

**District I**

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

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101  
August 1, 2011

Permit 324021

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                    |                                          |                               |
|----------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 |                                          | 2. OGRID Number<br>328947     |
|                                                                                                    |                                          | 3. API Number<br>30-015-49904 |
| 4. Property Code<br>333211                                                                         | 5. Property Name<br>BLALOCK 32 STATE COM | 6. Well No.<br>050H           |

**7. Surface Location**

|               |               |                 |              |         |                   |               |                   |               |                |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>H | Section<br>31 | Township<br>17S | Range<br>28E | Lot Idn | Feet From<br>1864 | N/S Line<br>N | Feet From<br>1085 | E/W Line<br>E | County<br>Eddy |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|----------------|

**8. Proposed Bottom Hole Location**

|               |               |                 |              |              |                   |               |                 |               |                |
|---------------|---------------|-----------------|--------------|--------------|-------------------|---------------|-----------------|---------------|----------------|
| UL - Lot<br>H | Section<br>32 | Township<br>17S | Range<br>28E | Lot Idn<br>H | Feet From<br>2200 | N/S Line<br>N | Feet From<br>50 | E/W Line<br>E | County<br>Eddy |
|---------------|---------------|-----------------|--------------|--------------|-------------------|---------------|-----------------|---------------|----------------|

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| ARTESIA; GLORIETA-YESO (O) | 96830 |
|----------------------------|-------|

**Additional Well Information**

|                           |                            |                                        |                         |                                    |
|---------------------------|----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL       | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3701 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>9747 | 18. Formation<br>Blinberry             | 19. Contractor          | 20. Spud Date<br>9/27/2022         |
| Depth to Ground water     |                            | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 12.25     | 9.625       | 36               | 1075          | 311             | 0             |
| Prod | 8.75      | 7           | 32               | 4450          | 1567            | 0             |
| Prod | 8.75      | 5.5         | 20               | 9747          | 0               | 1567          |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 5                | 5000          | Shaffer      |

|                                                                                                                                                                                                                                                                                                    |                                  |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. | <b>OIL CONSERVATION DIVISION</b> |                                 |
| Signature:                                                                                                                                                                                                                                                                                         |                                  |                                 |
| Printed Name: Electronically filed by Sarah Chapman                                                                                                                                                                                                                                                | Approved By: Katherine Pickford  |                                 |
| Title: Regulatory Director                                                                                                                                                                                                                                                                         | Title: Geoscientist              |                                 |
| Email Address: schapman@spurenergy.com                                                                                                                                                                                                                                                             | Approved Date: 8/26/2022         | Expiration Date: 8/26/2024      |
| Date: 8/24/2022                                                                                                                                                                                                                                                                                    | Phone: 832-930-8613              | Conditions of Approval Attached |

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                              |                      |                                                                |                     |                                                         |                              |                                  |                              |                                        |                       |
|--------------------------------------------------------------|----------------------|----------------------------------------------------------------|---------------------|---------------------------------------------------------|------------------------------|----------------------------------|------------------------------|----------------------------------------|-----------------------|
| <sup>1</sup> API Number<br><b>30-015-49904</b>               |                      | <sup>2</sup> Pool Code<br><b>96830</b>                         |                     | <sup>3</sup> Pool Name<br><b>ARTESIA, GLORIETA-YESO</b> |                              |                                  |                              |                                        |                       |
| <sup>4</sup> Property Code<br><b>333211</b>                  |                      | <sup>5</sup> Property Name<br><b>BLALOCK 32 STATE COM</b>      |                     |                                                         |                              |                                  |                              | <sup>6</sup> Well Number<br><b>50H</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>3701'</b> |                       |
| <sup>10</sup> Surface Location                               |                      |                                                                |                     |                                                         |                              |                                  |                              |                                        |                       |
| UL or lot no.<br><b>H</b>                                    | Section<br><b>31</b> | Township<br><b>17S</b>                                         | Range<br><b>28E</b> | Lot Idn                                                 | Feet from the<br><b>1864</b> | North/South line<br><b>NORTH</b> | Feet From the<br><b>1085</b> | East/West line<br><b>EAST</b>          | County<br><b>EDDY</b> |
| <sup>11</sup> Bottom Hole Location If Different From Surface |                      |                                                                |                     |                                                         |                              |                                  |                              |                                        |                       |
| UL or lot no.<br><b>H</b>                                    | Section<br><b>32</b> | Township<br><b>17S</b>                                         | Range<br><b>28E</b> | Lot Idn                                                 | Feet from the<br><b>2200</b> | North/South line<br><b>NORTH</b> | Feet from the<br><b>50</b>   | East/West line<br><b>EAST</b>          | County<br><b>EDDY</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> <b>GEODETIC DATA</b><br>NAD 83 GRID — NM EAST<br><br><b>SURFACE LOCATION (SL)</b><br>N: 652146.6 — E: 579276.5<br>LAT: 32.7927216° N<br>LONG: 104.2098707° W<br><br><b>FIRST TAKE POINT (FTP)</b><br>2200' FNL & 100' FWL — SEC 32<br>N: 651819.8 — E: 580466.1<br>LAT: 32.7918194° N<br>LONG: 104.2060008° W<br><br><b>LAST TAKE POINT (LTP)</b><br>2200' FNL & 100' FFL — SEC 32<br>N: 651903.1 — E: 585473.4<br>LAT: 32.7920308° N<br>LONG: 104.1897058° W<br><br><b>BOTTOM HOLE (BH)</b><br>N: 651903.9 — E: 585523.3<br>LAT: 32.7920328° N<br>LONG: 104.1895432° W                                                                                                                       |  | <b>CORNER DATA</b><br>NAD 83 GRID — NM EAST<br><br>A: FOUND BRASS CAP "1941"<br>N: 648700.0 — E: 575089.7<br><br>B: FOUND BRASS CAP "1941"<br>N: 651341.8 — E: 575074.4<br><br>C: FOUND BRASS CAP "1941"<br>N: 653983.4 — E: 575058.5<br><br>D: FOUND BRASS CAP "1941"<br>N: 653999.6 — E: 577752.7<br><br>E: FOUND BRASS CAP "1941"<br>N: 654017.3 — E: 580331.9<br><br>F: FOUND BRASS CAP "1941"<br>N: 654060.8 — E: 582941.9<br><br>G: FOUND BRASS CAP "1941"<br>N: 654104.0 — E: 585547.5<br><br>H: FOUND BRASS CAP "1941"<br>N: 651507.5 — E: 585578.0<br><br>I: FOUND BRASS CAP "1941"<br>N: 648910.4 — E: 585613.6<br><br>J: FOUND BRASS CAP "1941"<br>N: 648857.6 — E: 583013.8<br><br>K: CALCULATED CORNER<br>N: 648805.9 — E: 580413.8<br><br>L: FOUND BRASS CAP "1941"<br>N: 651411.9 — E: 580372.5 |  |
| <sup>17</sup> <b>OPERATOR CERTIFICATION</b><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><i>Sarah Chapman</i> 08/22/2022<br>Signature Date<br><b>SARAH CHAPMAN</b><br>Printed Name<br><b>SCHAPMAN@SPURENERGY.COM</b><br>E-mail Address |  | <sup>18</sup> <b>SURVEYOR CERTIFICATION</b><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><b>01/14/2022</b><br>Date of Survey<br>Signature and Seal of Professional Surveyor<br><br><b>19680</b><br>Certificate Number<br>REV: NAME CHANGE 08/18/22<br>Job No: LS22010049R1                                                                                                                                                                                                                                                                     |  |

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

Form APD Conditions

Permit 324021

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                           |                                     |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------|
| Operator Name and Address:<br>Spur Energy Partners LLC [328947]<br>9655 Katy Freeway<br>Houston, TX 77024 | API Number:<br>30-015-49904         |
|                                                                                                           | Well:<br>BLALOCK 32 STATE COM #050H |

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| kpickford       | Notify OCD 24 hours prior to casing & cement                                                                                                                                                                                                                         |
| kpickford       | Will require a File As Drilled C-102 and a Directional Survey with the C-104                                                                                                                                                                                         |
| kpickford       | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud                                                                                                                                                                   |
| kpickford       | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string |
| kpickford       | Cement is required to circulate on both surface and intermediate1 strings of casing                                                                                                                                                                                  |
| kpickford       | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system                  |

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

Submit Electronically  
Via E-permitting

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description

Effective May 25, 2021

**I. Operator:** SPUR ENERGY PARTNERS LLC **OGRID:** 328947 **Date:** 08 / 24 / 2022

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name                | API     | ULSTR        | Footages            | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|--------------------------|---------|--------------|---------------------|-----------------------|-----------------------|----------------------------------|
| BLALOCK 32 STATE COM 11H | 30-015- | H-31-17S-28E | 1844' FNL 1089' FEL | 368 BBL/D             | 402 MCF/D             | 1839 BBL/D                       |
| BLALOCK 32 STATE COM 50H | 30-015- | H-31-17S-28E | 1864' FNL 1085' FEL | 316 BBL/D             | 346 MCF/D             | 1896 BBL/D                       |
| BLALOCK 32 STATE COM 90H | 30-015- | H-31-17S-28E | 1825' FNL 1093' FEL | 294 BBL/D             | 319 MCF/D             | 2040 BBL/D                       |

