22       | 4,755.53              | 549.91       | -757.06      | -755.42                 | 6.23                  | 3.06                 | 31.52               |  |
| 4,923.00                        | 13.57           | 36.27       | 4,817.09              | 561.10       | -749.76      | -748.09                 | 4.76                  | 4.13                 | 11.19               |  |
| 4,986.00                        | 16.43           | 37.96       | 4,877.93              | 574.09       | -739.90      | -738.19                 | 4.59                  | 4.54                 | 2.68                |  |
| 5,049.00                        | 18.52           | 43.87       | 4,938.03              | 588.33       | -727.48      | -725.74                 | 4.35                  | 3.32                 | 9.38                |  |
| 5,111.00                        | 20.08           | 51.41       | 4,996.55              | 602.07       | -712.34      | -710.55                 | 4.74                  | 2.52                 | 12.16               |  |
| 5,173.00                        | 21.79           | 65.19       | 5,054.49              | 613.54       | -693.56      | -691.74                 | 8.39                  | 2.76                 | 22.23               |  |
| 5,236.00                        | 24.98           | 77.79       | 5,112.34              | 621.27       | -669.92      | -668.08                 | 9.39                  | 5.06                 | 20.00               |  |



## Survey Report



|                  |                              |                                     |                                    |
|------------------|------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC    | <b>Local Co-ordinate Reference:</b> | Well 20H                           |
| <b>Project:</b>  | Lea County, NM (Nad-83/ NME) | <b>TVD Reference:</b>               | RKB = 20' @ 4059.00usft (AKITA 57) |
| <b>Site:</b>     | JG 16 STATE NORTH COM        | <b>MD Reference:</b>                | RKB = 20' @ 4059.00usft (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) |
| 5,299.00                              | 27.63           | 87.18       | 5,168.84              | 624.81       | -642.32      | -640.46                 | 7.82                  | 4.21                 | 14.90               |
| 5,362.00                              | 29.88           | 88.91       | 5,224.07              | 625.82       | -612.03      | -610.17                 | 3.81                  | 3.57                 | 2.75                |
| 5,425.00                              | 32.88           | 90.26       | 5,277.85              | 626.04       | -579.23      | -577.37                 | 4.89                  | 4.76                 | 2.14                |
| 5,488.00                              | 36.90           | 90.70       | 5,329.51              | 625.74       | -543.20      | -541.35                 | 6.39                  | 6.38                 | 0.70                |
| 5,550.00                              | 41.14           | 90.50       | 5,377.67              | 625.33       | -504.18      | -502.32                 | 6.84                  | 6.84                 | -0.32               |
| 5,612.00                              | 45.24           | 91.22       | 5,422.87              | 624.68       | -461.76      | -459.91                 | 6.66                  | 6.61                 | 1.16                |
| 5,675.00                              | 48.16           | 91.05       | 5,466.07              | 623.78       | -415.93      | -414.07                 | 4.64                  | 4.63                 | -0.27               |
| 5,738.00                              | 52.81           | 90.67       | 5,506.14              | 623.05       | -367.34      | -365.49                 | 7.40                  | 7.38                 | -0.60               |
| 5,801.00                              | 58.19           | 89.79       | 5,541.81              | 622.86       | -315.44      | -313.59                 | 8.62                  | 8.54                 | -1.40               |
| 5,864.00                              | 60.86           | 89.89       | 5,573.76              | 623.01       | -261.15      | -259.30                 | 4.24                  | 4.24                 | 0.16                |
| <b>START TANGENT: 5864.00' MD</b>     |                 |             |                       |              |              |                         |                       |                      |                     |
| 5,894.00                              | 60.79           | 89.91       | 5,588.39              | 623.05       | -234.96      | -233.11                 | 0.24                  | -0.23                | 0.07                |
| 5,924.00                              | 60.59           | 89.71       | 5,603.07              | 623.14       | -208.80      | -206.95                 | 0.88                  | -0.67                | -0.67               |
| 5,954.00                              | 60.41           | 89.56       | 5,617.85              | 623.31       | -182.69      | -180.84                 | 0.74                  | -0.60                | -0.50               |
| 5,983.00                              | 60.24           | 89.53       | 5,632.20              | 623.51       | -157.49      | -155.64                 | 0.59                  | -0.59                | -0.10               |
| 6,012.00                              | 59.96           | 89.38       | 5,646.66              | 623.75       | -132.35      | -130.50                 | 1.06                  | -0.97                | -0.52               |
| 6,042.00                              | 60.73           | 89.62       | 5,661.50              | 623.97       | -106.28      | -104.43                 | 2.66                  | 2.57                 | 0.80                |
| <b>END TANGENT: 6042.00' MD</b>       |                 |             |                       |              |              |                         |                       |                      |                     |
| 6,103.00                              | 64.55           | 90.34       | 5,689.53              | 623.99       | -52.12       | -50.27                  | 6.35                  | 6.26                 | 1.18                |
| 6,163.00                              | 70.32           | 91.87       | 5,712.55              | 622.90       | 3.25         | 5.10                    | 9.90                  | 9.62                 | 2.55                |
| 6,176.91                              | 71.58           | 92.20       | 5,717.09              | 622.44       | 16.39        | 18.24                   | 9.30                  | 9.03                 | 2.36                |
| <b>FINAL FTP: 6176.91' MD</b>         |                 |             |                       |              |              |                         |                       |                      |                     |
| 6,179.17                              | 71.78           | 92.25       | 5,717.80              | 622.35       | 18.54        | 20.38                   | 9.30                  | 9.03                 | 2.34                |
| <b>3. FTP 20H: 660' FNL, 100' FWL</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 6,222.00                              | 75.65           | 93.23       | 5,729.81              | 620.38       | 59.59        | 61.43                   | 9.30                  | 9.04                 | 2.29                |
| 6,283.00                              | 82.54           | 91.35       | 5,741.34              | 618.00       | 119.40       | 121.24                  | 11.69                 | 11.30                | -3.08               |
| 6,328.71                              | 87.85           | 89.04       | 5,745.17              | 617.85       | 164.94       | 166.77                  | 12.67                 | 11.62                | -5.06               |
| <b>4. PLAN LP @ 6330.50' MD</b>       |                 |             |                       |              |              |                         |                       |                      |                     |
| 6,344.00                              | 89.63           | 88.27       | 5,745.50              | 618.21       | 180.22       | 182.05                  | 12.67                 | 11.63                | -5.02               |
| 6,464.00                              | 93.13           | 89.58       | 5,742.61              | 620.46       | 300.14       | 301.98                  | 3.11                  | 2.92                 | 1.09                |
| 6,582.00                              | 92.29           | 89.28       | 5,737.03              | 621.64       | 418.00       | 419.84                  | 0.76                  | -0.71                | -0.25               |
| 6,709.00                              | 91.36           | 89.00       | 5,732.99              | 623.54       | 544.92       | 546.77                  | 0.76                  | -0.73                | -0.22               |
| 6,835.00                              | 89.82           | 92.73       | 5,731.69              | 621.64       | 670.87       | 672.71                  | 3.20                  | -1.22                | 2.96                |
| 6,959.00                              | 88.36           | 92.79       | 5,733.66              | 615.67       | 794.71       | 796.53                  | 1.18                  | -1.18                | 0.05                |
| 7,084.00                              | 89.23           | 91.92       | 5,736.29              | 610.53       | 919.57       | 921.38                  | 0.98                  | 0.70                 | -0.70               |
| 7,211.00                              | 90.13           | 90.15       | 5,737.00              | 608.24       | 1,046.54     | 1,048.34                | 1.56                  | 0.71                 | -1.39               |
| 7,337.00                              | 88.56           | 90.00       | 5,738.44              | 608.08       | 1,172.53     | 1,174.33                | 1.25                  | -1.25                | -0.12               |
| 7,463.00                              | 89.54           | 89.26       | 5,740.53              | 608.89       | 1,298.51     | 1,300.31                | 0.97                  | 0.78                 | -0.59               |
| 7,589.00                              | 88.36           | 89.49       | 5,742.84              | 610.26       | 1,424.48     | 1,426.28                | 0.95                  | -0.94                | 0.18                |
| 7,716.00                              | 90.27           | 87.92       | 5,744.36              | 613.13       | 1,551.43     | 1,553.24                | 1.95                  | 1.50                 | -1.24               |
| 7,842.00                              | 92.26           | 88.36       | 5,741.57              | 617.22       | 1,677.32     | 1,679.15                | 1.62                  | 1.58                 | 0.35                |
| 7,968.00                              | 91.19           | 88.33       | 5,737.78              | 620.86       | 1,803.21     | 1,805.05                | 0.85                  | -0.85                | -0.02               |
| 8,093.00                              | 90.07           | 88.07       | 5,736.41              | 624.79       | 1,928.14     | 1,929.99                | 0.92                  | -0.90                | -0.21               |
| 8,220.00                              | 89.15           | 88.20       | 5,737.27              | 628.92       | 2,055.07     | 2,056.93                | 0.73                  | -0.72                | 0.10                |



