

|                                                                                                                                                                                                                                                          |                                                                                                            |                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Santa Fe Main Office<br>Phone: (505) 476-3441 Fax: (55) 476-3462<br>General Information<br>Phone: (505) 629-6116<br><br>Online Phone Directory Visit:<br><a href="https://www.emnrd.nm.gov/ocd/contact-us/">https://www.emnrd.nm.gov/ocd/contact-us/</a> | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br><b>OIL CONSERVATION DIVISION</b> | <b>C-104</b><br>Revised July 9, 2024<br><br>Submit Electronically<br>Via OCD Permitting |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

**REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT****Section 1 - Operator and Well Information**

|                                                                                                                                                                                                                                                    |                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Submittal Type: <input type="checkbox"/> Test Allowable (C-104RT) <input type="checkbox"/> New Well (C-104NW) <input type="checkbox"/> Recomplete (C-104RC) <input type="checkbox"/> Pay Add (C-104RC) <input checked="" type="checkbox"/> Amended |                                  |
| Operator Name: <b>SPUR ENERGY PARTNERS LLC</b>                                                                                                                                                                                                     | OGRID: <b>328947</b>             |
| Property Name and Well Number: <b>HALBERD 27 STATE COM 50H</b>                                                                                                                                                                                     | Property Code: <b>326714</b>     |
| Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal                                                                                             | API Number: 30-0 <b>15-49358</b> |
| Pool Name: <b>ARTESIA; GLORIETA-YESO (O)</b>                                                                                                                                                                                                       | Pool Code: <b>96830</b>          |

**Section 2 – Surface Location**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude   | Longitude   | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|-------------|--------|
| E  | 26      | 17S      | 28E   |     | 2220' FNL    | 745' FWL     | 32.8068536 | -104.153001 | EDDY   |

**Section 3 – Completion Information**

| Producing Method | Ready Date | Perforations MD | Perforations TVD |
|------------------|------------|-----------------|------------------|
| PUMPING ON ESP   | 10/14/2022 | 4723'-9732'     | 4169'-4104'      |

**Section 4 – Action IDs for Submissions and Order Numbers**

| List Action IDs for Drilling Sundries                                                                                         | Was an Order required / needed (Y/N), if yes list Order number:                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C-104 RT Action ID (if C-104NW): <b>176699</b>                                                                                | Communitization Agreement <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No.                                                          |
| Surface Casing Action ID: <b>317194</b>                                                                                       | Unit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                                                              |
| Intermediate 1 Casing Action ID:                                                                                              | Compulsory Pooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. <b>R-22060</b>                                                 |
| Intermediate 2 Casing Action ID:                                                                                              | Down Hole Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                                             |
| Production Casing Action ID: <b>317194</b>                                                                                    | Surface Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. <b>CTB-1060</b>                                               |
| All casing was pressure tested in accordance with NMAC<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Non-standard Location: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Common ownership<br>Order No. <b>NSL-8253</b> |
| Liner 1 Action ID: <b>TUBING 325170</b>                                                                                       | Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                                            |
| Casing was installed prior to OCD's Action ID system (Y/N): <b>N</b>                                                          | Simultaneous Dedication: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                                           |

**Section 5 - Operator Signature and Certification**

|                                                                                                                                                                                                                                |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.                                                                            |            |
| <input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.                                                                        |            |
| <input checked="" type="checkbox"/> 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. |            |
| Name                                                                                                                                                                                                                           |            |
| SARAH CHAPMAN <i>Sarah Chapman</i>                                                                                                                                                                                             |            |
| Title                                                                                                                                                                                                                          | Date       |
| REGULATORY DIRECTOR                                                                                                                                                                                                            | 10/03/2024 |

|                                                      |                                                                                                     |                                                |                      |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------|--|
| C-102<br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br>OIL CONSERVATION DIVISION |                                                | Revised July 9, 2024 |  |
|                                                      | Submittal<br>Type:                                                                                  | <input type="checkbox"/> Initial Submittal     |                      |  |
|                                                      |                                                                                                     | <input type="checkbox"/> Amended Report        |                      |  |
|                                                      |                                                                                                     | <input checked="" type="checkbox"/> As Drilled |                      |  |

## WELL LOCATION INFORMATION

|                                                                                                                                                        |                                                   |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br><b>30-015-49358</b>                                                                                                                      | Pool Code<br><b>96830</b>                         | Pool Name<br><b>ARTESIA; GLORIETA-YESO</b>                                                                                                             |
| Property Code<br><b>326714</b>                                                                                                                         | Property Name<br><b>HALBERD 27 STATE COM</b>      | Well Number<br><b>50H</b>                                                                                                                              |
| OGRID No.<br><b>328947</b>                                                                                                                             | Operator Name<br><b>SPUR ENERGY PARTNERS LLC.</b> | Ground Level Elevation<br><b>3634'</b>                                                                                                                 |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                                   | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

## Surface Location

|                |                      |                        |                     |     |                                 |                                |                                 |                                   |                       |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|
| UL<br><b>E</b> | Section<br><b>26</b> | Township<br><b>17S</b> | Range<br><b>28E</b> | Lot | Ft. from N/S<br><b>2220 FNL</b> | Ft. from E/W<br><b>745 FWL</b> | Latitude<br><b>32.8068536°N</b> | Longitude<br><b>104.1530012°W</b> | County<br><b>EDDY</b> |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|

## Bottom Hole Location

|                |                      |                        |                     |     |                                 |                               |                                 |                                   |                       |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------|
| UL<br><b>E</b> | Section<br><b>27</b> | Township<br><b>17S</b> | Range<br><b>28E</b> | Lot | Ft. from N/S<br><b>1567 FNL</b> | Ft. from E/W<br><b>51 FWL</b> | Latitude<br><b>32.8084696°N</b> | Longitude<br><b>104.1722431°W</b> | County<br><b>EDDY</b> |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------|

|                                  |                                          |                                          |                                                                                                               |                                        |
|----------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Dedicated Acres<br><b>320</b>    | Infill or Defining Well<br><b>INFILL</b> | Defining Well API<br><b>30-015-49361</b> | Overlapping Spacing Unit (Y/N)<br><b>N</b>                                                                    | Consolidation Code<br><b>F &amp; C</b> |
| Order Numbers.<br><b>R-22060</b> |                                          |                                          | Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                        |

