

Form 3160-3  
(June 2015)FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER<br>1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other<br>1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                       | 5. Lease Serial No.<br><br>6. If Indian, Allottee or Tribe Name<br><br>7. If Unit or CA Agreement, Name and No.<br><br>8. Lease Name and Well No.<br><br>9. API Well No.<br><div style="color: red; text-align: center;">30-015-56424</div>                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
| 2. Name of Operator<br><br>3a. Address<br><br>3b. Phone No. (include area code)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       | 10. Field and Pool, or Exploratory<br><br>11. Sec., T. R. M. or Blk. and Survey or Area<br><br>12. County or Parish<br><br>13. State                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface<br>At proposed prod. zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       | 14. Distance in miles and direction from nearest town or post office*<br><br>15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)<br><br>16. No of acres in lease<br><br>17. Spacing Unit dedicated to this well<br><br>18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.<br><br>19. Proposed Depth<br><br>20. BLM/BIA Bond No. in file<br><br>21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br><br>22. Approximate date work will start*<br><br>23. Estimated duration |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
| 24. Attachments<br><br>The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)<br><br><table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;">           1. Well plat certified by a registered surveyor.<br/>           2. A Drilling Plan.<br/>           3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).         </td> <td style="width: 50%; vertical-align: top;">           4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).<br/>           5. Operator certification.<br/>           6. Such other site specific information and/or plans as may be requested by the BLM.         </td> </tr> </table> |                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1. Well plat certified by a registered surveyor.<br>2. A Drilling Plan.<br>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).<br>5. Operator certification.<br>6. Such other site specific information and/or plans as may be requested by the BLM. |
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| 25. Signature<br><br>Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                       | Name (Printed/Typed)<br><br>Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
| Approved by (Signature)<br><br>Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       | Name (Printed/Typed)<br><br>Office<br><br>Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.<br>2. A Drilling Plan.<br>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).<br>5. Operator certification.<br>6. Such other site specific information and/or plans as may be requested by the BLM. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                            |                                    |                  |
|----------------------------|------------------------------------|------------------|
| 25. Signature<br><br>Title | Name (Printed/Typed)<br><br>Office | Date<br><br>Date |
|----------------------------|------------------------------------|------------------|

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
 Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)



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

WELL LOCATION INFORMATION

|                                                                                                                                                        |                                            |                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br>30-015-56424                                                                                                                             | Pool Code<br>96830 96830                   | Pool Name<br>Artesia; Glorieta-Yeso (O)<br>RED LAKE; GLORIETA-YESO, NORTHEAST                                                                                     |
| Property Code<br>337174                                                                                                                                | Property Name<br>SMITHDALE 29 FEDERAL COM  | Well Number<br>70H                                                                                                                                                |
| OGRID No.<br>328947                                                                                                                                    | Operator Name<br>SPUR ENERGY PARTNERS LLC. | Ground Level Elevation<br>3612'                                                                                                                                   |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                            | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

Surface Location

|         |               |                 |              |     |                          |                         |                          |                            |                |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|
| UL<br>I | Section<br>30 | Township<br>17S | Range<br>28E | Lot | Ft. from N/S<br>1602 FSL | Ft. from E/W<br>762 FEL | Latitude<br>32.8022512°N | Longitude<br>104.2088679°W | County<br>EDDY |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|

Bottom Hole Location

|         |               |                 |              |     |                          |                        |                          |                            |                |
|---------|---------------|-----------------|--------------|-----|--------------------------|------------------------|--------------------------|----------------------------|----------------|
| UL<br>I | Section<br>29 | Township<br>17S | Range<br>28E | Lot | Ft. from N/S<br>2150 FSL | Ft. from E/W<br>50 FEL | Latitude<br>32.8039857°N | Longitude<br>104.1895391°W | County<br>EDDY |
|---------|---------------|-----------------|--------------|-----|--------------------------|------------------------|--------------------------|----------------------------|----------------|

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

Kick Off Point (KOP)

|         |               |                 |              |     |                          |                         |                          |                            |                |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|
| UL<br>I | Section<br>30 | Township<br>17S | Range<br>28E | Lot | Ft. from N/S<br>2046 FSL | Ft. from E/W<br>820 FEL | Latitude<br>32.8034698°N | Longitude<br>104.2090429°W | County<br>EDDY |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|

First Take Point (FTP)

|         |               |                 |              |     |                          |                         |                          |                            |                |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|
| UL<br>L | Section<br>29 | Township<br>17S | Range<br>28E | Lot | Ft. from N/S<br>2150 FSL | Ft. from E/W<br>100 FWL | Latitude<br>32.8037722°N | Longitude<br>104.2060484°W | County<br>EDDY |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|

Last Take Point (LTP)

|         |               |                 |              |     |                          |                         |                          |                            |                |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|
| UL<br>I | Section<br>29 | Township<br>17S | Range<br>28E | Lot | Ft. from N/S<br>2150 FSL | Ft. from E/W<br>100 FEL | Latitude<br>32.8039836°N | Longitude<br>104.1897018°W | County<br>EDDY |
|---------|---------------|-----------------|--------------|-----|--------------------------|-------------------------|--------------------------|----------------------------|----------------|

|                                                |                                                                                                    |                                     |
|------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|
| Unitized Area or Area of Uniform Interest<br>Y | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation:<br>3612' GF |
|------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|

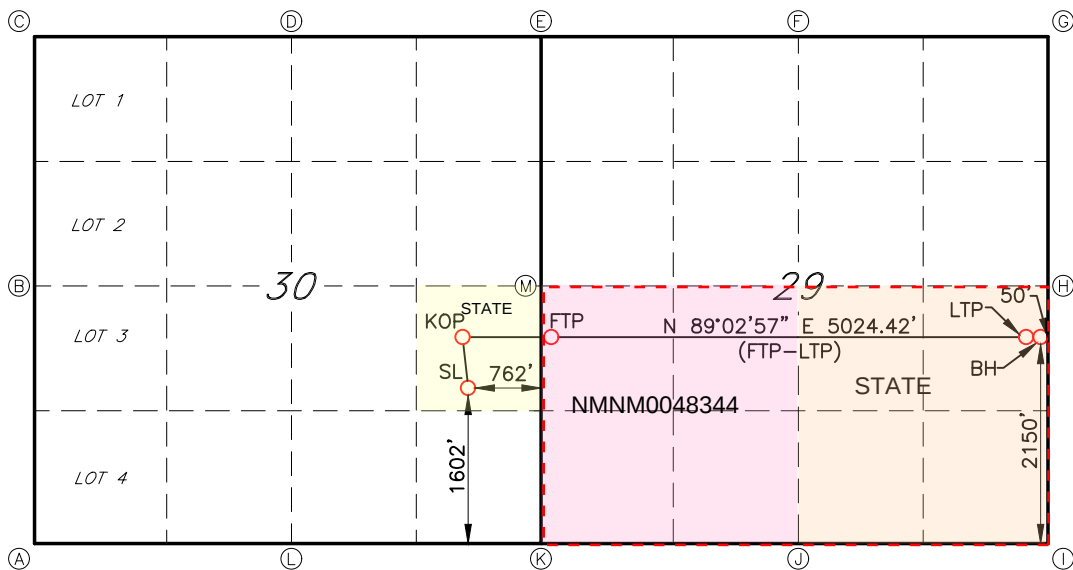
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>OPERATOR CERTIFICATIONS</b><br><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and , if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><br><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i><br><br><i>Sarah Chapman</i> 01/06/2025<br>Signature Date<br><br>SARAH CHAPMAN<br>Printed Name<br>SCHAPMAN@SPURENERGY.COM<br>Email Address |  | <b>SURVEYOR CERTIFICATIONS</b><br><br><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i><br><br><br>Signature and Seal of Professional Surveyor<br><br>Certificate Number<br>14400<br>Date of Survey<br>10/31/2024 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

# ACREAGE DEDICATION PLATS

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

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

## SMITHDALE 29 FEDERAL COM #70H



GEODETIC DATA  
NAD 83 GRID - NM EAST  
SURFACE LOCATION (SL)  
N: 655614.0 - E: 579580.6

LAT: 32.8022512° N  
LONG: 104.2088679° W

KICK OFF POINT (KOP)  
2046' FSL & 820' FEL (SEC.30)  
N: 656057.2 - E: 579526.3

LAT: 32.8034698° N  
LONG: 104.2090429° W

FIRST TAKE POINT (FTP)  
2150' FSL & 100' FWL (SEC.29)  
N: 656168.3 - E: 580446.3

LAT: 32.8037722° N  
LONG: 104.2060484° W

LAST TAKE POINT (LTP)  
2150' FSL & 100' FWL (SEC.29)  
N: 656251.7 - E: 585468.7

LAT: 32.8039836° N  
LONG: 104.1897018° W

BOTTOM HOLE (BH)  
N: 656252.5 - E: 585518.7

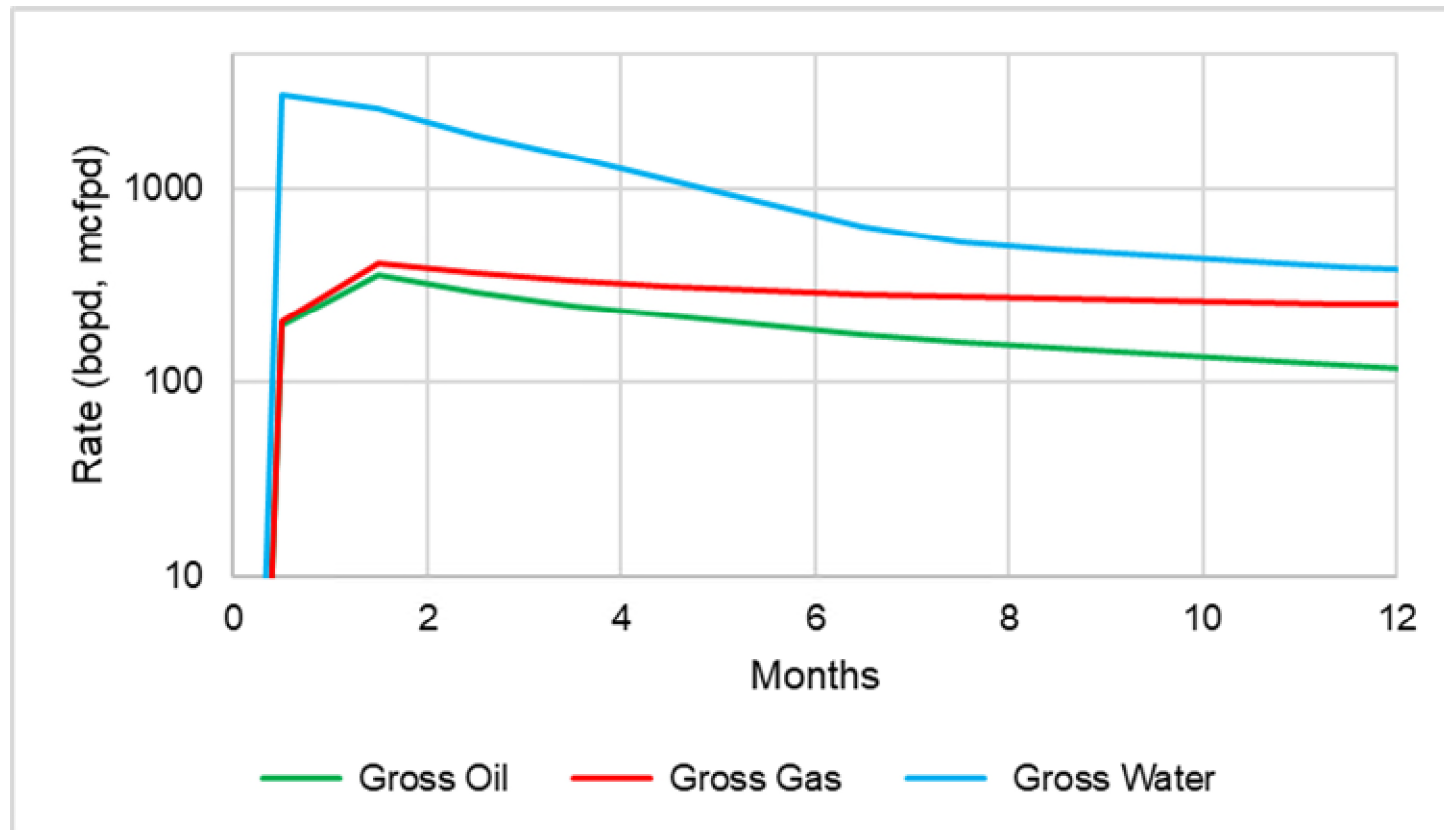
LAT: 32.8039857° N  
LONG: 104.1895391° W

### CORNER DATA NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1941"  
N: 653983.4 - E: 575058.5  
B: FOUND BRASS CAP "1941"  
N: 656625.0 - E: 575043.2  
C: FOUND BRASS CAP "1941"  
N: 659266.3 - E: 575026.6  
D: FOUND BRASS CAP "1941"  
N: 659287.7 - E: 577748.5  
E: FOUND BRASS CAP "1941"  
N: 659309.9 - E: 580369.6  
F: FOUND BRASS CAP "1941"  
N: 659304.4 - E: 582986.4  
G: FOUND BRASS CAP "1941"  
N: 659297.8 - E: 585602.6  
H: FOUND BRASS CAP "1941"  
N: 656702.1 - E: 585573.1  
I: FOUND BRASS CAP "1941"  
N: 654104.0 - E: 585547.5  
J: FOUND BRASS CAP "1941"  
N: 654060.8 - E: 582941.9  
K: FOUND BRASS CAP "1941"  
N: 654017.3 - E: 580331.9  
L: FOUND BRASS CAP "1941"  
N: 653999.6 - E: 577752.7  
M: FOUND BRASS CAP "1941"  
N: 656663.6 - E: 580349.6



Loco Hills Blinebry Type Curve



State of New Mexico  
Energy, Minerals and Natural Resources Department

Submit Electronically  
Via E-permitting

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

## 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:** 01/06/2025

**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 |
|------------------------------|---------|--------------|--------------------|-----------------------|-----------------------|----------------------------------|
| SMITHDALE 29 FEDERAL COM 50H | 30-015- | I-30-17S-28E | 1586' FSL 726' FEL | 417 BBL/D             | 671 MCF/D             | 1669 BBL/D                       |
| SMITHDALE 29 FEDERAL COM 70H | 30-015- | I-30-17S-28E | 1602' FSL 762' FEL | 417 BBL/D             | 671 MCF/D             | 1669 BBL/D                       |
| SMITHDALE 29 FEDERAL COM 71H | 30-015- | I-30-17S-28E | 1570' FSL 689' FEL | 417 BBL/D             | 671 MCF/D             | 1669 BBL/D                       |
| SMITHDALE 29 FEDERAL COM 90H | 30-015- | I-30-17S-28E | 1594' FSL 744' FEL | 323 BBL/D             | 329 MCF/D             | 1291 BBL/D                       |
| SMITHDALE 29 FEDERAL COM 91H | 30-015- | I-30-17S-28E | 1578' FSL 707' FEL | 323 BBL/D             | 329 MCF/D             | 1291 BBL/D                       |

**IV. Central Delivery Point Name:** SMITHDALE 29 FEDERAL 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 |
|------------------------------|---------|------------|-----------------|------------------------------|------------------------|-----------------------|
| SMITHDALE 29 FEDERAL COM 50H | 30-015- | 09/28/2025 | 10/04/2025      | 11/06/2025                   | 11/20/2025             | 12/05/2025            |
| SMITHDALE 29 FEDERAL COM 70H | 30-015- | 10/04/2025 | 10/10/2025      | 11/06/2025                   | 11/20/2025             | 12/05/2025            |
| SMITHDALE 29 FEDERAL COM 71H | 30-015- | 10/10/2025 | 10/16/2025      | 11/06/2025                   | 11/20/2025             | 12/05/2025            |
| SMITHDALE 29 FEDERAL COM 90H | 30-015- | 10/16/2025 | 10/22/2025      | 11/06/2025                   | 11/20/2025             | 12/05/2025            |
| SMITHDALE 29 FEDERAL COM 91H | 30-015- | 10/22/2025 | 10/28/2025      | 11/06/2025                   | 11/20/2025             | 12/05/2025            |

**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@SPURENERGY.COM |
| Date:                                                                                     | 01/06/2025              |
| Phone:                                                                                    | 832-930-8613            |
| <b>OIL CONSERVATION DIVISION</b><br>(Only applicable when submitted as a standalone form) |                         |
| Approved By:                                                                              |                         |
| Title:                                                                                    |                         |
| Approval Date:                                                                            |                         |
| Conditions of Approval:                                                                   |                         |



## Natural Gas Management Plan – Attachment

VI. Separation equipment will be sized by construction engineering staff based on anticipated daily production to ensure adequate capacity.

VII. Spur Energy Partners LLC ("Spur") will take the following actions to comply with the regulations listed in 19.15.27.8:

- A. Spur will maximize the recovery of natural gas by minimizing waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. Spur will ensure that our wells will be connected to a natural gas gathering system with sufficient capacity to transport natural gas.
- B. All drilling operations will be equipped with a rig flare at least 100 feet from the nearest surface hole location. Rig flare will be utilized to combust any natural gas that is brought to surface during normal operations. In the case of emergency, flaring volumes will be reported appropriately.
- C. During completion operations any natural gas brought to surface will be flared. Immediately following completion operations, wells will flow to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. If natural gas does not meet gathering pipeline specifications, Spur will flare for 60 days or until natural gas meets the pipeline specifications. Spur will ensure flare is properly sized and is equipped with an automatic igniter or continuous pilot. Gas samples will be taken twice per week and natural gas will be routed into a gathering system as soon as the pipeline specifications are met.
- D. Natural gas will not be flared with the exception of 19.15.27.8(D)(1-4). If there is no adequate takeaway for the separator gas, wells will be shut-in until that natural gas gathering system is available with exception of emergency or malfunction situations. Volumes will be reported appropriately.
- E. Spur will comply with performance standards pursuant to 19.15.27.8(E)(1-8). All equipment will be designed and sized to handle maximum pressures to minimize waste. Storage tanks constructed after May 25, 2021 will be equipped with an automatic gauging system that reduces venting of natural gas. Flare stacks installed or replaced after May 25, 2021 will be equipped with an automatic igniter or continuous pilot. Spur will conduct AVO inspections as described in 19.15.27.8(E)(5)(a) with frequencies specified in 19.15.27.8(E)(5)(b) and (c). All emergencies or malfunctions will be resolved as quickly and safely as possible to minimize waste.
- F. The volume of natural gas that is vented or flared as the result of an emergency or malfunction during drilling and/or completion operations will be estimated and reported accordingly. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured and reported accordingly. Spur will install equipment to measure the volume of natural gas flared from existing piping or a flowline piped from equipment such as high-pressure separators, heater treaters, or VRUs associated with a well or facility associated with a well authorized by an APD after May 25, 2021 that has an average daily production of less than 60,000 cubic feet of natural gas. If metering is not practicable due to circumstances such as low flow rate or low pressure venting or flaring, Spur will estimate the volume of flared or vented natural gas. Measuring equipment will conform to industry standards and will not be equipped with a manifold



that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing equipment.

VIII. For maintenance activities involving production equipment and compression, venting be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production equipment, the associated producing wells will be shut-in to eliminate venting. For maintenance of VRUs, all natural gas normally routed to the VRU will be routed to flare.

## Spur Energy Partners LLC – Smithdale 29 Federal Com 70H

### 1. Geologic Formations

|               |        |
|---------------|--------|
| TVD of Target | 4,335' |
| MD at TD      | 9,758' |

| Formation    | Depth | Lithology                             | Expected Fluids  |
|--------------|-------|---------------------------------------|------------------|
| Quaternary   | 0'    | Dolomite, other: Caliche              | Useable Water    |
| Tansill      | 195'  | Sandstone, Dolomite                   | None             |
| Yates        | 285'  | Dolomite, Limestone, Shale, Siltstone | None             |
| Seven Rivers | 530'  | Dolomite, Limestone                   | Natural Gas, Oil |
| Queen        | 1085' | Anhydrite, Dolomite, Sandstone        | Natural Gas, Oil |
| Penrose      | 1265' | Dolomite, Sandstone                   | Natural Gas, Oil |
| Grayburg     | 1530' | Anhydrite                             | Natural Gas, Oil |
| San Andres   | 1810' | Dolomite                              | Natural Gas, Oil |
| Glorieta     | 3190' | Dolomite, Siltstone                   | Natural Gas, Oil |
| Paddock      | 3290' | Dolomite, Limestone                   | Natural Gas, Oil |
| Blinberry    | 3785' | Dolomite, Limestone                   | Natural Gas, Oil |
| Tubb         | 4725' | 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<br>(lbs) | Grade | Conn. | SF       | SF Burst | Body SF | Joint SF |
|-------------------------------------|----------------|-----------------|---------|-------------------|-----------------|-------|-------|----------|----------|---------|----------|
|                                     |                | From (ft)       | To (ft) |                   |                 |       |       | Collapse |          | Tension | Tension  |
| San Andres                          | 12.25          | 0               | 1000    | 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            | 9758    | 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 – Smithdale 29 Federal Com 70H**

|                                                                                                                                                  | 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?                                                                                               |        |
| 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      | 1000        | 100%     |
| Production (Lead) | 0        | 3450        | 100%     |
| Production (Tail) | 3450     | 9758        | 25%      |

| Casing String     | # Sks | Wt.<br>(lb/gal) | Yld<br>(ft3/sack) | H2O<br>(gal/sk) | 500# Comp.<br>Strength<br>(hours) | Slurry Description         |
|-------------------|-------|-----------------|-------------------|-----------------|-----------------------------------|----------------------------|
| Surface (Lead)    | 259   | 12              | 2.4               | 13.48           | 08:12                             | Clas C Premium Plus Cement |
| Surface (Tail)    | 27    | 13.2            | 1.87              | 9.92            | 06:59                             | Clas C Premium Plus Cement |
| Production (Lead) | 374   | 11.4            | 2.42              | 15.29           | N/A                               | Clas C Premium Plus Cement |
| Production (Tail) | 1199  | 13.2            | 1.56              | 9.81            | N/A                               | Clas C Premium Plus Cement |

**Spur Energy Partners LLC – Smithdale 29 Federal Com 70H****4. Pressure Control Equipment****\*Spur Energy Partners LLC variance for flex hose\***

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    | 2007 psi                     |
| Abnormal Temperature          | No                           |
| BH Temperature at deepest TVD | 115°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. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Spur Energy Partners LLC – Smithdale 29 Federal Com 70H**

|   |                                                                                                                                                                                                                                                                                                              |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y | Are anchors required by manufacturer?                                                                                                                                                                                                                                                                        |
|   | 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 follows:

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         | 1000    | Water-Based Mud | 8.6-8.9      | 32-36     | N/C        |
| 1000      | 9758    | 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 – Smithdale 29 Federal Com 70H

### 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:** 871.5 bbls.

**Spur Energy Partners LLC – Smithdale 29 Federal Com 70H****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 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, 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