## Survey Report



|                  |                              |                                     |                                    |
|------------------|------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC    | <b>Local Co-ordinate Reference:</b> | Well 20H                           |
| <b>Project:</b>  | Lea County, NM (Nad-83/ NME) | <b>TVD Reference:</b>               | RKB = 20' @ 4059.00usft (AKITA 57) |
| <b>Site:</b>     | JG 16 STATE NORTH COM        | <b>MD Reference:</b>                | RKB = 20' @ 4059.00usft (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) |
| 8,345.00                                                                                                                         | 88.25           | 88.01       | 5,740.11              | 633.05       | 2,179.97     | 2,181.84                | 0.74                  | -0.72                | -0.15               |
| 8,471.00                                                                                                                         | 91.25           | 89.24       | 5,740.66              | 636.07       | 2,305.91     | 2,307.79                | 2.57                  | 2.38                 | 0.98                |
| 8,596.00                                                                                                                         | 90.44           | 89.31       | 5,738.81              | 637.66       | 2,430.89     | 2,432.77                | 0.65                  | -0.65                | 0.06                |
| 8,721.00                                                                                                                         | 89.34           | 88.85       | 5,739.05              | 639.66       | 2,555.87     | 2,557.76                | 0.95                  | -0.88                | -0.37               |
| 8,846.00                                                                                                                         | 90.97           | 90.72       | 5,738.72              | 640.13       | 2,680.86     | 2,682.75                | 1.98                  | 1.30                 | 1.50                |
| 8,971.00                                                                                                                         | 89.48           | 88.42       | 5,738.22              | 641.07       | 2,805.84     | 2,807.73                | 2.19                  | -1.19                | -1.84               |
| 9,096.00                                                                                                                         | 89.71           | 85.57       | 5,739.11              | 647.62       | 2,930.65     | 2,932.56                | 2.29                  | 0.18                 | -2.28               |
| 9,222.00                                                                                                                         | 90.35           | 87.72       | 5,739.04              | 655.00       | 3,056.43     | 3,058.36                | 1.78                  | 0.51                 | 1.71                |
| 9,349.00                                                                                                                         | 89.68           | 92.14       | 5,739.01              | 655.15       | 3,183.40     | 3,185.33                | 3.52                  | -0.53                | 3.48                |
| 9,476.00                                                                                                                         | 88.50           | 91.62       | 5,741.03              | 650.98       | 3,310.31     | 3,312.23                | 1.02                  | -0.93                | -0.41               |
| 9,602.00                                                                                                                         | 91.30           | 90.25       | 5,741.25              | 648.93       | 3,436.28     | 3,438.19                | 2.47                  | 2.22                 | -1.09               |
| 9,728.00                                                                                                                         | 90.24           | 89.91       | 5,739.55              | 648.75       | 3,562.26     | 3,564.17                | 0.88                  | -0.84                | -0.27               |
| 9,855.00                                                                                                                         | 92.51           | 90.49       | 5,736.51              | 648.31       | 3,689.22     | 3,691.13                | 1.84                  | 1.79                 | 0.46                |
| 9,981.00                                                                                                                         | 91.64           | 89.97       | 5,731.94              | 647.80       | 3,815.13     | 3,817.04                | 0.80                  | -0.69                | -0.41               |
| 10,106.00                                                                                                                        | 90.63           | 89.52       | 5,729.47              | 648.36       | 3,940.11     | 3,942.01                | 0.88                  | -0.81                | -0.36               |
| 10,232.00                                                                                                                        | 89.57           | 88.69       | 5,729.25              | 650.33       | 4,066.09     | 4,068.00                | 1.07                  | -0.84                | -0.66               |
| 10,357.00                                                                                                                        | 88.70           | 88.31       | 5,731.13              | 653.60       | 4,191.03     | 4,192.95                | 0.76                  | -0.70                | -0.30               |
| 10,483.00                                                                                                                        | 89.99           | 90.68       | 5,732.58              | 654.71       | 4,317.00     | 4,318.93                | 2.14                  | 1.02                 | 1.88                |
| 10,608.00                                                                                                                        | 89.12           | 90.46       | 5,733.55              | 653.47       | 4,441.99     | 4,443.91                | 0.72                  | -0.70                | -0.18               |
| 10,733.00                                                                                                                        | 88.62           | 90.03       | 5,736.01              | 652.93       | 4,566.97     | 4,568.88                | 0.53                  | -0.40                | -0.34               |
| 10,854.00                                                                                                                        | 91.67           | 89.89       | 5,735.70              | 653.02       | 4,687.95     | 4,689.87                | 2.52                  | 2.52                 | -0.12               |
| 10,974.00                                                                                                                        | 91.93           | 91.49       | 5,731.94              | 651.57       | 4,807.88     | 4,809.79                | 1.35                  | 0.22                 | 1.33                |
| 11,096.00                                                                                                                        | 90.64           | 91.51       | 5,729.20              | 648.38       | 4,929.80     | 4,931.71                | 1.06                  | -1.06                | 0.02                |
| 11,215.00                                                                                                                        | 89.96           | 91.01       | 5,728.58              | 645.76       | 5,048.77     | 5,050.67                | 0.71                  | -0.57                | -0.42               |
| 11,241.00                                                                                                                        | 89.80           | 90.94       | 5,728.63              | 645.32       | 5,074.77     | 5,076.66                | 0.67                  | -0.62                | -0.27               |
| 11,262.54                                                                                                                        | 89.80           | 90.94       | 5,728.71              | 644.97       | 5,096.31     | 5,098.20                | 0.00                  | 0.00                 | 0.00                |
| <b>FINAL LTP: 11262.54' MD - 5. LTP 20H: 660' FNL, 100' FEL</b>                                                                  |                 |             |                       |              |              |                         |                       |                      |                     |
| 11,311.00                                                                                                                        | 89.80           | 90.94       | 5,728.88              | 644.17       | 5,144.76     | 5,146.65                | 0.00                  | 0.00                 | 0.00                |
| <b>Projection to Bit: 11311.00' MD/ 5728.88' TVD - Final Station Closure Distance= 5184.93 /Direction= 82.86 - TD: Latitude=</b> |                 |             |                       |              |              |                         |                       |                      |                     |

| Design Targets                                                          |               |              |            |              |              |                 |                |           |             |
|-------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name                                                             | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| FINAL FTP: 658' FNL<br>- hit/miss target<br>- Shape                     | 0.00          | 0.00         | 5,717.09   | 622.44       | 16.39        | 669,807.54      | 711,368.59     | 32.840102 | -103.779721 |
| - actual wellpath hits target center<br>- Point                         |               |              |            |              |              |                 |                |           |             |
| FINAL LTP: 650' FNL,<br>- actual wellpath hits target center<br>- Point | 0.00          | 0.00         | 5,728.71   | 644.97       | 5,096.31     | 669,830.07      | 716,448.51     | 32.840089 | -103.763182 |
| - actual wellpath hits target center<br>- Point                         |               |              |            |              |              |                 |                |           |             |
| FINAL BIT PROJ/TD:<br>- actual wellpath hits target center<br>- Point   | 0.00          | 0.00         | 5,728.88   | 644.17       | 5,144.76     | 669,829.28      | 716,496.96     | 32.840087 | -103.763024 |
| - actual wellpath hits target center<br>- Point                         |               |              |            |              |              |                 |                |           |             |