## Kick Off Point (KOP)

|    |         |          |       |     |              |              |          |           |        |
|----|---------|----------|-------|-----|--------------|--------------|----------|-----------|--------|
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|-----------|--------|

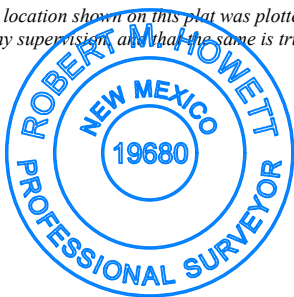
## First Take Point (FTP)

|                |                      |                        |                     |     |                                 |                                |                                 |                                   |                       |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|
| UL<br><b>H</b> | Section<br><b>27</b> | Township<br><b>17S</b> | Range<br><b>28E</b> | Lot | Ft. from N/S<br><b>1594 FNL</b> | Ft. from E/W<br><b>103 FEL</b> | Latitude<br><b>32.8084186°N</b> | Longitude<br><b>104.1557335°W</b> | County<br><b>EDDY</b> |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|

## Last Take Point (LTP)

|                |                      |                        |                     |     |                                 |                                |                                 |                                   |                       |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|
| UL<br><b>E</b> | Section<br><b>27</b> | Township<br><b>17S</b> | Range<br><b>28E</b> | Lot | Ft. from N/S<br><b>1566 FNL</b> | Ft. from E/W<br><b>118 FWL</b> | Latitude<br><b>32.8084712°N</b> | Longitude<br><b>104.1720252°N</b> | County<br><b>EDDY</b> |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|

|                                                       |                                                                                                    |                                         |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------|
| Unitized Area or Area of Uniform Interest<br><b>Y</b> | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation: <b>3634' GF</b> |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                      |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>OPERATOR CERTIFICATIONS</b><br><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><br><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i><br><br><b>Sarah Chapman</b> 10/09/2024 |  | <b>SURVEYOR CERTIFICATIONS</b><br><br><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i><br><br> |                                     |
| Signature<br><b>SARAH CHAPMAN</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Signature and Seal of Professional Surveyor<br><b>Robert M. Howett</b>                                                                                                                                                                                                                                                                               |                                     |
| Printed Name<br><b>SCHAPMAN@SPUREENERGY.COM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Certificate Number<br><b>19680</b>                                                                                                                                                                                                                                                                                                                   | Date of Survey<br><b>08/26/2022</b> |
| Email Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                      |                                     |

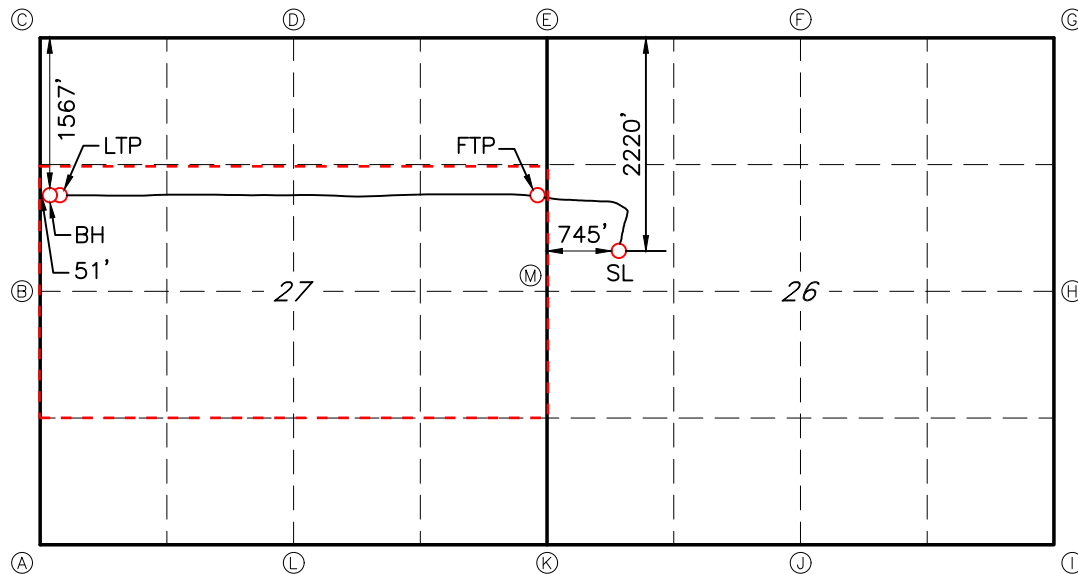
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

## ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

## HALBERD 27 STATE COM #50H



GEODETIC DATA  
NAD 83 GRID - NM EAST  
SURFACE LOCATION (SL)  
N: 657313.1 - E: 596743.3

LAT: 32.8068536° N  
LONG: 104.1530012° W

FIRST TAKE POINT (FTP)  
1594' FNL & 103' FEL SEC.27  
N: 657881.1 - E: 595902.8

LAT: 32.8084186° N  
LONG: 104.1557335° W  
MD: 4723.0 - TVD: 4168.9

LAST TAKE POINT (LTP)  
1566' FNL & 118' FWL SEC.27  
N: 657892.2 - E: 590897.4

LAT: 32.8084712° N  
LONG: 104.1720252° W  
MD: 9732.0 - TVD: 4104.4

BOTTOM HOLE (BH)  
N: 657891.5 - E: 590830.5

LAT: 32.8084696° N  
LONG: 104.1722431° W  
MD: 9799.0 - TVD: 4107.1

CORNER DATA  
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1941"  
N: 654235.0 - E: 590741.9