**IV. Central Delivery Point Name:** BLALOCK 32 STATE COM TANK BATTERY [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name                | API     | Spud Date  | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|--------------------------|---------|------------|-----------------|------------------------------|------------------------|-----------------------|
| BLALOCK 32 STATE COM 11H | 30-015- | 12/2/2022  | 12/10/2022      | 1/2/2023                     | 1/22/2023              | 2/12/2023             |
| BLALOCK 32 STATE COM 50H | 30-015- | 12/10/2022 | 12/18/2022      | 1/2/2023                     | 1/22/2023              | 2/12/2023             |
| BLALOCK 32 STATE COM 90H | 30-015- | 12/18/2022 | 12/26/2022      | 1/2/2023                     | 1/22/2023              | 2/12/2023             |

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

## **Section 2 – Enhanced Plan**

### **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### **IX. Anticipated Natural Gas Production:**

| Well | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
|------|-----|--------------------------------------------|----------------------------------------------------------|
|      |     |                                            |                                                          |
|      |     |                                            |                                                          |

#### **X. Natural Gas Gathering System (NGGS):**

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
|----------|--------|-----------------|----------------------------------|-----------------------------------------------------------|
|          |        |                 |                                  |                                                           |
|          |        |                 |                                  |                                                           |

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

|                                                                                                  |                          |
|--------------------------------------------------------------------------------------------------|--------------------------|
| Signature:                                                                                       | <i>Sarah Chapman</i>     |
| Printed Name:                                                                                    | SARAH CHAPMAN            |
| Title:                                                                                           | REGULATORY DIRECTOR      |
| E-mail Address:                                                                                  | SCHAPMAN@SPUREENERGY.COM |
| Date:                                                                                            | 08/24/2022               |
| Phone:                                                                                           | 832-930-8613             |
| <b>OIL CONSERVATION DIVISION</b><br><b>(Only applicable when submitted as a standalone form)</b> |                          |
| Approved By:                                                                                     |                          |
| Title:                                                                                           |                          |
| Approval Date:                                                                                   |                          |
| Conditions of Approval:                                                                          |                          |



# **Spur Energy Partners, LLC**

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

**BLALOCK 32 STATE**

**50H**

**Wellbore #1**

**Plan: PLAN #2**

## **Standard Planning Report**

**07 February, 2022**





## Planning Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | WBDS_SQL_2                     | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>TVD Reference:</b>               | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>MD Reference:</b>                | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Site:</b>     | BLALOCK 32 STATE               | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 50H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | Wellbore #1                    |                                     |                                    |
| <b>Design:</b>   | PLAN #2                        |                                     |                                    |

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

| Site                  |           | BLALOCK 32 STATE |                 |                   |              |
|-----------------------|-----------|------------------|-----------------|-------------------|--------------|
| Site Position:        |           | Northing:        | 653,359.40 usft | Latitude:         | 32.7960549   |
| From:                 | Map       | Easting:         | 579,373.10 usft | Longitude:        | -104.2095518 |
| Position Uncertainty: | 0.00 usft | Slot Radius:     | 13.200 in       | Grid Convergence: | 0.067 °      |

|                      |       |                |                     |                 |               |               |
|----------------------|-------|----------------|---------------------|-----------------|---------------|---------------|
| Well                 | 50H   |                |                     |                 |               |               |
| Well Position        | +N/-S | -1,212.80 usft | Northing:           | 652,146.60 usft | Latitude:     | 32.7927216    |
|                      | +E/-W | -96.60 usft    | Easting:            | 579,276.50 usft | Longitude:    | -104.2098707  |
| Position Uncertainty |       | 0.00 usft      | Wellhead Elevation: |                 | Ground Level: | 3,701.00 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          | 01/28/22           | 6.814                  | 60.301               | 47,696.51459473            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | PLAN #2                        |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <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                 | 89.05                |

|                                 |                        |                          |                       |                                            |
|---------------------------------|------------------------|--------------------------|-----------------------|--------------------------------------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 02/07/22                 |                       |                                            |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>      | <b>Remarks</b>                             |
| 1                               | 0.00                   | 9,746.97                 | PLAN #2 (Wellbore #1) | MWD+IFR1+SAG+FDIR<br>OWSG MWD + IFR1 + Sag |

|                              |                        |                    |                              |                     |                     |                              |                             |                            |                |                    |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|------------------------------|-----------------------------|----------------------------|----------------|--------------------|
| <b>Plan Sections</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>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> | <b>TFO (°)</b> | <b>Target</b>      |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                         | 0.00                        | 0.00                       | 0.000          |                    |
| 300.00                       | 0.00                   | 0.00               | 300.00                       | 0.00                | 0.00                | 0.00                         | 0.00                        | 0.00                       | 0.000          |                    |
| 680.42                       | 7.61                   | 134.72             | 679.30                       | -17.75              | 17.92               | 2.00                         | 2.00                        | 0.00                       | 134.724        |                    |
| 3,283.42                     | 7.61                   | 134.72             | 3,259.38                     | -260.27             | 262.79              | 0.00                         | 0.00                        | 0.00                       | 0.000          |                    |
| 4,197.59                     | 60.00                  | 89.05              | 3,998.30                     | -299.30             | 738.47              | 6.00                         | 5.73                        | -5.00                      | -49.265        |                    |
| 4,397.59                     | 60.00                  | 89.05              | 4,098.30                     | -296.42             | 911.66              | 0.00                         | 0.00                        | 0.00                       | 0.000          |                    |
| 4,689.09                     | 89.15                  | 89.05              | 4,175.00                     | -291.80             | 1,189.60            | 10.00                        | 10.00                       | 0.00                       | 0.000          | 3. FTP 50H: 2165 F |
| 9,697.05                     | 89.15                  | 89.05              | 4,249.26                     | -208.54             | 6,196.32            | 0.00                         | 0.00                        | 0.00                       | 0.000          | 4. LTP 50H: 2165 F |
| 9,746.97                     | 89.15                  | 89.05              | 4,250.00                     | -207.71             | 6,246.22            | 0.00                         | 0.00                        | 0.00                       | 0.000          | 5. BHL 50H: 2165 F |



## Planning Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | WBDS_SQL_2                     | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>TVD Reference:</b>               | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>MD Reference:</b>                | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Site:</b>     | BLALOCK 32 STATE               | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 50H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | Wellbore #1                    |                                     |                                    |
| <b>Design:</b>   | PLAN #2                        |                                     |                                    |