## Survey Report



|                  |                              |                                     |                                    |
|------------------|------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC    | <b>Local Co-ordinate Reference:</b> | Well 20H                           |
| <b>Project:</b>  | Lea County, NM (Nad-83/ NME) | <b>TVD Reference:</b>               | RKB = 20' @ 4059.00usft (AKITA 57) |
| <b>Site:</b>     | JG 16 STATE NORTH COM        | <b>MD Reference:</b>                | RKB = 20' @ 4059.00usft (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 Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                                   |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                                           |
| 5,864.00              | 5,573.76              | 623.01            | -261.15      | START TANGENT: 5864.00' MD                                |
| 6,042.00              | 5,661.50              | 623.97            | -106.28      | END TANGENT: 6042.00' MD                                  |
| 6,176.91              | 5,717.09              | 622.44            | 16.39        | FINAL FTP: 6176.91' MD                                    |
| 11,262.54             | 5,728.71              | 644.97            | 5,096.31     | FINAL LTP: 11262.54' MD                                   |
| 11,311.00             | 5,728.88              | 644.17            | 5,144.76     | Projection to Bit: 11311.00' MD/ 5728.88' TVD             |
| 11,311.00             | 5,728.88              | 644.17            | 5,144.76     | Final Station Closure Distance= 5184.93 /Direction= 82.86 |
| 11,311.00             | 5,728.88              | 644.17            | 5,144.76     | TD: Latitude= 32.840086 / Longitude= -103.763024          |
| 11,311.00             | 5,728.88              | 644.17            | 5,144.76     | TD: Y= 669829.27 / X= 716496.96                           |

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

**Company:** Spur Energy Partners, LLC  
**Project:** Lea County, NM (Nad-83/ NME)  
**Site:** JG 16 STATE NORTH COM  
**Well:** 20H  
**Wellbore:** Wellbore #1  
**Rig:** AKITA 57  
**Design:** PLAN #2 / 8:24, July 07 2022