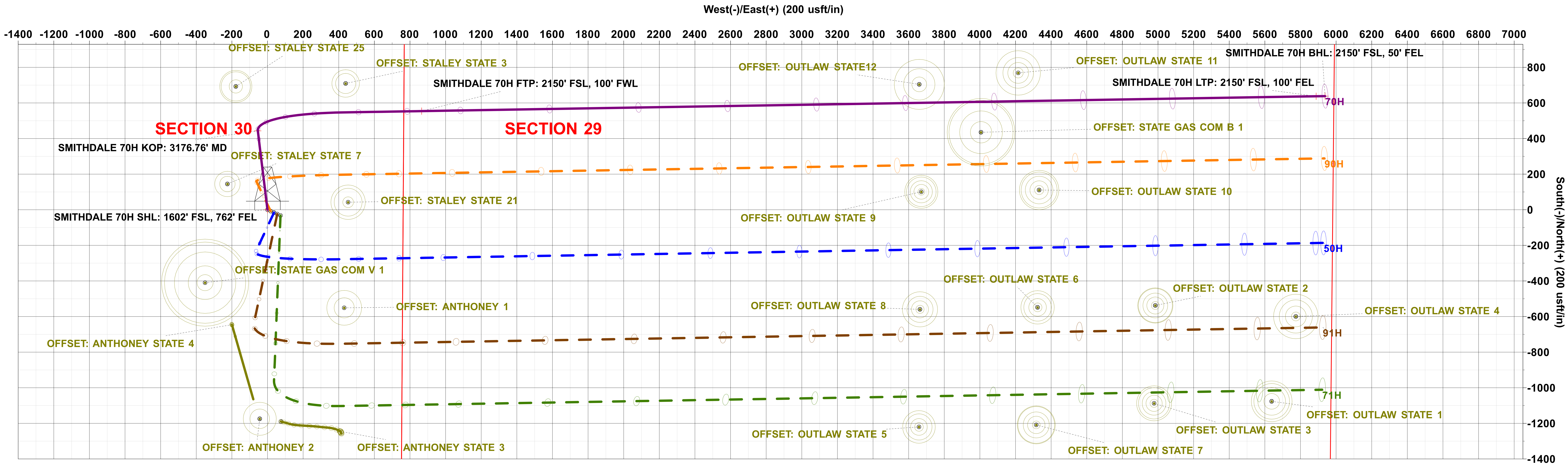
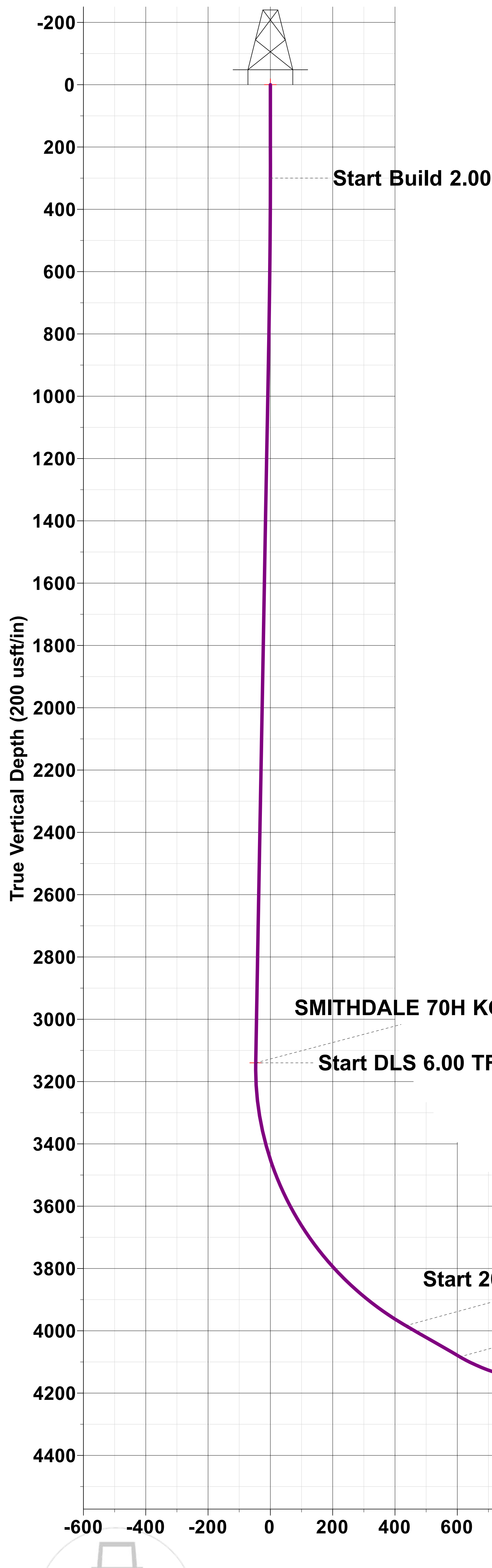
- ☒ Directional Plan  
☒ H2S Contingency Plan  
☒ Akita 57 Attachments  
☒ BOP Schematics  
☒ Transcend Spudder Rig Attachments

**10. Company Personnel**

| <b>Name</b>        | <b>Title</b>        | <b>Office Phone</b> | <b>Mobile Phone</b> |
|--------------------|---------------------|---------------------|---------------------|
| Christopher Hollis | D&C Manager         | 832-930-8629        | 713-380-7754        |
| Ryan Barber        | Senior D&C Engineer | 832-930-8502        | 832-544-9267        |
| Johnny Nabors      | EVP Operations      | 832-930-8502        | 281-904-8811        |



Project: EDDY COUNTY, NM (NAD 83 - NME)  
Site: SMITHDALE 29 FEDERAL  
Well: 70H  
Wellbore: OH  
Design: PERMIT



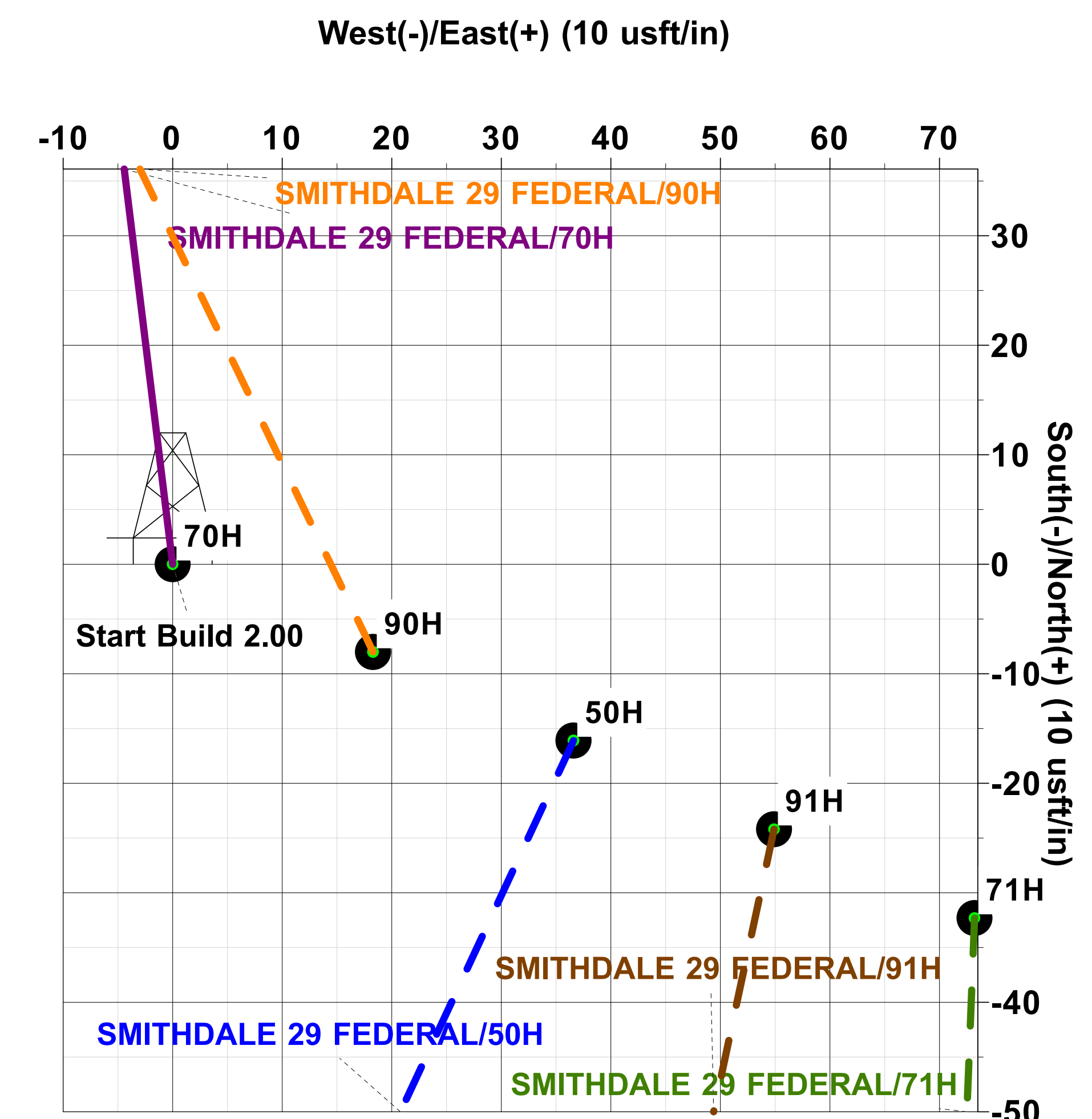
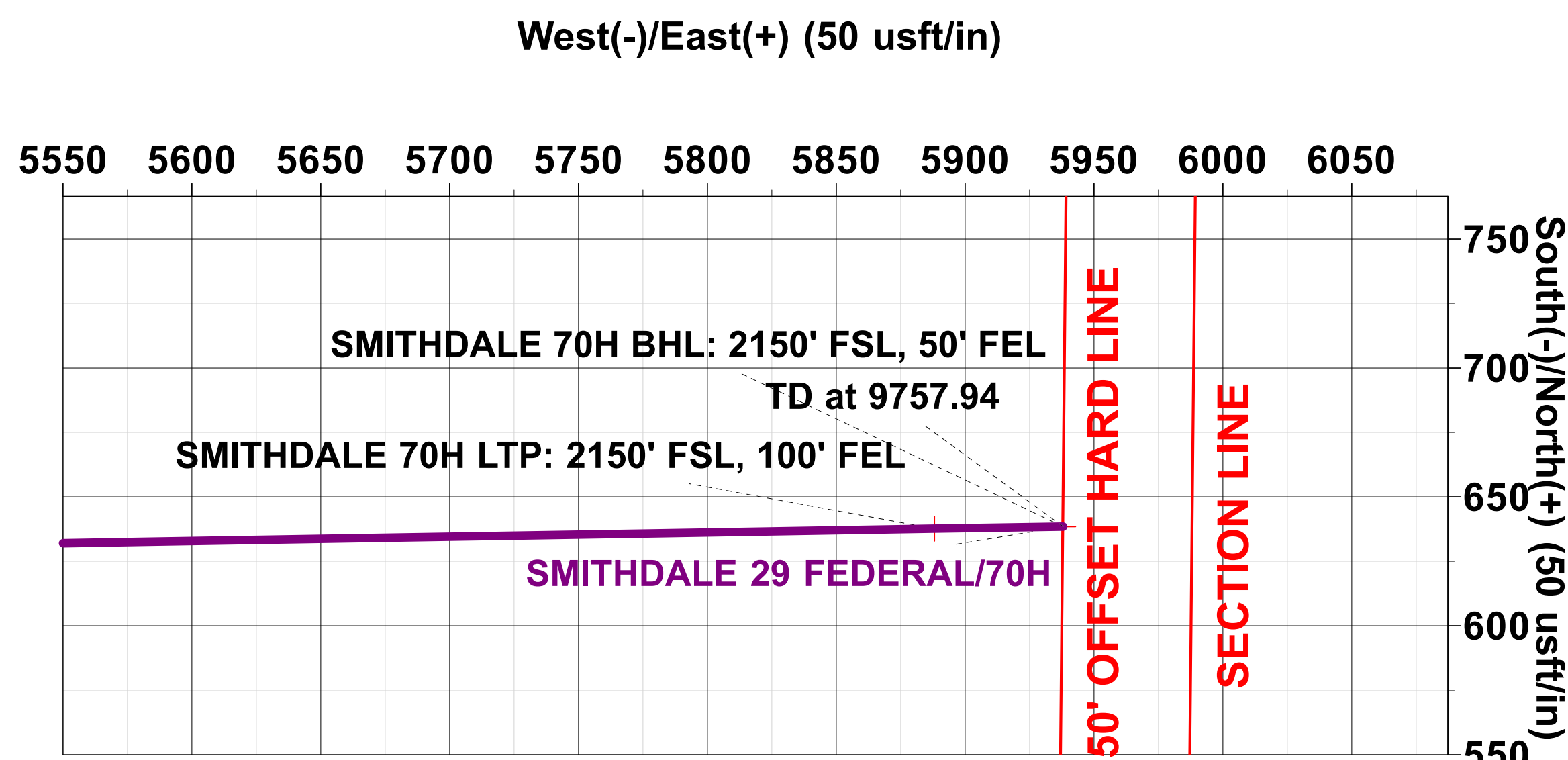
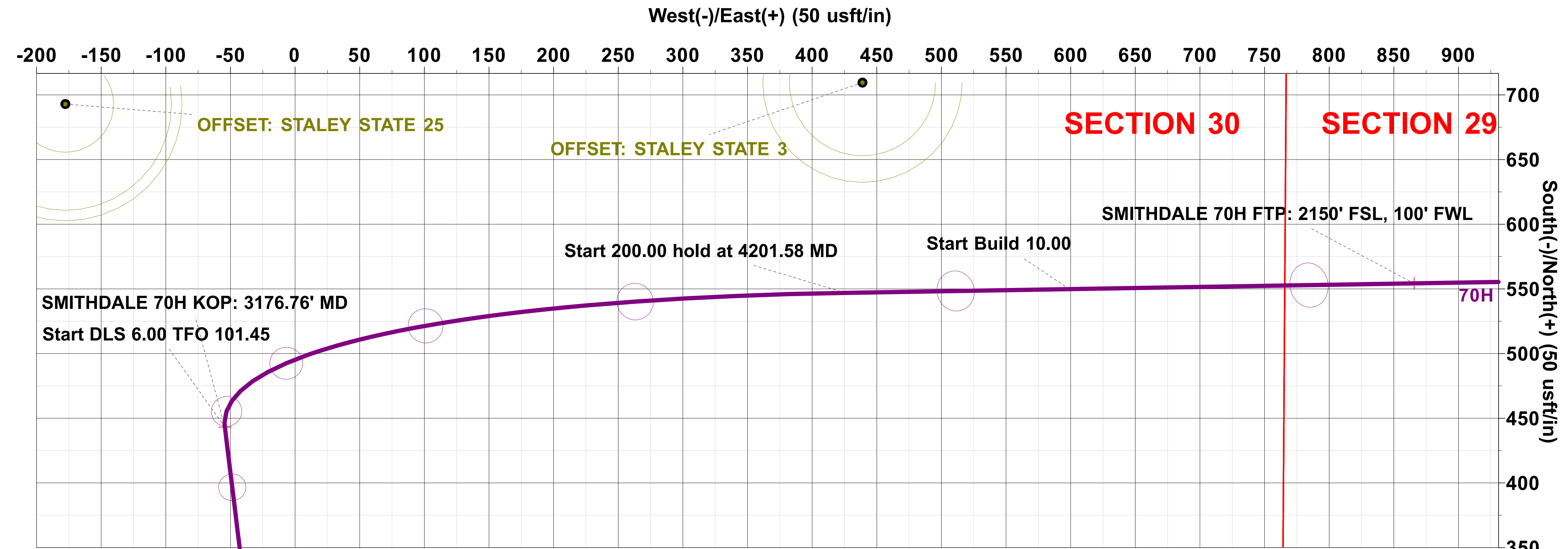
| WELL DETAILS: 70H |  |          |  |                                    |  |  |
|-------------------|--|----------|--|------------------------------------|--|--|
| Rig Name:         |  | AKITA 57 |  | RKB = 20' @ 3632.00usft (AKITA 57) |  |  |
|                   |  |          |  | 3612.00                            |  |  |
|                   |  |          |  | Easting                            |  |  |
|                   |  |          |  | 579580.60                          |  |  |
|                   |  |          |  | Latitude                           |  |  |
|                   |  |          |  | 32.80225                           |  |  |
|                   |  |          |  | Longitude                          |  |  |
|                   |  |          |  | -104.20887                         |  |  |

| SECTION DETAILS |         |       |        |         |        |         |       |         |
|-----------------|---------|-------|--------|---------|--------|---------|-------|---------|
| Sec             | MD      | Inc   | Azi    | TVD     | +N/-S  | +E/-W   | Dleg  | VSect   |
| 1               | 0.00    | 0.00  | 0.00   | 0.00    | 0.00   | 0.00    | 0.00  | 0.00    |
| 2               | 300.00  | 0.00  | 0.00   | 300.00  | 0.00   | 0.00    | 0.00  | 0.00    |
| 3               | 788.16  | 9.76  | 353.02 | 785.80  | 41.18  | -5.04   | 2.00  | -4.36   |
| 4               | 3176.76 | 9.76  | 353.02 | 3139.80 | 443.23 | -54.30  | 0.00  | -46.94  |
| 5               | 4201.58 | 60.00 | 89.05  | 3983.58 | 547.00 | 425.83  | 6.00  | 434.84  |
| 6               | 4401.58 | 60.00 | 89.05  | 4083.58 | 549.87 | 599.01  | 0.00  | 608.05  |
| 7               | 4681.82 | 88.02 | 89.05  | 4160.00 | 554.30 | 865.70  | 10.00 | 874.77  |
| 8               | 9707.90 | 88.02 | 89.05  | 4333.27 | 637.67 | 5888.10 | 0.00  | 5897.86 |
| 9               | 9757.94 | 88.02 | 89.05  | 4335.00 | 638.50 | 5938.10 | 0.00  | 5947.87 |

| DESIGN TARGET DETAILS                  |         |        |         |           |           |
|----------------------------------------|---------|--------|---------|-----------|-----------|
| Name                                   | TVD     | +N/-S  | +E/-W   | Northing  | Easting   |
| SMITHDALE 70H BHL: 2150' FSL, 50' FEL  | 4335.00 | 638.50 | 5938.10 | 656252.50 | 585518.70 |
| SMITHDALE 70H FTP: 2150' FSL, 100' FWL | 4160.00 | 554.30 | 865.70  | 656168.30 | 580446.30 |
| SMITHDALE 70H KOP: 3176.76' MD         | 3139.80 | 443.23 | -54.30  | 656057.23 | 579526.30 |
| SMITHDALE 70H LTP: 2150' FSL, 100' FEL | 4333.27 | 637.70 | 5888.10 | 656251.70 | 585468.70 |
| SMITHDALE 70H SHL: 1602' FSL, 762' FEL | 0.00    | 0.00   | 0.00    | 655614.00 | 579580.60 |

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



Plan: PERMIT (70H/OH)

Created By: PROTOTYPE WELL PLANNING / Date: 7:12, December 18 2024

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# **SPUR ENERGY PARTNERS, LLC**

**EDDY COUNTY, NM (NAD 83 - NME)**

**SMITHDALE 29 FEDERAL**

**70H**

**OH**

**Plan: PERMIT**

## **Standard Planning Report**

**17 December, 2024**

Planning Report

|           |                                |                              |                                    |
|-----------|--------------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.17 Single User Db     | Local Co-ordinate Reference: | Well 70H                           |
| Company:  | SPUR ENERGY PARTNERS, LLC      | TVD Reference:               | RKB = 20' @ 3632.00usft (AKITA 57) |
| Project:  | EDDY COUNTY, NM (NAD 83 - NME) | MD Reference:                | RKB = 20' @ 3632.00usft (AKITA 57) |
| Site:     | SMITHDALE 29 FEDERAL           | North Reference:             | Grid                               |
| Well:     | 70H                            | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                             |                              |                                    |
| Design:   | PERMIT                         |                              |                                    |

|             |                                |               |                |
|-------------|--------------------------------|---------------|----------------|
| Project     | EDDY COUNTY, NM (NAD 83 - NME) |               |                |
| Map System: | US State Plane 1983            | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983      |               |                |
| Map Zone:   | New Mexico Eastern Zone        |               |                |

|                      |       |           |                     |                 |
|----------------------|-------|-----------|---------------------|-----------------|
| Well                 | 70H   |           |                     |                 |
| Well Position        | +N/-S | 0.00 usft | Northing:           | 655,614.00 usft |
|                      | +E/-W | 0.00 usft | Easting:            | 579,580.60 usft |
| Position Uncertainty |       | 0.00 usft | Wellhead Elevation: | usft            |
| Grid Convergence:    |       | 0.07 °    | Ground Level:       | 3,612.00 usft   |

|                   |                            |                 |                 |                  |
|-------------------|----------------------------|-----------------|-----------------|------------------|
| Design            | PERMIT                     |                 |                 |                  |
| Audit Notes:      |                            |                 |                 |                  |
| Version:          | Phase:                     | PLAN            | Tie On Depth:   | 0.00             |
| Vertical Section: | Depth From (TVD)<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Direction<br>(°) |
|                   | 0.00                       | 0.00            | 0.00            | 89.05            |

|                          |                    |                      |                       |         |
|--------------------------|--------------------|----------------------|-----------------------|---------|
| Plan Survey Tool Program | Date               | 12/17/2024           |                       |         |
| Depth From<br>(usft)     | Depth To<br>(usft) | Survey (Wellbore)    | Tool Name             | Remarks |
| 1                        | 0.00               | 9,757.93 PERMIT (OH) | MWD+IFR1+SAG+FDIR     |         |
|                          |                    |                      | OWSG MWD + IFR1 + Sag |         |

|                             |                    |                |                             |                 |                 |                               |                              |                             |            |                 |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|-----------------|
| Plan Sections               |                    |                |                             |                 |                 |                               |                              |                             |            |                 |
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) | TFO<br>(°) | Target          |
| 0.00                        | 0.00               | 0.00           | 0.00                        | 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       |                 |
| 788.16                      | 9.76               | 353.02         | 785.80                      | 41.18           | -5.04           | 2.00                          | 2.00                         | 0.00                        | 353.02     |                 |
| 3,176.76                    | 9.76               | 353.02         | 3,139.80                    | 443.23          | -54.30          | 0.00                          | 0.00                         | 0.00                        | 0.00       |                 |
| 4,201.58                    | 60.00              | 89.05          | 3,983.58                    | 547.00          | 425.83          | 6.00                          | 4.90                         | 9.37                        | 101.45     |                 |
| 4,401.58                    | 60.00              | 89.05          | 4,083.58                    | 549.87          | 599.01          | 0.00                          | 0.00                         | 0.00                        | 0.00       |                 |
| 4,681.82                    | 88.02              | 89.05          | 4,160.00                    | 554.30          | 865.70          | 10.00                         | 10.00                        | 0.00                        | 0.00       | SMITHDALE 70H F |
| 9,707.90                    | 88.02              | 89.05          | 4,333.27                    | 637.67          | 5,888.10        | 0.00                          | 0.00                         | 0.00                        | 0.00       | SMITHDALE 70H L |
| 9,757.94                    | 88.02              | 89.05          | 4,335.00                    | 638.50          | 5,938.10        | 0.00                          | 0.00                         | 0.00                        | 0.00       | SMITHDALE 70H E |

## Planning Report

|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | EDM 5000.17 Single User Db     | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Company:</b>  | SPUR ENERGY PARTNERS, LLC      | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Project:</b>  | EDDY COUNTY, NM (NAD 83 - NME) | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site:</b>     | SMITHDALE 29 FEDERAL           | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                             |                                     |                                    |
| <b>Design:</b>   | PERMIT                         |                                     |                                    |

| Planned Survey                                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                         | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                                          | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>SMITHDALE 70H SHL: 1602' FSL, 762' 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            | 353.02      | 399.98                | 1.73         | -0.21        | -0.18                   | 2.00                    | 2.00                   | 0.00                  |
| 500.00                                        | 4.00            | 353.02      | 499.84                | 6.93         | -0.85        | -0.73                   | 2.00                    | 2.00                   | 0.00                  |
| 600.00                                        | 6.00            | 353.02      | 599.45                | 15.58        | -1.91        | -1.65                   | 2.00                    | 2.00                   | 0.00                  |
| 700.00                                        | 8.00            | 353.02      | 698.70                | 27.67        | -3.39        | -2.93                   | 2.00                    | 2.00                   | 0.00                  |
| 788.16                                        | 9.76            | 353.02      | 785.80                | 41.18        | -5.04        | -4.36                   | 2.00                    | 2.00                   | 0.00                  |
| 800.00                                        | 9.76            | 353.02      | 797.47                | 43.18        | -5.29        | -4.57                   | 0.00                    | 0.00                   | 0.00                  |
| 900.00                                        | 9.76            | 353.02      | 896.02                | 60.01        | -7.35        | -6.35                   | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00                                      | 9.76            | 353.02      | 994.57                | 76.84        | -9.41        | -8.14                   | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00                                      | 9.76            | 353.02      | 1,093.12              | 93.67        | -11.47       | -9.92                   | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00                                      | 9.76            | 353.02      | 1,191.68              | 110.50       | -13.54       | -11.70                  | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00                                      | 9.76            | 353.02      | 1,290.23              | 127.34       | -15.60       | -13.49                  | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00                                      | 9.76            | 353.02      | 1,388.78              | 144.17       | -17.66       | -15.27                  | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00                                      | 9.76            | 353.02      | 1,487.33              | 161.00       | -19.72       | -17.05                  | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00                                      | 9.76            | 353.02      | 1,585.88              | 177.83       | -21.78       | -18.83                  | 0.00                    | 0.00                   | 0.00                  |
| 1,700.00                                      | 9.76            | 353.02      | 1,684.43              | 194.66       | -23.85       | -20.62                  | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00                                      | 9.76            | 353.02      | 1,782.99              | 211.49       | -25.91       | -22.40                  | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00                                      | 9.76            | 353.02      | 1,881.54              | 228.33       | -27.97       | -24.18                  | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00                                      | 9.76            | 353.02      | 1,980.09              | 245.16       | -30.03       | -25.96                  | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00                                      | 9.76            | 353.02      | 2,078.64              | 261.99       | -32.09       | -27.75                  | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00                                      | 9.76            | 353.02      | 2,177.19              | 278.82       | -34.16       | -29.53                  | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00                                      | 9.76            | 353.02      | 2,275.75              | 295.65       | -36.22       | -31.31                  | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00                                      | 9.76            | 353.02      | 2,374.30              | 312.49       | -38.28       | -33.09                  | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00                                      | 9.76            | 353.02      | 2,472.85              | 329.32       | -40.34       | -34.88                  | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00                                      | 9.76            | 353.02      | 2,571.40              | 346.15       | -42.40       | -36.66                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00                                      | 9.76            | 353.02      | 2,669.95              | 362.98       | -44.46       | -38.44                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00                                      | 9.76            | 353.02      | 2,768.50              | 379.81       | -46.53       | -40.22                  | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00                                      | 9.76            | 353.02      | 2,867.06              | 396.65       | -48.59       | -42.01                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00                                      | 9.76            | 353.02      | 2,965.61              | 413.48       | -50.65       | -43.79                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00                                      | 9.76            | 353.02      | 3,064.16              | 430.31       | -52.71       | -45.57                  | 0.00                    | 0.00                   | 0.00                  |
| 3,176.75                                      | 9.76            | 353.02      | 3,139.80              | 443.23       | -54.30       | -46.94                  | 0.00                    | 0.00                   | 0.00                  |
| <b>SMITHDALE 70H KOP: 3176.76' MD</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,200.00                                      | 9.58            | 1.25        | 3,162.72              | 447.12       | -54.49       | -47.07                  | 6.00                    | -0.77                  | 35.44                 |
| 3,250.00                                      | 9.87            | 19.00       | 3,212.01              | 455.33       | -53.01       | -45.45                  | 6.00                    | 0.57                   | 35.49                 |
| 3,300.00                                      | 10.99           | 34.44       | 3,261.19              | 463.32       | -48.91       | -41.23                  | 6.00                    | 2.24                   | 30.87                 |
| 3,350.00                                      | 12.73           | 46.38       | 3,310.13              | 471.05       | -42.23       | -34.41                  | 6.00                    | 3.48                   | 23.90                 |
| 3,400.00                                      | 14.87           | 55.23       | 3,358.69              | 478.51       | -32.97       | -25.03                  | 6.00                    | 4.28                   | 17.70                 |
| 3,450.00                                      | 17.26           | 61.79       | 3,406.74              | 485.68       | -21.16       | -13.10                  | 6.00                    | 4.79                   | 13.12                 |
| 3,500.00                                      | 19.82           | 66.75       | 3,454.14              | 492.54       | -6.83        | 1.34                    | 6.00                    | 5.11                   | 9.92                  |
| 3,550.00                                      | 22.48           | 70.60       | 3,500.77              | 499.06       | 9.98         | 18.25                   | 6.00                    | 5.32                   | 7.70                  |
| 3,600.00                                      | 25.21           | 73.66       | 3,546.50              | 505.23       | 29.22        | 37.59                   | 6.00                    | 5.47                   | 6.12                  |
| 3,650.00                                      | 28.00           | 76.15       | 3,591.20              | 511.04       | 50.84        | 59.30                   | 6.00                    | 5.57                   | 4.99                  |
| 3,700.00                                      | 30.82           | 78.22       | 3,634.76              | 516.46       | 74.78        | 83.33                   | 6.00                    | 5.65                   | 4.15                  |
| 3,750.00                                      | 33.67           | 79.98       | 3,677.04              | 521.49       | 100.97       | 109.60                  | 6.00                    | 5.70                   | 3.51                  |
| 3,800.00                                      | 36.54           | 81.49       | 3,717.94              | 526.11       | 129.35       | 138.05                  | 6.00                    | 5.74                   | 3.02                  |
| 3,850.00                                      | 39.43           | 82.81       | 3,757.35              | 530.30       | 159.83       | 168.60                  | 6.00                    | 5.78                   | 2.64                  |
| 3,900.00                                      | 42.33           | 83.97       | 3,795.15              | 534.06       | 192.33       | 201.16                  | 6.00                    | 5.80                   | 2.33                  |
| 3,950.00                                      | 45.24           | 85.01       | 3,831.24              | 537.37       | 226.77       | 235.65                  | 6.00                    | 5.82                   | 2.08                  |
| 4,000.00                                      | 48.17           | 85.96       | 3,865.52              | 540.23       | 263.04       | 271.97                  | 6.00                    | 5.84                   | 1.88                  |
| 4,050.00                                      | 51.09           | 86.81       | 3,897.91              | 542.62       | 301.06       | 310.01                  | 6.00                    | 5.86                   | 1.72                  |