| Planned 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) |
| 0.00                                   | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                  | 0.00                 | 0.00                |
| <b>1. SHL 50H: 1864 FNL, 1085' FEL</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 100.00                                 | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                  | 0.00                 | 0.00                |
| 200.00                                 | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                  | 0.00                 | 0.00                |
| 300.00                                 | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                  | 0.00                 | 0.00                |
| 400.00                                 | 2.00            | 134.72      | 399.98                | -1.23        | 1.24         | 1.22                    | 2.00                  | 2.00                 | 0.00                |
| 500.00                                 | 4.00            | 134.72      | 499.84                | -4.91        | 4.96         | 4.88                    | 2.00                  | 2.00                 | 0.00                |
| 600.00                                 | 6.00            | 134.72      | 599.45                | -11.04       | 11.15        | 10.97                   | 2.00                  | 2.00                 | 0.00                |
| 680.42                                 | 7.61            | 134.72      | 679.30                | -17.75       | 17.92        | 17.62                   | 2.00                  | 2.00                 | 0.00                |
| 700.00                                 | 7.61            | 134.72      | 698.71                | -19.57       | 19.76        | 19.43                   | 0.00                  | 0.00                 | 0.00                |
| 800.00                                 | 7.61            | 134.72      | 797.83                | -28.89       | 29.17        | 28.69                   | 0.00                  | 0.00                 | 0.00                |
| 900.00                                 | 7.61            | 134.72      | 896.95                | -38.21       | 38.58        | 37.94                   | 0.00                  | 0.00                 | 0.00                |
| 1,000.00                               | 7.61            | 134.72      | 996.07                | -47.52       | 47.98        | 47.19                   | 0.00                  | 0.00                 | 0.00                |
| 1,100.00                               | 7.61            | 134.72      | 1,095.19              | -56.84       | 57.39        | 56.44                   | 0.00                  | 0.00                 | 0.00                |
| 1,200.00                               | 7.61            | 134.72      | 1,194.31              | -66.16       | 66.80        | 65.69                   | 0.00                  | 0.00                 | 0.00                |
| 1,300.00                               | 7.61            | 134.72      | 1,293.43              | -75.47       | 76.20        | 74.94                   | 0.00                  | 0.00                 | 0.00                |
| 1,400.00                               | 7.61            | 134.72      | 1,392.55              | -84.79       | 85.61        | 84.19                   | 0.00                  | 0.00                 | 0.00                |
| 1,500.00                               | 7.61            | 134.72      | 1,491.67              | -94.11       | 95.02        | 93.45                   | 0.00                  | 0.00                 | 0.00                |
| 1,600.00                               | 7.61            | 134.72      | 1,590.79              | -103.43      | 104.43       | 102.70                  | 0.00                  | 0.00                 | 0.00                |
| 1,700.00                               | 7.61            | 134.72      | 1,689.91              | -112.74      | 113.83       | 111.95                  | 0.00                  | 0.00                 | 0.00                |
| 1,800.00                               | 7.61            | 134.72      | 1,789.03              | -122.06      | 123.24       | 121.20                  | 0.00                  | 0.00                 | 0.00                |
| 1,900.00                               | 7.61            | 134.72      | 1,888.15              | -131.38      | 132.65       | 130.45                  | 0.00                  | 0.00                 | 0.00                |
| 2,000.00                               | 7.61            | 134.72      | 1,987.27              | -140.69      | 142.05       | 139.70                  | 0.00                  | 0.00                 | 0.00                |
| 2,100.00                               | 7.61            | 134.72      | 2,086.39              | -150.01      | 151.46       | 148.95                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.00                               | 7.61            | 134.72      | 2,185.50              | -159.33      | 160.87       | 158.20                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00                               | 7.61            | 134.72      | 2,284.62              | -168.64      | 170.28       | 167.46                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00                               | 7.61            | 134.72      | 2,383.74              | -177.96      | 179.68       | 176.71                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00                               | 7.61            | 134.72      | 2,482.86              | -187.28      | 189.09       | 185.96                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00                               | 7.61            | 134.72      | 2,581.98              | -196.60      | 198.50       | 195.21                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00                               | 7.61            | 134.72      | 2,681.10              | -205.91      | 207.90       | 204.46                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00                               | 7.61            | 134.72      | 2,780.22              | -215.23      | 217.31       | 213.71                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00                               | 7.61            | 134.72      | 2,879.34              | -224.55      | 226.72       | 222.96                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00                               | 7.61            | 134.72      | 2,978.46              | -233.86      | 236.13       | 232.22                  | 0.00                  | 0.00                 | 0.00                |
| 3,100.00                               | 7.61            | 134.72      | 3,077.58              | -243.18      | 245.53       | 241.47                  | 0.00                  | 0.00                 | 0.00                |
| 3,200.00                               | 7.61            | 134.72      | 3,176.70              | -252.50      | 254.94       | 250.72                  | 0.00                  | 0.00                 | 0.00                |
| 3,283.41                               | 7.61            | 134.72      | 3,259.38              | -260.27      | 262.79       | 258.44                  | 0.00                  | 0.00                 | 0.00                |
| <b>2. KOP 50H @ 3283.42' MD</b>        |                 |             |                       |              |              |                         |                       |                      |                     |
| 3,300.00                               | 8.29            | 129.49      | 3,275.81              | -261.80      | 264.49       | 260.11                  | 6.00                  | 4.12                 | -31.56              |
| 3,350.00                               | 10.65           | 118.13      | 3,325.13              | -266.28      | 271.35       | 266.90                  | 6.00                  | 4.72                 | -22.72              |
| 3,400.00                               | 13.27           | 111.02      | 3,374.04              | -270.51      | 280.78       | 276.26                  | 6.00                  | 5.24                 | -14.22              |
| 3,450.00                               | 16.02           | 106.27      | 3,422.41              | -274.51      | 292.77       | 288.18                  | 6.00                  | 5.50                 | -9.51               |
| 3,500.00                               | 18.85           | 102.89      | 3,470.11              | -278.24      | 307.27       | 302.61                  | 6.00                  | 5.65                 | -6.75               |
| 3,550.00                               | 21.72           | 100.37      | 3,517.01              | -281.71      | 324.24       | 319.53                  | 6.00                  | 5.74                 | -5.03               |
| 3,600.00                               | 24.62           | 98.42       | 3,562.97              | -284.90      | 343.65       | 338.88                  | 6.00                  | 5.80                 | -3.90               |
| 3,650.00                               | 27.54           | 96.86       | 3,607.88              | -287.81      | 365.43       | 360.61                  | 6.00                  | 5.84                 | -3.12               |
| 3,700.00                               | 30.47           | 95.58       | 3,651.60              | -290.42      | 389.53       | 384.66                  | 6.00                  | 5.87                 | -2.57               |
| 3,750.00                               | 33.42           | 94.50       | 3,694.02              | -292.73      | 415.88       | 410.97                  | 6.00                  | 5.89                 | -2.15               |
| 3,800.00                               | 36.37           | 93.58       | 3,735.03              | -294.74      | 444.41       | 439.47                  | 6.00                  | 5.91                 | -1.84               |
| 3,850.00                               | 39.33           | 92.78       | 3,774.50              | -296.43      | 475.05       | 470.07                  | 6.00                  | 5.92                 | -1.60               |
| 3,900.00                               | 42.30           | 92.07       | 3,812.34              | -297.81      | 507.69       | 502.69                  | 6.00                  | 5.93                 | -1.41               |
| 3,950.00                               | 45.27           | 91.44       | 3,848.43              | -298.87      | 542.27       | 537.24                  | 6.00                  | 5.94                 | -1.26               |
| 4,000.00                               | 48.24           | 90.88       | 3,882.69              | -299.60      | 578.68       | 573.63                  | 6.00                  | 5.94                 | -1.14               |
| 4,050.00                               | 51.21           | 90.36       | 3,915.01              | -300.01      | 616.82       | 611.76                  | 6.00                  | 5.95                 | -1.03               |



## Planning Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | WBDS_SQL_2                     | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>TVD Reference:</b>               | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>MD Reference:</b>                | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Site:</b>     | BLALOCK 32 STATE               | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 50H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | Wellbore #1                    |                                     |                                    |
| <b>Design:</b>   | PLAN #2                        |                                     |                                    |