WELL DETAILS: 20H

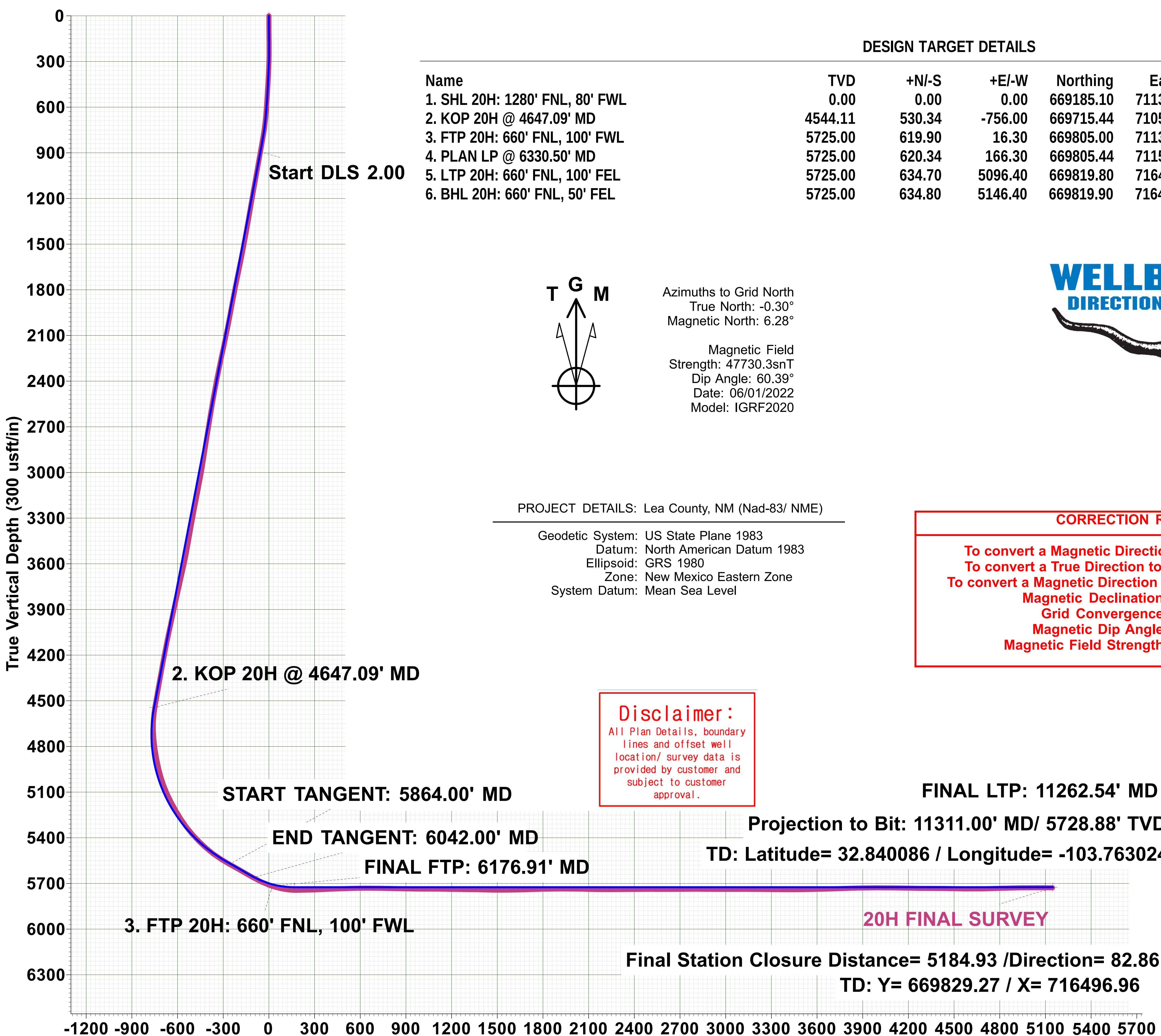
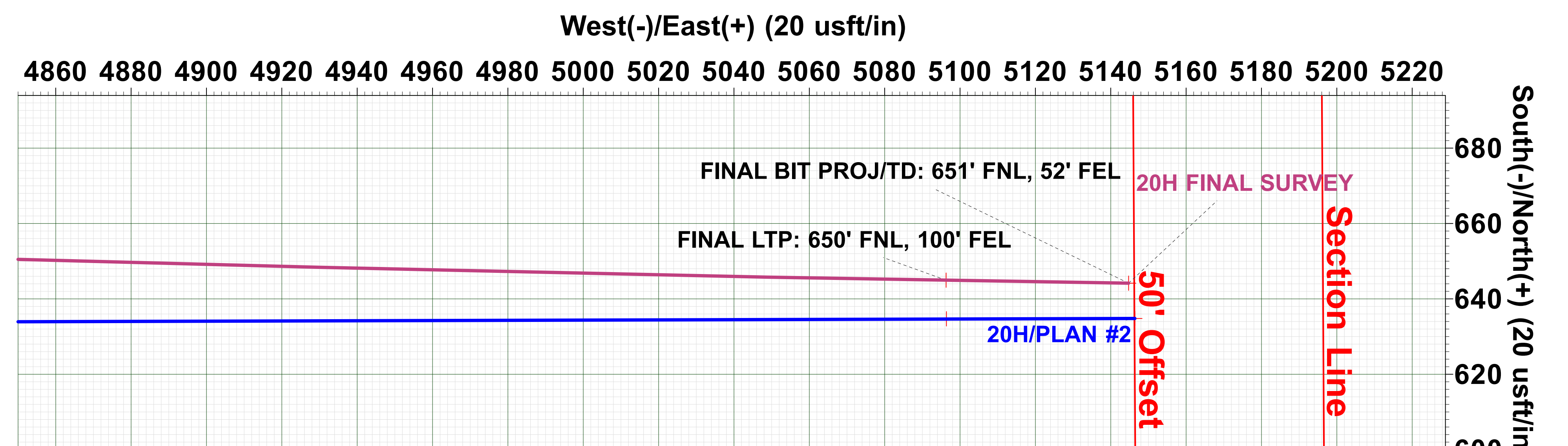