## Planning Report

|                  |                                |                                     |                                    |
|------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | EDM 5000.17 Single User Db     | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Company:</b>  | SPUR ENERGY PARTNERS, LLC      | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Project:</b>  | EDDY COUNTY, NM (NAD 83 - NME) | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site:</b>     | SMITHDALE 29 FEDERAL           | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                             |                                     |                                    |
| <b>Design:</b>   | PERMIT                         |                                     |                                    |

| Planned Survey                         |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
|----------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(usft)            | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 4,100.00                               | 54.03              | 87.61          | 3,928.30                    | 544.55          | 340.71          | 349.69                        | 6.00                          | 5.87                         | 1.58                        |  |
| 4,150.00                               | 56.96              | 88.34          | 3,956.62                    | 546.00          | 381.88          | 390.88                        | 6.00                          | 5.88                         | 1.47                        |  |
| 4,201.58                               | 60.00              | 89.05          | 3,983.58                    | 547.00          | 425.83          | 434.84                        | 6.00                          | 5.88                         | 1.37                        |  |
| 4,300.00                               | 60.00              | 89.05          | 4,032.79                    | 548.41          | 511.06          | 520.08                        | 0.00                          | 0.00                         | 0.00                        |  |
| 4,401.58                               | 60.00              | 89.05          | 4,083.58                    | 549.87          | 599.01          | 608.05                        | 0.00                          | 0.00                         | 0.00                        |  |
| 4,450.00                               | 64.84              | 89.05          | 4,105.99                    | 550.59          | 641.91          | 650.95                        | 10.00                         | 10.00                        | 0.00                        |  |
| 4,500.00                               | 69.84              | 89.05          | 4,125.25                    | 551.35          | 688.03          | 697.08                        | 10.00                         | 10.00                        | 0.00                        |  |
| 4,550.00                               | 74.84              | 89.05          | 4,140.41                    | 552.14          | 735.66          | 744.71                        | 10.00                         | 10.00                        | 0.00                        |  |
| 4,600.00                               | 79.84              | 89.05          | 4,151.36                    | 552.95          | 784.42          | 793.48                        | 10.00                         | 10.00                        | 0.00                        |  |
| 4,650.00                               | 84.84              | 89.05          | 4,158.02                    | 553.77          | 833.95          | 843.02                        | 10.00                         | 10.00                        | 0.00                        |  |
| 4,681.82                               | 88.02              | 89.05          | 4,160.00                    | 554.30          | 865.70          | 874.77                        | 10.00                         | 10.00                        | 0.00                        |  |
| SMITHDALE 70H FTP: 2150' FSL, 100' FWL |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 4,700.00                               | 88.02              | 89.05          | 4,160.63                    | 554.60          | 883.87          | 892.94                        | 0.00                          | 0.00                         | 0.00                        |  |
| 4,800.00                               | 88.02              | 89.05          | 4,164.07                    | 556.26          | 983.79          | 992.88                        | 0.00                          | 0.00                         | 0.00                        |  |
| 4,900.00                               | 88.02              | 89.05          | 4,167.52                    | 557.92          | 1,083.72        | 1,092.82                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,000.00                               | 88.02              | 89.05          | 4,170.97                    | 559.58          | 1,183.65        | 1,192.76                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,100.00                               | 88.02              | 89.05          | 4,174.42                    | 561.24          | 1,283.57        | 1,292.70                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,200.00                               | 88.02              | 89.05          | 4,177.86                    | 562.90          | 1,383.50        | 1,392.64                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,300.00                               | 88.02              | 89.05          | 4,181.31                    | 564.55          | 1,483.43        | 1,492.58                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,400.00                               | 88.02              | 89.05          | 4,184.76                    | 566.21          | 1,583.36        | 1,592.53                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,500.00                               | 88.02              | 89.05          | 4,188.21                    | 567.87          | 1,683.28        | 1,692.47                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,600.00                               | 88.02              | 89.05          | 4,191.65                    | 569.53          | 1,783.21        | 1,792.41                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,700.00                               | 88.02              | 89.05          | 4,195.10                    | 571.19          | 1,883.14        | 1,892.35                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,800.00                               | 88.02              | 89.05          | 4,198.55                    | 572.85          | 1,983.06        | 1,992.29                      | 0.00                          | 0.00                         | 0.00                        |  |
| 5,900.00                               | 88.02              | 89.05          | 4,202.00                    | 574.51          | 2,082.99        | 2,092.23                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,000.00                               | 88.02              | 89.05          | 4,205.44                    | 576.17          | 2,182.92        | 2,192.17                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,100.00                               | 88.02              | 89.05          | 4,208.89                    | 577.82          | 2,282.84        | 2,292.11                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,200.00                               | 88.02              | 89.05          | 4,212.34                    | 579.48          | 2,382.77        | 2,392.05                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,300.00                               | 88.02              | 89.05          | 4,215.79                    | 581.14          | 2,482.70        | 2,491.99                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,400.00                               | 88.02              | 89.05          | 4,219.23                    | 582.80          | 2,582.62        | 2,591.93                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,500.00                               | 88.02              | 89.05          | 4,222.68                    | 584.46          | 2,682.55        | 2,691.87                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,600.00                               | 88.02              | 89.05          | 4,226.13                    | 586.12          | 2,782.48        | 2,791.81                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,700.00                               | 88.02              | 89.05          | 4,229.58                    | 587.78          | 2,882.40        | 2,891.75                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,800.00                               | 88.02              | 89.05          | 4,233.02                    | 589.44          | 2,982.33        | 2,991.69                      | 0.00                          | 0.00                         | 0.00                        |  |
| 6,900.00                               | 88.02              | 89.05          | 4,236.47                    | 591.09          | 3,082.26        | 3,091.63                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,000.00                               | 88.02              | 89.05          | 4,239.92                    | 592.75          | 3,182.18        | 3,191.57                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,100.00                               | 88.02              | 89.05          | 4,243.37                    | 594.41          | 3,282.11        | 3,291.51                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,200.00                               | 88.02              | 89.05          | 4,246.81                    | 596.07          | 3,382.04        | 3,391.46                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,300.00                               | 88.02              | 89.05          | 4,250.26                    | 597.73          | 3,481.96        | 3,491.40                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,400.00                               | 88.02              | 89.05          | 4,253.71                    | 599.39          | 3,581.89        | 3,591.34                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,500.00                               | 88.02              | 89.05          | 4,257.16                    | 601.05          | 3,681.82        | 3,691.28                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,600.00                               | 88.02              | 89.05          | 4,260.60                    | 602.71          | 3,781.74        | 3,791.22                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,700.00                               | 88.02              | 89.05          | 4,264.05                    | 604.36          | 3,881.67        | 3,891.16                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,800.00                               | 88.02              | 89.05          | 4,267.50                    | 606.02          | 3,981.60        | 3,991.10                      | 0.00                          | 0.00                         | 0.00                        |  |
| 7,900.00                               | 88.02              | 89.05          | 4,270.95                    | 607.68          | 4,081.52        | 4,091.04                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,000.00                               | 88.02              | 89.05          | 4,274.39                    | 609.34          | 4,181.45        | 4,190.98                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,100.00                               | 88.02              | 89.05          | 4,277.84                    | 611.00          | 4,281.38        | 4,290.92                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,200.00                               | 88.02              | 89.05          | 4,281.29                    | 612.66          | 4,381.31        | 4,390.86                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,300.00                               | 88.02              | 89.05          | 4,284.74                    | 614.32          | 4,481.23        | 4,490.80                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,400.00                               | 88.02              | 89.05          | 4,288.18                    | 615.98          | 4,581.16        | 4,590.74                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,500.00                               | 88.02              | 89.05          | 4,291.63                    | 617.63          | 4,681.09        | 4,690.68                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,600.00                               | 88.02              | 89.05          | 4,295.08                    | 619.29          | 4,781.01        | 4,790.62                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,700.00                               | 88.02              | 89.05          | 4,298.53                    | 620.95          | 4,880.94        | 4,890.56                      | 0.00                          | 0.00                         | 0.00                        |  |
| 8,800.00                               | 88.02              | 89.05          | 4,301.97                    | 622.61          | 4,980.87        | 4,990.50                      | 0.00                          | 0.00                         | 0.00                        |  |

Planning Report

|           |                                |                              |                                    |
|-----------|--------------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.17 Single User Db     | Local Co-ordinate Reference: | Well 70H                           |
| Company:  | SPUR ENERGY PARTNERS, LLC      | TVD Reference:               | RKB = 20' @ 3632.00usft (AKITA 57) |
| Project:  | EDDY COUNTY, NM (NAD 83 - NME) | MD Reference:                | RKB = 20' @ 3632.00usft (AKITA 57) |
| Site:     | SMITHDALE 29 FEDERAL           | North Reference:             | Grid                               |
| Well:     | 70H                            | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                             |                              |                                    |
| Design:   | PERMIT                         |                              |                                    |

| Planned Survey                         |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,900.00                               | 88.02           | 89.05       | 4,305.42              | 624.27       | 5,080.79     | 5,090.44                | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                               | 88.02           | 89.05       | 4,308.87              | 625.93       | 5,180.72     | 5,190.39                | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                               | 88.02           | 89.05       | 4,312.32              | 627.59       | 5,280.65     | 5,290.33                | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                               | 88.02           | 89.05       | 4,315.76              | 629.25       | 5,380.57     | 5,390.27                | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                               | 88.02           | 89.05       | 4,319.21              | 630.90       | 5,480.50     | 5,490.21                | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00                               | 88.02           | 89.05       | 4,322.66              | 632.56       | 5,580.43     | 5,590.15                | 0.00                    | 0.00                   | 0.00                  |
| 9,500.00                               | 88.02           | 89.05       | 4,326.11              | 634.22       | 5,680.35     | 5,690.09                | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                               | 88.02           | 89.05       | 4,329.55              | 635.88       | 5,780.28     | 5,790.03                | 0.00                    | 0.00                   | 0.00                  |
| 9,707.90                               | 88.02           | 89.05       | 4,333.27              | 637.67       | 5,888.10     | 5,897.86                | 0.00                    | 0.00                   | 0.00                  |
| SMITHDALE 70H LTP: 2150' FSL, 100' FEL |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,757.94                               | 88.02           | 89.05       | 4,335.00              | 638.50       | 5,938.10     | 5,947.87                | 0.00                    | 0.00                   | 0.00                  |
| SMITHDALE 70H BHL: 2150' FSL, 50' FEL  |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets                                                                               |               |              |            |              |              |                 |                |          |            |
|----------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|----------|------------|
| Target Name                                                                                  | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude  |
| - hit/miss target                                                                            |               |              |            |              |              |                 |                |          |            |
| - Shape                                                                                      |               |              |            |              |              |                 |                |          |            |
| SMITHDALE 70H SHI                                                                            | 0.00          | 0.00         | 0.00       | 0.00         | 0.00         | 655,614.00      | 579,580.60     | 32.80225 | -104.20887 |
| - plan hits target center                                                                    |               |              |            |              |              |                 |                |          |            |
| - Point                                                                                      |               |              |            |              |              |                 |                |          |            |
| SMITHDALE 70H KO                                                                             | 0.00          | 0.00         | 3,139.80   | 443.23       | -54.30       | 656,057.23      | 579,526.31     | 32.80347 | -104.20905 |
| - plan hits target center                                                                    |               |              |            |              |              |                 |                |          |            |
| - Point                                                                                      |               |              |            |              |              |                 |                |          |            |
| SMITHDALE 70H FTF                                                                            | 0.00          | 0.00         | 4,160.00   | 554.30       | 865.70       | 656,168.30      | 580,446.30     | 32.80377 | -104.20605 |
| - plan hits target center                                                                    |               |              |            |              |              |                 |                |          |            |
| - Point                                                                                      |               |              |            |              |              |                 |                |          |            |
| SMITHDALE 70H LTF                                                                            | 0.00          | 0.00         | 4,333.27   | 637.70       | 5,888.10     | 656,251.70      | 585,468.70     | 32.80398 | -104.18970 |
| - plan misses target center by 0.03usft at 9707.90usft MD (4333.27 TVD, 637.67 N, 5888.10 E) |               |              |            |              |              |                 |                |          |            |
| - Point                                                                                      |               |              |            |              |              |                 |                |          |            |
| SMITHDALE 70H BHI                                                                            | 0.00          | 0.00         | 4,335.00   | 638.50       | 5,938.10     | 656,252.50      | 585,518.70     | 32.80399 | -104.18954 |
| - plan hits target center                                                                    |               |              |            |              |              |                 |                |          |            |
| - Point                                                                                      |               |              |            |              |              |                 |                |          |            |

# **SPUR ENERGY PARTNERS, LLC**

**EDDY COUNTY, NM (NAD 83 - NME)  
SMITHDALE 29 FEDERAL  
70H**

**OH  
PERMIT**

## **Anticollision Report**

**18 December, 2024**

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

|                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| <b>Reference</b>                    | PERMIT                                                              |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |
| <b>Interpolation Method:</b>        | MD Interval 100.00usft                                              |
| <b>Depth Range:</b>                 | Unlimited                                                           |
| <b>Results Limited by:</b>          | Maximum centre distance of 5,000.00usft                             |
| <b>Warning Levels Evaluated at:</b> | 2.00 Sigma                                                          |
| <b>Error Model:</b>                 | ISCWSA                                                              |
| <b>Scan Method:</b>                 | Closest Approach 3D                                                 |
| <b>Error Surface:</b>               | Pedal Curve                                                         |
| <b>Casing Method:</b>               | Not applied                                                         |

|                            |                  |                                         |
|----------------------------|------------------|-----------------------------------------|
| <b>Survey Tool Program</b> | <b>Date</b>      | 12/18/2024                              |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b>                |
| 0.00                       | 9,757.93         | PERMIT (OH)                             |
|                            |                  | <b>Tool Name</b>                        |
|                            |                  | MWD+IFR1+SAG+FDIR                       |
|                            |                  | <b>Description</b>                      |
|                            |                  | OWSG MWD + IFR1 + Sag + FDIR Correction |

| Summary                                            |                                          |                                       |                                          |                               |                      |                     |
|----------------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|-------------------------------|----------------------|---------------------|
| Site Name<br>Offset Well - Wellbore - Design       | Reference<br>Measured<br>Depth<br>(usft) | Offset<br>Measured<br>Depth<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Separation<br>Factor | Warning             |
| SMITHDALE 29 FEDERAL                               |                                          |                                       |                                          |                               |                      |                     |
| 50H - OH - PERMIT                                  | 300.00                                   | 301.00                                | 39.98                                    | 37.97                         | 19.884               | CC                  |
| 50H - OH - PERMIT                                  | 304.45                                   | 305.45                                | 39.99                                    | 37.94                         | 19.581               | ES                  |
| 50H - OH - PERMIT                                  | 9,757.94                                 | 9,544.30                              | 862.09                                   | 732.26                        | 6.640                | SF                  |
| 71H - OH - PERMIT                                  | 265.99                                   | 267.99                                | 80.01                                    | 78.24                         | 45.184               | CC                  |
| 71H - OH - PERMIT                                  | 300.00                                   | 301.98                                | 80.01                                    | 78.00                         | 39.723               | ES                  |
| 71H - OH - PERMIT                                  | 9,757.94                                 | 9,850.70                              | 1,649.80                                 | 1,515.08                      | 12.246               | SF                  |
| 90H - OH - PERMIT                                  | 530.50                                   | 532.36                                | 18.23                                    | 14.57                         | 4.980                | CC, ES              |
| 90H - OH - PERMIT                                  | 9,757.94                                 | 10,099.28                             | 460.26                                   | 349.19                        | 4.144                | SF                  |
| 91H - OH - PERMIT                                  | 265.99                                   | 267.99                                | 60.00                                    | 58.23                         | 33.882               | CC                  |
| 91H - OH - PERMIT                                  | 300.00                                   | 301.99                                | 60.00                                    | 57.98                         | 29.786               | ES                  |
| 91H - OH - PERMIT                                  | 9,757.94                                 | 10,167.99                             | 1,333.39                                 | 1,200.42                      | 10.028               | SF                  |
| OFFSET: ANTHONEY 1 - Wellbore #1 - Wellbore #1     | 300.00                                   | 308.00                                | 699.33                                   | 692.93                        | 109.256              | CC                  |
| OFFSET: ANTHONEY 1 - Wellbore #1 - Wellbore #1     | 400.00                                   | 407.98                                | 700.83                                   | 692.32                        | 82.337               | ES                  |
| OFFSET: ANTHONEY 1 - Wellbore #1 - Wellbore #1     | 4,400.00                                 | 4,091.17                              | 1,113.23                                 | 1,017.87                      | 11.673               | SF                  |
| OFFSET: ANTHONEY 2 - Wellbore #1 - Wellbore #1     | 300.00                                   | 323.00                                | 1,175.03                                 | 1,168.36                      | 176.335              | CC                  |
| OFFSET: ANTHONEY 2 - Wellbore #1 - Wellbore #1     | 400.00                                   | 422.98                                | 1,176.75                                 | 1,167.97                      | 134.104              | ES                  |
| OFFSET: ANTHONEY 2 - Wellbore #1 - Wellbore #1     | 4,300.00                                 | 4,056.06                              | 1,809.63                                 | 1,718.40                      | 19.836               | SF                  |
| OFFSET: ANTHONEY STATE 3 - Wellbore #1 - Wellbore  | 304.45                                   | 332.29                                | 1,191.65                                 | 1,181.52                      | 117.713              | CC                  |
| OFFSET: ANTHONEY STATE 3 - Wellbore #1 - Wellbore  | 400.00                                   | 428.24                                | 1,193.25                                 | 1,180.16                      | 91.121               | ES                  |
| OFFSET: ANTHONEY STATE 3 - Wellbore #1 - Wellbore  | 4,700.00                                 | 4,243.38                              | 1,862.92                                 | 1,830.31                      | 57.129               | SF                  |
| OFFSET: ANTHONEY STATE 4 - PLANNED DEV SURV        | 1,849.72                                 | 2,068.07                              | 922.48                                   | 905.72                        | 55.045               | CC, ES              |
| OFFSET: ANTHONEY STATE 4 - PLANNED DEV SURV        | 3,400.00                                 | 3,447.18                              | 1,136.23                                 | 1,111.93                      | 46.765               | SF                  |
| OFFSET: OUTLAW STATE 1 - Wellbore #1 - Wellbore #1 | 9,429.81                                 | 4,397.92                              | 1,709.51                                 | 1,543.00                      | 10.266               | CC, ES              |
| OFFSET: OUTLAW STATE 1 - Wellbore #1 - Wellbore #1 | 9,600.00                                 | 4,403.79                              | 1,717.95                                 | 1,549.95                      | 10.225               | SF                  |
| OFFSET: OUTLAW STATE 10 - Wellbore #1 - Wellbore # | 8,143.13                                 | 4,351.27                              | 500.79                                   | 352.49                        | 3.377                | CC, ES, SF          |
| OFFSET: OUTLAW STATE 11 - Wellbore #1 - Wellbore # | 8,036.57                                 | 4,329.91                              | 159.64                                   | 3.76                          | 1.024                | Level 2, CC, ES, SF |
| OFFSET: OUTLAW STATE 2 - Wellbore #1 - Wellbore #1 | 8,784.93                                 | 4,364.50                              | 1,160.09                                 | 1,015.81                      | 8.040                | CC                  |
| OFFSET: OUTLAW STATE 2 - Wellbore #1 - Wellbore #1 | 8,800.00                                 | 4,365.00                              | 1,160.19                                 | 1,015.76                      | 8.033                | ES                  |
| OFFSET: OUTLAW STATE 2 - Wellbore #1 - Wellbore #1 | 8,900.00                                 | 4,368.32                              | 1,165.78                                 | 1,020.63                      | 8.032                | SF                  |
| OFFSET: OUTLAW STATE 3 - Wellbore #1 - Wellbore #1 | 8,768.91                                 | 4,372.64                              | 1,709.46                                 | 1,566.05                      | 11.921               | CC                  |
| OFFSET: OUTLAW STATE 3 - Wellbore #1 - Wellbore #1 | 8,800.00                                 | 4,373.64                              | 1,709.74                                 | 1,566.02                      | 11.897               | ES                  |
| OFFSET: OUTLAW STATE 3 - Wellbore #1 - Wellbore #1 | 8,900.00                                 | 4,376.86                              | 1,714.47                                 | 1,569.87                      | 11.857               | SF                  |
| OFFSET: OUTLAW STATE 4 - Wellbore #1 - Wellbore #1 | 9,573.09                                 | 4,397.46                              | 1,234.72                                 | 1,058.25                      | 6.997                | CC, ES              |
| OFFSET: OUTLAW STATE 4 - Wellbore #1 - Wellbore #1 | 9,600.00                                 | 4,398.31                              | 1,235.02                                 | 1,058.29                      | 6.988                | SF                  |
| OFFSET: OUTLAW STATE 5 - Wellbore #1 - Wellbore #1 | 7,445.81                                 | 4,336.67                              | 1,820.30                                 | 1,700.13                      | 15.147               | CC, ES              |
| OFFSET: OUTLAW STATE 5 - Wellbore #1 - Wellbore #1 | 7,700.00                                 | 4,345.00                              | 1,837.94                                 | 1,715.57                      | 15.019               | SF                  |
| OFFSET: OUTLAW STATE 6 - Wellbore #1 - Wellbore #1 | 8,123.52                                 | 4,358.99                              | 1,159.79                                 | 1,026.73                      | 8.717                | CC, ES              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