B: FOUND BRASS CAP "1941"  
N: 656846.0 - E: 590769.0

C: FOUND BRASS CAP "1941"  
N: 659457.7 - E: 590794.9

D: FOUND BRASS CAP "1941"  
N: 659466.8 - E: 593406.4

E: FOUND BRASS CAP "1941"  
N: 659475.1 - E: 596017.9

F: FOUND BRASS CAP "1941"  
N: 659675.9 - E: 598617.6

G: FOUND BRASS CAP "1941"  
N: 659870.2 - E: 601205.0

H: FOUND BRASS CAP "1941"  
N: 657214.4 - E: 601209.0

I: FOUND BRASS CAP "1941"  
N: 654552.6 - E: 601197.1

J: FOUND BRASS CAP "1941"  
N: 654424.1 - E: 598586.6

K: FOUND BRASS CAP "1941"  
N: 654298.0 - E: 595977.3

L: FOUND BRASS CAP "1941"  
N: 654266.7 - E: 593360.1

M: FOUND BRASS CAP "1941"  
N: 656886.5 - E: 595997.7

JOB #: LS21121320AC



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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **06/11/22** thru **06/16/22** conduct or supervise the taking of a **MWD Survey** from a depth of **148'** to a depth of **9799'**; 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 **Halberd 27 State Com 50H** API No. **30-015-49358** 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  
PH 936-756-3225 FAX 936-756-3248*



# Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

HALBERD 27 STATE COM

50H

Wellbore #1

Design: Wellbore #1

## Standard Survey Report

17 June, 2022





## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Site:</b>     | HALBERD 27 STATE COM           | <b>MD Reference:</b>                | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Well:</b>     | 50H                            | <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        |                      |                |

|                              |                      |                          |                 |
|------------------------------|----------------------|--------------------------|-----------------|
| <b>Site</b>                  | HALBERD 27 STATE COM |                          |                 |
| <b>Site Position:</b>        |                      | <b>Northing:</b>         | 658,818.90 usft |
| <b>From:</b>                 | Map                  | <b>Easting:</b>          | 596,124.80 usft |
| <b>Position Uncertainty:</b> | 0.00 usft            | <b>Slot Radius:</b>      | 13.200 in       |
|                              |                      | <b>Latitude:</b>         | 32.8109953      |
|                              |                      | <b>Longitude:</b>        | -104.1550059    |
|                              |                      | <b>Grid Convergence:</b> | 0.097 °         |

|                             |              |                            |                                  |
|-----------------------------|--------------|----------------------------|----------------------------------|
| <b>Well</b>                 | 50H          |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.00 usft                  | <b>Northing:</b> 657,313.10 usft |
|                             | <b>+E/-W</b> | 0.00 usft                  | <b>Easting:</b> 596,743.30 usft  |
| <b>Position Uncertainty</b> | 0.00 usft    | <b>Wellhead Elevation:</b> | usft                             |
|                             |              | <b>Latitude:</b>           | 32.8068536                       |
|                             |              | <b>Longitude:</b>          | -104.1530011                     |
|                             |              | <b>Ground Level:</b>       | 3,634.00 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          | 02/15/22           | 6.783                  | 60.321               | 47,706.20089932            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <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                | 269.65               |      |

|                       |                  |                          |                   |                                         |  |
|-----------------------|------------------|--------------------------|-------------------|-----------------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 06/17/22                 |                   |                                         |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>  | <b>Description</b>                      |  |
| 148.00                | 1,217.00         | SPUDDER (Wellbore #1)    | MWD+IGRF          | OWSG MWD + IGRF or WMM                  |  |
| 1,385.00              | 9,799.00         | 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 50H: 2220' FNL, 745' FWL</b> |                        |                    |                              |                     |                     |                                |                              |                             |                            |
| 148.00                                 | 0.40                   | 98.98              | 148.00                       | -0.08               | 0.51                | -0.51                          | 0.27                         | 0.27                        | 0.00                       |
| 236.00                                 | 0.31                   | 85.88              | 236.00                       | -0.11               | 1.05                | -1.05                          | 0.14                         | -0.10                       | -14.89                     |
| 387.00                                 | 1.49                   | 20.49              | 386.98                       | 1.76                | 2.15                | -2.16                          | 0.92                         | 0.78                        | -43.30                     |
| 478.00                                 | 3.91                   | 16.97              | 477.87                       | 5.83                | 3.47                | -3.50                          | 2.66                         | 2.66                        | -3.87                      |
| 567.00                                 | 5.10                   | 10.47              | 566.59                       | 12.63               | 5.07                | -5.15                          | 1.45                         | 1.34                        | -7.30                      |
| 657.00                                 | 6.90                   | 9.50               | 656.10                       | 21.89               | 6.69                | -6.82                          | 2.00                         | 2.00                        | -1.08                      |
| 747.00                                 | 8.88                   | 10.82              | 745.24                       | 34.05               | 8.89                | -9.09                          | 2.21                         | 2.20                        | 1.47                       |
| 837.00                                 | 9.19                   | 12.40              | 834.12                       | 47.89               | 11.73               | -12.03                         | 0.44                         | 0.34                        | 1.76                       |



## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Site:</b>     | HALBERD 27 STATE COM           | <b>MD Reference:</b>                | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Well:</b>     | 50H                            | <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) |  |
| 927.00                            | 9.19            | 11.35       | 922.97                | 61.96        | 14.69        | -15.07                  | 0.19                  | 0.00                 | -1.17               |  |
| 1,016.00                          | 9.01            | 12.40       | 1,010.85              | 75.73        | 17.59        | -18.05                  | 0.28                  | -0.20                | 1.18                |  |
| 1,107.00                          | 9.01            | 14.78       | 1,100.73              | 89.58        | 20.93        | -21.48                  | 0.41                  | 0.00                 | 2.62                |  |
| 1,217.00                          | 8.88            | 15.48       | 1,209.39              | 106.09       | 25.40        | -26.05                  | 0.15                  | -0.12                | 0.64                |  |
| 1,385.00                          | 7.87            | 11.17       | 1,375.60              | 129.87       | 31.09        | -31.88                  | 0.71                  | -0.60                | -2.57               |  |
| 1,510.00                          | 7.67            | 8.95        | 1,499.45              | 146.51       | 34.04        | -34.94                  | 0.29                  | -0.16                | -1.78               |  |
| 1,637.00                          | 8.35            | 7.25        | 1,625.21              | 164.03       | 36.52        | -37.53                  | 0.57                  | 0.54                 | -1.34               |  |
| 1,761.00                          | 9.51            | 13.45       | 1,747.71              | 182.92       | 40.04        | -41.16                  | 1.21                  | 0.94                 | 5.00                |  |
| 1,887.00                          | 8.65            | 12.34       | 1,872.13              | 202.30       | 44.49        | -45.72                  | 0.70                  | -0.68                | -0.88               |  |
| 2,014.00                          | 10.86           | 12.24       | 1,997.28              | 223.33       | 49.07        | -50.43                  | 1.74                  | 1.74                 | -0.08               |  |
| 2,140.00                          | 10.12           | 11.50       | 2,121.18              | 245.78       | 53.79        | -55.29                  | 0.60                  | -0.59                | -0.59               |  |
| 2,266.00                          | 9.62            | 10.21       | 2,245.31              | 266.98       | 57.86        | -59.49                  | 0.43                  | -0.40                | -1.02               |  |
| 2,392.00                          | 11.57           | 18.05       | 2,369.16              | 289.36       | 63.65        | -65.41                  | 1.92                  | 1.55                 | 6.22                |  |
| 2,519.00                          | 11.23           | 17.13       | 2,493.66              | 313.29       | 71.24        | -73.15                  | 0.30                  | -0.27                | -0.72               |  |
| 2,645.00                          | 10.86           | 17.39       | 2,617.32              | 336.34       | 78.40        | -80.45                  | 0.30                  | -0.29                | 0.21                |  |
| 2,770.00                          | 8.18            | 16.22       | 2,740.59              | 356.12       | 84.40        | -86.58                  | 2.15                  | -2.14                | -0.94               |  |
| 2,896.00                          | 8.06            | 14.86       | 2,865.33              | 373.27       | 89.17        | -91.45                  | 0.18                  | -0.10                | -1.08               |  |
| 3,050.00                          | 7.35            | 13.39       | 3,017.94              | 393.28       | 94.22        | -96.62                  | 0.48                  | -0.46                | -0.95               |  |
| 3,175.00                          | 7.13            | 9.08        | 3,141.94              | 408.72       | 97.30        | -99.79                  | 0.47                  | -0.18                | -3.45               |  |
| 3,182.88                          | 7.13            | 5.77        | 3,149.76              | 409.69       | 97.42        | -99.92                  | 5.21                  | 0.00                 | -42.01              |  |
| <b>2. KOP 50H @ 3182.47' MD</b>   |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 3,238.00                          | 7.76            | 343.98      | 3,204.43              | 416.67       | 96.74        | -99.28                  | 5.21                  | 1.14                 | -39.53              |  |
| 3,299.00                          | 11.05           | 319.94      | 3,264.62              | 425.11       | 91.84        | -94.43                  | 8.29                  | 5.39                 | -39.41              |  |
| 3,363.00                          | 14.68           | 311.15      | 3,327.01              | 435.15       | 81.78        | -84.44                  | 6.43                  | 5.67                 | -13.73              |  |
| 3,424.00                          | 17.95           | 307.34      | 3,385.55              | 445.94       | 68.48        | -71.20                  | 5.64                  | 5.36                 | -6.25               |  |
| 3,487.00                          | 22.19           | 302.73      | 3,444.71              | 458.27       | 50.75        | -53.55                  | 7.18                  | 6.73                 | -7.32               |  |
| 3,549.00                          | 23.30           | 300.84      | 3,501.89              | 470.88       | 30.37        | -33.24                  | 2.14                  | 1.79                 | -3.05               |  |
| 3,617.00                          | 25.55           | 298.14      | 3,563.80              | 484.69       | 5.89         | -8.85                   | 3.69                  | 3.31                 | -3.97               |  |
| 3,674.00                          | 28.23           | 294.08      | 3,614.64              | 496.00       | -17.27       | 14.24                   | 5.70                  | 4.70                 | -7.12               |  |
| 3,737.00                          | 30.14           | 286.20      | 3,669.66              | 506.49       | -46.07       | 42.98                   | 6.81                  | 3.03                 | -12.51              |  |
| 3,800.00                          | 31.75           | 277.73      | 3,723.72              | 513.14       | -77.70       | 74.57                   | 7.36                  | 2.56                 | -13.44              |  |
| 3,863.00                          | 34.11           | 271.88      | 3,776.60              | 515.95       | -111.80      | 108.64                  | 6.28                  | 3.75                 | -9.29               |  |
| 3,926.00                          | 38.26           | 271.44      | 3,827.44              | 517.02       | -148.97      | 145.81                  | 6.60                  | 6.59                 | -0.70               |  |
| 3,987.00                          | 42.86           | 272.14      | 3,873.77              | 518.27       | -188.60      | 185.43                  | 7.58                  | 7.54                 | 1.15                |  |
| 4,050.00                          | 47.19           | 272.52      | 3,918.29              | 520.09       | -233.12      | 229.94                  | 6.89                  | 6.87                 | 0.60                |  |
| 4,112.00                          | 52.38           | 272.54      | 3,958.31              | 522.17       | -280.40      | 277.21                  | 8.37                  | 8.37                 | 0.03                |  |
| 4,175.00                          | 58.67           | 272.62      | 3,993.95              | 524.51       | -332.26      | 329.05                  | 9.98                  | 9.98                 | 0.13                |  |
| 4,238.00                          | 62.98           | 272.82      | 4,024.65              | 527.12       | -387.19      | 383.97                  | 6.85                  | 6.84                 | 0.32                |  |
| <b>START TANGENT: 4238.00' MD</b> |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 4,269.00                          | 62.81           | 272.75      | 4,038.78              | 528.47       | -414.76      | 411.52                  | 0.58                  | -0.55                | -0.23               |  |
| 4,301.00                          | 62.75           | 272.58      | 4,053.42              | 529.79       | -443.18      | 439.94                  | 0.51                  | -0.19                | -0.53               |  |
| 4,332.00                          | 62.47           | 272.56      | 4,067.68              | 531.02       | -470.68      | 467.43                  | 0.91                  | -0.90                | -0.06               |  |
| 4,364.00                          | 62.49           | 272.79      | 4,082.46              | 532.35       | -499.03      | 495.76                  | 0.64                  | 0.06                 | 0.72                |  |



## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Site:</b>     | HALBERD 27 STATE COM           | <b>MD Reference:</b>                | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Well:</b>     | 50H                            | <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) |  |
| 4,395.00                                                                     | 62.70           | 272.65      | 4,096.73              | 533.65       | -526.52      | 523.25                  | 0.79                  | 0.68                 | -0.45               |  |
| <b>END TANGENT: 4395.00' MD</b>                                              |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 4,427.00                                                                     | 64.86           | 272.61      | 4,110.87              | 534.97       | -555.19      | 551.91                  | 6.75                  | 6.75                 | -0.12               |  |
| 4,491.00                                                                     | 70.50           | 274.03      | 4,135.17              | 538.41       | -614.27      | 610.97                  | 9.05                  | 8.81                 | 2.22                |  |
| 4,553.00                                                                     | 76.53           | 277.69      | 4,152.76              | 544.51       | -673.37      | 670.03                  | 11.25                 | 9.73                 | 5.90                |  |
| 4,616.00                                                                     | 83.02           | 277.91      | 4,163.93              | 552.92       | -734.76      | 731.37                  | 10.31                 | 10.30                | 0.35                |  |
| 4,679.00                                                                     | 88.14           | 279.09      | 4,168.79              | 562.20       | -796.86      | 793.41                  | 8.34                  | 8.13                 | 1.87                |  |
| 4,720.39                                                                     | 90.46           | 277.07      | 4,169.29              | 568.02       | -837.83      | 834.34                  | 7.43                  | 5.61                 | -4.87               |  |
| <b>FINAL FTP: 4720.39' MD/ 4169.29' TVD - FINAL FTP: 1594' FNL, 100' FEL</b> |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 4,722.32                                                                     | 90.57           | 276.98      | 4,169.28              | 568.25       | -839.74      | 836.26                  | 7.43                  | 5.61                 | -4.87               |  |
| <b>3. FTP 50H: 1575' FNL, 100' FEL</b>                                       |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 4,743.00                                                                     | 91.73           | 275.97      | 4,168.86              | 570.59       | -860.29      | 856.79                  | 7.43                  | 5.61                 | -4.88               |  |
| 4,868.00                                                                     | 91.11           | 275.15      | 4,165.76              | 582.69       | -984.66      | 981.09                  | 0.82                  | -0.50                | -0.66               |  |
| 4,995.00                                                                     | 89.46           | 270.63      | 4,165.13              | 589.09       | -1,111.46    | 1,107.84                | 3.79                  | -1.30                | -3.56               |  |
| 5,120.00                                                                     | 88.98           | 269.79      | 4,166.83              | 589.55       | -1,236.45    | 1,232.83                | 0.77                  | -0.38                | -0.67               |  |
| 5,246.00                                                                     | 88.51           | 269.63      | 4,169.59              | 588.91       | -1,362.42    | 1,358.79                | 0.39                  | -0.37                | -0.13               |  |
| 5,371.00                                                                     | 91.44           | 270.81      | 4,169.65              | 589.39       | -1,487.40    | 1,483.77                | 2.53                  | 2.34                 | 0.94                |  |
| 5,497.00                                                                     | 90.88           | 270.44      | 4,167.10              | 590.77       | -1,613.37    | 1,609.73                | 0.53                  | -0.44                | -0.29               |  |
| 5,624.00                                                                     | 90.09           | 269.96      | 4,166.02              | 591.21       | -1,740.36    | 1,736.72                | 0.73                  | -0.62                | -0.38               |  |
| 5,749.00                                                                     | 92.73           | 269.49      | 4,162.95              | 590.61       | -1,865.31    | 1,861.67                | 2.15                  | 2.11                 | -0.38               |  |
| 5,876.00                                                                     | 92.45           | 268.98      | 4,157.21              | 588.92       | -1,992.17    | 1,988.53                | 0.46                  | -0.22                | -0.40               |  |
| 5,999.00                                                                     | 91.66           | 268.84      | 4,152.80              | 586.58       | -2,115.07    | 2,111.44                | 0.65                  | -0.64                | -0.11               |  |
| 6,120.00                                                                     | 90.65           | 268.42      | 4,150.36              | 583.69       | -2,236.00    | 2,232.40                | 0.90                  | -0.83                | -0.35               |  |
| 6,241.00                                                                     | 90.20           | 268.07      | 4,149.46              | 579.98       | -2,356.94    | 2,353.36                | 0.47                  | -0.37                | -0.29               |  |
| 6,361.00                                                                     | 88.92           | 267.40      | 4,150.38              | 575.24       | -2,476.84    | 2,473.28                | 1.20                  | -1.07                | -0.56               |  |
| 6,480.00                                                                     | 90.63           | 268.55      | 4,150.85              | 571.04       | -2,595.76    | 2,592.23                | 1.73                  | 1.44                 | 0.97                |  |
| 6,598.00                                                                     | 90.46           | 269.17      | 4,149.73              | 568.69       | -2,713.73    | 2,710.21                | 0.54                  | -0.14                | 0.53                |  |
| 6,718.00                                                                     | 91.07           | 273.11      | 4,148.12              | 571.07       | -2,833.67    | 2,830.13                | 3.32                  | 0.51                 | 3.28                |  |
| 6,837.00                                                                     | 89.87           | 272.50      | 4,147.15              | 576.90       | -2,952.52    | 2,948.95                | 1.13                  | -1.01                | -0.51               |  |
| 6,956.00                                                                     | 90.93           | 271.16      | 4,146.32              | 580.70       | -3,071.46    | 3,067.85                | 1.44                  | 0.89                 | -1.13               |  |
| 7,076.00                                                                     | 93.29           | 270.54      | 4,141.90              | 582.48       | -3,191.35    | 3,187.74                | 2.03                  | 1.97                 | -0.52               |  |
| 7,199.00                                                                     | 92.31           | 269.80      | 4,135.89              | 582.84       | -3,314.20    | 3,310.58                | 1.00                  | -0.80                | -0.60               |  |
| 7,323.00                                                                     | 90.99           | 269.02      | 4,132.32              | 581.56       | -3,438.14    | 3,434.53                | 1.24                  | -1.06                | -0.63               |  |
| 7,450.00                                                                     | 90.43           | 270.71      | 4,130.75              | 581.27       | -3,565.13    | 3,561.51                | 1.40                  | -0.44                | 1.33                |  |
| 7,575.00                                                                     | 89.53           | 270.13      | 4,130.79              | 582.18       | -3,690.12    | 3,686.50                | 0.86                  | -0.72                | -0.46               |  |
| 7,701.00                                                                     | 88.21           | 269.56      | 4,133.27              | 581.84       | -3,816.09    | 3,812.47                | 1.14                  | -1.05                | -0.45               |  |
| 7,825.00                                                                     | 92.11           | 270.80      | 4,132.93              | 582.23       | -3,940.07    | 3,936.44                | 3.30                  | 3.15                 | 1.00                |  |
| 7,952.00                                                                     | 91.94           | 271.30      | 4,128.44              | 584.56       | -4,066.96    | 4,063.32                | 0.42                  | -0.13                | 0.39                |  |
| 8,077.00                                                                     | 91.58           | 271.19      | 4,124.60              | 587.27       | -4,191.88    | 4,188.21                | 0.30                  | -0.29                | -0.09               |  |
| 8,201.00                                                                     | 91.47           | 269.21      | 4,121.30              | 587.70       | -4,315.82    | 4,312.15                | 1.60                  | -0.09                | -1.60               |  |
| 8,328.00                                                                     | 91.83           | 269.78      | 4,117.64              | 586.58       | -4,442.77    | 4,439.10                | 0.53                  | 0.28                 | 0.45                |  |
| 8,453.00                                                                     | 91.21           | 270.03      | 4,114.33              | 586.38       | -4,567.72    | 4,564.05                | 0.53                  | -0.50                | 0.20                |  |
| 8,579.00                                                                     | 90.60           | 269.91      | 4,112.34              | 586.31       | -4,693.71    | 4,690.04                | 0.49                  | -0.48                | -0.10               |  |
| 8,705.00                                                                     | 88.64           | 268.14      | 4,113.17              | 584.17       | -4,819.67    | 4,816.01                | 2.10                  | -1.56                | -1.40               |  |