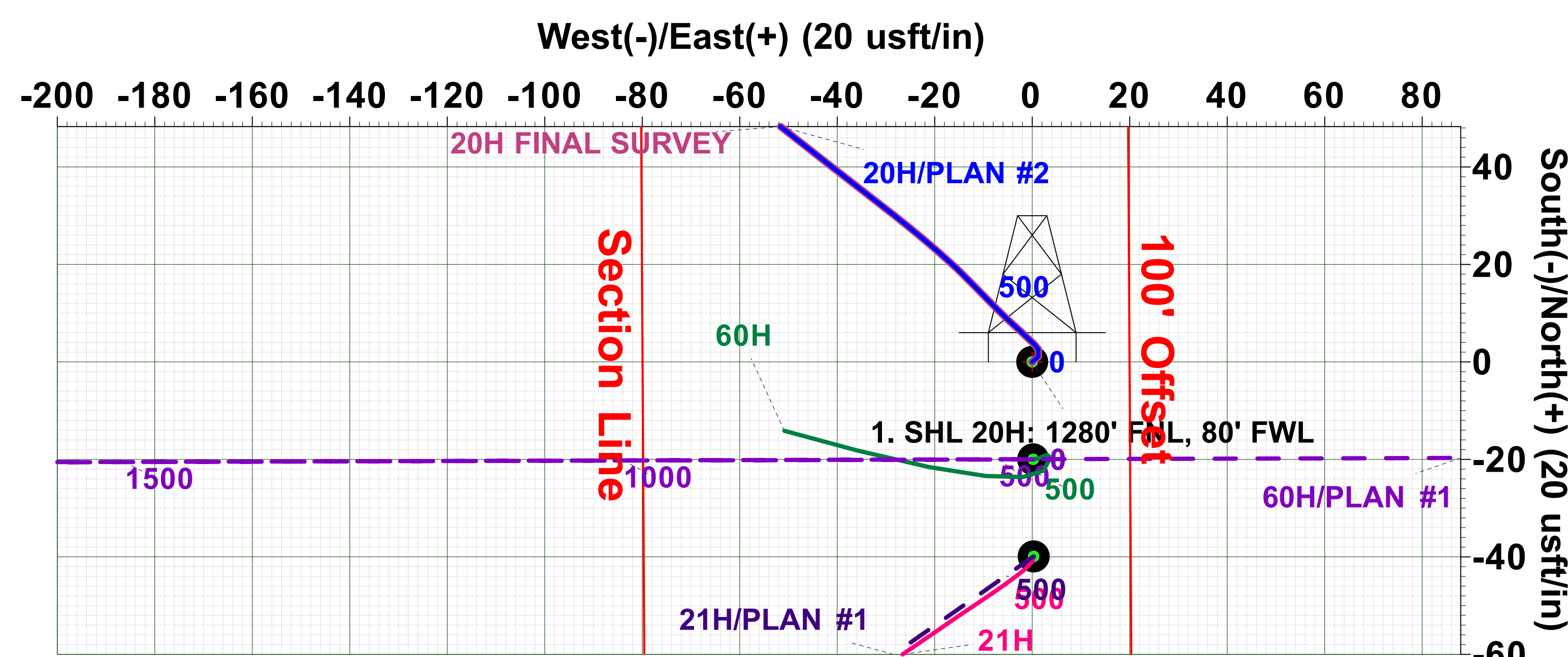
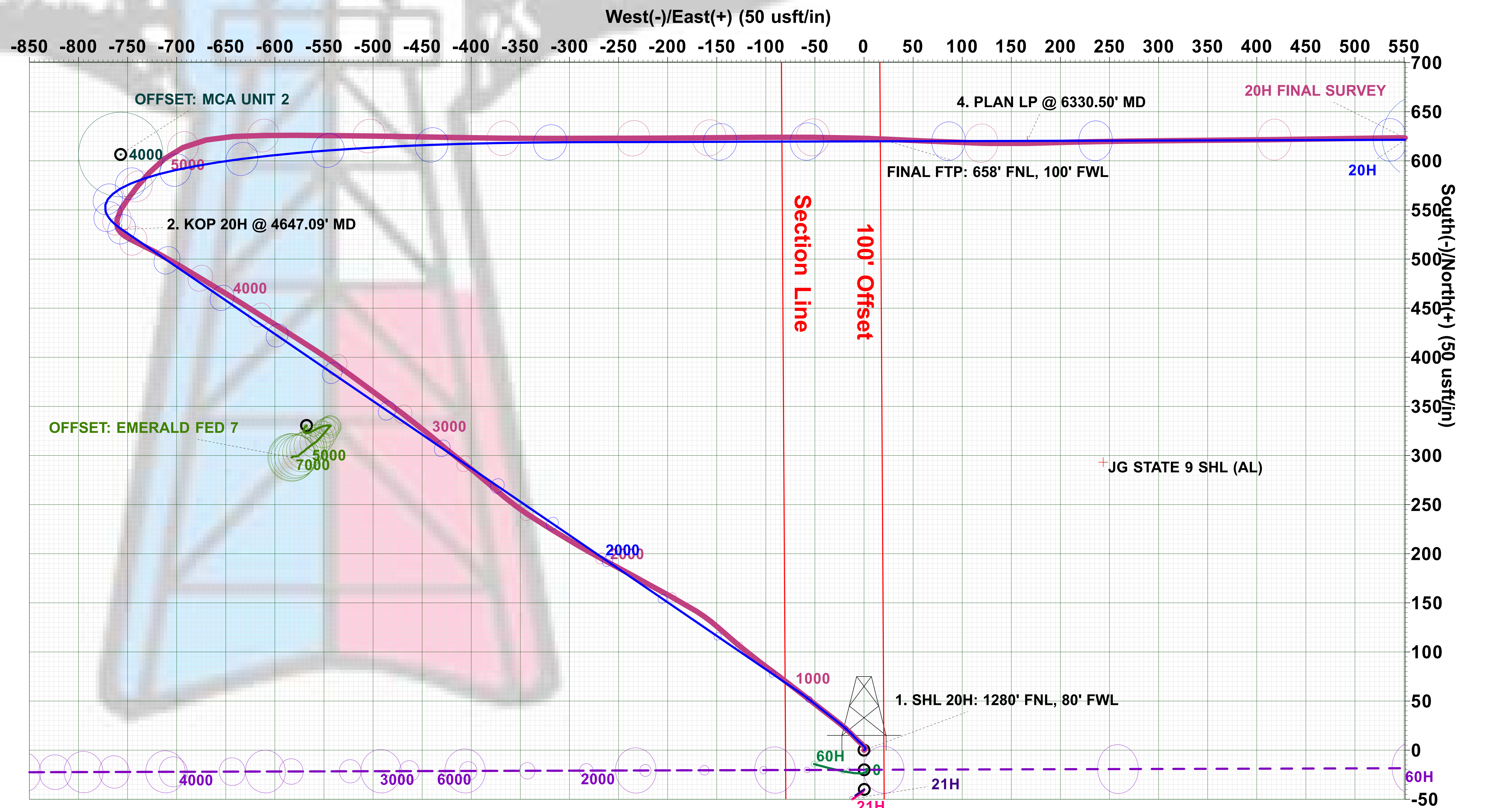