## Summary

| Site Name                                           | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning             |
|-----------------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|---------------------|
| SMITHDALE 29 FEDERAL                                |                                 |                              |                                 |                                  |                   |                     |
| OFFSET: OUTLAW STATE 6 - Wellbore #1 - Wellbore #1  | 8,200.00                        | 4,361.62                     | 1,162.30                        | 1,028.60                         | 8.693             | SF                  |
| OFFSET: OUTLAW STATE 7 - Wellbore #1 - Wellbore #1  | 8,104.52                        | 4,327.90                     | 1,819.83                        | 1,678.96                         | 12.919            | CC, ES              |
| OFFSET: OUTLAW STATE 7 - Wellbore #1 - Wellbore #1  | 8,300.00                        | 4,351.41                     | 1,830.33                        | 1,687.25                         | 12.792            | SF                  |
| OFFSET: OUTLAW STATE 8 - Wellbore #1 - Wellbore #1  | 7,462.69                        | 4,333.24                     | 1,159.99                        | 1,033.61                         | 9.179             | CC, ES              |
| OFFSET: OUTLAW STATE 8 - Wellbore #1 - Wellbore #1  | 7,500.00                        | 4,334.52                     | 1,160.59                        | 1,033.87                         | 9.159             | SF                  |
| OFFSET: OUTLAW STATE 9 - Wellbore #1 - Wellbore #1  | 7,481.03                        | 4,321.63                     | 499.76                          | 375.88                           | 4.034             | CC, ES              |
| OFFSET: OUTLAW STATE 9 - Wellbore #1 - Wellbore #1  | 7,500.00                        | 4,322.28                     | 500.12                          | 376.12                           | 4.033             | SF                  |
| OFFSET: OUTLAW STATE 12 - Wellbore #1 - Wellbore #  | 7,479.64                        | 4,307.78                     | 104.52                          | -58.49                           | 0.641             | Level 1, CC, ES, SF |
| OFFSET: STALEY STATE 21 - Wellbore #1 - Wellbore #1 | 300.00                          | 296.01                       | 454.81                          | 448.26                           | 69.445            | CC                  |
| OFFSET: STALEY STATE 21 - Wellbore #1 - Wellbore #1 | 4,220.34                        | 3,985.50                     | 504.87                          | 411.74                           | 5.421             | ES                  |
| OFFSET: STALEY STATE 21 - Wellbore #1 - Wellbore #1 | 4,300.00                        | 4,029.16                     | 509.28                          | 414.99                           | 5.401             | SF                  |
| OFFSET: STALEY STATE 25 - Wellbore #1 - Wellbore #1 | 3,404.45                        | 3,340.22                     | 258.71                          | 184.91                           | 3.505             | CC, ES              |
| OFFSET: STALEY STATE 25 - Wellbore #1 - Wellbore #1 | 3,500.00                        | 3,431.37                     | 263.38                          | 187.53                           | 3.472             | SF                  |
| OFFSET: STALEY STATE 3 - Wellbore #1 - Wellbore #1  | 4,219.92                        | 3,972.10                     | 162.29                          | 70.53                            | 1.769             | CC, ES, SF          |
| OFFSET: STALEY STATE 7 - Wellbore #1 - Wellbore #1  | 1,552.68                        | 1,523.25                     | 205.57                          | 173.40                           | 6.391             | CC                  |
| OFFSET: STALEY STATE 7 - Wellbore #1 - Wellbore #1  | 1,700.00                        | 1,668.44                     | 207.08                          | 171.77                           | 5.864             | ES                  |
| OFFSET: STALEY STATE 7 - Wellbore #1 - Wellbore #1  | 2,500.00                        | 2,456.89                     | 260.89                          | 208.37                           | 4.968             | SF                  |
| OFFSET: STATE GAS COM B 1 - Wellbore #1 - Wellbore  | 7,822.18                        | 4,352.26                     | 171.04                          | -50.00                           | 0.774             | Level 1, CC, ES, SF |
| OFFSET: STATE GAS COM V 1 - Wellbore #1 - Wellbore  | 300.00                          | 301.99                       | 538.97                          | 531.24                           | 69.703            | CC                  |
| OFFSET: STATE GAS COM V 1 - Wellbore #1 - Wellbore  | 400.00                          | 402.00                       | 540.15                          | 529.83                           | 52.347            | ES                  |
| OFFSET: STATE GAS COM V 1 - Wellbore #1 - Wellbore  | 3,500.00                        | 3,456.41                     | 964.97                          | 882.56                           | 11.709            | SF                  |