| Planned 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) |
| 4,100.00                              | 54.19           | 89.88       | 3,945.31              | -300.09      | 656.58       | 651.52                  | 6.00                  | 5.95                 | -0.95               |
| 4,150.00                              | 57.16           | 89.44       | 3,973.50              | -299.84      | 697.87       | 692.80                  | 6.00                  | 5.96                 | -0.88               |
| 4,197.59                              | 60.00           | 89.05       | 3,998.30              | -299.30      | 738.47       | 733.41                  | 6.00                  | 5.96                 | -0.83               |
| 4,200.00                              | 60.00           | 89.05       | 3,999.51              | -299.27      | 740.56       | 735.50                  | 0.00                  | 0.00                 | 0.00                |
| 4,300.00                              | 60.00           | 89.05       | 4,049.51              | -297.83      | 827.15       | 822.10                  | 0.00                  | 0.00                 | 0.00                |
| 4,397.59                              | 60.00           | 89.05       | 4,098.30              | -296.42      | 911.66       | 906.62                  | 0.00                  | 0.00                 | 0.00                |
| 4,400.00                              | 60.24           | 89.05       | 4,099.50              | -296.39      | 913.75       | 908.71                  | 10.00                 | 10.00                | 0.00                |
| 4,450.00                              | 65.24           | 89.05       | 4,122.40              | -295.65      | 958.17       | 953.14                  | 10.00                 | 10.00                | 0.00                |
| 4,500.00                              | 70.24           | 89.05       | 4,141.33              | -294.88      | 1,004.43     | 999.40                  | 10.00                 | 10.00                | 0.00                |
| 4,550.00                              | 75.24           | 89.05       | 4,156.16              | -294.09      | 1,052.15     | 1,047.13                | 10.00                 | 10.00                | 0.00                |
| 4,600.00                              | 80.24           | 89.05       | 4,166.77              | -293.27      | 1,100.99     | 1,095.98                | 10.00                 | 10.00                | 0.00                |
| 4,650.00                              | 85.24           | 89.05       | 4,173.09              | -292.45      | 1,150.57     | 1,145.56                | 10.00                 | 10.00                | 0.00                |
| 4,689.09                              | 89.15           | 89.05       | 4,175.00              | -291.80      | 1,189.60     | 1,184.60                | 10.00                 | 10.00                | 0.00                |
| <b>3. FTP 50H: 2165 FNL, 100' FWL</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 4,700.00                              | 89.15           | 89.05       | 4,175.16              | -291.62      | 1,200.51     | 1,195.51                | 0.00                  | 0.00                 | 0.00                |
| 4,800.00                              | 89.15           | 89.05       | 4,176.64              | -289.96      | 1,300.48     | 1,295.50                | 0.00                  | 0.00                 | 0.00                |
| 4,900.00                              | 89.15           | 89.05       | 4,178.13              | -288.29      | 1,400.46     | 1,395.48                | 0.00                  | 0.00                 | 0.00                |
| 5,000.00                              | 89.15           | 89.05       | 4,179.61              | -286.63      | 1,500.43     | 1,495.47                | 0.00                  | 0.00                 | 0.00                |
| 5,100.00                              | 89.15           | 89.05       | 4,181.09              | -284.97      | 1,600.41     | 1,595.46                | 0.00                  | 0.00                 | 0.00                |
| 5,200.00                              | 89.15           | 89.05       | 4,182.58              | -283.31      | 1,700.38     | 1,695.45                | 0.00                  | 0.00                 | 0.00                |
| 5,300.00                              | 89.15           | 89.05       | 4,184.06              | -281.64      | 1,800.36     | 1,795.44                | 0.00                  | 0.00                 | 0.00                |
| 5,400.00                              | 89.15           | 89.05       | 4,185.54              | -279.98      | 1,900.33     | 1,895.43                | 0.00                  | 0.00                 | 0.00                |
| 5,500.00                              | 89.15           | 89.05       | 4,187.02              | -278.32      | 2,000.31     | 1,995.42                | 0.00                  | 0.00                 | 0.00                |
| 5,600.00                              | 89.15           | 89.05       | 4,188.51              | -276.66      | 2,100.28     | 2,095.41                | 0.00                  | 0.00                 | 0.00                |
| 5,700.00                              | 89.15           | 89.05       | 4,189.99              | -274.99      | 2,200.26     | 2,195.40                | 0.00                  | 0.00                 | 0.00                |
| 5,800.00                              | 89.15           | 89.05       | 4,191.47              | -273.33      | 2,300.23     | 2,295.39                | 0.00                  | 0.00                 | 0.00                |
| 5,900.00                              | 89.15           | 89.05       | 4,192.96              | -271.67      | 2,400.21     | 2,395.37                | 0.00                  | 0.00                 | 0.00                |
| 6,000.00                              | 89.15           | 89.05       | 4,194.44              | -270.01      | 2,500.18     | 2,495.36                | 0.00                  | 0.00                 | 0.00                |
| 6,100.00                              | 89.15           | 89.05       | 4,195.92              | -268.34      | 2,600.16     | 2,595.35                | 0.00                  | 0.00                 | 0.00                |
| 6,200.00                              | 89.15           | 89.05       | 4,197.40              | -266.68      | 2,700.13     | 2,695.34                | 0.00                  | 0.00                 | 0.00                |
| 6,300.00                              | 89.15           | 89.05       | 4,198.89              | -265.02      | 2,800.11     | 2,795.33                | 0.00                  | 0.00                 | 0.00                |
| 6,400.00                              | 89.15           | 89.05       | 4,200.37              | -263.36      | 2,900.08     | 2,895.32                | 0.00                  | 0.00                 | 0.00                |
| 6,500.00                              | 89.15           | 89.05       | 4,201.85              | -261.69      | 3,000.06     | 2,995.31                | 0.00                  | 0.00                 | 0.00                |
| 6,600.00                              | 89.15           | 89.05       | 4,203.34              | -260.03      | 3,100.03     | 3,095.30                | 0.00                  | 0.00                 | 0.00                |
| 6,700.00                              | 89.15           | 89.05       | 4,204.82              | -258.37      | 3,200.01     | 3,195.29                | 0.00                  | 0.00                 | 0.00                |
| 6,800.00                              | 89.15           | 89.05       | 4,206.30              | -256.70      | 3,299.99     | 3,295.28                | 0.00                  | 0.00                 | 0.00                |
| 6,900.00                              | 89.15           | 89.05       | 4,207.78              | -255.04      | 3,399.96     | 3,395.26                | 0.00                  | 0.00                 | 0.00                |
| 7,000.00                              | 89.15           | 89.05       | 4,209.27              | -253.38      | 3,499.94     | 3,495.25                | 0.00                  | 0.00                 | 0.00                |
| 7,100.00                              | 89.15           | 89.05       | 4,210.75              | -251.72      | 3,599.91     | 3,595.24                | 0.00                  | 0.00                 | 0.00                |
| 7,200.00                              | 89.15           | 89.05       | 4,212.23              | -250.05      | 3,699.89     | 3,695.23                | 0.00                  | 0.00                 | 0.00                |
| 7,300.00                              | 89.15           | 89.05       | 4,213.72              | -248.39      | 3,799.86     | 3,795.22                | 0.00                  | 0.00                 | 0.00                |
| 7,400.00                              | 89.15           | 89.05       | 4,215.20              | -246.73      | 3,899.84     | 3,895.21                | 0.00                  | 0.00                 | 0.00                |
| 7,500.00                              | 89.15           | 89.05       | 4,216.68              | -245.07      | 3,999.81     | 3,995.20                | 0.00                  | 0.00                 | 0.00                |
| 7,600.00                              | 89.15           | 89.05       | 4,218.16              | -243.40      | 4,099.79     | 4,095.19                | 0.00                  | 0.00                 | 0.00                |
| 7,700.00                              | 89.15           | 89.05       | 4,219.65              | -241.74      | 4,199.76     | 4,195.18                | 0.00                  | 0.00                 | 0.00                |
| 7,800.00                              | 89.15           | 89.05       | 4,221.13              | -240.08      | 4,299.74     | 4,295.17                | 0.00                  | 0.00                 | 0.00                |
| 7,900.00                              | 89.15           | 89.05       | 4,222.61              | -238.42      | 4,399.71     | 4,395.15                | 0.00                  | 0.00                 | 0.00                |
| 8,000.00                              | 89.15           | 89.05       | 4,224.10              | -236.75      | 4,499.69     | 4,495.14                | 0.00                  | 0.00                 | 0.00                |
| 8,100.00                              | 89.15           | 89.05       | 4,225.58              | -235.09      | 4,599.66     | 4,595.13                | 0.00                  | 0.00                 | 0.00                |
| 8,200.00                              | 89.15           | 89.05       | 4,227.06              | -233.43      | 4,699.64     | 4,695.12                | 0.00                  | 0.00                 | 0.00                |
| 8,300.00                              | 89.15           | 89.05       | 4,228.54              | -231.77      | 4,799.61     | 4,795.11                | 0.00                  | 0.00                 | 0.00                |
| 8,400.00                              | 89.15           | 89.05       | 4,230.03              | -230.10      | 4,899.59     | 4,895.10                | 0.00                  | 0.00                 | 0.00                |
| 8,500.00                              | 89.15           | 89.05       | 4,231.51              | -228.44      | 4,999.56     | 4,995.09                | 0.00                  | 0.00                 | 0.00                |
| 8,600.00                              | 89.15           | 89.05       | 4,232.99              | -226.78      | 5,099.54     | 5,095.08                | 0.00                  | 0.00                 | 0.00                |



## Planning Report



|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | WBDS_SQL_2                     | <b>Local Co-ordinate Reference:</b> | Well 50H                           |
| <b>Company:</b>  | Spur Energy Partners, LLC      | <b>TVD Reference:</b>               | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 - NME) | <b>MD Reference:</b>                | RKB = 20' @ 3721.00usft (AKITA 57) |
| <b>Site:</b>     | BLALOCK 32 STATE               | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 50H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | Wellbore #1                    |                                     |                                    |
| <b>Design:</b>   | PLAN #2                        |                                     |                                    |

| Planned 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) |
| 8,700.00                              | 89.15           | 89.05       | 4,234.48              | -225.12      | 5,199.51     | 5,195.07                | 0.00                  | 0.00                 | 0.00                |
| 8,800.00                              | 89.15           | 89.05       | 4,235.96              | -223.45      | 5,299.49     | 5,295.06                | 0.00                  | 0.00                 | 0.00                |
| 8,900.00                              | 89.15           | 89.05       | 4,237.44              | -221.79      | 5,399.46     | 5,395.04                | 0.00                  | 0.00                 | 0.00                |
| 9,000.00                              | 89.15           | 89.05       | 4,238.92              | -220.13      | 5,499.44     | 5,495.03                | 0.00                  | 0.00                 | 0.00                |
| 9,100.00                              | 89.15           | 89.05       | 4,240.41              | -218.47      | 5,599.41     | 5,595.02                | 0.00                  | 0.00                 | 0.00                |
| 9,200.00                              | 89.15           | 89.05       | 4,241.89              | -216.80      | 5,699.39     | 5,695.01                | 0.00                  | 0.00                 | 0.00                |
| 9,300.00                              | 89.15           | 89.05       | 4,243.37              | -215.14      | 5,799.36     | 5,795.00                | 0.00                  | 0.00                 | 0.00                |
| 9,400.00                              | 89.15           | 89.05       | 4,244.86              | -213.48      | 5,899.34     | 5,894.99                | 0.00                  | 0.00                 | 0.00                |
| 9,500.00                              | 89.15           | 89.05       | 4,246.34              | -211.82      | 5,999.32     | 5,994.98                | 0.00                  | 0.00                 | 0.00                |
| 9,600.00                              | 89.15           | 89.05       | 4,247.82              | -210.15      | 6,099.29     | 6,094.97                | 0.00                  | 0.00                 | 0.00                |
| 9,697.05                              | 89.15           | 89.05       | 4,249.26              | -208.54      | 6,196.32     | 6,192.01                | 0.00                  | 0.00                 | 0.00                |
| <b>4. LTP 50H: 2165 FNL, 100' FEL</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 9,700.00                              | 89.15           | 89.05       | 4,249.30              | -208.49      | 6,199.27     | 6,194.96                | 0.00                  | 0.00                 | 0.00                |
| 9,746.97                              | 89.15           | 89.05       | 4,250.00              | -207.71      | 6,246.22     | 6,241.92                | 0.00                  | 0.00                 | 0.00                |
| <b>5. BHL 50H: 2165 FNL, 50' FEL</b>  |                 |             |                       |              |              |                         |                       |                      |                     |

| Design Targets                                               |               |              |            |              |              |                 |                |            |              |
|--------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------|--------------|
| Target Name<br>- hit/miss target<br>- Shape                  | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude   | Longitude    |
| 1. SHL 50H: 1864 FNI<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 0.00       | 0.00         | 0.00         | 652,146.60      | 579,276.50     | 32.7927216 | -104.2098707 |
| 2. KOP 50H @ 3283.4<br>- plan hits target center<br>- Point  | 0.00          | 0.00         | 3,259.38   | -260.27      | 262.79       | 651,886.33      | 579,539.29     | 32.7920054 | -104.2090166 |
| 3. FTP 50H: 2165 FNI<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 4,175.00   | -291.80      | 1,189.60     | 651,854.80      | 580,466.10     | 32.7919157 | -104.2060006 |
| 4. LTP 50H: 2165 FNL<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 4,249.26   | -208.54      | 6,196.32     | 651,938.06      | 585,472.82     | 32.7921269 | -104.1897074 |
| 5. BHL 50H: 2165 FNI<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 4,250.00   | -207.71      | 6,246.22     | 651,938.89      | 585,522.72     | 32.7921290 | -104.1895450 |