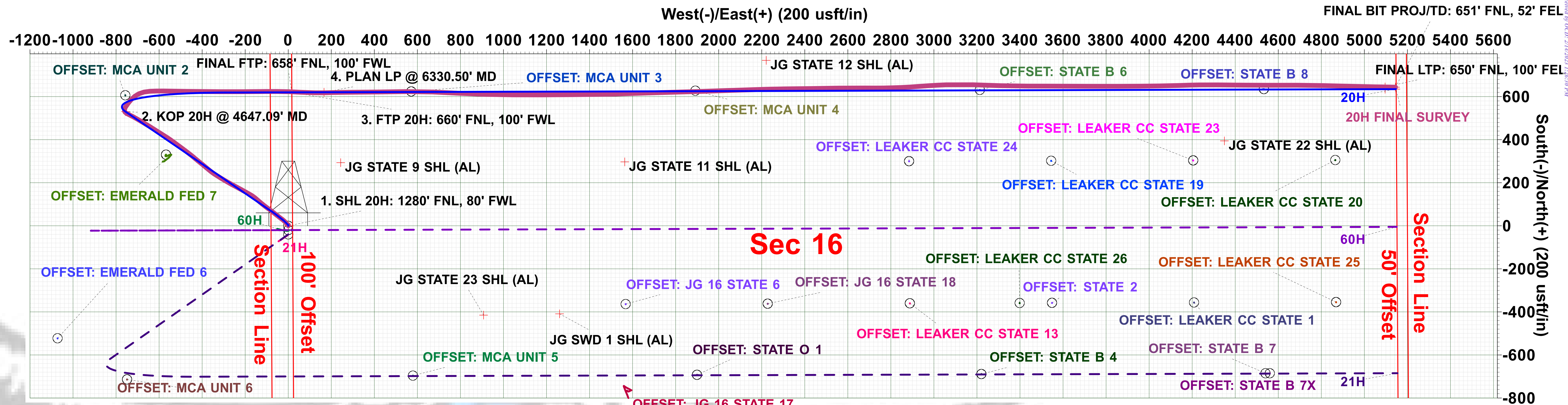
RKB = 20' @ 4059.00usft (AKITA 57