## Offset Design: SMITHDALE 29 FEDERAL - 50H - OH - PERMIT

| Survey Program: 0-MWD+IFR1+SAG+FDIR |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft          |           |
|-------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--------------------|-----------|
| Reference                           |                       |                       |                       | Offset           |               | Semi Major Axis       |              |              | Offset Wellbore Centre |                         | Rule Assigned:            |                   |                    | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |                    |           |
| 0.00                                | 0.00                  | 1.00                  | 1.00                  | 0.00             | 0.00          | 113.74                | -16.10       | 36.60        | 39.98                  |                         |                           |                   |                    |                    |           |
| 100.00                              | 100.00                | 101.00                | 101.00                | 0.29             | 0.29          | 113.74                | -16.10       | 36.60        | 39.98                  | 39.41                   | 0.58                      | 69.281            |                    |                    |           |
| 200.00                              | 200.00                | 201.00                | 201.00                | 0.65             | 0.65          | 113.74                | -16.10       | 36.60        | 39.98                  | 38.69                   | 1.29                      | 30.898            |                    |                    |           |
| 300.00                              | 300.00                | 301.00                | 301.00                | 1.00             | 1.01          | 113.74                | -16.10       | 36.60        | 39.98                  | 37.97                   | 2.01                      | 19.884            | CC                 |                    |           |
| 304.45                              | 304.45                | 305.45                | 305.45                | 1.02             | 1.02          | 120.74                | -16.10       | 36.60        | 39.99                  | 37.94                   | 2.04                      | 19.581            | ES                 |                    |           |
| 400.00                              | 399.98                | 400.92                | 400.90                | 1.36             | 1.35          | 125.30                | -17.71       | 35.85        | 40.97                  | 38.26                   | 2.71                      | 15.108            |                    |                    |           |
| 500.00                              | 499.84                | 500.00                | 499.84                | 1.73             | 1.69          | 137.24                | -22.42       | 33.65        | 45.31                  | 41.90                   | 3.41                      | 13.290            |                    |                    |           |
| 600.00                              | 599.45                | 598.28                | 597.75                | 2.09             | 2.04          | 151.71                | -30.09       | 30.08        | 55.82                  | 51.70                   | 4.12                      | 13.557            |                    |                    |           |
| 700.00                              | 698.70                | 696.06                | 695.08                | 2.45             | 2.37          | 162.71                | -38.65       | 26.09        | 72.73                  | 67.90                   | 4.83                      | 15.070            |                    |                    |           |
| 800.00                              | 797.47                | 793.09                | 791.65                | 2.82             | 2.72          | 169.83                | -47.15       | 22.12        | 94.64                  | 89.11                   | 5.53                      | 17.101            |                    |                    |           |
| 900.00                              | 896.02                | 889.79                | 887.90                | 3.17             | 3.06          | 174.38                | -55.62       | 18.18        | 118.76                 | 112.54                  | 6.22                      | 19.093            |                    |                    |           |
| 1,000.00                            | 994.57                | 986.49                | 984.14                | 3.53             | 3.41          | 177.39                | -64.09       | 14.23        | 143.35                 | 136.44                  | 6.91                      | 20.755            |                    |                    |           |
| 1,100.00                            | 1,093.12              | 1,083.19              | 1,080.39              | 3.89             | 3.76          | 179.51                | -72.55       | 10.28        | 168.21                 | 160.61                  | 7.60                      | 22.143            |                    |                    |           |
| 1,200.00                            | 1,191.68              | 1,179.89              | 1,176.64              | 4.26             | 4.12          | -178.91               | -81.02       | 6.33         | 193.22                 | 184.93                  | 8.29                      | 23.315            |                    |                    |           |
| 1,300.00                            | 1,290.23              | 1,276.59              | 1,272.89              | 4.63             | 4.47          | -177.69               | -89.49       | 2.39         | 218.34                 | 209.36                  | 8.98                      | 24.315            |                    |                    |           |
| 1,400.00                            | 1,388.78              | 1,373.29              | 1,369.14              | 4.99             | 4.82          | -176.73               | -97.96       | -1.56        | 243.54                 | 233.86                  | 9.67                      | 25.176            |                    |                    |           |
| 1,500.00                            | 1,487.33              | 1,470.00              | 1,465.39              | 5.36             | 5.17          | -175.94               | -106.43      | -5.51        | 268.78                 | 258.42                  | 10.37                     | 25.925            |                    |                    |           |
| 1,600.00                            | 1,585.88              | 1,566.70              | 1,561.63              | 5.73             | 5.53          | -175.29               | -114.89      | -9.46        | 294.07                 | 283.01                  | 11.06                     | 26.582            |                    |                    |           |
| 1,700.00                            | 1,684.43              | 1,663.40              | 1,657.88              | 6.10             | 5.88          | -174.74               | -123.36      | -13.40       | 319.39                 | 307.63                  | 11.76                     | 27.162            |                    |                    |           |
| 1,800.00                            | 1,782.99              | 1,760.10              | 1,754.13              | 6.47             | 6.23          | -174.28               | -131.83      | -17.35       | 344.73                 | 332.27                  | 12.46                     | 27.677            |                    |                    |           |
| 1,900.00                            | 1,881.54              | 1,856.80              | 1,850.38              | 6.84             | 6.59          | -173.87               | -140.30      | -21.30       | 370.08                 | 356.93                  | 13.15                     | 28.139            |                    |                    |           |
| 2,000.00                            | 1,980.09              | 1,953.50              | 1,946.63              | 7.21             | 6.94          | -173.52               | -148.77      | -25.25       | 395.46                 | 381.61                  | 13.85                     | 28.554            |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 50H - OH - PERMIT |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Site Error: |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 0-MWD+HFR1+SAG+FDIR                     |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 2,100.00                                                | 2,078.64              | 2,050.20              | 2,042.88              | 7.58                             | 7.30                          | -173.21               | -157.23                             | -29.19                              | 420.84                          | 406.30                           | 14.55                     | 28.930            |                    |
| 2,200.00                                                | 2,177.19              | 2,146.90              | 2,139.13              | 7.95                             | 7.65                          | -172.94               | -165.70                             | -33.14                              | 446.24                          | 430.99                           | 15.25                     | 29.271            |                    |
| 2,300.00                                                | 2,275.75              | 2,243.60              | 2,235.37              | 8.32                             | 8.01                          | -172.70               | -174.17                             | -37.09                              | 471.64                          | 455.70                           | 15.94                     | 29.582            |                    |
| 2,400.00                                                | 2,374.30              | 2,340.30              | 2,331.62              | 8.69                             | 8.36                          | -172.48               | -182.64                             | -41.04                              | 497.05                          | 480.41                           | 16.64                     | 29.868            |                    |
| 2,500.00                                                | 2,472.85              | 2,437.00              | 2,427.87              | 9.06                             | 8.72                          | -172.28               | -191.10                             | -44.98                              | 522.47                          | 505.13                           | 17.34                     | 30.130            |                    |
| 2,600.00                                                | 2,571.40              | 2,533.71              | 2,524.12              | 9.43                             | 9.07                          | -172.10               | -199.57                             | -48.93                              | 547.89                          | 529.85                           | 18.04                     | 30.372            |                    |
| 2,700.00                                                | 2,669.95              | 2,630.41              | 2,620.37              | 9.80                             | 9.43                          | -171.94               | -208.04                             | -52.88                              | 573.32                          | 554.58                           | 18.74                     | 30.596            |                    |
| 2,800.00                                                | 2,768.50              | 2,727.11              | 2,716.62              | 10.17                            | 9.78                          | -171.79               | -216.51                             | -56.83                              | 598.75                          | 579.31                           | 19.44                     | 30.803            |                    |
| 2,900.00                                                | 2,867.06              | 2,823.81              | 2,812.87              | 10.54                            | 10.14                         | -171.65               | -224.98                             | -60.78                              | 624.19                          | 604.05                           | 20.14                     | 30.996            |                    |
| 3,000.00                                                | 2,965.61              | 2,920.51              | 2,909.11              | 10.92                            | 10.49                         | -171.52               | -233.44                             | -64.72                              | 649.62                          | 628.79                           | 20.84                     | 31.176            |                    |
| 3,100.00                                                | 3,064.16              | 3,022.04              | 3,010.23              | 11.29                            | 10.86                         | -171.69               | -242.12                             | -68.57                              | 674.79                          | 653.23                           | 21.56                     | 31.292            |                    |
| 3,200.00                                                | 3,162.72              | 3,124.00              | 3,111.36              | 11.66                            | 11.21                         | 178.83                | -250.11                             | -55.86                              | 699.19                          | 676.92                           | 22.27                     | 31.390            |                    |
| 3,300.00                                                | 3,261.19              | 3,224.63              | 3,209.67              | 12.02                            | 11.54                         | 143.54                | -257.17                             | -35.75                              | 722.52                          | 699.57                           | 22.95                     | 31.478            |                    |
| 3,400.00                                                | 3,358.69              | 3,324.37              | 3,304.53              | 12.38                            | 11.85                         | 120.84                | -263.28                             | -5.73                               | 744.34                          | 720.73                           | 23.61                     | 31.532            |                    |
| 3,500.00                                                | 3,454.14              | 3,423.25              | 3,395.05              | 12.72                            | 12.14                         | 107.63                | -268.41                             | 33.64                               | 764.38                          | 740.14                           | 24.24                     | 31.535            |                    |
| 3,600.00                                                | 3,546.50              | 3,521.31              | 3,480.37              | 13.04                            | 12.41                         | 99.24                 | -272.52                             | 81.71                               | 782.40                          | 757.54                           | 24.86                     | 31.473            |                    |
| 3,700.00                                                | 3,634.76              | 3,618.55              | 3,559.73              | 13.35                            | 12.65                         | 93.41                 | -275.59                             | 137.74                              | 798.19                          | 772.71                           | 25.48                     | 31.328            |                    |
| 3,800.00                                                | 3,717.94              | 3,714.95              | 3,632.43              | 13.64                            | 12.91                         | 89.09                 | -277.63                             | 200.96                              | 811.55                          | 785.44                           | 26.11                     | 31.085            |                    |
| 3,900.00                                                | 3,795.15              | 3,810.50              | 3,697.89              | 13.94                            | 13.25                         | 85.76                 | -278.63                             | 270.51                              | 822.34                          | 795.58                           | 26.76                     | 30.730            |                    |
| 4,000.00                                                | 3,865.52              | 3,905.17              | 3,755.61              | 14.28                            | 13.62                         | 83.14                 | -278.62                             | 345.48                              | 830.43                          | 802.98                           | 27.45                     | 30.253            |                    |
| 4,100.00                                                | 3,928.30              | 3,999.81              | 3,805.76              | 14.67                            | 14.02                         | 81.07                 | -277.61                             | 425.70                              | 835.73                          | 807.53                           | 28.19                     | 29.643            |                    |
| 4,200.00                                                | 3,982.79              | 4,099.61              | 3,855.66              | 15.11                            | 14.50                         | 79.84                 | -276.18                             | 512.12                              | 837.67                          | 808.59                           | 29.08                     | 28.806            |                    |
| 4,208.81                                                | 3,987.21              | 4,108.42              | 3,860.07              | 15.15                            | 14.55                         | 79.84                 | -276.05                             | 519.75                              | 837.67                          | 808.50                           | 29.17                     | 28.720            |                    |
| 4,300.00                                                | 4,032.79              | 4,196.62              | 3,904.06              | 15.59                            | 15.01                         | 79.82                 | -274.78                             | 596.18                              | 837.69                          | 807.64                           | 30.05                     | 27.874            |                    |
| 4,400.00                                                | 4,082.79              | 4,275.34              | 3,937.19              | 16.11                            | 15.46                         | 79.35                 | -273.60                             | 667.51                              | 839.31                          | 808.41                           | 30.90                     | 27.161            |                    |
| 4,500.00                                                | 4,125.25              | 4,350.00              | 3,959.30              | 16.67                            | 15.89                         | 78.38                 | -272.42                             | 738.76                              | 842.04                          | 810.32                           | 31.73                     | 26.540            |                    |
| 4,600.00                                                | 4,151.36              | 4,428.38              | 3,972.34              | 17.25                            | 16.36                         | 77.66                 | -271.13                             | 815.97                              | 844.11                          | 811.47                           | 32.63                     | 25.866            |                    |
| 4,700.00                                                | 4,160.63              | 4,514.11              | 3,975.90              | 17.84                            | 16.87                         | 77.30                 | -269.71                             | 901.59                              | 845.16                          | 811.52                           | 33.64                     | 25.124            |                    |
| 4,800.00                                                | 4,164.07              | 4,614.10              | 3,978.07              | 18.45                            | 17.51                         | 77.22                 | -268.05                             | 1,001.54                            | 845.44                          | 810.59                           | 34.85                     | 24.256            |                    |
| 4,900.00                                                | 4,167.52              | 4,714.09              | 3,980.24              | 19.11                            | 18.20                         | 77.13                 | -266.39                             | 1,101.50                            | 845.73                          | 809.56                           | 36.16                     | 23.387            |                    |
| 5,000.00                                                | 4,170.97              | 4,814.08              | 3,982.41              | 19.81                            | 18.93                         | 77.05                 | -264.73                             | 1,201.45                            | 846.01                          | 808.46                           | 37.55                     | 22.530            |                    |
| 5,100.00                                                | 4,174.42              | 4,914.08              | 3,984.58              | 20.55                            | 19.70                         | 76.97                 | -263.07                             | 1,301.41                            | 846.30                          | 807.29                           | 39.01                     | 21.693            |                    |
| 5,200.00                                                | 4,177.86              | 5,014.07              | 3,986.74              | 21.33                            | 20.50                         | 76.88                 | -261.41                             | 1,401.36                            | 846.59                          | 806.05                           | 40.54                     | 20.883            |                    |
| 5,300.00                                                | 4,181.31              | 5,114.06              | 3,988.91              | 22.13                            | 21.33                         | 76.80                 | -259.75                             | 1,501.31                            | 846.88                          | 804.75                           | 42.12                     | 20.104            |                    |
| 5,400.00                                                | 4,184.76              | 5,214.05              | 3,991.08              | 22.96                            | 22.19                         | 76.71                 | -258.09                             | 1,601.27                            | 847.17                          | 803.41                           | 43.76                     | 19.359            |                    |
| 5,500.00                                                | 4,188.21              | 5,314.04              | 3,993.25              | 23.82                            | 23.07                         | 76.63                 | -256.43                             | 1,701.22                            | 847.46                          | 802.02                           | 45.44                     | 18.650            |                    |
| 5,600.00                                                | 4,191.65              | 5,414.03              | 3,995.42              | 24.69                            | 23.97                         | 76.54                 | -254.77                             | 1,801.18                            | 847.76                          | 800.60                           | 47.16                     | 17.975            |                    |
| 5,700.00                                                | 4,195.10              | 5,514.03              | 3,997.59              | 25.59                            | 24.89                         | 76.46                 | -253.11                             | 1,901.13                            | 848.06                          | 799.14                           | 48.92                     | 17.336            |                    |
| 5,800.00                                                | 4,198.55              | 5,614.02              | 3,999.76              | 26.50                            | 25.83                         | 76.38                 | -251.45                             | 2,001.09                            | 848.36                          | 797.65                           | 50.71                     | 16.730            |                    |
| 5,900.00                                                | 4,202.00              | 5,714.01              | 4,001.92              | 27.43                            | 26.78                         | 76.29                 | -249.79                             | 2,101.04                            | 848.66                          | 796.13                           | 52.53                     | 16.157            |                    |
| 6,000.00                                                | 4,205.44              | 5,814.00              | 4,004.09              | 28.37                            | 27.74                         | 76.21                 | -248.13                             | 2,201.00                            | 848.96                          | 794.59                           | 54.37                     | 15.615            |                    |
| 6,100.00                                                | 4,208.89              | 5,913.99              | 4,006.26              | 29.33                            | 28.72                         | 76.12                 | -246.47                             | 2,300.95                            | 849.27                          | 793.03                           | 56.24                     | 15.102            |                    |
| 6,200.00                                                | 4,212.34              | 6,013.99              | 4,008.43              | 30.30                            | 29.70                         | 76.04                 | -244.81                             | 2,400.91                            | 849.57                          | 791.45                           | 58.12                     | 14.617            |                    |
| 6,300.00                                                | 4,215.79              | 6,113.98              | 4,010.60              | 31.28                            | 30.70                         | 75.96                 | -243.15                             | 2,500.86                            | 849.88                          | 789.85                           | 60.03                     | 14.158            |                    |
| 6,400.00                                                | 4,219.23              | 6,213.97              | 4,012.77              | 32.26                            | 31.70                         | 75.87                 | -241.49                             | 2,600.81                            | 850.19                          | 788.24                           | 61.95                     | 13.724            |                    |
| 6,500.00                                                | 4,222.68              | 6,313.96              | 4,014.94              | 33.26                            | 32.72                         | 75.79                 | -239.83                             | 2,700.77                            | 850.50                          | 786.62                           | 63.88                     | 13.313            |                    |
| 6,600.00                                                | 4,226.13              | 6,413.95              | 4,017.11              | 34.27                            | 33.73                         | 75.71                 | -238.17                             | 2,800.72                            | 850.82                          | 784.98                           | 65.83                     | 12.924            |                    |
| 6,700.00                                                | 4,229.58              | 6,513.94              | 4,019.27              | 35.28                            | 34.76                         | 75.62                 | -236.51                             | 2,900.68                            | 851.13                          | 783.34                           | 67.80                     | 12.554            |                    |
| 6,800.00                                                | 4,233.02              | 6,613.94              | 4,021.44              | 36.30                            | 35.79                         | 75.54                 | -234.85                             | 3,000.63                            | 851.45                          | 781.68                           | 69.77                     | 12.204            |                    |
| 6,900.00                                                | 4,236.47              | 6,713.93              | 4,023.61              | 37.32                            | 36.83                         | 75.46                 | -233.19                             | 3,100.59                            | 851.77                          | 780.02                           | 71.75                     | 11.871            |                    |
| 7,000.00                                                | 4,239.92              | 6,813.92              | 4,025.78              | 38.35                            | 37.87                         | 75.37                 | -231.53                             | 3,200.54                            | 852.09                          | 778.35                           | 73.74                     | 11.555            |                    |
| 7,100.00                                                | 4,243.37              | 6,913.91              | 4,027.95              | 39.39                            | 38.92                         | 75.29                 | -229.87                             | 3,300.50                            | 852.42                          | 776.67                           | 75.74                     | 11.254            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 50H - OH - PERMIT |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          |                    |                                 | Offset Site Error:   | 0.00 usft |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|--------------------|---------------------------------|----------------------|-----------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                             |                             |                             |                                        |                  |                             | Rule Assigned:                            |                 |                                          |                    |                                 | Offset Well Error:   | 0.00 usft |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| 7,200.00                                                | 4,246.81                    | 7,013.90                    | 4,030.12                    | 40.43                                  | 39.97            | 75.21                       | -228.21                                   | 3,400.45        | 852.74                                   | 774.99             | 77.75                           | 10.968               |           |
| 7,300.00                                                | 4,250.26                    | 7,113.90                    | 4,032.29                    | 41.48                                  | 41.03            | 75.12                       | -226.55                                   | 3,500.41        | 853.07                                   | 773.31             | 79.76                           | 10.695               |           |
| 7,400.00                                                | 4,253.71                    | 7,213.89                    | 4,034.46                    | 42.53                                  | 42.09            | 75.04                       | -224.89                                   | 3,600.36        | 853.40                                   | 771.62             | 81.78                           | 10.435               |           |
| 7,500.00                                                | 4,257.16                    | 7,313.88                    | 4,036.62                    | 43.58                                  | 43.15            | 74.96                       | -223.23                                   | 3,700.31        | 853.73                                   | 769.92             | 83.81                           | 10.187               |           |
| 7,600.00                                                | 4,260.60                    | 7,413.87                    | 4,038.79                    | 44.64                                  | 44.22            | 74.87                       | -221.57                                   | 3,800.27        | 854.06                                   | 768.22             | 85.84                           | 9.950                |           |
| 7,700.00                                                | 4,264.05                    | 7,513.86                    | 4,040.96                    | 45.70                                  | 45.29            | 74.79                       | -219.91                                   | 3,900.22        | 854.39                                   | 766.52             | 87.87                           | 9.723                |           |
| 7,800.00                                                | 4,267.50                    | 7,613.85                    | 4,043.13                    | 46.76                                  | 46.36            | 74.71                       | -218.25                                   | 4,000.18        | 854.73                                   | 764.82             | 89.91                           | 9.507                |           |
| 7,900.00                                                | 4,270.95                    | 7,713.85                    | 4,045.30                    | 47.83                                  | 47.43            | 74.63                       | -216.59                                   | 4,100.13        | 855.07                                   | 763.12             | 91.95                           | 9.299                |           |
| 8,000.00                                                | 4,274.39                    | 7,813.84                    | 4,047.47                    | 48.89                                  | 48.51            | 74.54                       | -214.93                                   | 4,200.09        | 855.41                                   | 761.41             | 94.00                           | 9.100                |           |
| 8,100.00                                                | 4,277.84                    | 7,913.83                    | 4,049.64                    | 49.97                                  | 49.59            | 74.46                       | -213.27                                   | 4,300.04        | 855.75                                   | 759.70             | 96.04                           | 8.910                |           |
| 8,200.00                                                | 4,281.29                    | 8,013.82                    | 4,051.81                    | 51.04                                  | 50.67            | 74.38                       | -211.61                                   | 4,400.00        | 856.09                                   | 757.99             | 98.09                           | 8.727                |           |
| 8,300.00                                                | 4,284.74                    | 8,113.81                    | 4,053.97                    | 52.12                                  | 51.75            | 74.30                       | -209.95                                   | 4,499.95        | 856.43                                   | 756.29             | 100.15                          | 8.552                |           |
| 8,400.00                                                | 4,288.18                    | 8,213.81                    | 4,056.14                    | 53.19                                  | 52.84            | 74.21                       | -208.29                                   | 4,599.90        | 856.78                                   | 754.58             | 102.20                          | 8.383                |           |
| 8,500.00                                                | 4,291.63                    | 8,313.80                    | 4,058.31                    | 54.27                                  | 53.92            | 74.13                       | -206.63                                   | 4,699.86        | 857.13                                   | 752.87             | 104.26                          | 8.221                |           |
| 8,600.00                                                | 4,295.08                    | 8,413.79                    | 4,060.48                    | 55.36                                  | 55.01            | 74.05                       | -204.97                                   | 4,799.81        | 857.48                                   | 751.16             | 106.32                          | 8.065                |           |
| 8,700.00                                                | 4,298.53                    | 8,513.78                    | 4,062.65                    | 56.44                                  | 56.10            | 73.97                       | -203.31                                   | 4,899.77        | 857.83                                   | 749.45             | 108.38                          | 7.915                |           |
| 8,800.00                                                | 4,301.97                    | 8,613.77                    | 4,064.82                    | 57.53                                  | 57.19            | 73.89                       | -201.65                                   | 4,999.72        | 858.18                                   | 747.74             | 110.44                          | 7.770                |           |
| 8,900.00                                                | 4,305.42                    | 8,713.76                    | 4,066.99                    | 58.61                                  | 58.29            | 73.80                       | -199.99                                   | 5,099.68        | 858.54                                   | 746.03             | 112.51                          | 7.631                |           |
| 9,000.00                                                | 4,308.87                    | 8,813.76                    | 4,069.16                    | 59.70                                  | 59.38            | 73.72                       | -198.33                                   | 5,199.63        | 858.89                                   | 744.33             | 114.57                          | 7.497                |           |
| 9,100.00                                                | 4,312.32                    | 8,913.75                    | 4,071.32                    | 60.79                                  | 60.47            | 73.64                       | -196.67                                   | 5,299.59        | 859.25                                   | 742.62             | 116.63                          | 7.367                |           |
| 9,200.00                                                | 4,315.76                    | 9,013.74                    | 4,073.49                    | 61.88                                  | 61.57            | 73.56                       | -195.01                                   | 5,399.54        | 859.61                                   | 740.91             | 118.70                          | 7.242                |           |
| 9,300.00                                                | 4,319.21                    | 9,113.73                    | 4,075.66                    | 62.97                                  | 62.67            | 73.48                       | -193.35                                   | 5,499.50        | 859.98                                   | 739.21             | 120.76                          | 7.121                |           |
| 9,400.00                                                | 4,322.66                    | 9,213.72                    | 4,077.83                    | 64.07                                  | 63.77            | 73.39                       | -191.69                                   | 5,599.45        | 860.34                                   | 737.51             | 122.83                          | 7.004                |           |
| 9,500.00                                                | 4,326.11                    | 9,313.72                    | 4,080.00                    | 65.16                                  | 64.86            | 73.31                       | -190.03                                   | 5,699.40        | 860.70                                   | 735.81             | 124.90                          | 6.891                |           |
| 9,600.00                                                | 4,329.55                    | 9,413.71                    | 4,082.17                    | 66.26                                  | 65.96            | 73.23                       | -188.37                                   | 5,799.36        | 861.07                                   | 734.11             | 126.96                          | 6.782                |           |
| 9,700.00                                                | 4,333.00                    | 9,513.70                    | 4,084.34                    | 67.35                                  | 67.07            | 73.15                       | -186.71                                   | 5,899.31        | 861.44                                   | 732.41             | 129.03                          | 6.676                |           |
| 9,757.94                                                | 4,335.00                    | 9,544.30                    | 4,085.00                    | 67.99                                  | 67.40            | 73.12                       | -186.20                                   | 5,929.90        | 862.09                                   | 732.26             | 129.83                          | 6.640 SF             |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 71H - OH - PERMIT |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Site Error: |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 0.00                                                    | 0.00                  | 2.00                  | 2.00                  | 0.00                             | 0.01                          | 113.81                | -32.30                              | 73.20                               | 80.01                           |                                  |                           |                   |                    |
| 100.00                                                  | 100.00                | 102.00                | 102.00                | 0.29                             | 0.29                          | 113.81                | -32.30                              | 73.20                               | 80.01                           | 79.43                            | 0.58                      | 137.775           |                    |
| 200.00                                                  | 200.00                | 202.00                | 202.00                | 0.65                             | 0.65                          | 113.81                | -32.30                              | 73.20                               | 80.01                           | 78.71                            | 1.30                      | 61.656            |                    |
| 265.99                                                  | 265.99                | 267.99                | 267.99                | 0.88                             | 0.89                          | 113.81                | -32.30                              | 73.20                               | 80.01                           | 78.24                            | 1.77                      | 45.184 CC         |                    |
| 300.00                                                  | 300.00                | 301.98                | 301.98                | 1.00                             | 1.01                          | 113.81                | -32.30                              | 73.20                               | 80.01                           | 78.00                            | 2.01                      | 39.723 ES         |                    |
| 400.00                                                  | 399.98                | 400.84                | 400.82                | 1.36                             | 1.35                          | 122.97                | -34.07                              | 73.13                               | 81.62                           | 78.91                            | 2.71                      | 30.106            |                    |
| 500.00                                                  | 499.84                | 498.99                | 498.83                | 1.73                             | 1.68                          | 128.82                | -39.20                              | 72.93                               | 87.06                           | 83.66                            | 3.40                      | 25.580            |                    |
| 600.00                                                  | 599.45                | 595.74                | 595.22                | 2.09                             | 2.02                          | 136.83                | -47.54                              | 72.60                               | 97.85                           | 93.75                            | 4.10                      | 23.850            |                    |
| 700.00                                                  | 698.70                | 690.46                | 689.25                | 2.45                             | 2.36                          | 145.14                | -58.85                              | 72.16                               | 115.43                          | 110.64                           | 4.80                      | 24.056            |                    |
| 800.00                                                  | 797.47                | 782.55                | 780.27                | 2.82                             | 2.68                          | 152.48                | -72.81                              | 71.61                               | 140.49                          | 135.00                           | 5.48                      | 25.615            |                    |
| 900.00                                                  | 896.02                | 872.25                | 868.45                | 3.17                             | 3.01                          | 158.38                | -89.22                              | 70.97                               | 171.11                          | 164.98                           | 6.13                      | 27.922            |                    |
| 1,000.00                                                | 994.57                | 959.84                | 954.02                | 3.53                             | 3.34                          | 162.82                | -107.90                             | 70.24                               | 205.63                          | 198.88                           | 6.75                      | 30.463            |                    |
| 1,100.00                                                | 1,093.12              | 1,045.23              | 1,036.85              | 3.89                             | 3.67                          | 166.22                | -128.61                             | 69.43                               | 243.62                          | 236.26                           | 7.36                      | 33.121            |                    |
| 1,200.00                                                | 1,191.68              | 1,128.35              | 1,116.86              | 4.26                             | 3.99                          | 168.88                | -151.14                             | 68.55                               | 284.77                          | 276.84                           | 7.93                      | 35.921            |                    |
| 1,300.00                                                | 1,290.23              | 1,209.17              | 1,193.98              | 4.63                             | 4.31                          | 171.00                | -175.25                             | 67.61                               | 328.84                          | 320.35                           | 8.49                      | 38.734            |                    |
| 1,400.00                                                | 1,388.78              | 1,287.65              | 1,268.20              | 4.99                             | 4.63                          | 172.73                | -200.74                             | 66.61                               | 375.62                          | 366.59                           | 9.03                      | 41.602            |                    |
| 1,500.00                                                | 1,487.33              | 1,373.16              | 1,348.58              | 5.36                             | 4.99                          | 174.27                | -229.91                             | 65.47                               | 424.12                          | 414.48                           | 9.63                      | 44.020            |                    |
| 1,600.00                                                | 1,585.88              | 1,460.07              | 1,430.26              | 5.73                             | 5.36                          | 175.52                | -259.57                             | 64.31                               | 472.84                          | 462.58                           | 10.26                     | 46.097            |                    |