Company: Spur Energy Partners, LLC  
Project: Eddy County, NM (NAD 83 - NME)  
Site: BLALOCK 32 STATE  
Well: 50H  
Wellbore: Wellbore #1  
Rig: AKITA 57  
Design: PLAN #2 / 13:22, February 07 2022

WELL DETAILS: 50H

RKB = 20' @ 3721.00usft (AKITA 57)

3701.00

|  | +N/-S | +E/-W | Northing  | Easting   | Latitude   | Longitude    |
|--|-------|-------|-----------|-----------|------------|--------------|
|  | 0.00  | 0.00  | 652146.60 | 579276.50 | 32.7927216 | -104.2098708 |

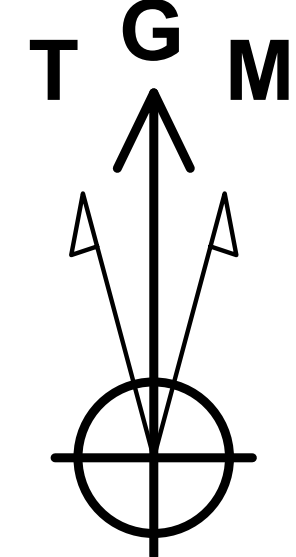
SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W   | Dleg  | TFace   | VSect   | Target |
|-----|---------|-------|--------|---------|---------|---------|-------|---------|---------|--------|
| 1   | 0.00    | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00  | 0.000   | 0.00    |        |
| 2   | 300.00  | 0.00  | 0.00   | 300.00  | 0.00    | 0.00    | 0.00  | 0.000   | 0.00    |        |
| 3   | 680.42  | 7.61  | 134.72 | 679.30  | -17.75  | 17.92   | 2.00  | 134.724 | 17.62   |        |
| 4   | 3283.42 | 7.61  | 134.72 | 3259.38 | -260.27 | 262.79  | 0.00  | 0.000   | 258.44  |        |
| 5   | 4197.59 | 60.00 | 89.05  | 3998.30 | -299.30 | 738.47  | 6.00  | -49.265 | 733.41  |        |
| 6   | 4397.59 | 60.00 | 89.05  | 4098.30 | -296.42 | 911.66  | 0.00  | 0.000   | 906.62  |        |
| 7   | 4689.09 | 89.15 | 89.05  | 4175.00 | -291.80 | 1189.60 | 10.00 | 0.000   | 1184.60 |        |
| 8   | 9697.05 | 89.15 | 89.05  | 4249.26 | -208.54 | 6196.32 | 0.00  | 0.000   | 6192.01 |        |
| 9   | 9746.97 | 89.15 | 89.05  | 4250.00 | -207.71 | 6246.22 | 0.00  | 0.000   | 6241.92 |        |

3. FTP 50H: 2165 FNL, 100' FWL  
4. LTP 50H: 2165 FNL, 100' FEL  
5. BHL 50H: 2165 FNL, 50' FEL

DESIGN TARGET DETAILS

| Name                            | TVD     | +N/-S   | +E/-W   | Northing  | Easting   | Latitude   | Longitude    |
|---------------------------------|---------|---------|---------|-----------|-----------|------------|--------------|
| 1. SHL 50H: 1864 FNL, 1085' FEL | 0.00    | 0.00    | 0.00    | 652146.60 | 579276.50 | 32.7927216 | -104.2098708 |
| 2. KOP 50H @ 3283.42' MD        | 3259.38 | -260.27 | 262.79  | 651886.33 | 579539.29 | 32.7920054 | -104.2090166 |
| 3. FTP 50H: 2165 FNL, 100' FWL  | 4175.00 | -291.80 | 1189.60 | 651854.80 | 580466.10 | 32.7919157 | -104.2060007 |
| 4. LTP 50H: 2165 FNL, 100' FEL  | 4249.26 | -208.54 | 6196.32 | 651938.06 | 585472.82 | 32.7921269 | -104.1897074 |
| 5. BHL 50H: 2165 FNL, 50' FEL   | 4250.00 | -207.71 | 6246.22 | 651938.89 | 585522.72 | 32.7921290 | -104.1895450 |



Azimuths to Grid North  
True North: -0.07°  
Magnetic North: 6.75°

Magnetic Field  
Strength: 47696.5nT  
Dip Angle: 60.30°  
Date: 01/28/2022  
Model: IGRF2020