## Survey Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Site:</b>     | HALBERD 27 STATE COM           | <b>MD Reference:</b>                | RKB = 20' @ 3654.00usft (AKITA 57) |
| <b>Well:</b>     | 50H                            | <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) |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| 8,830.00                                                                                                                         | 88.44           | 266.79      | 4,116.36              | 578.64       | -4,944.51    | 4,940.88                | 1.09                  | -0.16                | -1.08               |
| 8,956.00                                                                                                                         | 93.71           | 270.38      | 4,113.99              | 575.53       | -5,070.38    | 5,066.77                | 5.06                  | 4.18                 | 2.85                |
| 9,080.00                                                                                                                         | 93.38           | 270.22      | 4,106.33              | 576.18       | -5,194.14    | 5,190.53                | 0.30                  | -0.27                | -0.13               |
| 9,208.00                                                                                                                         | 91.33           | 270.84      | 4,101.07              | 577.36       | -5,322.02    | 5,318.40                | 1.67                  | -1.60                | 0.48                |
| 9,332.00                                                                                                                         | 90.65           | 270.54      | 4,098.93              | 578.85       | -5,445.99    | 5,442.36                | 0.60                  | -0.55                | -0.24               |
| 9,457.00                                                                                                                         | 89.95           | 270.19      | 4,098.27              | 579.65       | -5,570.99    | 5,567.34                | 0.63                  | -0.56                | -0.28               |
| 9,582.00                                                                                                                         | 88.55           | 269.95      | 4,099.91              | 579.80       | -5,695.97    | 5,692.33                | 1.14                  | -1.12                | -0.19               |
| 9,707.00                                                                                                                         | 88.05           | 269.60      | 4,103.62              | 579.31       | -5,820.92    | 5,817.27                | 0.49                  | -0.40                | -0.28               |
| 9,729.00                                                                                                                         | 87.82           | 269.40      | 4,104.41              | 579.12       | -5,842.90    | 5,839.26                | 1.39                  | -1.05                | -0.91               |
| 9,750.03                                                                                                                         | 87.82           | 269.40      | 4,105.21              | 578.90       | -5,863.92    | 5,860.27                | 0.00                  | 0.00                 | 0.00                |
| <b>FINAL LTP: 9750.03' MD/ 4105.21' TVD - 4. LTP 50H: 1575' FNL, 100' FWL - FINAL LTP: 1566' FNL, 100' FWL</b>                   |                 |             |                       |              |              |                         |                       |                      |                     |
| 9,799.00                                                                                                                         | 87.82           | 269.40      | 4,107.07              | 578.39       | -5,912.85    | 5,909.20                | 0.00                  | 0.00                 | 0.00                |
| <b>Projection to Bit: 9799.00' MD/ 4107.07' TVD - Final Station Closure Distance= 5941.07 /Direction= 275.59 - 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    |
|--------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------|--------------|
| - hit/miss target                    |               |              |            |              |              |                 |                |            |              |
| - Shape                              |               |              |            |              |              |                 |                |            |              |
| FINAL LTP: 1566' FNL                 | 0.00          | 0.00         | 4,105.21   | 578.90       | -5,863.92    | 657,892.00      | 590,879.38     | 32.8084708 | -104.1720838 |
| - actual wellpath hits target center |               |              |            |              |              |                 |                |            |              |
| - Point                              |               |              |            |              |              |                 |                |            |              |
| FINAL BIT PROJ/TD:                   | 0.00          | 0.00         | 4,107.07   | 578.39       | -5,912.85    | 657,891.49      | 590,830.46     | 32.8084696 | -104.1722431 |
| - actual wellpath hits target center |               |              |            |              |              |                 |                |            |              |
| - Point                              |               |              |            |              |              |                 |                |            |              |
| FINAL FTP: 1594' FNL                 | 0.00          | 0.00         | 4,169.29   | 568.02       | -837.83      | 657,881.12      | 595,905.47     | 32.8084187 | -104.1557249 |
| - actual wellpath hits target center |               |              |            |              |              |                 |                |            |              |
| - Point                              |               |              |            |              |              |                 |                |            |              |

## Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                                    |
|-----------------------|-----------------------|-------------------|--------------|------------------------------------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                                            |
| 4,238.00              | 4,024.65              | 527.12            | -387.19      | START TANGENT: 4238.00' MD                                 |
| 4,395.00              | 4,096.73              | 533.65            | -526.52      | END TANGENT: 4395.00' MD                                   |
| 4,720.39              | 4,169.29              | 568.02            | -837.83      | FINAL FTP: 4720.39' MD/ 4169.29' TVD                       |
| 9,750.03              | 4,105.21              | 578.90            | -5,863.92    | FINAL LTP: 9750.03' MD/ 4105.21' TVD                       |
| 9,799.00              | 4,107.07              | 578.39            | -5,912.85    | Projection to Bit: 9799.00' MD/ 4107.07' TVD               |
| 9,799.00              | 4,107.07              | 578.39            | -5,912.85    | Final Station Closure Distance= 5941.07 /Direction= 275.59 |
| 9,799.00              | 4,107.07              | 578.39            | -5,912.85    | TD: Latitude= 32.8084696 / Longitude= -104.1722431         |
| 9,799.00              | 4,107.07              | 578.39            | -5,912.85    | TD: Y= 657891.49 / X= 590830.45                            |

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

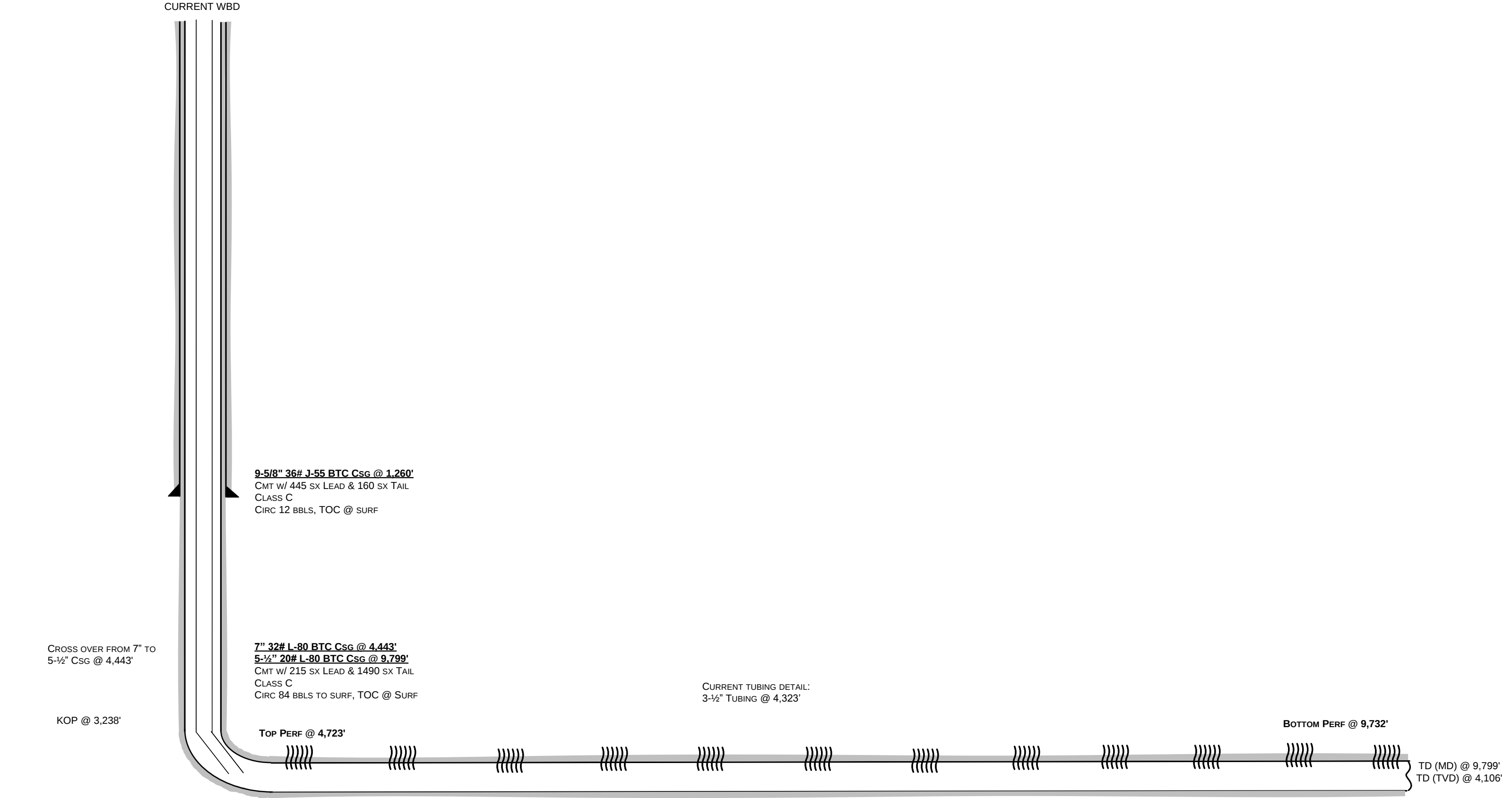




| South Formations    |       |       |       | North Formations   |    |     |       |
|---------------------|-------|-------|-------|--------------------|----|-----|-------|
| Formation/Zone      | MD    | TVD   | W/O/G | Formation/Zone     | MD | TVD | W/O/G |
| T. Anhy             |       |       |       | T. San Jose        |    |     |       |
| T. Salt             |       |       |       | T. Nacimiento      |    |     |       |
| B. Salt             |       |       |       | T. Ojo Alamo       |    |     |       |
| T. Yates            | 515'  | 515'  | N/A   | T. Kirtland        |    |     |       |
| T. 7 Rivers         | 780'  | 780'  | O/G   | T. Fruitland       |    |     |       |
| T. Queen            | 1350' | 1350' | O/G   | T. Pictured Cliffs |    |     |       |
| T. Grayburg         | 1750' | 1747' | O/G   | T. Lewis Shale     |    |     |       |
| T. San Andres       | 2045' | 1997' | O/G   | T. Chacra          |    |     |       |
| T. Glorieta         | 3475' | 3444' | O/G   | T. Cliff House     |    |     |       |
| T. Yeso             | 3565' | 3614' | O/G   | T. Menefee         |    |     |       |
| T. Paddock          |       |       |       | T. Point Lookout   |    |     |       |
| T. Blinebry         |       |       |       | T. Mancos          |    |     |       |
| T.Tubb              |       |       |       | T. Gallup          |    |     |       |
| T. Drinkard         |       |       |       | T. Greenhorn       |    |     |       |
| T. Abo              |       |       |       | T. Graneros        |    |     |       |
| T. Wolfcamp         |       |       |       | T. Dakota          |    |     |       |
| T. Penn             |       |       |       | T. Morrison        |    |     |       |
| T. Cisco            |       |       |       | T. Bluff           |    |     |       |
| T. Canyon           |       |       |       | T.Todilto          |    |     |       |
| T. Strawn           |       |       |       | T. Entrada         |    |     |       |
| T. Atoka            |       |       |       | T. Wingate         |    |     |       |
| T. Morrow           |       |       |       | T. Chinle          |    |     |       |
| T. Barnett Shale    |       |       |       | T. Permian         |    |     |       |