| +N/-S | +E/-W | Northing  | Easting   | Latitude  | Longitude   |
|-------|-------|-----------|-----------|-----------|-------------|
| 0.00  | 0.00  | 669185.10 | 711352.20 | 32.838391 | -103.779785 |

## SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S  | +E/-W   | Dleg  | TFace   | VSec    |
|-----|----------|-------|--------|---------|--------|---------|-------|---------|---------|
| 1   | 900.00   | 12.88 | 308.80 | 894.23  | 51.74  | -56.03  | 0.00  | 0.000   | -55.87  |
| 2   | 951.16   | 13.08 | 304.33 | 944.08  | 58.58  | -65.25  | 2.00  | -80.874 | -65.08  |
| 3   | 4647.09  | 13.08 | 304.33 | 4544.11 | 530.34 | -756.00 | 0.00  | 0.000   | -754.43 |
| 4   | 5830.50  | 60.00 | 89.83  | 5548.24 | 619.00 | -293.38 | 6.00  | 148.752 | -291.54 |
| 5   | 6030.50  | 60.00 | 89.83  | 5648.24 | 619.50 | -120.18 | 0.00  | 0.000   | -118.34 |
| 6   | 6330.50  | 90.00 | 89.83  | 5725.00 | 620.34 | 166.30  | 10.00 | 0.000   | 168.14  |
| 7   | 11260.62 | 90.00 | 89.83  | 5725.00 | 634.65 | 5096.40 | 0.00  | 0.000   | 5098.26 |
| 8   | 11310.62 | 90.00 | 89.83  | 5725.00 | 634.80 | 5146.40 | 0.00  | 0.000   | 5148.26 |

4. PLAN LP @ 6330.50' MD  
5. LTP 20H: 660' FNL, 100' FEL  
6. BHL 20H: 660' FNL, 50' FEL



**WELLBENDERS**  
DIRECTIONAL SERVICES LLC

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.278°  
 To convert a True Direction to a Grid Direction, Subtract 0.300°  
 To convert a Magnetic Direction to a True Direction, Add 6.578° East  
 Magnetic Declination: 6.578°  
 Grid Convergence: 0.300° West  
 Magnetic Dip Angle: 60.395°  
 Magnetic Field Strength: 47730.34451965nT

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

Plan: PLAN #2 (20H/Wellbore #1) AKITA 57

Created By: Derek Stephens Date: 8:24, July 07 2022

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

|                                  |                                              |                                    |
|----------------------------------|----------------------------------------------|------------------------------------|
| Well Name: JG 16 STATE NORTH COM | Well Location: T17S / R32E / SEC 16 / NWNW / | County or Parish/State: /          |
| Well Number: 20H                 | Type of Well: OIL WELL                       | Allottee or Tribe Name:            |
| Lease Number: NMLC0060329        | Unit or CA Name:                             | Unit or CA Number:                 |
| US Well Number: 3002550213       | Well Status: Drilling Well                   | Operator: SPUR ENERGY PARTNERS LLC |

Subsequent Report

Sundry ID: 2696747

Type of Submission: Subsequent Report

Date Sundry Submitted: 10/06/2022

Date Operation Actually Began: 09/11/2022

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 07:29

Actual Procedure: 09/11/2022 RIH & cleanout to PBTD @ 11266'. RIH & perf from 6186'-11244', total shots 900/ft @ 0.42 shot size. Frac in 25 stages w/ 12161730gal slickwater and 5081115# sand. 09/22/2022 rig down wireline and cleanout. Will file tbg sundry once in hole.

|                                         |                                                     |                                           |
|-----------------------------------------|-----------------------------------------------------|-------------------------------------------|
| <b>Well Name:</b> JG 16 STATE NORTH COM | <b>Well Location:</b> T17S / R32E / SEC 16 / NWNW / | <b>County or Parish/State:</b> /          |
| <b>Well Number:</b> 20H                 | <b>Type of Well:</b> OIL WELL                       | <b>Allottee or Tribe Name:</b>            |
| <b>Lease Number:</b> NMLC0060329        | <b>Unit or CA Name:</b>                             | <b>Unit or CA Number:</b>                 |
| <b>US Well Number:</b> 3002550213       | <b>Well Status:</b> Drilling Well                   | <b>Operator:</b> SPUR ENERGY PARTNERS LLC |

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                                     |                                         |
|-----------------------------------------------------|-----------------------------------------|
| <b>Operator Electronic Signature:</b> SARAH CHAPMAN | <b>Signed on:</b> OCT 06, 2022 07:29 AM |
| <b>Name:</b> SPUR ENERGY PARTNERS LLC               |                                         |
| <b>Title:</b> Regulatory Directory                  |                                         |
| <b>Street Address:</b> 9655 KATY FREEWAY, SUITE 500 |                                         |
| <b>City:</b> Houston                                | <b>State:</b> TX                        |
| <b>Phone:</b> (832) 930-8613                        |                                         |
| <b>Email address:</b> SCHAPMAN@SPUREPLLC.COM        |                                         |

Field

|                             |               |             |
|-----------------------------|---------------|-------------|
| <b>Representative Name:</b> |               |             |
| <b>Street Address:</b>      |               |             |
| <b>City:</b>                | <b>State:</b> | <b>Zip:</b> |
| <b>Phone:</b>               |               |             |
| <b>Email address:</b>       |               |             |