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

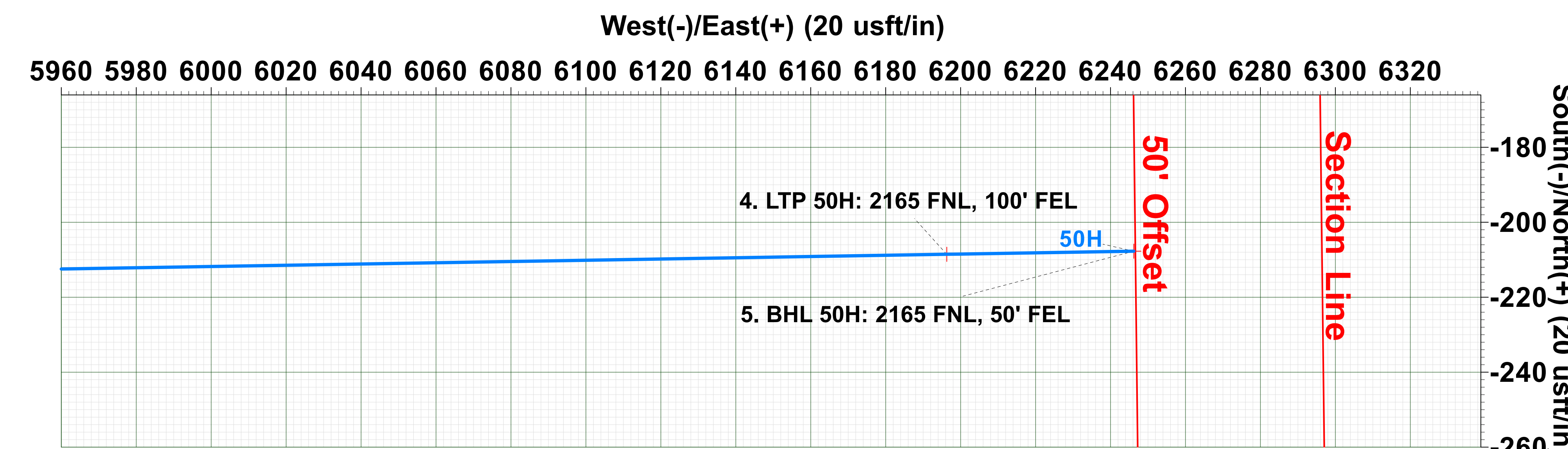
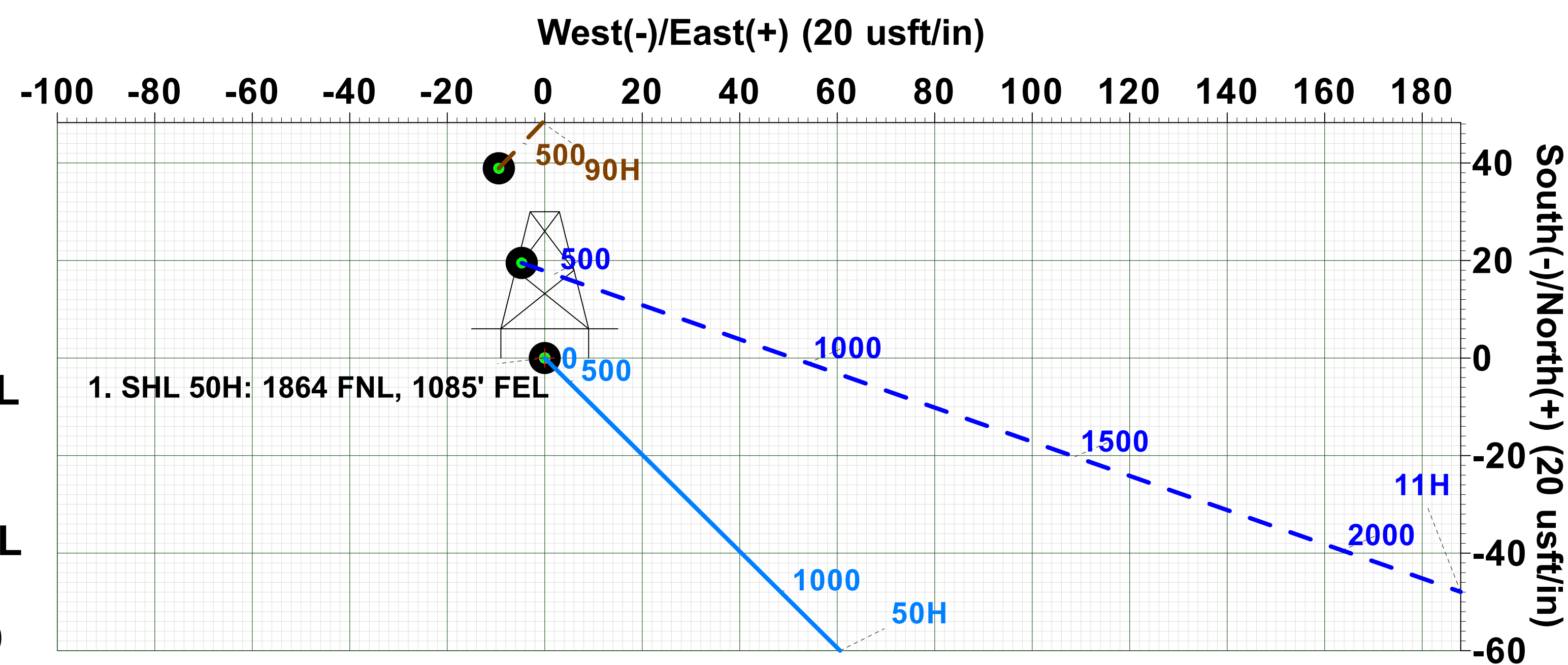
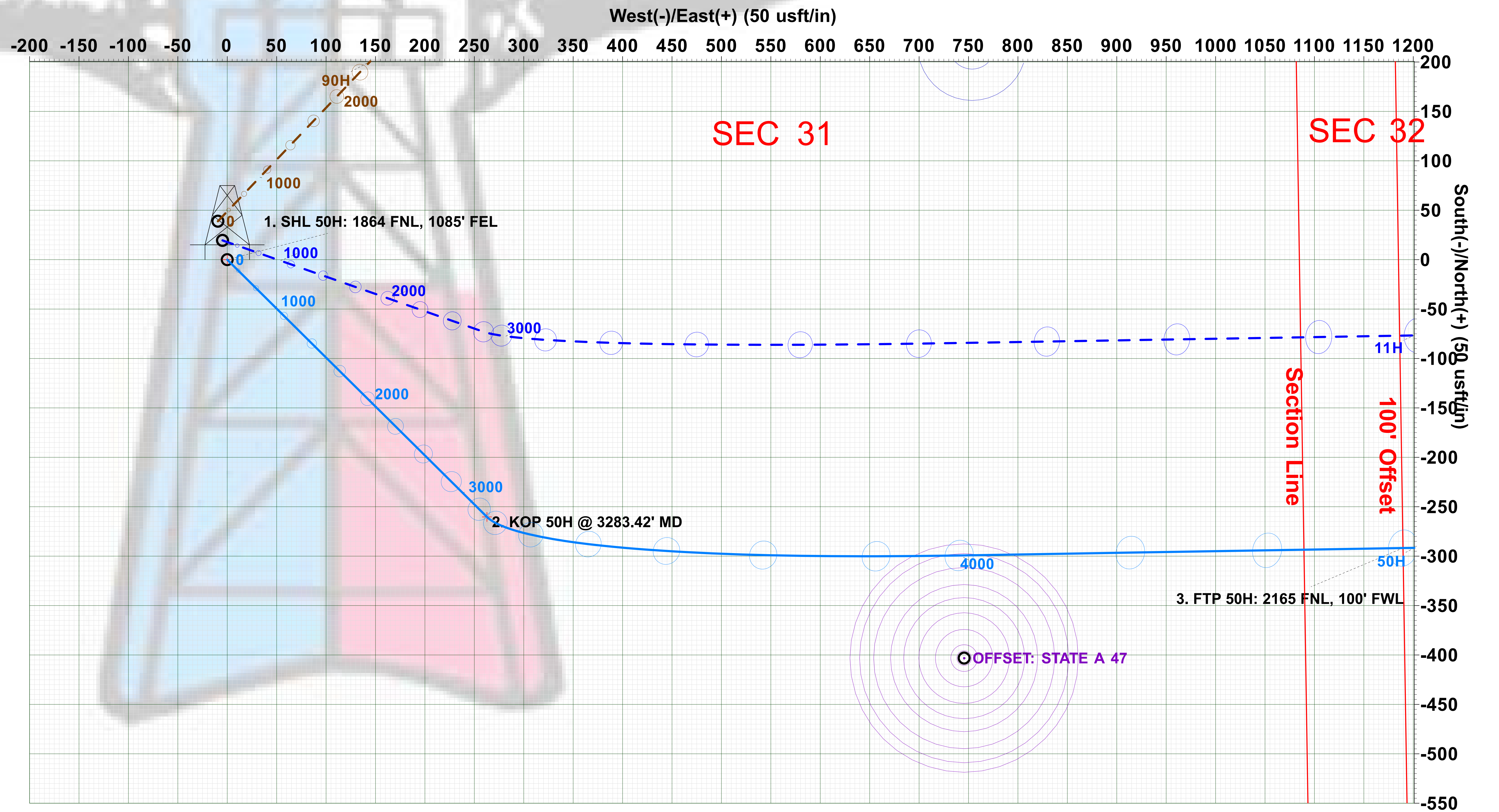
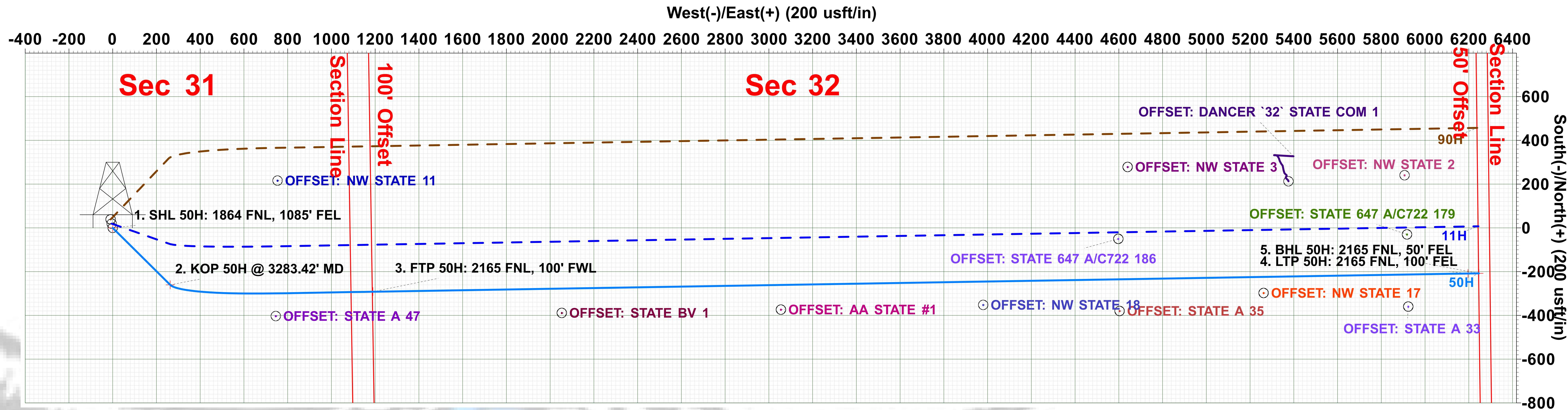
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