| 1,700.00                                                | 1,684.43              | 1,546.97              | 1,511.94              | 6.10                             | 5.73                          | 176.53                | -289.23                             | 63.15                               | 521.70                          | 510.82                           | 10.88                     | 47.938            |                    |
| 1,800.00                                                | 1,782.99              | 1,633.88              | 1,593.61              | 6.47                             | 6.10                          | 177.38                | -318.90                             | 61.98                               | 570.67                          | 559.16                           | 11.51                     | 49.577            |                    |
| 1,900.00                                                | 1,881.54              | 1,720.79              | 1,675.29              | 6.84                             | 6.47                          | 178.09                | -348.56                             | 60.82                               | 619.72                          | 607.58                           | 12.14                     | 51.046            |                    |
| 2,000.00                                                | 1,980.09              | 1,807.69              | 1,756.97              | 7.21                             | 6.85                          | 178.70                | -378.22                             | 59.66                               | 668.83                          | 656.05                           | 12.77                     | 52.367            |                    |
| 2,100.00                                                | 2,078.64              | 1,894.60              | 1,838.65              | 7.58                             | 7.23                          | 179.22                | -407.89                             | 58.50                               | 717.99                          | 704.58                           | 13.40                     | 53.562            |                    |
| 2,200.00                                                | 2,177.19              | 1,981.51              | 1,920.33              | 7.95                             | 7.61                          | 179.68                | -437.55                             | 57.34                               | 767.18                          | 753.15                           | 14.04                     | 54.648            |                    |
| 2,300.00                                                | 2,275.75              | 2,068.41              | 2,002.01              | 8.32                             | 7.99                          | 179.92                | -467.21                             | 56.18                               | 816.42                          | 801.74                           | 14.67                     | 55.637            |                    |
| 2,400.00                                                | 2,374.30              | 2,155.32              | 2,083.69              | 8.69                             | 8.37                          | 179.56                | -496.88                             | 55.02                               | 865.67                          | 850.36                           | 15.31                     | 56.542            |                    |
| 2,500.00                                                | 2,472.85              | 2,242.23              | 2,165.37              | 9.06                             | 8.75                          | 179.24                | -526.54                             | 53.86                               | 914.96                          | 899.01                           | 15.95                     | 57.373            |                    |
| 2,600.00                                                | 2,571.40              | 2,329.13              | 2,247.05              | 9.43                             | 9.14                          | 178.95                | -556.20                             | 52.70                               | 964.26                          | 947.67                           | 16.59                     | 58.138            |                    |
| 2,700.00                                                | 2,669.95              | 2,416.04              | 2,328.72              | 9.80                             | 9.52                          | 178.69                | -585.87                             | 51.54                               | 1,013.57                        | 996.35                           | 17.22                     | 58.845            |                    |
| 2,800.00                                                | 2,768.50              | 2,502.94              | 2,410.40              | 10.17                            | 9.90                          | 178.46                | -615.53                             | 50.38                               | 1,062.91                        | 1,045.04                         | 17.86                     | 59.500            |                    |
| 2,900.00                                                | 2,867.06              | 2,589.85              | 2,492.08              | 10.54                            | 10.29                         | 178.25                | -645.19                             | 49.22                               | 1,112.25                        | 1,093.75                         | 18.50                     | 60.108            |                    |
| 3,000.00                                                | 2,965.61              | 2,676.76              | 2,573.76              | 10.92                            | 10.67                         | 178.05                | -674.86                             | 48.06                               | 1,161.60                        | 1,142.46                         | 19.14                     | 60.674            |                    |
| 3,100.00                                                | 3,064.16              | 2,763.66              | 2,655.44              | 11.29                            | 11.06                         | 177.87                | -704.52                             | 46.89                               | 1,210.97                        | 1,191.18                         | 19.79                     | 61.203            |                    |
| 3,200.00                                                | 3,162.72              | 2,850.58              | 2,737.13              | 11.66                            | 11.45                         | 177.41                | -734.19                             | 45.73                               | 1,260.30                        | 1,239.87                         | 20.43                     | 61.696            |                    |
| 3,300.00                                                | 3,261.19              | 2,937.53              | 2,818.85              | 12.02                            | 11.83                         | 138.02                | -763.86                             | 44.57                               | 1,308.49                        | 1,287.43                         | 21.06                     | 62.124            |                    |
| 3,400.00                                                | 3,358.69              | 3,023.76              | 2,899.89              | 12.38                            | 12.22                         | 115.63                | -793.30                             | 43.42                               | 1,354.87                        | 1,333.18                         | 21.69                     | 62.473            |                    |
| 3,500.00                                                | 3,454.14              | 3,108.34              | 2,979.38              | 12.72                            | 12.59                         | 103.04                | -822.16                             | 42.29                               | 1,399.34                        | 1,377.04                         | 22.30                     | 62.754            |                    |
| 3,600.00                                                | 3,546.50              | 3,190.33              | 3,056.44              | 13.04                            | 12.96                         | 95.48                 | -850.15                             | 41.20                               | 1,441.99                        | 1,419.09                         | 22.90                     | 62.979            |                    |
| 3,700.00                                                | 3,634.76              | 3,268.83              | 3,130.22              | 13.35                            | 13.31                         | 90.58                 | -876.94                             | 40.15                               | 1,483.02                        | 1,459.54                         | 23.48                     | 63.161            |                    |
| 3,800.00                                                | 3,717.94              | 3,342.99              | 3,199.92              | 13.64                            | 13.64                         | 87.21                 | -902.26                             | 39.16                               | 1,522.75                        | 1,498.70                         | 24.05                     | 63.312            |                    |
| 3,900.00                                                | 3,795.15              | 3,412.00              | 3,264.78              | 13.94                            | 13.95                         | 84.75                 | -925.81                             | 38.23                               | 1,561.53                        | 1,536.92                         | 24.61                     | 63.439            |                    |
| 4,000.00                                                | 3,865.52              | 3,475.09              | 3,324.08              | 14.28                            | 14.23                         | 82.83                 | -947.35                             | 37.39                               | 1,599.73                        | 1,574.55                         | 25.17                     | 63.550            |                    |
| 4,100.00                                                | 3,928.30              | 3,591.51              | 3,527.55              | 14.67                            | 15.16                         | 85.52                 | -1,016.16                           | 57.11                               | 1,636.60                        | 1,609.73                         | 26.87                     | 60.913            |                    |
| 4,200.00                                                | 3,982.79              | 4,330.35              | 4,005.09              | 15.11                            | 16.92                         | 90.82                 | -1,102.09                           | 440.14                              | 1,649.26                        | 1,619.47                         | 29.79                     | 55.359            |                    |
| 4,300.00                                                | 4,032.79              | 4,430.35              | 4,055.09              | 15.59                            | 17.09                         | 90.81                 | -1,100.65                           | 526.74                              | 1,649.26                        | 1,618.58                         | 30.69                     | 53.748            |                    |
| 4,400.00                                                | 4,082.79              | 4,531.72              | 4,104.86              | 16.11                            | 17.31                         | 90.78                 | -1,099.18                           | 615.02                              | 1,649.25                        | 1,617.57                         | 31.67                     | 52.070            |                    |
| 4,500.00                                                | 4,125.25              | 4,634.96              | 4,142.44              | 16.67                            | 17.58                         | 90.55                 | -1,097.59                           | 711.01                              | 1,649.17                        | 1,616.42                         | 32.75                     | 50.362            |                    |
| 4,600.00                                                | 4,151.36              | 4,736.91              | 4,162.07              | 17.25                            | 17.90                         | 90.30                 | -1,095.93                           | 810.90                              | 1,649.11                        | 1,615.25                         | 33.86                     | 48.704            |                    |
| 4,700.00                                                | 4,160.63              | 4,837.30              | 4,166.62              | 17.84                            | 18.28                         | 90.14                 | -1,094.26                           | 911.15                              | 1,649.09                        | 1,614.11                         | 34.99                     | 47.135            |                    |
| 4,800.00                                                | 4,164.07              | 4,937.30              | 4,169.48              | 18.45                            | 18.73                         | 90.12                 | -1,092.60                           | 1,011.10                            | 1,649.09                        | 1,612.90                         | 36.19                     | 45.570            |                    |
| 4,900.00                                                | 4,167.52              | 5,037.30              | 4,172.34              | 19.11                            | 19.27                         | 90.10                 | -1,090.94                           | 1,111.04                            | 1,649.09                        | 1,611.60                         | 37.49                     | 43.991            |                    |
| 5,000.00                                                | 4,170.97              | 5,137.30              | 4,175.20              | 19.81                            | 19.87                         | 90.08                 | -1,089.28                           | 1,210.98                            | 1,649.08                        | 1,610.21                         | 38.87                     | 42.423            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 71H - OH - PERMIT |                             |                             |                             |                                        |                                     |                             |                        |                |                                          |          |                                 |                      | Offset Site Error: |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|-------------------------------------|-----------------------------|------------------------|----------------|------------------------------------------|----------|---------------------------------|----------------------|--------------------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                             |                             |                             |                                        |                                     |                             |                        |                |                                          |          |                                 |                      | Offset Well Error: |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Semi Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                | Distance<br>Between<br>Centres<br>(usft) |          | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |
|                                                         |                             |                             |                             |                                        |                                     |                             | +N-S<br>(usft)         | +E-W<br>(usft) |                                          |          |                                 |                      |                    |
| 5,100.00                                                | 4,174.42                    | 5,237.30                    | 4,178.06                    | 20.55                                  | 20.53                               | 90.06                       | -1,087.62              | 1,310.93       | 1,649.08                                 | 1,608.74 | 40.34                           | 40.883               |                    |
| 5,200.00                                                | 4,177.86                    | 5,337.30                    | 4,180.92                    | 21.33                                  | 21.24                               | 90.04                       | -1,085.96              | 1,410.87       | 1,649.08                                 | 1,607.21 | 41.87                           | 39.384               |                    |
| 5,300.00                                                | 4,181.31                    | 5,437.29                    | 4,183.78                    | 22.13                                  | 21.99                               | 90.02                       | -1,084.30              | 1,510.81       | 1,649.08                                 | 1,605.61 | 43.47                           | 37.937               |                    |
| 5,400.00                                                | 4,184.76                    | 5,537.29                    | 4,186.64                    | 22.96                                  | 22.77                               | 90.00                       | -1,082.64              | 1,610.76       | 1,649.08                                 | 1,603.95 | 45.12                           | 36.547               |                    |
| 5,500.00                                                | 4,188.21                    | 5,637.29                    | 4,189.50                    | 23.82                                  | 23.59                               | 89.98                       | -1,080.97              | 1,710.70       | 1,649.07                                 | 1,602.25 | 46.83                           | 35.218               |                    |
| 5,600.00                                                | 4,191.65                    | 5,737.29                    | 4,192.36                    | 24.69                                  | 24.43                               | 89.95                       | -1,079.31              | 1,810.64       | 1,649.07                                 | 1,600.50 | 48.57                           | 33.950               |                    |
| 5,700.00                                                | 4,195.10                    | 5,837.29                    | 4,195.22                    | 25.59                                  | 25.30                               | 89.93                       | -1,077.65              | 1,910.59       | 1,649.07                                 | 1,598.71 | 50.36                           | 32.744               |                    |
| 5,800.00                                                | 4,198.55                    | 5,937.29                    | 4,198.08                    | 26.50                                  | 26.18                               | 89.91                       | -1,075.99              | 2,010.53       | 1,649.07                                 | 1,596.88 | 52.19                           | 31.600               |                    |
| 5,900.00                                                | 4,202.00                    | 6,037.28                    | 4,200.94                    | 27.43                                  | 27.09                               | 89.89                       | -1,074.33              | 2,110.47       | 1,649.07                                 | 1,595.03 | 54.04                           | 30.514               |                    |
| 6,000.00                                                | 4,205.44                    | 6,137.28                    | 4,203.80                    | 28.37                                  | 28.01                               | 89.87                       | -1,072.67              | 2,210.42       | 1,649.07                                 | 1,593.14 | 55.93                           | 29.485               |                    |
| 6,100.00                                                | 4,208.89                    | 6,237.28                    | 4,206.66                    | 29.33                                  | 28.95                               | 89.85                       | -1,071.01              | 2,310.36       | 1,649.07                                 | 1,591.23 | 57.84                           | 28.510               |                    |
| 6,191.54                                                | 4,212.05                    | 6,328.82                    | 4,209.28                    | 30.22                                  | 29.82                               | 89.83                       | -1,069.49              | 2,401.85       | 1,649.07                                 | 1,589.46 | 59.61                           | 27.663               |                    |
| 6,200.00                                                | 4,212.34                    | 6,337.28                    | 4,209.52                    | 30.30                                  | 29.90                               | 89.83                       | -1,069.35              | 2,410.31       | 1,649.07                                 | 1,589.29 | 59.78                           | 27.587               |                    |
| 6,300.00                                                | 4,215.79                    | 6,437.28                    | 4,212.38                    | 31.28                                  | 30.86                               | 89.81                       | -1,067.69              | 2,510.25       | 1,649.07                                 | 1,587.33 | 61.74                           | 26.712               |                    |
| 6,400.00                                                | 4,219.23                    | 6,537.28                    | 4,215.24                    | 32.26                                  | 31.84                               | 89.79                       | -1,066.03              | 2,610.19       | 1,649.07                                 | 1,585.36 | 63.71                           | 25.883               |                    |
| 6,500.00                                                | 4,222.68                    | 6,637.27                    | 4,218.10                    | 33.26                                  | 32.82                               | 89.77                       | -1,064.37              | 2,710.14       | 1,649.07                                 | 1,583.36 | 65.71                           | 25.097               |                    |
| 6,600.00                                                | 4,226.13                    | 6,737.27                    | 4,220.96                    | 34.27                                  | 33.81                               | 89.75                       | -1,062.71              | 2,810.08       | 1,649.07                                 | 1,581.35 | 67.72                           | 24.352               |                    |
| 6,700.00                                                | 4,229.58                    | 6,837.27                    | 4,223.82                    | 35.28                                  | 34.82                               | 89.73                       | -1,061.05              | 2,910.02       | 1,649.07                                 | 1,579.33 | 69.74                           | 23.645               |                    |
| 6,800.00                                                | 4,233.02                    | 6,937.27                    | 4,226.68                    | 36.30                                  | 35.82                               | 89.71                       | -1,059.38              | 3,009.97       | 1,649.07                                 | 1,577.29 | 71.78                           | 22.973               |                    |
| 6,900.00                                                | 4,236.47                    | 7,037.27                    | 4,229.54                    | 37.32                                  | 36.84                               | 89.69                       | -1,057.72              | 3,109.91       | 1,649.07                                 | 1,575.24 | 73.84                           | 22.335               |                    |
| 7,000.00                                                | 4,239.92                    | 7,137.26                    | 4,232.40                    | 38.35                                  | 37.86                               | 89.67                       | -1,056.06              | 3,209.85       | 1,649.08                                 | 1,573.18 | 75.90                           | 21.727               |                    |
| 7,100.00                                                | 4,243.37                    | 7,237.26                    | 4,235.26                    | 39.39                                  | 38.89                               | 89.65                       | -1,054.40              | 3,309.80       | 1,649.08                                 | 1,571.11 | 77.97                           | 21.150               |                    |
| 7,200.00                                                | 4,246.81                    | 7,337.26                    | 4,238.12                    | 40.43                                  | 39.93                               | 89.63                       | -1,052.74              | 3,409.74       | 1,649.08                                 | 1,569.02 | 80.06                           | 20.599               |                    |
| 7,300.00                                                | 4,250.26                    | 7,437.26                    | 4,240.98                    | 41.48                                  | 40.96                               | 89.61                       | -1,051.08              | 3,509.68       | 1,649.08                                 | 1,566.93 | 82.15                           | 20.075               |                    |
| 7,400.00                                                | 4,253.71                    | 7,537.26                    | 4,243.84                    | 42.53                                  | 42.01                               | 89.59                       | -1,049.42              | 3,609.63       | 1,649.08                                 | 1,564.84 | 84.25                           | 19.574               |                    |
| 7,500.00                                                | 4,257.16                    | 7,637.26                    | 4,246.70                    | 43.58                                  | 43.05                               | 89.57                       | -1,047.76              | 3,709.57       | 1,649.09                                 | 1,562.73 | 86.36                           | 19.096               |                    |
| 7,600.00                                                | 4,260.60                    | 7,737.25                    | 4,249.56                    | 44.64                                  | 44.11                               | 89.55                       | -1,046.10              | 3,809.52       | 1,649.09                                 | 1,560.62 | 88.47                           | 18.640               |                    |
| 7,700.00                                                | 4,264.05                    | 7,837.25                    | 4,252.42                    | 45.70                                  | 45.16                               | 89.53                       | -1,044.44              | 3,909.46       | 1,649.09                                 | 1,558.50 | 90.59                           | 18.203               |                    |
| 7,800.00                                                | 4,267.50                    | 7,937.25                    | 4,255.28                    | 46.76                                  | 46.22                               | 89.51                       | -1,042.78              | 4,009.40       | 1,649.10                                 | 1,556.38 | 92.72                           | 17.786               |                    |
| 7,900.00                                                | 4,270.95                    | 8,037.25                    | 4,258.14                    | 47.83                                  | 47.28                               | 89.49                       | -1,041.12              | 4,109.35       | 1,649.10                                 | 1,554.24 | 94.85                           | 17.385               |                    |
| 8,000.00                                                | 4,274.39                    | 8,137.25                    | 4,261.00                    | 48.89                                  | 48.35                               | 89.46                       | -1,039.46              | 4,209.29       | 1,649.10                                 | 1,552.11 | 96.99                           | 17.002               |                    |
| 8,100.00                                                | 4,277.84                    | 8,237.25                    | 4,263.86                    | 49.97                                  | 49.41                               | 89.44                       | -1,037.80              | 4,309.23       | 1,649.11                                 | 1,549.97 | 99.14                           | 16.634               |                    |
| 8,200.00                                                | 4,281.29                    | 8,337.24                    | 4,266.72                    | 51.04                                  | 50.48                               | 89.42                       | -1,036.13              | 4,409.18       | 1,649.11                                 | 1,547.82 | 101.29                          | 16.282               |                    |
| 8,300.00                                                | 4,284.74                    | 8,437.24                    | 4,269.58                    | 52.12                                  | 51.56                               | 89.40                       | -1,034.47              | 4,509.12       | 1,649.12                                 | 1,545.68 | 103.44                          | 15.943               |                    |
| 8,400.00                                                | 4,288.18                    | 8,537.24                    | 4,272.44                    | 53.19                                  | 52.63                               | 89.38                       | -1,032.81              | 4,609.06       | 1,649.12                                 | 1,543.52 | 105.60                          | 15.617               |                    |
| 8,500.00                                                | 4,291.63                    | 8,637.24                    | 4,275.30                    | 54.27                                  | 53.71                               | 89.36                       | -1,031.15              | 4,709.01       | 1,649.12                                 | 1,541.37 | 107.76                          | 15.304               |                    |
| 8,600.00                                                | 4,295.08                    | 8,737.24                    | 4,278.16                    | 55.36                                  | 54.79                               | 89.34                       | -1,029.49              | 4,808.95       | 1,649.13                                 | 1,539.21 | 109.92                          | 15.003               |                    |
| 8,700.00                                                | 4,298.53                    | 8,837.24                    | 4,281.02                    | 56.44                                  | 55.87                               | 89.32                       | -1,027.83              | 4,908.89       | 1,649.14                                 | 1,537.04 | 112.09                          | 14.712               |                    |
| 8,800.00                                                | 4,301.97                    | 8,937.23                    | 4,283.88                    | 57.53                                  | 56.95                               | 89.30                       | -1,026.17              | 5,008.84       | 1,649.14                                 | 1,534.88 | 114.26                          | 14.433               |                    |
| 8,900.00                                                | 4,305.42                    | 9,037.23                    | 4,286.74                    | 58.61                                  | 58.03                               | 89.28                       | -1,024.51              | 5,108.78       | 1,649.15                                 | 1,532.71 | 116.44                          | 14.163               |                    |
| 9,000.00                                                | 4,308.87                    | 9,137.23                    | 4,289.59                    | 59.70                                  | 59.12                               | 89.26                       | -1,022.85              | 5,208.73       | 1,649.15                                 | 1,530.54 | 118.61                          | 13.903               |                    |
| 9,100.00                                                | 4,312.32                    | 9,237.23                    | 4,292.45                    | 60.79                                  | 60.21                               | 89.24                       | -1,021.19              | 5,308.67       | 1,649.16                                 | 1,528.36 | 120.79                          | 13.653               |                    |
| 9,200.00                                                | 4,315.76                    | 9,337.23                    | 4,295.31                    | 61.88                                  | 61.30                               | 89.22                       | -1,019.53              | 5,408.61       | 1,649.16                                 | 1,526.19 | 122.98                          | 13.410               |                    |
| 9,300.00                                                | 4,319.21                    | 9,437.23                    | 4,298.17                    | 62.97                                  | 62.39                               | 89.20                       | -1,017.87              | 5,508.56       | 1,649.17                                 | 1,524.01 | 125.16                          | 13.176               |                    |
| 9,400.00                                                | 4,322.66                    | 9,537.22                    | 4,301.03                    | 64.07                                  | 63.48                               | 89.18                       | -1,016.21              | 5,608.50       | 1,649.18                                 | 1,521.83 | 127.35                          | 12.950               |                    |
| 9,500.00                                                | 4,326.11                    | 9,637.22                    | 4,303.89                    | 65.16                                  | 64.57                               | 89.16                       | -1,014.55              | 5,708.44       | 1,649.18                                 | 1,519.64 | 129.54                          | 12.731               |                    |
| 9,600.00                                                | 4,329.55                    | 9,737.22                    | 4,306.75                    | 66.26                                  | 65.67                               | 89.14                       | -1,012.88              | 5,808.39       | 1,649.19                                 | 1,517.46 | 131.73                          | 12.519               |                    |
| 9,700.00                                                | 4,333.00                    | 9,837.22                    | 4,309.61                    | 67.35                                  | 66.76                               | 89.12                       | -1,011.22              | 5,908.33       | 1,649.20                                 | 1,515.27 | 133.92                          | 12.314               |                    |
| 9,757.94                                                | 4,335.00                    | 9,850.70                    | 4,310.00                    | 67.99                                  | 66.91                               | 89.11                       | -1,011.00              | 5,921.80       | 1,649.80                                 | 1,515.08 | 134.72                          | 12.246 SF            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 90H - OH - PERMIT |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Site Error: |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 0.00                                                    | 0.00                  | 1.00                  | 1.00                  | 0.00                             | 0.00                          | 113.61                | -8.00                               | 18.30                               | 19.97                           |                                  |                           |                   |                    |
| 100.00                                                  | 100.00                | 101.00                | 101.00                | 0.29                             | 0.29                          | 113.61                | -8.00                               | 18.30                               | 19.97                           | 19.40                            | 0.58                      | 34.606            |                    |
| 200.00                                                  | 200.00                | 201.00                | 201.00                | 0.65                             | 0.65                          | 113.61                | -8.00                               | 18.30                               | 19.97                           | 18.68                            | 1.29                      | 15.434            |                    |
| 300.00                                                  | 300.00                | 301.00                | 301.00                | 1.00                             | 1.01                          | 113.61                | -8.00                               | 18.30                               | 19.97                           | 17.96                            | 2.01                      | 9.931             |                    |
| 400.00                                                  | 399.98                | 401.53                | 401.51                | 1.36                             | 1.37                          | 121.60                | -6.38                               | 17.52                               | 19.51                           | 16.78                            | 2.73                      | 7.148             |                    |
| 500.00                                                  | 499.84                | 501.87                | 501.72                | 1.73                             | 1.73                          | 125.37                | -1.76                               | 15.29                               | 18.35                           | 14.91                            | 3.44                      | 5.329             |                    |
| 530.50                                                  | 530.25                | 532.36                | 532.15                | 1.84                             | 1.84                          | 127.92                | -0.14                               | 14.51                               | 18.23                           | 14.57                            | 3.66                      | 4.980 CC, ES      |                    |
| 600.00                                                  | 599.45                | 601.80                | 601.47                | 2.09                             | 2.09                          | 136.45                | 3.56                                | 12.72                               | 18.96                           | 14.80                            | 4.16                      | 4.560             |                    |
| 700.00                                                  | 698.70                | 701.56                | 701.05                | 2.45                             | 2.44                          | 151.20                | 8.87                                | 10.16                               | 23.22                           | 18.34                            | 4.88                      | 4.761             |                    |
| 800.00                                                  | 797.47                | 801.03                | 800.35                | 2.82                             | 2.80                          | 162.96                | 14.17                               | 7.60                                | 31.80                           | 26.20                            | 5.60                      | 5.680             |                    |
| 900.00                                                  | 896.02                | 900.36                | 899.50                | 3.17                             | 3.16                          | 169.93                | 19.45                               | 5.05                                | 42.48                           | 36.17                            | 6.31                      | 6.730             |                    |
| 1,000.00                                                | 994.57                | 999.68                | 998.66                | 3.53                             | 3.51                          | 174.08                | 24.74                               | 2.50                                | 53.53                           | 46.51                            | 7.02                      | 7.620             |                    |
| 1,100.00                                                | 1,093.12              | 1,099.01              | 1,097.81              | 3.89                             | 3.87                          | 176.79                | 30.03                               | -0.05                               | 64.76                           | 57.02                            | 7.74                      | 8.369             |                    |
| 1,200.00                                                | 1,191.68              | 1,198.34              | 1,196.97              | 4.26                             | 4.22                          | 178.70                | 35.32                               | -2.60                               | 76.10                           | 67.64                            | 8.45                      | 9.003             |                    |
| 1,300.00                                                | 1,290.23              | 1,297.67              | 1,296.12              | 4.63                             | 4.58                          | -179.88               | 40.61                               | -5.16                               | 87.49                           | 78.32                            | 9.17                      | 9.544             |                    |
| 1,400.00                                                | 1,388.78              | 1,397.00              | 1,395.28              | 4.99                             | 4.94                          | -178.79               | 45.90                               | -7.71                               | 98.93                           | 89.04                            | 9.88                      | 10.011            |                    |
| 1,500.00                                                | 1,487.33              | 1,496.33              | 1,494.43              | 5.36                             | 5.29                          | -177.93               | 51.19                               | -10.26                              | 110.39                          | 99.79                            | 10.60                     | 10.417            |                    |
| 1,600.00                                                | 1,585.88              | 1,595.66              | 1,593.59              | 5.73                             | 5.65                          | -177.23               | 56.47                               | -12.81                              | 121.87                          | 110.56                           | 11.31                     | 10.773            |                    |
| 1,700.00                                                | 1,684.43              | 1,694.98              | 1,692.74              | 6.10                             | 6.01                          | -176.65               | 61.76                               | -15.36                              | 133.37                          | 121.34                           | 12.03                     | 11.088            |                    |
| 1,800.00                                                | 1,782.99              | 1,794.31              | 1,791.90              | 6.47                             | 6.37                          | -176.16               | 67.05                               | -17.91                              | 144.88                          | 132.14                           | 12.74                     | 11.368            |                    |
| 1,900.00                                                | 1,881.54              | 1,893.64              | 1,891.05              | 6.84                             | 6.72                          | -175.75               | 72.34                               | -20.47                              | 156.40                          | 142.94                           | 13.46                     | 11.619            |                    |
| 2,000.00                                                | 1,980.09              | 1,992.97              | 1,990.21              | 7.21                             | 7.08                          | -175.39               | 77.63                               | -23.02                              | 167.92                          | 153.75                           | 14.18                     | 11.845            |                    |
| 2,100.00                                                | 2,078.64              | 2,092.30              | 2,089.36              | 7.58                             | 7.44                          | -175.08               | 82.92                               | -25.57                              | 179.46                          | 164.56                           | 14.89                     | 12.050            |                    |
| 2,200.00                                                | 2,177.19              | 2,191.63              | 2,188.52              | 7.95                             | 7.79                          | -174.80               | 88.21                               | -28.12                              | 190.99                          | 175.38                           | 15.61                     | 12.235            |                    |
| 2,300.00                                                | 2,275.75              | 2,290.95              | 2,287.67              | 8.32                             | 8.15                          | -174.56               | 93.49                               | -30.67                              | 202.53                          | 186.21                           | 16.33                     | 12.405            |                    |
| 2,400.00                                                | 2,374.30              | 2,390.28              | 2,386.82              | 8.69                             | 8.51                          | -174.34               | 98.78                               | -33.23                              | 214.07                          | 197.03                           | 17.04                     | 12.561            |                    |
| 2,500.00                                                | 2,472.85              | 2,489.61              | 2,485.98              | 9.06                             | 8.86                          | -174.15               | 104.07                              | -35.78                              | 225.62                          | 207.86                           | 17.76                     | 12.704            |                    |
| 2,600.00                                                | 2,571.40              | 2,588.94              | 2,585.13              | 9.43                             | 9.22                          | -173.97               | 109.36                              | -38.33                              | 237.17                          | 218.69                           | 18.48                     | 12.836            |                    |
| 2,700.00                                                | 2,669.95              | 2,688.27              | 2,684.29              | 9.80                             | 9.58                          | -173.81               | 114.65                              | -40.88                              | 248.72                          | 229.52                           | 19.19                     | 12.958            |                    |
| 2,800.00                                                | 2,768.50              | 2,787.60              | 2,783.44              | 10.17                            | 9.93                          | -173.66               | 119.94                              | -43.43                              | 260.27                          | 240.36                           | 19.91                     | 13.072            |                    |
| 2,900.00                                                | 2,867.06              | 2,886.93              | 2,882.60              | 10.54                            | 10.29                         | -173.53               | 125.22                              | -45.99                              | 271.82                          | 251.20                           | 20.63                     | 13.178            |                    |
| 3,000.00                                                | 2,965.61              | 2,986.25              | 2,981.75              | 10.92                            | 10.65                         | -173.41               | 130.51                              | -48.54                              | 283.38                          | 262.03                           | 21.34                     | 13.276            |                    |