BLM Point of Contact

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| <b>BLM POC Name:</b> Jonathon W Shepard | <b>BLM POC Title:</b> Petroleum Engineer       |
| <b>BLM POC Phone:</b> 5752345972        | <b>BLM POC Email Address:</b> jshepard@blm.gov |
| <b>Disposition:</b> Accepted            | <b>Disposition Date:</b> 10/19/2022            |
| <b>Signature:</b> Jonathon Shepard      |                                                |

|                                  |                                              |                                    |
|----------------------------------|----------------------------------------------|------------------------------------|
| Well Name: JG 16 STATE NORTH COM | Well Location: T17S / R32E / SEC 16 / NWNW / | County or Parish/State: /          |
| Well Number: 20H                 | Type of Well: OIL WELL                       | Allottee or Tribe Name:            |
| Lease Number: NMLC0060329        | Unit or CA Name:                             | Unit or CA Number:                 |
| US Well Number: 3002550213       | Well Status: Drilling Well                   | Operator: SPUR ENERGY PARTNERS LLC |

Subsequent Report

Sundry ID: 2699777

|                                           |                                     |
|-------------------------------------------|-------------------------------------|
| Type of Submission: Subsequent Report     | Type of Action: Workover Operations |
| Date Sundry Submitted: 10/26/2022         | Time Sundry Submitted: 08:52        |
| Date Operation Actually Began: 10/22/0222 |                                     |

Actual Procedure: RIH w/ 3-1/2" J-55 tbg @ 6034'.

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Operator Electronic Signature: SARAH CHAPMAN | Signed on: OCT 26, 2022 08:52 AM |
| Name: SPUR ENERGY PARTNERS LLC               |                                  |
| Title: Regulatory Directory                  |                                  |
| Street Address: 9655 KATY FREEWAY, SUITE 500 |                                  |
| City: Houston                                | State: TX                        |
| Phone: (832) 930-8613                        |                                  |
| Email address: SCHAPMAN@SPUREPLLC.COM        |                                  |

Field

Representative Name:

Street Address:

|                |        |      |
|----------------|--------|------|
| City:          | State: | Zip: |
| Phone:         |        |      |
| Email address: |        |      |

**Well Name:** JG 16 STATE NORTH  
COM

**Well Number:** 20H

**Lease Number:** NMLC0060329

**US Well Number:** 3002550213

**Well Location:** T17S / R32E / SEC 16 /  
NWNW /

**Type of Well:** OIL WELL

**Unit or CA Name:**

**Well Status:** Drilling Well

**County or Parish/State:** /

**Allottee or Tribe Name:**

**Unit or CA Number:**

**Operator:** SPUR ENERGY  
PARTNERS LLC

BLM Point of Contact

**BLM POC Name:** Jonathon W Shepard

**BLM POC Phone:** 5752345972

**Disposition:** Accepted

**Signature:** Jonathon Shepard

**BLM POC Title:** Petroleum Engineer

**BLM POC Email Address:** jshepard@blm.gov

**Disposition Date:** 11/09/2022

JG 16 State North Com 20H

Lea County, NM  
API# 30-025-50213

SPUD DATE: 6/9/2022  
ELEV: 4039' GR, 20' KB

CURRENT WBD

**13-3/8" 54.5# J-55 BTC Csg @ 950'**  
CMT W/ 650 SX LEAD (12.4 PPG, 1.78 CUFT/SK) & 445 SX TAIL (14.8 PPG, 1.33 CUFT/SK) CLASS C CEMENT  
CIRC 152 BBLS TO SURF, TOC @ SURF

**TUBING DETAIL**  
3-½" 9.3# J-55 EUE 8RD POLY-LINED TUBING  
ESP ASSEMBLY  
INTAKE @ 5,977'  
PIP SENSOR @ 6,027'  
EOT @ 6,034'

**9-5/8" 36# J-55 BTC Csg @ 4,054'**  
CMT W/ 880 SX LEAD (12 PPG, 2.39 CUFT/SK) & 195 SX TAIL (13.5 PPG, 1.73 CUFT/SK) CLASS C CEMENT  
CIRC 99 BBLS TO SURF, TOC @ SURF

**7" 32# L-80 BK-HT Csg @ 6,126'**  
**5-½" 20# L-80 BK-HT Csg @ 11,311'**  
CMT W/ 570 SX LEAD (11.4 PPG, 2.39 CUFT/SK) & 1435 SX TAIL (13.2 PPG, 1.4 CUFT/SK) CLASS C CEMENT  
CIRC 155 BBLS TO SURF, TOC @ SURF

CROSS OVER FROM 7" TO 5-½" CSG @ 6,126'

KOP @ 4,609'

TOP PERF @ 6,186'

**LOWER PADDOCK COMPLETION**  
PERF & FRAC IN 25 STAGES F/ 6,186'-11,244'  
3-1/8" GUNS, 0.42 EHD, 60 DEG, 6 CLUSTERS/STG, 4 SHOTS/CLUSTER, 600 TOTAL HOLES, 36,767 GALS 15% HCL, 292,765 BBLS FR WATER, 2,302,285# 100 MESH, 500,162# 20/40 PREMIUM WHITE, 2,278,668# 40/70 PERMIAN

BOTTOM PERF @ 11,244'

TD (MD) @ 11,311'  
TD (TVD) @ 5,729'  
PBTD @ 11,266' MD

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 186119

ACKNOWLEDGMENTS

|                                                                                 |                                                    |
|---------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                   |
|                                                                                 | Action Number:<br>186119                           |
|                                                                                 | 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. |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 186119

CONDITIONS

|                                                                                 |                                                    |
|---------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                   |
|                                                                                 | Action Number:<br>186119                           |
|                                                                                 | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| plmartinez | None      | 7/17/2025      |