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



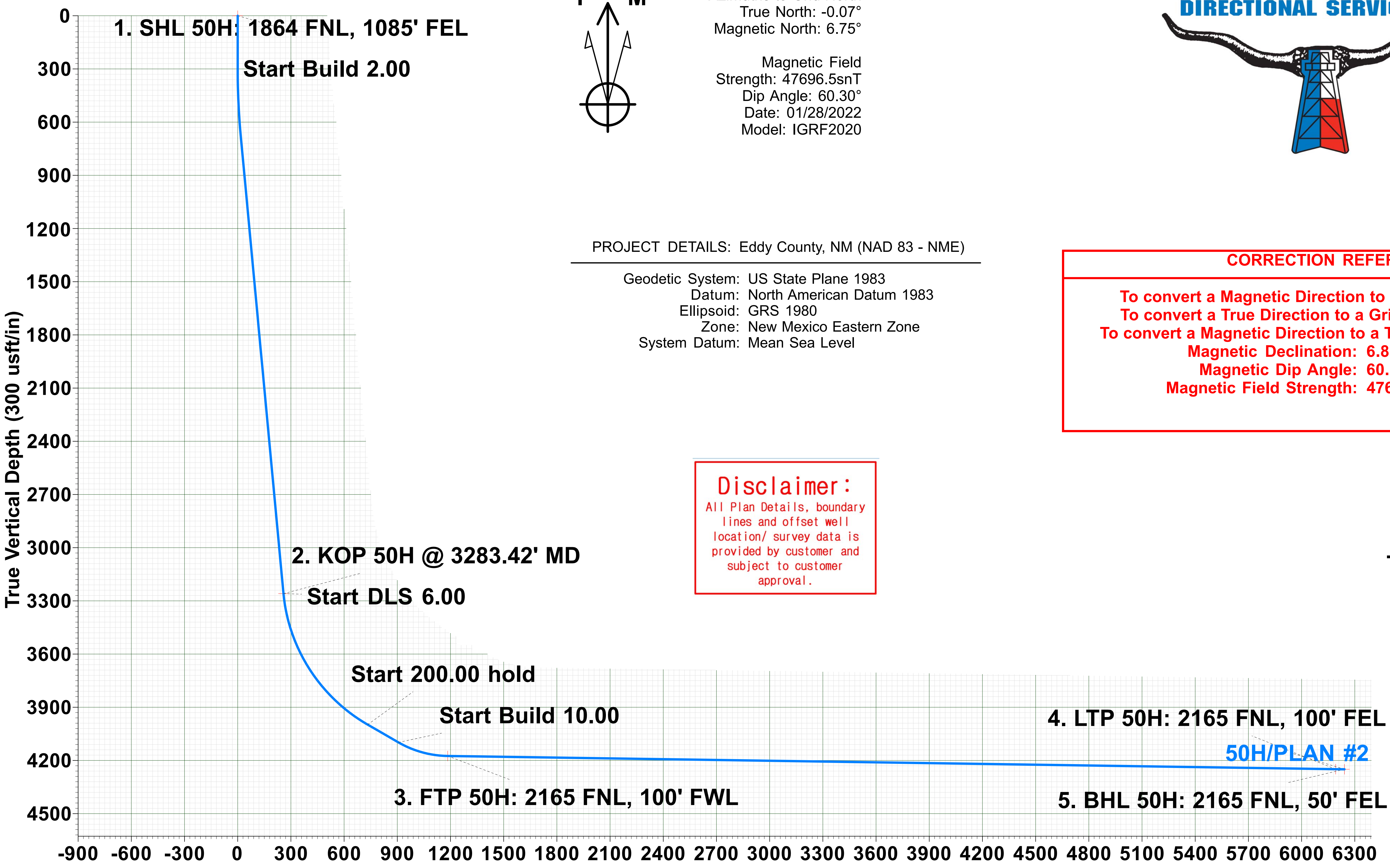
CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.747°  
To convert a True Direction to a Grid Direction, Subtract 0.067°  
To convert a Magnetic Direction to a True Direction, Add 6.814° East  
Magnetic Declination: 6.814°  
Magnetic Dip Angle: 60.301°  
Magnetic Field Strength: 47696.51459472nT



Plan: PLAN #2 (50H/Wellbore #1) AKITA 57

Created By: Derek Stephens Date: 13:22, February 07 2022



## Spur Energy Partners LLC – Blalock 32 State Com 50H

### 1. Geologic Formations

|               |        |
|---------------|--------|
| TVD of Target | 4,250' |
| MD at TD      | 9,747' |

| Formation    | Depth | Lithology                             | Expected Fluids  |
|--------------|-------|---------------------------------------|------------------|
| Quaternary   | 0'    | Dolomite, other: Caliche              | Useable Water    |
| Tansill      | 260'  | Sandstone, Dolomite                   | None             |
| Yates        | 350'  | Dolomite, Limestone, Shale, Siltstone | None             |
| Seven Rivers | 600'  | Dolomite, Limestone                   | Natural Gas, Oil |
| Queen        | 1160' | Anhydrite, Dolomite, Sandstone        | Natural Gas, Oil |
| Grayburg     | 1892' | Anhydrite                             | Natural Gas, Oil |
| San Andres   | 2199' | Dolomite                              | Natural Gas, Oil |
| Glorieta     | 3323' | Dolomite, Siltstone                   | Natural Gas, Oil |
| Paddock      | 3430' | Dolomite, Limestone                   | Natural Gas, Oil |
| Blaine       | 3955' | Dolomite, Limestone                   | Natural Gas, Oil |
| Tubb         | 4925' | Dolomite, Limestone                   | Natural Gas, Oil |

\*H<sub>2</sub>S, water flows, loss of circulation, abnormal pressures, etc.

### 2. Casing Program

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

| Casing<br>Formation Set<br>Interval | Hole Size (in) | Casing Interval |         | Csg. Size<br>(in) | Weight | Grade | Conn. | SF       | SF Burst | Body SF | Joint SF |
|-------------------------------------|----------------|-----------------|---------|-------------------|--------|-------|-------|----------|----------|---------|----------|
|                                     |                | From (ft)       | To (ft) |                   | (lbs)  |       |       | Collapse |          | Tension | Tension  |
| Seven Rivers                        | 12.25          | 0               | 1075    | 9.625             | 36     | J-55  | BTC   | 1.125    | 1.2      | 1.4     | 1.4      |
| N/A                                 | 8.75           | 0               | 4450    | 7                 | 32     | L-80  | BK-HT | 1.125    | 1.2      | 1.4     | 1.4      |
| Yeso                                | 8.75           | 4450            | 9747    | 5.5               | 20     | L-80  | BK-HT | 1.125    | 1.2      | 1.4     | 1.4      |
| SF Values will meet or Exceed       |                |                 |         |                   |        |       |       |          |          |         |          |

## Spur Energy Partners LLC – Blalock 32 State Com 50H

|                                                                                                                                                  | Y or N |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in Onshore Order #1                                                                     | Y      |
| Does casing meet API specifications? If no, attach casing specification sheet.                                                                   | Y      |
| Is premium or uncommon casing planned? If yes attach casing specification sheet.                                                                 | N      |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y      |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?                | Y      |
| Is well located within Capitan Reef?                                                                                                             | N      |
| If yes, does production casing cement tie back a minimum of 50' above the Reef?                                                                  |        |
| Is well within the designated 4 string boundary.                                                                                                 |        |
| Is well located in SOPA but not in R-111-P?                                                                                                      | N      |
| If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?                       |        |
| Is well located in R-111-P and SOPA?                                                                                                             | N      |
| If yes, are the first three strings cemented to surface?                                                                                         |        |
| Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?                                                                               |        |
| Is well located in high Cave/Karst?                                                                                                              | N      |
| If yes, are there two strings cemented to surface?                                                                                               | N/A    |
| Is well located in critical Cave/Karst?                                                                                                          | N      |
| If yes, are there three strings cemented to surface?                                                                                             |        |

## 3. Cementing Program

| Casing String     | Top (ft) | Bottom (ft) | % Excess |
|-------------------|----------|-------------|----------|
| Surface (Lead)    | 0        | 950         | 100%     |
| Surface (Tail)    | 950      | 1075        | 100%     |
| Production (Lead) | 0        | 3450        | 100%     |
| Production (Tail) | 3450     | 9747        | 25%      |

| Casing String     | # Sks | Wt.<br>(lb/gal) | Yld<br>(ft3/sack) | H2O<br>(gal/sk) | 500#<br>Comp.<br>Strength<br>(hours) | Slurry Description         |
|-------------------|-------|-----------------|-------------------|-----------------|--------------------------------------|----------------------------|
| Surface (Lead)    | 259   | 12              | 2.4               | 13.48           | 8:12                                 | Clas C Premium Plus Cement |
| Surface (Tail)    | 52    | 13.2            | 1.87              | 9.92            | 6:59                                 | Clas C Premium Plus Cement |
| Production (Lead) | 370   | 11.4            | 2.42              | 15.29           | N/A                                  | Clas C Premium Plus Cement |
| Production (Tail) | 1197  | 13.2            | 1.56              | 9.81            | N/A                                  | Clas C Premium Plus Cement |

## Spur Energy Partners LLC – Blalock 32 State Com 50H

### 4. Pressure Control Equipment

Spur requests a variance to use a flex line from the BOP to the choke manifold. Documentation will be attached in the APD and be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no bends).

| BOP installed and tested before drilling which hole? | Size?   | Min. Required WP | Type       | ✓ | Tested to:              |
|------------------------------------------------------|---------|------------------|------------|---|-------------------------|
| 12.25" Hole                                          | 13-5/8" | 5M               | Annular    | ✓ | 70% of working pressure |
|                                                      |         | 5M               | Blind Ram  | ✓ | 250 psi / 3000 psi      |
|                                                      |         |                  | Pipe Ram   | ✓ |                         |
|                                                      |         |                  | Double Ram |   |                         |
|                                                      |         |                  | Other*     |   |                         |
| 8.75" Hole                                           | 13-5/8" | 5M               | Annular    | ✓ | 70% of working pressure |
|                                                      |         | 5M               | Blind Ram  | ✓ | 250 psi / 3000 psi      |
|                                                      |         |                  | Pipe Ram   | ✓ |                         |
|                                                      |         |                  | Double Ram |   |                         |
|                                                      |         |                  | Other*     |   |                         |

**\*Spur Energy Partners LLC will be utilizing a 5M BOP\***

| Condition                     | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD    | 1967 psi                     |
| Abnormal Temperature          | No                           |
| BH Temperature at deepest TVD | 114°F                        |

\*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

|   |                                                                                                                                                                                                                                                                                                               |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Formation integrity test will be performed per Onshore Order #2.<br>On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i. |
| Y | Are anchors required by manufacturer?                                                                                                                                                                                                                                                                         |

**Spur Energy Partners LLC – Blalock 32 State Com 50H**

|  |                                                                                                                                                                                                                                                                                                              |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | A conventional wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days.<br>See attached schematics. |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**5. BOP Break Testing Request**

Spur Energy Partners LLC requests permission to adjust the BOP break testing requirements as per the verbal agreement reached over the phone between SPUR/BLM on September 7, 2020. A separate sundry will be sent prior to spud that reflects the pad-based break testing plan.