| T. Miss             |       |       |       | T. Penn A"         |    |     |       |
| T. Woodford Shale   |       |       |       | T. Penn. "B"       |    |     |       |
| T. Devonian         |       |       |       | T. Penn. "C"       |    |     |       |
| T. Silurian         |       |       |       | T. Penn. "D"       |    |     |       |
| T. Fusselman        |       |       |       | T. Leadville       |    |     |       |
| T. Montoya          |       |       |       | T. Madison         |    |     |       |
| T. Simpson          |       |       |       | T. Elbert          |    |     |       |
| T. McKee            |       |       |       | T. McCracken       |    |     |       |
| T. Waddell          |       |       |       | T. Ignacio Otzte   |    |     |       |
| T. Connel           |       |       |       | T. Granite         |    |     |       |
| T. Ellenburger      |       |       |       | T. Hermosa         |    |     |       |
| T. Gr. Wash         |       |       |       | T. De Chelly       |    |     |       |
| T. Delaware Sand    |       |       |       | T. Pinkerton       |    |     |       |
| T. Lamar Lime       |       |       |       |                    |    |     |       |
| T. Bell Canyon      |       |       |       |                    |    |     |       |
| T. Cherry Canyon    |       |       |       |                    |    |     |       |
| T. Brushy Canyon    |       |       |       |                    |    |     |       |
| T. Bone Springs     |       |       |       |                    |    |     |       |
| T. 1st BS Sand      |       |       |       |                    |    |     |       |
| T. 2nd BS Carbonate |       |       |       |                    |    |     |       |
| T. 2nd BS Sand      |       |       |       |                    |    |     |       |
| T. 3rd BS Carbonate |       |       |       |                    |    |     |       |
| T. 3rd BS Sand      |       |       |       |                    |    |     |       |

Eddy County, NM  
API# 30-015-49358

SPUD DATE: 5/13/2022  
ELEV: 3634' GL, 20.5' KB



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

ACKNOWLEDGMENTS

Action 391363

ACKNOWLEDGMENTS

|                                                                                 |                                                                |
|---------------------------------------------------------------------------------|----------------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                               |
|                                                                                 | Action Number:<br>391363                                       |
|                                                                                 | Action Type:<br>[C-104] Completion Packet - New Well (C-104NW) |

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.                                                                         |
| <input checked="" type="checkbox"/> | 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. |

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CONDITIONS

Action 391363

CONDITIONS

|                                                                                 |                                                                |
|---------------------------------------------------------------------------------|----------------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                               |
|                                                                                 | Action Number:<br>391363                                       |
|                                                                                 | Action Type:<br>[C-104] Completion Packet - New Well (C-104NW) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| plmartinez | None      | 7/16/2025      |