| 3,100.00                                                | 3,064.16              | 3,085.58              | 3,080.91              | 11.29                            | 11.01                         | -173.30               | 135.80                              | -51.09                              | 294.93                          | 272.87                           | 22.06                     | 13.368            |                    |
| 3,200.00                                                | 3,162.72              | 3,184.91              | 3,180.06              | 11.66                            | 11.36                         | -178.58               | 141.09                              | -53.64                              | 306.47                          | 283.69                           | 22.78                     | 13.454            |                    |
| 3,300.00                                                | 3,261.19              | 3,283.93              | 3,278.91              | 12.02                            | 11.72                         | 146.71                | 146.36                              | -56.18                              | 317.48                          | 293.99                           | 23.49                     | 13.513            |                    |
| 3,400.00                                                | 3,358.69              | 3,381.66              | 3,376.47              | 12.38                            | 12.07                         | 128.91                | 151.57                              | -58.70                              | 328.39                          | 304.19                           | 24.20                     | 13.570            |                    |
| 3,500.00                                                | 3,454.14              | 3,477.02              | 3,471.66              | 12.72                            | 12.41                         | 121.69                | 156.64                              | -61.15                              | 340.66                          | 315.77                           | 24.89                     | 13.685            |                    |
| 3,600.00                                                | 3,546.50              | 3,574.55              | 3,569.03              | 13.04                            | 12.76                         | 120.00                | 161.81                              | -61.68                              | 355.90                          | 330.31                           | 25.59                     | 13.906            |                    |
| 3,700.00                                                | 3,634.76              | 3,678.56              | 3,672.40              | 13.35                            | 13.12                         | 120.55                | 167.15                              | -62.01                              | 373.41                          | 347.13                           | 26.29                     | 14.205            |                    |
| 3,800.00                                                | 3,717.94              | 3,787.69              | 3,779.06              | 13.64                            | 13.48                         | 122.07                | 172.49                              | -29.84                              | 392.43                          | 365.51                           | 26.92                     | 14.578            |                    |
| 3,900.00                                                | 3,795.15              | 3,902.50              | 3,887.78              | 13.94                            | 13.85                         | 124.02                | 177.74                              | 6.46                                | 412.20                          | 384.76                           | 27.44                     | 15.024            |                    |
| 4,000.00                                                | 3,865.52              | 4,023.54              | 3,996.83              | 14.28                            | 14.24                         | 126.15                | 182.79                              | 58.57                               | 431.91                          | 404.12                           | 27.79                     | 15.541            |                    |
| 4,100.00                                                | 3,928.30              | 4,151.26              | 4,103.78              | 14.67                            | 14.67                         | 128.30                | 187.48                              | 128.04                              | 450.74                          | 422.78                           | 27.95                     | 16.124            |                    |
| 4,200.00                                                | 3,982.79              | 4,285.89              | 4,205.44              | 15.11                            | 15.14                         | 130.39                | 191.64                              | 216.03                              | 467.80                          | 439.87                           | 27.93                     | 16.748            |                    |
| 4,300.00                                                | 4,032.79              | 4,428.45              | 4,298.51              | 15.59                            | 15.68                         | 132.93                | 195.06                              | 323.79                              | 479.59                          | 451.73                           | 27.86                     | 17.215            |                    |
| 4,400.00                                                | 4,082.79              | 4,563.56              | 4,371.34              | 16.11                            | 16.25                         | 133.51                | 197.33                              | 437.46                              | 482.30                          | 454.15                           | 28.15                     | 17.132            |                    |
| 4,404.45                                                | 4,085.00              | 4,568.01              | 4,373.56              | 16.14                            | 16.27                         | 133.51                | 197.39                              | 441.32                              | 482.31                          | 454.12                           | 28.19                     | 17.111            |                    |
| 4,500.00                                                | 4,125.25              | 4,663.08              | 4,421.09              | 16.67                            | 16.72                         | 133.80                | 198.76                              | 523.63                              | 488.14                          | 459.33                           | 28.81                     | 16.943            |                    |
| 4,600.00                                                | 4,151.36              | 4,798.36              | 4,485.89              | 17.25                            | 17.41                         | 135.37                | 200.73                              | 642.29                              | 505.47                          | 476.66                           | 28.82                     | 17.540            |                    |
| 4,700.00                                                | 4,160.63              | 5,045.31              | 4,535.37              | 17.84                            | 18.75                         | 136.90                | 204.72                              | 882.31                              | 511.97                          | 483.16                           | 28.80                     | 17.775            |                    |
| 4,800.00                                                | 4,164.07              | 5,145.29              | 4,537.35              | 18.45                            | 19.33                         | 136.78                | 206.38                              | 982.26                              | 510.89                          | 481.15                           | 29.74                     | 17.181            |                    |
| 4,900.00                                                | 4,167.52              | 5,245.28              | 4,539.32              | 19.11                            | 19.95                         | 136.67                | 208.03                              | 1,082.22                            | 509.81                          | 479.08                           | 30.74                     | 16.586            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 90H - OH - PERMIT |                       |                       |                       |                |        |                       |                        |              |              |                        |                         |          | Offset Site Error: |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------|--------|-----------------------|------------------------|--------------|--------------|------------------------|-------------------------|----------|--------------------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                       |                       |                       |                |        |                       |                        |              |              |                        |                         |          | Offset Well Error: |
| Reference                                               | Offset                | Semi Major Axis       |                       | Rule Assigned: |        | Distance              |                        | Minimum      |              | Separation             |                         | Warning  |                    |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference      | Offset | Highside Toolface (°) | Offset Wellbore Centre | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |          |                    |
| 5,000.00                                                | 4,170.97              | 5,345.27              | 4,541.29              | 19.81          | 20.61  | 136.56                | 209.69                 | 1,182.17     | 508.74       | 476.94                 | 31.80                   | 15.996   |                    |
| 5,100.00                                                | 4,174.42              | 5,445.26              | 4,543.26              | 20.55          | 21.31  | 136.44                | 211.35                 | 1,282.13     | 507.67       | 474.74                 | 32.93                   | 15.417   |                    |
| 5,200.00                                                | 4,177.86              | 5,545.25              | 4,545.23              | 21.33          | 22.05  | 136.33                | 213.01                 | 1,382.09     | 506.60       | 472.49                 | 34.11                   | 14.853   |                    |
| 5,300.00                                                | 4,181.31              | 5,645.24              | 4,547.20              | 22.13          | 22.82  | 136.21                | 214.67                 | 1,482.04     | 505.53       | 470.20                 | 35.34                   | 14.306   |                    |
| 5,400.00                                                | 4,184.76              | 5,745.23              | 4,549.17              | 22.96          | 23.62  | 136.10                | 216.33                 | 1,582.00     | 504.47       | 467.86                 | 36.61                   | 13.779   |                    |
| 5,500.00                                                | 4,188.21              | 5,845.22              | 4,551.14              | 23.82          | 24.44  | 135.98                | 217.99                 | 1,681.95     | 503.40       | 465.48                 | 37.93                   | 13.274   |                    |
| 5,600.00                                                | 4,191.65              | 5,945.21              | 4,553.11              | 24.69          | 25.29  | 135.86                | 219.65                 | 1,781.91     | 502.34       | 463.06                 | 39.28                   | 12.789   |                    |
| 5,700.00                                                | 4,195.10              | 6,045.20              | 4,555.08              | 25.59          | 26.15  | 135.74                | 221.31                 | 1,881.87     | 501.28       | 460.62                 | 40.67                   | 12.327   |                    |
| 5,800.00                                                | 4,198.55              | 6,145.19              | 4,557.06              | 26.50          | 27.04  | 135.63                | 222.97                 | 1,981.82     | 500.23       | 458.14                 | 42.08                   | 11.886   |                    |
| 5,900.00                                                | 4,202.00              | 6,245.17              | 4,559.03              | 27.43          | 27.95  | 135.51                | 224.63                 | 2,081.78     | 499.17       | 455.64                 | 43.53                   | 11.466   |                    |
| 6,000.00                                                | 4,205.44              | 6,345.16              | 4,561.00              | 28.37          | 28.87  | 135.39                | 226.29                 | 2,181.73     | 498.12       | 453.11                 | 45.01                   | 11.067   |                    |
| 6,100.00                                                | 4,208.89              | 6,445.15              | 4,562.97              | 29.33          | 29.80  | 135.27                | 227.95                 | 2,281.69     | 497.07       | 450.56                 | 46.51                   | 10.687   |                    |
| 6,200.00                                                | 4,212.34              | 6,545.14              | 4,564.94              | 30.30          | 30.75  | 135.15                | 229.61                 | 2,381.65     | 496.02       | 447.98                 | 48.04                   | 10.326   |                    |
| 6,300.00                                                | 4,215.79              | 6,645.13              | 4,566.91              | 31.28          | 31.71  | 135.03                | 231.27                 | 2,481.60     | 494.97       | 445.39                 | 49.58                   | 9.983    |                    |
| 6,400.00                                                | 4,219.23              | 6,745.12              | 4,568.88              | 32.26          | 32.68  | 134.91                | 232.93                 | 2,581.56     | 493.93       | 442.78                 | 51.15                   | 9.656    |                    |
| 6,500.00                                                | 4,222.68              | 6,845.11              | 4,570.85              | 33.26          | 33.66  | 134.79                | 234.59                 | 2,681.51     | 492.89       | 440.15                 | 52.74                   | 9.346    |                    |
| 6,600.00                                                | 4,226.13              | 6,945.10              | 4,572.82              | 34.27          | 34.64  | 134.66                | 236.25                 | 2,781.47     | 491.85       | 437.51                 | 54.34                   | 9.051    |                    |
| 6,700.00                                                | 4,229.58              | 7,045.09              | 4,574.80              | 35.28          | 35.64  | 134.54                | 237.91                 | 2,881.42     | 490.81       | 434.85                 | 55.96                   | 8.770    |                    |
| 6,800.00                                                | 4,233.02              | 7,145.08              | 4,576.77              | 36.30          | 36.64  | 134.42                | 239.57                 | 2,981.38     | 489.78       | 432.17                 | 57.60                   | 8.503    |                    |
| 6,900.00                                                | 4,236.47              | 7,245.07              | 4,578.74              | 37.32          | 37.66  | 134.29                | 241.23                 | 3,081.34     | 488.74       | 429.49                 | 59.26                   | 8.248    |                    |
| 7,000.00                                                | 4,239.92              | 7,345.05              | 4,580.71              | 38.35          | 38.67  | 134.17                | 242.89                 | 3,181.29     | 487.71       | 426.79                 | 60.92                   | 8.005    |                    |
| 7,100.00                                                | 4,243.37              | 7,445.04              | 4,582.68              | 39.39          | 39.70  | 134.05                | 244.55                 | 3,281.25     | 486.68       | 424.08                 | 62.61                   | 7.774    |                    |
| 7,200.00                                                | 4,246.81              | 7,545.03              | 4,584.65              | 40.43          | 40.72  | 133.92                | 246.21                 | 3,381.20     | 485.66       | 421.36                 | 64.30                   | 7.553    |                    |
| 7,300.00                                                | 4,250.26              | 7,645.02              | 4,586.62              | 41.48          | 41.76  | 133.79                | 247.86                 | 3,481.16     | 484.64       | 418.63                 | 66.01                   | 7.342    |                    |
| 7,400.00                                                | 4,253.71              | 7,745.01              | 4,588.59              | 42.53          | 42.80  | 133.67                | 249.52                 | 3,581.12     | 483.61       | 415.88                 | 67.73                   | 7.140    |                    |
| 7,500.00                                                | 4,257.16              | 7,845.00              | 4,590.56              | 43.58          | 43.84  | 133.54                | 251.18                 | 3,681.07     | 482.60       | 413.13                 | 69.46                   | 6.948    |                    |
| 7,600.00                                                | 4,260.60              | 7,944.99              | 4,592.53              | 44.64          | 44.89  | 133.41                | 252.84                 | 3,781.03     | 481.58       | 410.37                 | 71.21                   | 6.763    |                    |
| 7,700.00                                                | 4,264.05              | 8,044.98              | 4,594.51              | 45.70          | 45.94  | 133.29                | 254.50                 | 3,880.98     | 480.56       | 407.60                 | 72.96                   | 6.587    |                    |
| 7,800.00                                                | 4,267.50              | 8,144.97              | 4,596.48              | 46.76          | 46.99  | 133.16                | 256.16                 | 3,980.94     | 479.55       | 404.83                 | 74.73                   | 6.418    |                    |
| 7,900.00                                                | 4,270.95              | 8,244.96              | 4,598.45              | 47.83          | 48.05  | 133.03                | 257.82                 | 4,080.90     | 478.54       | 402.04                 | 76.50                   | 6.255    |                    |
| 8,000.00                                                | 4,274.39              | 8,344.95              | 4,600.42              | 48.89          | 49.11  | 132.90                | 259.48                 | 4,180.85     | 477.54       | 399.25                 | 78.29                   | 6.100    |                    |
| 8,100.00                                                | 4,277.84              | 8,444.93              | 4,602.39              | 49.97          | 50.17  | 132.77                | 261.14                 | 4,280.81     | 476.53       | 396.45                 | 80.08                   | 5.951    |                    |
| 8,200.00                                                | 4,281.29              | 8,544.92              | 4,604.36              | 51.04          | 51.24  | 132.64                | 262.80                 | 4,380.76     | 475.53       | 393.64                 | 81.89                   | 5.807    |                    |
| 8,300.00                                                | 4,284.74              | 8,644.91              | 4,606.33              | 52.12          | 52.31  | 132.51                | 264.46                 | 4,480.72     | 474.53       | 390.83                 | 83.70                   | 5.669    |                    |
| 8,400.00                                                | 4,288.18              | 8,744.90              | 4,608.30              | 53.19          | 53.38  | 132.38                | 266.12                 | 4,580.67     | 473.53       | 388.01                 | 85.53                   | 5.537    |                    |
| 8,500.00                                                | 4,291.63              | 8,844.89              | 4,610.27              | 54.27          | 54.45  | 132.24                | 267.78                 | 4,680.63     | 472.54       | 385.18                 | 87.36                   | 5.409    |                    |
| 8,600.00                                                | 4,295.08              | 8,944.88              | 4,612.24              | 55.36          | 55.53  | 132.11                | 269.44                 | 4,780.59     | 471.55       | 382.35                 | 89.20                   | 5.286    |                    |
| 8,700.00                                                | 4,298.53              | 9,044.87              | 4,614.22              | 56.44          | 56.61  | 131.98                | 271.10                 | 4,880.54     | 470.56       | 379.51                 | 91.05                   | 5.168    |                    |
| 8,800.00                                                | 4,301.97              | 9,144.86              | 4,616.19              | 57.53          | 57.68  | 131.84                | 272.76                 | 4,980.50     | 469.57       | 376.66                 | 92.91                   | 5.054    |                    |
| 8,900.00                                                | 4,305.42              | 9,244.85              | 4,618.16              | 58.61          | 58.77  | 131.71                | 274.42                 | 5,080.45     | 468.59       | 373.81                 | 94.77                   | 4.944    |                    |
| 9,000.00                                                | 4,308.87              | 9,344.84              | 4,620.13              | 59.70          | 59.85  | 131.57                | 276.08                 | 5,180.41     | 467.61       | 370.96                 | 96.65                   | 4.838    |                    |
| 9,100.00                                                | 4,312.32              | 9,444.83              | 4,622.10              | 60.79          | 60.93  | 131.44                | 277.74                 | 5,280.37     | 466.63       | 368.09                 | 98.53                   | 4.736    |                    |
| 9,200.00                                                | 4,315.76              | 9,544.81              | 4,624.07              | 61.88          | 62.02  | 131.30                | 279.40                 | 5,380.32     | 465.65       | 365.23                 | 100.42                  | 4.637    |                    |
| 9,300.00                                                | 4,319.21              | 9,644.80              | 4,626.04              | 62.97          | 63.11  | 131.17                | 281.06                 | 5,480.28     | 464.68       | 362.35                 | 102.32                  | 4.541    |                    |
| 9,400.00                                                | 4,322.66              | 9,744.79              | 4,628.01              | 64.07          | 64.19  | 131.03                | 282.72                 | 5,580.23     | 463.71       | 359.48                 | 104.23                  | 4.449    |                    |
| 9,500.00                                                | 4,326.11              | 9,844.78              | 4,629.98              | 65.16          | 65.28  | 130.89                | 284.38                 | 5,680.19     | 462.74       | 356.59                 | 106.14                  | 4.360    |                    |
| 9,600.00                                                | 4,329.55              | 9,944.77              | 4,631.95              | 66.26          | 66.38  | 130.75                | 286.04                 | 5,780.15     | 461.77       | 353.70                 | 108.07                  | 4.273    |                    |
| 9,700.00                                                | 4,333.00              | 10,044.76             | 4,633.93              | 67.35          | 67.47  | 130.61                | 287.70                 | 5,880.10     | 460.81       | 350.81                 | 110.00                  | 4.189    |                    |
| 9,757.94                                                | 4,335.00              | 10,099.28             | 4,635.00              | 67.99          | 68.06  | 130.54                | 288.60                 | 5,934.60     | 460.26       | 349.19                 | 111.07                  | 4.144 SF |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 91H - OH - PERMIT |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Site Error: |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 0.00                                                    | 0.00                  | 2.00                  | 2.00                  | 0.00                             | 0.01                          | 113.79                | -24.20                              | 54.90                               | 60.00                           |                                  |                           |                   |                    |
| 100.00                                                  | 100.00                | 102.00                | 102.00                | 0.29                             | 0.29                          | 113.79                | -24.20                              | 54.90                               | 60.00                           | 59.42                            | 0.58                      | 103.314           |                    |
| 200.00                                                  | 200.00                | 202.00                | 202.00                | 0.65                             | 0.65                          | 113.79                | -24.20                              | 54.90                               | 60.00                           | 58.70                            | 1.30                      | 46.235            |                    |
| 265.99                                                  | 265.99                | 267.99                | 267.99                | 0.88                             | 0.89                          | 113.79                | -24.20                              | 54.90                               | 60.00                           | 58.23                            | 1.77                      | 33.882 CC         |                    |
| 300.00                                                  | 300.00                | 301.99                | 301.99                | 1.00                             | 1.01                          | 113.79                | -24.20                              | 54.90                               | 60.00                           | 57.98                            | 2.01                      | 29.786 ES         |                    |
| 400.00                                                  | 399.98                | 401.45                | 401.43                | 1.36                             | 1.35                          | 123.79                | -25.96                              | 54.52                               | 61.34                           | 58.63                            | 2.71                      | 22.610            |                    |
| 500.00                                                  | 499.84                | 500.00                | 499.84                | 1.73                             | 1.69                          | 131.78                | -31.02                              | 53.44                               | 66.27                           | 62.86                            | 3.41                      | 19.448            |                    |
| 600.00                                                  | 599.45                | 597.56                | 597.03                | 2.09                             | 2.03                          | 142.30                | -39.30                              | 51.67                               | 76.82                           | 72.71                            | 4.11                      | 18.687            |                    |
| 700.00                                                  | 698.70                | 692.90                | 691.67                | 2.45                             | 2.36                          | 152.43                | -50.51                              | 49.28                               | 94.70                           | 89.89                            | 4.81                      | 19.682            |                    |
| 800.00                                                  | 797.47                | 785.64                | 783.32                | 2.82                             | 2.69                          | 160.65                | -64.36                              | 46.32                               | 120.36                          | 114.86                           | 5.50                      | 21.880            |                    |
| 900.00                                                  | 896.02                | 876.00                | 872.13                | 3.17                             | 3.02                          | 166.77                | -80.64                              | 42.84                               | 151.56                          | 145.41                           | 6.15                      | 24.662            |                    |
| 1,000.00                                                | 994.57                | 967.09                | 961.18                | 3.53                             | 3.37                          | 171.26                | -99.37                              | 38.83                               | 186.09                          | 179.30                           | 6.79                      | 27.406            |                    |
| 1,100.00                                                | 1,093.12              | 1,059.96              | 1,051.91              | 3.89                             | 3.72                          | 174.45                | -118.73                             | 34.69                               | 221.61                          | 214.16                           | 7.45                      | 29.759            |                    |
| 1,200.00                                                | 1,191.68              | 1,152.83              | 1,142.65              | 4.26                             | 4.07                          | 176.77                | -138.09                             | 30.56                               | 257.58                          | 249.47                           | 8.11                      | 31.772            |                    |
| 1,300.00                                                | 1,290.23              | 1,245.69              | 1,233.38              | 4.63                             | 4.43                          | 178.52                | -157.45                             | 26.42                               | 293.82                          | 285.05                           | 8.77                      | 33.499            |                    |
| 1,400.00                                                | 1,388.78              | 1,338.56              | 1,324.11              | 4.99                             | 4.79                          | 179.89                | -176.81                             | 22.28                               | 330.25                          | 320.81                           | 9.44                      | 34.997            |                    |
| 1,500.00                                                | 1,487.33              | 1,431.43              | 1,414.85              | 5.36                             | 5.15                          | -179.02               | -196.17                             | 18.14                               | 366.81                          | 356.70                           | 10.10                     | 36.305            |                    |
| 1,600.00                                                | 1,585.88              | 1,524.30              | 1,505.58              | 5.73                             | 5.51                          | -178.12               | -215.53                             | 14.00                               | 403.47                          | 392.69                           | 10.77                     | 37.455            |                    |
| 1,700.00                                                | 1,684.43              | 1,617.17              | 1,596.32              | 6.10                             | 5.87                          | -177.37               | -234.89                             | 9.86                                | 440.19                          | 428.75                           | 11.44                     | 38.472            |                    |
| 1,800.00                                                | 1,782.99              | 1,710.04              | 1,687.05              | 6.47                             | 6.24                          | -176.74               | -254.25                             | 5.73                                | 476.98                          | 464.86                           | 12.11                     | 39.379            |                    |
| 1,900.00                                                | 1,881.54              | 1,802.91              | 1,777.79              | 6.84                             | 6.60                          | -176.20               | -273.61                             | 1.59                                | 513.80                          | 501.02                           | 12.78                     | 40.190            |                    |
| 2,000.00                                                | 1,980.09              | 1,895.78              | 1,868.52              | 7.21                             | 6.97                          | -175.73               | -292.97                             | -2.55                               | 550.67                          | 537.21                           | 13.46                     | 40.921            |                    |
| 2,100.00                                                | 2,078.64              | 1,988.65              | 1,959.26              | 7.58                             | 7.33                          | -175.31               | -312.33                             | -6.69                               | 587.56                          | 573.43                           | 14.13                     | 41.582            |                    |
| 2,200.00                                                | 2,177.19              | 2,081.52              | 2,049.99              | 7.95                             | 7.70                          | -174.95               | -331.69                             | -10.83                              | 624.47                          | 609.66                           | 14.80                     | 42.183            |                    |
| 2,300.00                                                | 2,275.75              | 2,174.39              | 2,140.73              | 8.32                             | 8.06                          | -174.63               | -351.05                             | -14.97                              | 661.40                          | 645.92                           | 15.48                     | 42.731            |                    |
| 2,400.00                                                | 2,374.30              | 2,267.26              | 2,231.46              | 8.69                             | 8.43                          | -174.34               | -370.41                             | -19.10                              | 698.35                          | 682.20                           | 16.15                     | 43.234            |                    |
| 2,500.00                                                | 2,472.85              | 2,360.13              | 2,322.20              | 9.06                             | 8.79                          | -174.08               | -389.77                             | -23.24                              | 735.31                          | 718.48                           | 16.83                     | 43.696            |                    |
| 2,600.00                                                | 2,571.40              | 2,453.00              | 2,412.93              | 9.43                             | 9.16                          | -173.85               | -409.13                             | -27.38                              | 772.28                          | 754.78                           | 17.50                     | 44.121            |                    |
| 2,700.00                                                | 2,669.95              | 2,545.86              | 2,503.66              | 9.80                             | 9.53                          | -173.63               | -428.49                             | -31.52                              | 809.27                          | 791.09                           | 18.18                     | 44.515            |                    |
| 2,800.00                                                | 2,768.50              | 2,638.73              | 2,594.40              | 10.17                            | 9.89                          | -173.44               | -447.85                             | -35.66                              | 846.26                          | 827.40                           | 18.86                     | 44.880            |                    |
| 2,900.00                                                | 2,867.06              | 2,731.60              | 2,685.13              | 10.54                            | 10.26                         | -173.26               | -467.21                             | -39.80                              | 883.26                          | 863.73                           | 19.53                     | 45.220            |                    |
| 3,000.00                                                | 2,965.61              | 2,824.47              | 2,775.87              | 10.92                            | 10.63                         | -173.10               | -486.57                             | -43.93                              | 920.27                          | 900.06                           | 20.21                     | 45.537            |                    |
| 3,100.00                                                | 3,064.16              | 2,917.34              | 2,866.60              | 11.29                            | 11.00                         | -172.94               | -505.93                             | -48.07                              | 957.28                          | 936.40                           | 20.89                     | 45.833            |                    |
| 3,200.00                                                | 3,162.72              | 3,010.21              | 2,957.34              | 11.66                            | 11.36                         | -172.84               | -525.29                             | -52.21                              | 994.28                          | 972.72                           | 21.56                     | 46.109            |                    |
| 3,300.00                                                | 3,261.19              | 3,102.80              | 3,047.79              | 12.02                            | 11.73                         | 144.11                | -544.59                             | -56.34                              | 1,030.70                        | 1,008.46                         | 22.23                     | 46.358            |                    |
| 3,400.00                                                | 3,358.69              | 3,194.17              | 3,137.07              | 12.38                            | 12.09                         | 122.66                | -563.64                             | -60.41                              | 1,066.23                        | 1,043.34                         | 22.89                     | 46.581            |                    |
| 3,500.00                                                | 3,454.14              | 3,283.34              | 3,224.19              | 12.72                            | 12.44                         | 111.00                | -582.23                             | -64.38                              | 1,101.01                        | 1,077.49                         | 23.53                     | 46.794            |                    |
| 3,600.00                                                | 3,546.50              | 3,369.33              | 3,308.20              | 13.04                            | 12.78                         | 104.31                | -600.15                             | -68.21                              | 1,135.39                        | 1,111.24                         | 24.15                     | 47.016            |                    |
| 3,700.00                                                | 3,634.76              | 3,451.18              | 3,388.17              | 13.35                            | 13.11                         | 100.22                | -617.22                             | -71.86                              | 1,169.84                        | 1,145.09                         | 24.75                     | 47.267            |                    |
| 3,800.00                                                | 3,717.94              | 3,528.01              | 3,463.24              | 13.64                            | 13.41                         | 97.53                 | -633.24                             | -75.28                              | 1,204.93                        | 1,179.60                         | 25.33                     | 47.567            |                    |
| 3,900.00                                                | 3,795.15              | 3,637.35              | 3,570.22              | 13.94                            | 13.84                         | 96.77                 | -655.54                             | -76.35                              | 1,240.50                        | 1,214.33                         | 26.16                     | 47.414            |                    |
| 4,000.00                                                | 3,865.52              | 3,783.79              | 3,712.90              | 14.28                            | 14.38                         | 97.44                 | -682.71                             | -58.78                              | 1,273.99                        | 1,246.78                         | 27.20                     | 46.829            |                    |
| 4,100.00                                                | 3,928.30              | 3,940.54              | 3,861.33              | 14.67                            | 14.90                         | 98.47                 | -707.58                             | -15.67                              | 1,303.69                        | 1,275.48                         | 28.21                     | 46.215            |                    |
| 4,200.00                                                | 3,982.79              | 4,180.53              | 4,071.44              | 15.11                            | 15.57                         | 101.11                | -735.98                             | 95.37                               | 1,327.32                        | 1,297.98                         | 29.34                     | 45.234            |                    |
| 4,300.00                                                | 4,032.79              | 4,448.80              | 4,267.20              | 15.59                            | 16.16                         | 104.25                | -751.82                             | 276.82                              | 1,341.45                        | 1,311.10                         | 30.35                     | 44.201            |                    |
| 4,400.00                                                | 4,082.79              | 4,654.88              | 4,381.19              | 16.11                            | 16.58                         | 104.76                | -752.09                             | 448.13                              | 1,343.60                        | 1,312.21                         | 31.39                     | 42.803            |                    |
| 4,404.45                                                | 4,085.00              | 4,659.33              | 4,383.41              | 16.14                            | 16.59                         | 104.76                | -752.03                             | 451.98                              | 1,343.60                        | 1,312.17                         | 31.43                     | 42.745            |                    |
| 4,500.00                                                | 4,125.25              | 4,754.40              | 4,430.94              | 16.67                            | 16.89                         | 104.89                | -750.66                             | 534.30                              | 1,345.77                        | 1,313.43                         | 32.34                     | 41.609            |                    |
| 4,600.00                                                | 4,151.36              | 4,928.99              | 4,507.00              | 17.25                            | 17.65                         | 105.83                | -748.06                             | 690.96                              | 1,351.45                        | 1,317.96                         | 33.49                     | 40.359            |                    |
| 4,700.00                                                | 4,160.63              | 5,139.11              | 4,535.81              | 17.84                            | 18.75                         | 106.03                | -744.62                             | 898.09                              | 1,351.83                        | 1,316.85                         | 34.97                     | 38.652            |                    |
| 4,800.00                                                | 4,164.07              | 5,239.10              | 4,537.78              | 18.45                            | 19.32                         | 105.97                | -742.96                             | 998.04                              | 1,351.42                        | 1,315.28                         | 36.14                     | 37.392            |                    |
| 4,900.00                                                | 4,167.52              | 5,339.09              | 4,539.76              | 19.11                            | 19.94                         | 105.91                | -741.29                             | 1,098.00                            | 1,351.01                        | 1,313.61                         | 37.40                     | 36.121            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - 91H - OH - PERMIT |                             |                             |                             |                                        |                                     |                             |                                           |                                           |                                          |                                           |                                 |                      | Offset Site Error: |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|-------------------------------------|-----------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------|-------------------------------------------|---------------------------------|----------------------|--------------------|
| Survey Program: 0-MWD+IFR1+SAG+FDIR                     |                             |                             |                             |                                        |                                     |                             |                                           |                                           |                                          |                                           |                                 |                      | 0.00 usft          |
| Rule Assigned:                                          |                             |                             |                             |                                        |                                     |                             |                                           |                                           |                                          |                                           |                                 |                      | Offset Well Error: |
| Warning                                                 |                             |                             |                             |                                        |                                     |                             |                                           |                                           |                                          |                                           |                                 |                      | 0.00 usft          |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Semi Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | Offset Wellbore Centre<br>+E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Distance<br>Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor |                    |
| 5,000.00                                                | 4,170.97                    | 5,439.08                    | 4,541.73                    | 19.81                                  | 20.60                               | 105.85                      | -739.63                                   | 1,197.96                                  | 1,350.61                                 | 1,311.86                                  | 38.75                           | 34.857               |                    |