BOP break test under the following conditions:

- After a full BOP test is conducted
- When skidding to drill the production section, where the surface casing point is shallower than the 3 Bone Spring or 10,000 TVD.
- When skidding to drill a production section that does not penetrate the 3<sup>rd</sup> Bone Spring or deeper.

If the kill line is broken prior to skid, four tests will be performed.

- 1) The void between the wellhead and the spool (this consists of two tests)
- 2) The spool between the kill lines and the choke manifold (this consists of two tests)

If the kill line is not broken prior to skid, two tests will be performed.

- 1) The void between the wellhead and the pipe rams

**6. Mud Program**

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Spur will use a closed mud system.

| Depth     |         | Type            | Weight (ppg) | Viscosity | Water Loss |
|-----------|---------|-----------------|--------------|-----------|------------|
| From (ft) | To (ft) |                 |              |           |            |
| 0         | 1075    | Water-Based Mud | 8.6-8.9      | 32-36     | N/C        |
| 1075      | 9747    | Water-Based Mud | 8.6-8.9      | 32-36     | N/C        |

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/PASON/Visual Monitoring |
|---------------------------------------------------------|-----------------------------|

## Spur Energy Partners LLC – Blalock 32 State Com 50H

### 7. Logging and Testing Procedures

| Logging, Coring and Testing. |                                                                                                                                                         |          |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Yes                          | Will run GR from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |          |
| No                           | Logs are planned based on well control or offset log information.                                                                                       |          |
| No                           | Drill stem test? If yes, explain                                                                                                                        |          |
| No                           | Coring? If yes, explain                                                                                                                                 |          |
| Additional logs planned      |                                                                                                                                                         | Interval |
| No                           | Resistivity                                                                                                                                             |          |
| No                           | Density                                                                                                                                                 |          |
| No                           | CBL                                                                                                                                                     |          |
| Yes                          | Mud log                                                                                                                                                 | SCP - TD |
| No                           | PEX                                                                                                                                                     |          |

### 8. Drilling Conditions

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

|                                                                                                                                                                                                                                                                                                                                                              |                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Hydrogen Sulfide (H <sub>2</sub> S) monitors will be installed prior to drilling out the surface shoe. If H <sub>2</sub> S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM. |                                |
| N                                                                                                                                                                                                                                                                                                                                                            | H <sub>2</sub> S is present    |
| Y                                                                                                                                                                                                                                                                                                                                                            | H <sub>2</sub> S Plan attached |

**Total estimated cuttings volume:** 881.7 bbls.

**Spur Energy Partners LLC – Blalock 32 State Com 50H****9. Other facets of operation**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Yes/No</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Will more than one drilling rig be used for drilling operations? If yes, describe. Spur Energy Partners LLC. requests the option to contract a Surface Rig to drill, set surface/intermediate casing and cement for this well. If the timing between rigs is such that Spur Energy Partners LLC. would not be able to preset surface/intermediate the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig. | Yes           |

## Attachments

- ☒ Directional Plan  
☒ H2S Contingency Plan  
☒ Akita 57 Attachments  
☒ BOP Schematics  
☒ Transcend Spudder Rig Attachments

**10. Company Personnel**

| <b><u>Name</u></b> | <b><u>Title</u></b>              | <b><u>Office Phone</u></b> | <b><u>Mobile Phone</u></b> |
|--------------------|----------------------------------|----------------------------|----------------------------|
| Christopher Hollis | Drilling Manager                 | 832-930-8629               | 713-380-7754               |
| Johnny Nabors      | Senior Vice President Operations | 832-930-8502               | 281-904-8811               |



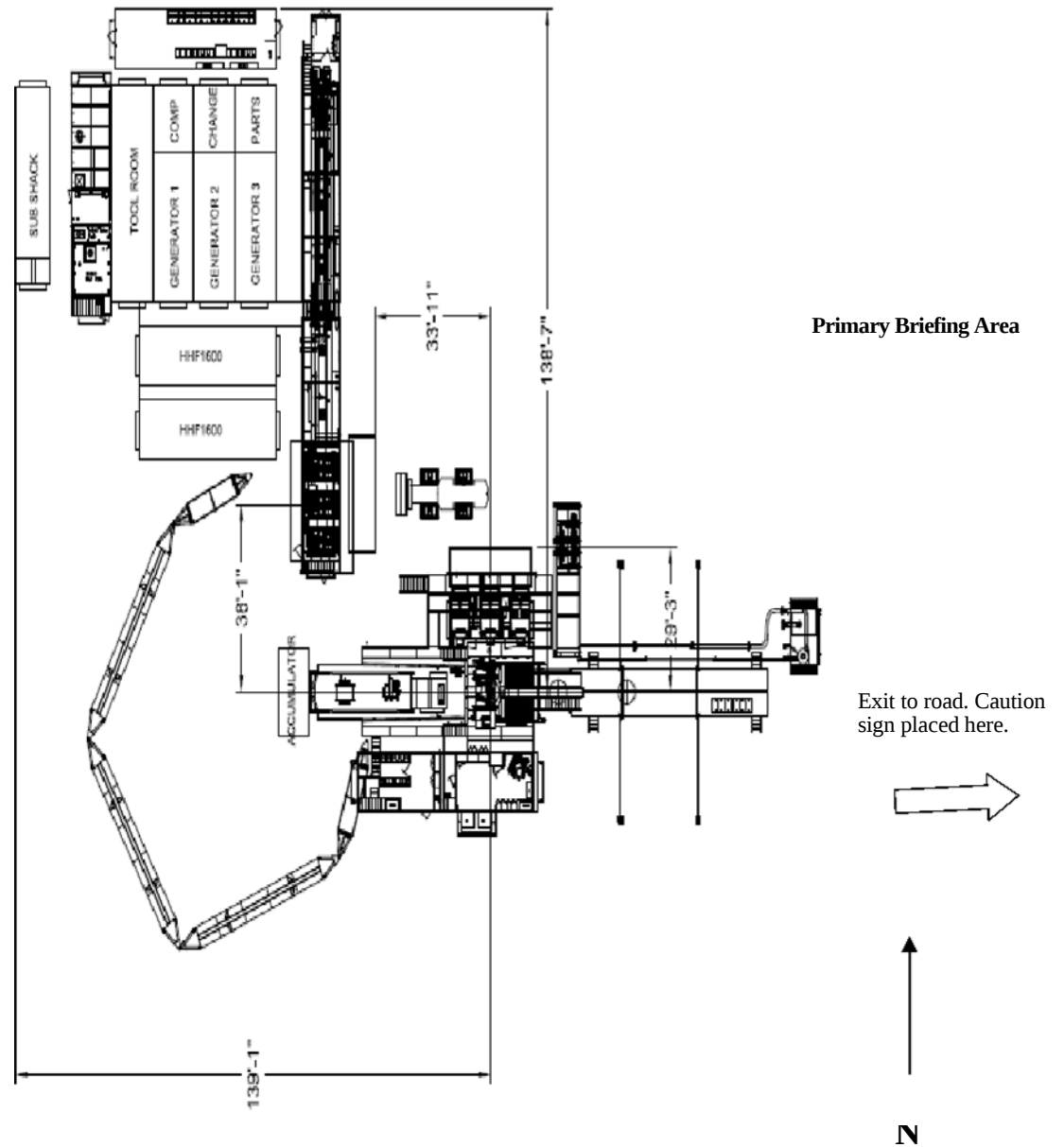
## **Permian Drilling Hydrogen Sulfide Drilling Operations Plan Blalock 32 State Com 50H**

Open drill site. No homes or buildings are near the proposed location.

### **1. Escape**

Personnel shall escape upwind of wellbore in the event of an emergency gas release. Escape can take place through the lease road on the Southeast side of the location. Personnel need to move to a safe distance and block the entrance to location. If the primary route is not an option due to the wind direction, then a secondary egress route should be taken.

Secondary Briefing Area



Secondary Egress

WIND: Prevailing winds are from the Southwest

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