| 5,100.00                                                | 4,174.42                    | 5,539.07                    | 4,543.70                    | 20.55                                  | 21.30                               | 105.79                      | -737.97                                   | 1,297.91                                  | 1,350.20                                 | 1,310.04                                  | 40.17                           | 33.615               |                    |
| 5,200.00                                                | 4,177.86                    | 5,639.06                    | 4,545.67                    | 21.33                                  | 22.04                               | 105.73                      | -736.31                                   | 1,397.87                                  | 1,349.80                                 | 1,308.15                                  | 41.65                           | 32.405               |                    |
| 5,300.00                                                | 4,181.31                    | 5,739.04                    | 4,547.65                    | 22.13                                  | 22.81                               | 105.67                      | -734.65                                   | 1,497.82                                  | 1,349.40                                 | 1,306.20                                  | 43.20                           | 31.234               |                    |
| 5,400.00                                                | 4,184.76                    | 5,839.03                    | 4,549.62                    | 22.96                                  | 23.61                               | 105.61                      | -732.99                                   | 1,597.78                                  | 1,349.00                                 | 1,304.20                                  | 44.81                           | 30.108               |                    |
| 5,500.00                                                | 4,188.21                    | 5,939.02                    | 4,551.59                    | 23.82                                  | 24.43                               | 105.54                      | -731.33                                   | 1,697.74                                  | 1,348.60                                 | 1,302.15                                  | 46.46                           | 29.028               |                    |
| 5,600.00                                                | 4,191.65                    | 6,039.01                    | 4,553.56                    | 24.69                                  | 25.28                               | 105.48                      | -729.67                                   | 1,797.69                                  | 1,348.21                                 | 1,300.05                                  | 48.16                           | 27.997               |                    |
| 5,700.00                                                | 4,195.10                    | 6,139.00                    | 4,555.53                    | 25.59                                  | 26.15                               | 105.42                      | -728.01                                   | 1,897.65                                  | 1,347.81                                 | 1,297.92                                  | 49.89                           | 27.014               |                    |
| 5,800.00                                                | 4,198.55                    | 6,238.99                    | 4,557.51                    | 26.50                                  | 27.03                               | 105.36                      | -726.35                                   | 1,997.60                                  | 1,347.42                                 | 1,295.75                                  | 51.67                           | 26.079               |                    |
| 5,900.00                                                | 4,202.00                    | 6,338.98                    | 4,559.48                    | 27.43                                  | 27.94                               | 105.30                      | -724.69                                   | 2,097.56                                  | 1,347.03                                 | 1,293.56                                  | 53.47                           | 25.191               |                    |
| 6,000.00                                                | 4,205.44                    | 6,438.97                    | 4,561.45                    | 28.37                                  | 28.86                               | 105.24                      | -723.03                                   | 2,197.51                                  | 1,346.64                                 | 1,291.33                                  | 55.31                           | 24.348               |                    |
| 6,100.00                                                | 4,208.89                    | 6,538.96                    | 4,563.42                    | 29.33                                  | 29.79                               | 105.18                      | -721.37                                   | 2,297.47                                  | 1,346.25                                 | 1,289.08                                  | 57.17                           | 23.548               |                    |
| 6,200.00                                                | 4,212.34                    | 6,638.95                    | 4,565.39                    | 30.30                                  | 30.74                               | 105.12                      | -719.71                                   | 2,397.43                                  | 1,345.86                                 | 1,286.81                                  | 59.06                           | 22.790               |                    |
| 6,300.00                                                | 4,215.79                    | 6,738.94                    | 4,567.37                    | 31.28                                  | 31.70                               | 105.06                      | -718.05                                   | 2,497.38                                  | 1,345.48                                 | 1,284.51                                  | 60.96                           | 22.070               |                    |
| 6,400.00                                                | 4,219.23                    | 6,838.93                    | 4,569.34                    | 32.26                                  | 32.67                               | 105.00                      | -716.39                                   | 2,597.34                                  | 1,345.09                                 | 1,282.20                                  | 62.89                           | 21.387               |                    |
| 6,500.00                                                | 4,222.68                    | 6,938.91                    | 4,571.31                    | 33.26                                  | 33.65                               | 104.94                      | -714.73                                   | 2,697.29                                  | 1,344.71                                 | 1,279.87                                  | 64.84                           | 20.739               |                    |
| 6,600.00                                                | 4,226.13                    | 7,038.90                    | 4,573.28                    | 34.27                                  | 34.64                               | 104.88                      | -713.07                                   | 2,797.25                                  | 1,344.33                                 | 1,277.53                                  | 66.81                           | 20.123               |                    |
| 6,700.00                                                | 4,229.58                    | 7,138.89                    | 4,575.26                    | 35.28                                  | 35.63                               | 104.82                      | -711.40                                   | 2,897.21                                  | 1,343.95                                 | 1,275.17                                  | 68.79                           | 19.538               |                    |
| 6,800.00                                                | 4,233.02                    | 7,238.88                    | 4,577.23                    | 36.30                                  | 36.64                               | 104.76                      | -709.74                                   | 2,997.16                                  | 1,343.57                                 | 1,272.79                                  | 70.78                           | 18.982               |                    |
| 6,900.00                                                | 4,236.47                    | 7,338.87                    | 4,579.20                    | 37.32                                  | 37.65                               | 104.70                      | -708.08                                   | 3,097.12                                  | 1,343.20                                 | 1,270.41                                  | 72.79                           | 18.454               |                    |
| 7,000.00                                                | 4,239.92                    | 7,438.86                    | 4,581.17                    | 38.35                                  | 38.67                               | 104.64                      | -706.42                                   | 3,197.07                                  | 1,342.82                                 | 1,268.01                                  | 74.81                           | 17.950               |                    |
| 7,100.00                                                | 4,243.37                    | 7,538.85                    | 4,583.14                    | 39.39                                  | 39.69                               | 104.57                      | -704.76                                   | 3,297.03                                  | 1,342.45                                 | 1,265.61                                  | 76.84                           | 17.471               |                    |
| 7,200.00                                                | 4,246.81                    | 7,638.84                    | 4,585.12                    | 40.43                                  | 40.72                               | 104.51                      | -703.10                                   | 3,396.98                                  | 1,342.08                                 | 1,263.20                                  | 78.88                           | 17.014               |                    |
| 7,300.00                                                | 4,250.26                    | 7,738.83                    | 4,587.09                    | 41.48                                  | 41.75                               | 104.45                      | -701.44                                   | 3,496.94                                  | 1,341.71                                 | 1,260.77                                  | 80.93                           | 16.578               |                    |
| 7,400.00                                                | 4,253.71                    | 7,838.82                    | 4,589.06                    | 42.53                                  | 42.79                               | 104.39                      | -699.78                                   | 3,596.90                                  | 1,341.34                                 | 1,258.34                                  | 83.00                           | 16.162               |                    |
| 7,500.00                                                | 4,257.16                    | 7,938.81                    | 4,591.03                    | 43.58                                  | 43.83                               | 104.33                      | -698.12                                   | 3,696.85                                  | 1,340.97                                 | 1,255.91                                  | 85.06                           | 15.764               |                    |
| 7,600.00                                                | 4,260.60                    | 8,038.79                    | 4,593.00                    | 44.64                                  | 44.88                               | 104.27                      | -696.46                                   | 3,796.81                                  | 1,340.60                                 | 1,253.46                                  | 87.14                           | 15.384               |                    |
| 7,700.00                                                | 4,264.05                    | 8,138.78                    | 4,594.98                    | 45.70                                  | 45.93                               | 104.21                      | -694.80                                   | 3,896.76                                  | 1,340.24                                 | 1,251.01                                  | 89.23                           | 15.020               |                    |
| 7,800.00                                                | 4,267.50                    | 8,238.77                    | 4,596.95                    | 46.76                                  | 46.98                               | 104.15                      | -693.14                                   | 3,996.72                                  | 1,339.88                                 | 1,248.56                                  | 91.32                           | 14.672               |                    |
| 7,900.00                                                | 4,270.95                    | 8,338.76                    | 4,598.92                    | 47.83                                  | 48.04                               | 104.09                      | -691.48                                   | 4,096.68                                  | 1,339.52                                 | 1,246.10                                  | 93.42                           | 14.339               |                    |
| 8,000.00                                                | 4,274.39                    | 8,438.75                    | 4,600.89                    | 48.89                                  | 49.10                               | 104.02                      | -689.82                                   | 4,196.63                                  | 1,339.16                                 | 1,243.63                                  | 95.53                           | 14.019               |                    |
| 8,100.00                                                | 4,277.84                    | 8,538.74                    | 4,602.87                    | 49.97                                  | 50.17                               | 103.96                      | -688.16                                   | 4,296.59                                  | 1,338.80                                 | 1,241.16                                  | 97.64                           | 13.712               |                    |
| 8,200.00                                                | 4,281.29                    | 8,638.73                    | 4,604.84                    | 51.04                                  | 51.23                               | 103.90                      | -686.50                                   | 4,396.54                                  | 1,338.44                                 | 1,238.69                                  | 99.75                           | 13.417               |                    |
| 8,300.00                                                | 4,284.74                    | 8,738.72                    | 4,606.81                    | 52.12                                  | 52.30                               | 103.84                      | -684.84                                   | 4,496.50                                  | 1,338.09                                 | 1,236.21                                  | 101.88                          | 13.134               |                    |
| 8,400.00                                                | 4,288.18                    | 8,838.71                    | 4,608.78                    | 53.19                                  | 53.37                               | 103.78                      | -683.18                                   | 4,596.46                                  | 1,337.73                                 | 1,233.73                                  | 104.00                          | 12.862               |                    |
| 8,500.00                                                | 4,291.63                    | 8,938.70                    | 4,610.75                    | 54.27                                  | 54.45                               | 103.72                      | -681.52                                   | 4,696.41                                  | 1,337.38                                 | 1,231.25                                  | 106.14                          | 12.601               |                    |
| 8,600.00                                                | 4,295.08                    | 9,038.69                    | 4,612.73                    | 55.36                                  | 55.52                               | 103.66                      | -679.85                                   | 4,796.37                                  | 1,337.03                                 | 1,228.76                                  | 108.27                          | 12.349               |                    |
| 8,700.00                                                | 4,298.53                    | 9,138.67                    | 4,614.70                    | 56.44                                  | 56.60                               | 103.60                      | -678.19                                   | 4,896.32                                  | 1,336.68                                 | 1,226.27                                  | 110.41                          | 12.106               |                    |
| 8,800.00                                                | 4,301.97                    | 9,238.66                    | 4,616.67                    | 57.53                                  | 57.68                               | 103.53                      | -676.53                                   | 4,996.28                                  | 1,336.33                                 | 1,223.78                                  | 112.56                          | 11.872               |                    |
| 8,900.00                                                | 4,305.42                    | 9,338.65                    | 4,618.64                    | 58.61                                  | 58.76                               | 103.47                      | -674.87                                   | 5,096.23                                  | 1,335.99                                 | 1,221.28                                  | 114.71                          | 11.647               |                    |
| 9,000.00                                                | 4,308.87                    | 9,438.64                    | 4,620.61                    | 59.70                                  | 59.84                               | 103.41                      | -673.21                                   | 5,196.19                                  | 1,335.64                                 | 1,218.79                                  | 116.86                          | 11.430               |                    |
| 9,100.00                                                | 4,312.32                    | 9,538.63                    | 4,622.59                    | 60.79                                  | 60.93                               | 103.35                      | -671.55                                   | 5,296.15                                  | 1,335.30                                 | 1,216.29                                  | 119.02                          | 11.220               |                    |
| 9,200.00                                                | 4,315.76                    | 9,638.62                    | 4,624.56                    | 61.88                                  | 62.01                               | 103.29                      | -669.89                                   | 5,396.10                                  | 1,334.96                                 | 1,213.79                                  | 121.18                          | 11.017               |                    |
| 9,300.00                                                | 4,319.21                    | 9,738.61                    | 4,626.53                    | 62.97                                  | 63.10                               | 103.23                      | -668.23                                   | 5,496.06                                  | 1,334.62                                 | 1,211.28                                  | 123.34                          | 10.821               |                    |
| 9,400.00                                                | 4,322.66                    | 9,838.60                    | 4,628.50                    | 64.07                                  | 64.19                               | 103.16                      | -666.57                                   | 5,596.01                                  | 1,334.28                                 | 1,208.78                                  | 125.50                          | 10.631               |                    |
| 9,500.00                                                | 4,326.11                    | 9,938.59                    | 4,630.48                    | 65.16                                  | 65.28                               | 103.10                      | -664.91                                   | 5,695.97                                  | 1,333.95                                 | 1,206.27                                  | 127.67                          | 10.448               |                    |
| 9,600.00                                                | 4,329.55                    | 10,038.58                   | 4,632.45                    | 66.26                                  | 66.37                               | 103.04                      | -663.25                                   | 5,795.93                                  | 1,333.61                                 | 1,203.77                                  | 129.85                          | 10.271               |                    |
| 9,700.00                                                | 4,333.00                    | 10,138.57                   | 4,634.42                    | 67.35                                  | 67.46                               | 102.98                      | -661.59                                   | 5,895.88                                  | 1,333.28                                 | 1,201.26                                  | 132.02                          | 10.099               |                    |
| 9,733.29                                                | 4,334.15                    | 10,167.99                   | 4,635.00                    | 67.72                                  | 67.78                               | 102.96                      | -661.10                                   | 5,925.30                                  | 1,333.17                                 | 1,200.47                                  | 132.71                          | 10.046               |                    |
| 9,757.94                                                | 4,335.00                    | 10,167.99                   | 4,635.00                    | 67.99                                  | 67.78                               | 102.96                      | -661.10                                   | 5,925.30                                  | 1,333.39                                 | 1,200.42                                  | 132.97                          | 10.028 SF            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design:SMITHDALE 29 FEDERAL - OFFSET: ANTHONEY 1 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                 |        |                       |                        |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------|--------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 1006-INC-ONLY                                                       |                       | Offset                |                       | Semi Major Axis |        |                       | Offset Wellbore Centre |              | Rule Assigned:         |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                           | Offset                | Reference             | Offset                | Reference       | Offset | Highside Toolface (°) | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| Measured Depth (usft)                                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | (usft)          | (usft) |                       |                        |              |                        |                         |                           |                   |                    |           |
| 0.00                                                                                | 0.00                  | 8.00                  | 8.00                  | 0.00            | 0.14   | 141.96                | -550.82                | 430.89       | 699.33                 |                         |                           |                   |                    |           |
| 100.00                                                                              | 100.00                | 108.00                | 108.00                | 0.29            | 1.89   | 141.96                | -550.82                | 430.89       | 699.33                 | 697.16                  | 2.18                      | 320.901           |                    |           |
| 200.00                                                                              | 200.00                | 208.00                | 208.00                | 0.65            | 3.64   | 141.96                | -550.82                | 430.89       | 699.33                 | 695.04                  | 4.29                      | 163.012           |                    |           |
| 300.00                                                                              | 300.00                | 308.00                | 308.00                | 1.00            | 5.40   | 141.96                | -550.82                | 430.89       | 699.33                 | 692.93                  | 6.40                      | 109.256 CC        |                    |           |
| 400.00                                                                              | 399.98                | 407.98                | 407.98                | 1.36            | 7.15   | 149.01                | -550.82                | 430.89       | 700.83                 | 692.32                  | 8.51                      | 82.337 ES         |                    |           |
| 500.00                                                                              | 499.84                | 507.84                | 507.84                | 1.73            | 8.90   | 149.18                | -550.82                | 430.89       | 705.32                 | 694.70                  | 10.62                     | 66.397            |                    |           |
| 600.00                                                                              | 599.45                | 607.45                | 607.45                | 2.09            | 10.64  | 149.46                | -550.82                | 430.89       | 712.83                 | 700.10                  | 12.73                     | 55.996            |                    |           |
| 700.00                                                                              | 698.70                | 706.70                | 706.70                | 2.45            | 12.38  | 149.85                | -550.82                | 430.89       | 723.36                 | 708.53                  | 14.83                     | 48.776            |                    |           |
| 800.00                                                                              | 797.47                | 805.47                | 805.47                | 2.82            | 14.11  | 150.34                | -550.82                | 430.89       | 736.94                 | 720.02                  | 16.92                     | 43.542            |                    |           |
| 900.00                                                                              | 896.02                | 904.02                | 904.02                | 3.17            | 15.84  | 150.97                | -550.82                | 430.89       | 751.77                 | 732.77                  | 19.00                     | 39.557            |                    |           |
| 1,000.00                                                                            | 994.57                | 1,002.57              | 1,002.57              | 3.53            | 17.57  | 151.59                | -550.82                | 430.89       | 766.70                 | 745.61                  | 21.09                     | 36.361            |                    |           |
| 1,100.00                                                                            | 1,093.12              | 1,101.13              | 1,101.12              | 3.89            | 19.34  | 152.18                | -550.82                | 430.89       | 781.70                 | 758.49                  | 23.21                     | 33.675            |                    |           |
| 1,200.00                                                                            | 1,191.68              | 1,199.68              | 1,199.68              | 4.26            | 21.11  | 152.74                | -550.82                | 430.89       | 796.78                 | 771.44                  | 25.34                     | 31.440            |                    |           |
| 1,300.00                                                                            | 1,290.23              | 1,298.02              | 1,298.01              | 4.63            | 22.88  | 153.28                | -550.55                | 430.89       | 811.71                 | 784.24                  | 27.47                     | 29.550            |                    |           |
| 1,400.00                                                                            | 1,388.78              | 1,395.98              | 1,395.98              | 4.99            | 24.65  | 153.80                | -550.62                | 430.89       | 827.00                 | 797.41                  | 29.59                     | 27.950            |                    |           |
| 1,500.00                                                                            | 1,487.33              | 1,493.92              | 1,493.92              | 5.36            | 26.41  | 154.31                | -550.77                | 430.89       | 842.42                 | 810.71                  | 31.71                     | 26.568            |                    |           |
| 1,600.00                                                                            | 1,585.88              | 1,593.90              | 1,593.88              | 5.73            | 28.27  | 154.81                | -550.82                | 430.89       | 857.81                 | 823.89                  | 33.92                     | 25.288            |                    |           |
| 1,700.00                                                                            | 1,684.43              | 1,692.45              | 1,692.43              | 6.10            | 30.11  | 155.29                | -550.82                | 430.89       | 873.23                 | 837.10                  | 36.13                     | 24.172            |                    |           |
| 1,800.00                                                                            | 1,782.99              | 1,790.67              | 1,790.65              | 6.47            | 31.95  | 155.72                | -550.28                | 430.89       | 888.24                 | 849.92                  | 38.32                     | 23.178            |                    |           |
| 1,900.00                                                                            | 1,881.54              | 1,887.89              | 1,887.87              | 6.84            | 33.77  | 156.16                | -550.41                | 430.89       | 903.87                 | 863.37                  | 40.50                     | 22.318            |                    |           |
| 2,000.00                                                                            | 1,980.09              | 1,985.06              | 1,985.04              | 7.21            | 35.59  | 156.59                | -550.70                | 430.89       | 919.70                 | 877.02                  | 42.68                     | 21.551            |                    |           |
| 2,100.00                                                                            | 2,078.64              | 2,086.69              | 2,086.64              | 7.58            | 37.57  | 157.02                | -550.82                | 430.89       | 935.42                 | 890.41                  | 45.01                     | 20.781            |                    |           |
| 2,200.00                                                                            | 2,177.19              | 2,185.24              | 2,185.19              | 7.95            | 39.52  | 157.42                | -550.82                | 430.89       | 951.09                 | 903.77                  | 47.32                     | 20.099            |                    |           |
| 2,300.00                                                                            | 2,275.75              | 2,283.44              | 2,283.39              | 8.32            | 41.46  | 157.78                | -550.00                | 430.89       | 966.08                 | 916.46                  | 49.62                     | 19.470            |                    |           |
| 2,400.00                                                                            | 2,374.30              | 2,379.84              | 2,379.79              | 8.69            | 43.37  | 158.15                | -550.16                | 430.89       | 981.98                 | 930.10                  | 51.88                     | 18.928            |                    |           |
| 2,500.00                                                                            | 2,472.85              | 2,476.16              | 2,476.10              | 9.06            | 45.27  | 158.51                | -550.56                | 430.89       | 998.13                 | 943.99                  | 54.14                     | 18.436            |                    |           |
| 2,600.00                                                                            | 2,571.40              | 2,579.50              | 2,579.40              | 9.43            | 47.36  | 158.89                | -550.82                | 430.89       | 1,014.18               | 957.59                  | 56.59                     | 17.921            |                    |           |
| 2,700.00                                                                            | 2,669.95              | 2,678.06              | 2,677.95              | 9.80            | 49.39  | 159.22                | -550.82                | 430.89       | 1,030.05               | 971.07                  | 58.98                     | 17.465            |                    |           |
| 2,800.00                                                                            | 2,768.50              | 2,776.49              | 2,776.38              | 10.17           | 51.42  | 159.53                | -549.72                | 430.89       | 1,044.97               | 983.61                  | 61.36                     | 17.030            |                    |           |
| 2,900.00                                                                            | 2,867.06              | 2,871.94              | 2,871.83              | 10.54           | 53.38  | 159.84                | -549.89                | 430.89       | 1,061.05               | 997.38                  | 63.68                     | 16.663            |                    |           |
| 3,000.00                                                                            | 2,965.61              | 2,967.29              | 2,967.17              | 10.92           | 55.34  | 160.15                | -550.37                | 430.89       | 1,077.46               | 1,011.47                | 65.99                     | 16.328            |                    |           |
| 3,100.00                                                                            | 3,064.16              | 3,072.34              | 3,072.16              | 11.29           | 57.54  | 160.48                | -550.82                | 430.89       | 1,093.84               | 1,025.29                | 68.55                     | 15.956            |                    |           |
| 3,200.00                                                                            | 3,162.72              | 3,170.90              | 3,170.72              | 11.66           | 59.65  | 152.48                | -550.82                | 430.89       | 1,109.72               | 1,038.70                | 71.02                     | 15.625            |                    |           |
| 3,300.00                                                                            | 3,261.19              | 3,269.23              | 3,269.04              | 12.02           | 61.75  | 119.76                | -549.78                | 430.89       | 1,120.97               | 1,047.49                | 73.48                     | 15.255            |                    |           |
| 3,400.00                                                                            | 3,358.69              | 3,363.22              | 3,363.03              | 12.38           | 63.76  | 100.10                | -549.95                | 430.89       | 1,128.23               | 1,052.39                | 75.84                     | 14.876            |                    |           |
| 3,500.00                                                                            | 3,454.14              | 3,455.16              | 3,454.95              | 12.72           | 65.73  | 90.33                 | -550.43                | 430.89       | 1,131.12               | 1,052.97                | 78.15                     | 14.473            |                    |           |
| 3,600.00                                                                            | 3,546.50              | 3,554.77              | 3,554.50              | 13.04           | 67.88  | 85.94                 | -550.82                | 430.89       | 1,129.86               | 1,049.21                | 80.65                     | 14.009            |                    |           |
| 3,700.00                                                                            | 3,634.76              | 3,643.03              | 3,642.76              | 13.35           | 69.78  | 84.26                 | -550.82                | 430.89       | 1,125.13               | 1,042.22                | 82.91                     | 13.571            |                    |           |
| 3,800.00                                                                            | 3,717.94              | 3,726.22              | 3,725.94              | 13.64           | 71.58  | 84.26                 | -550.82                | 430.89       | 1,118.35               | 1,033.29                | 85.05                     | 13.149            |                    |           |
| 3,900.00                                                                            | 3,795.15              | 3,802.16              | 3,801.87              | 13.94           | 73.23  | 85.22                 | -549.37                | 430.89       | 1,109.38               | 1,022.33                | 87.05                     | 12.744            |                    |           |
| 4,000.00                                                                            | 3,865.52              | 3,869.56              | 3,869.27              | 14.28           | 74.68  | 86.69                 | -549.54                | 430.89       | 1,102.63               | 1,013.75                | 88.88                     | 12.406            |                    |           |
| 4,100.00                                                                            | 3,928.30              | 3,929.67              | 3,929.37              | 14.67           | 75.98  | 88.35                 | -549.85                | 430.89       | 1,098.13               | 1,007.57                | 90.57                     | 12.125            |                    |           |
| 4,170.65                                                                            | 3,967.70              | 3,967.39              | 3,967.09              | 14.98           | 76.80  | 89.47                 | -550.12                | 430.89       | 1,097.07               | 1,005.40                | 91.67                     | 11.967            |                    |           |
| 4,200.00                                                                            | 3,982.79              | 3,981.85              | 3,981.54              | 15.11           | 77.11  | 89.90                 | -550.24                | 430.89       | 1,097.27               | 1,005.17                | 92.10                     | 11.914            |                    |           |
| 4,300.00                                                                            | 4,032.79              | 4,029.72              | 4,029.41              | 15.59           | 78.15  | 92.05                 | -550.69                | 430.89       | 1,102.08               | 1,008.52                | 93.56                     | 11.779            |                    |           |
| 4,400.00                                                                            | 4,082.79              | 4,091.17              | 4,090.79              | 16.11           | 79.48  | 94.82                 | -550.82                | 430.89       | 1,113.23               | 1,017.87                | 95.36                     | 11.673 SF         |                    |           |
| 4,500.00                                                                            | 4,125.25              | 4,133.62              | 4,133.25              | 16.67           | 80.41  | 94.94                 | -550.82                | 430.89       | 1,131.77               | 1,035.06                | 96.71                     | 11.702            |                    |           |
| 4,600.00                                                                            | 4,151.36              | 4,159.74              | 4,159.36              | 17.25           | 80.97  | 93.42                 | -550.82                | 430.89       | 1,159.01               | 1,061.35                | 97.66                     | 11.868            |                    |           |
| 4,700.00                                                                            | 4,160.63              | 4,169.00              | 4,168.63              | 17.84           | 81.18  | 90.85                 | -550.82                | 430.89       | 1,194.63               | 1,096.48                | 98.15                     | 12.171            |                    |           |
| 4,800.00                                                                            | 4,164.07              | 4,172.45              | 4,172.07              | 18.45           | 81.25  | 91.03                 | -550.82                | 430.89       | 1,237.47               | 1,138.99                | 98.48                     | 12.566            |                    |           |
| 4,900.00                                                                            | 4,167.52              | 4,175.90              | 4,175.52              | 19.11           | 81.33  | 91.21                 | -550.82                | 430.89       | 1,286.66               | 1,187.88                | 98.78                     | 13.026            |                    |           |
| 5,000.00                                                                            | 4,170.97              | 4,179.35              | 4,178.97              | 19.81           | 81.40  | 91.39                 | -550.82                | 430.89       | 1,341.50               | 1,242.45                | 99.05                     | 13.544            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design:SMITHDALE 29 FEDERAL - OFFSET: ANTHONY 1 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |              |                        |                        |                         |                           |                   | Offset Site Error: | 0.00 usft          |           |
|------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|------------------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--------------------|-----------|
| Survey Program: 1006-INC-ONLY                                                      |                       |                       |                       | Offset           |               | Semi Major Axis       |              | Offset Wellbore Centre |                        | Rule Assigned:          |                           |                   |                    | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft)           | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |                    |           |
| 5,100.00                                                                           | 4,174.42              | 4,182.79              | 4,182.42              | 20.55            | 81.48         | 91.57                 | -550.82      | 430.89                 | 1,401.34               | 1,302.04                | 99.29                     | 14.113            |                    |                    |           |
| 5,200.00                                                                           | 4,177.86              | 4,186.24              | 4,185.86              | 21.33            | 81.55         | 91.75                 | -550.82      | 430.89                 | 1,465.55               | 1,366.03                | 99.51                     | 14.727            |                    |                    |           |
| 5,300.00                                                                           | 4,181.31              | 4,189.69              | 4,189.31              | 22.13            | 81.63         | 91.93                 | -550.82      | 430.89                 | 1,533.59               | 1,433.88                | 99.71                     | 15.380            |                    |                    |           |
| 5,400.00                                                                           | 4,184.76              | 4,193.14              | 4,192.76              | 22.96            | 81.70         | 92.11                 | -550.82      | 430.89                 | 1,604.97               | 1,505.08                | 99.89                     | 16.067            |                    |                    |           |
| 5,500.00                                                                           | 4,188.21              | 4,196.58              | 4,196.21              | 23.82            | 81.78         | 92.29                 | -550.82      | 430.89                 | 1,679.27               | 1,579.21                | 100.06                    | 16.783            |                    |                    |           |
| 5,600.00                                                                           | 4,191.65              | 4,200.03              | 4,199.65              | 24.69            | 81.85         | 92.46                 | -550.82      | 430.89                 | 1,756.12               | 1,655.91                | 100.21                    | 17.524            |                    |                    |           |
| 5,700.00                                                                           | 4,195.10              | 4,203.48              | 4,203.10              | 25.59            | 81.93         | 92.64                 | -550.82      | 430.89                 | 1,835.19               | 1,734.84                | 100.35                    | 18.287            |                    |                    |           |
| 5,800.00                                                                           | 4,198.55              | 4,206.93              | 4,206.55              | 26.50            | 82.00         | 92.82                 | -550.82      | 430.89                 | 1,916.21               | 1,815.72                | 100.49                    | 19.069            |                    |                    |           |
| 5,900.00                                                                           | 4,202.00              | 4,210.37              | 4,210.00              | 27.43            | 82.08         | 93.00                 | -550.82      | 430.89                 | 1,998.95               | 1,898.33                | 100.61                    | 19.868            |                    |                    |           |
| 6,000.00                                                                           | 4,205.44              | 4,213.82              | 4,213.44              | 28.37            | 82.15         | 93.18                 | -550.82      | 430.89                 | 2,083.19               | 1,982.46                | 100.73                    | 20.680            |                    |                    |           |
| 6,100.00                                                                           | 4,208.89              | 4,217.27              | 4,216.89              | 29.33            | 82.23         | 93.36                 | -550.82      | 430.89                 | 2,168.77               | 2,067.92                | 100.85                    | 21.505            |                    |                    |           |
| 6,200.00                                                                           | 4,212.34              | 4,220.72              | 4,220.34              | 30.30            | 82.30         | 93.54                 | -550.82      | 430.89                 | 2,255.53               | 2,154.57                | 100.96                    | 22.340            |                    |                    |           |
| 6,300.00                                                                           | 4,215.79              | 4,224.16              | 4,223.79              | 31.28            | 82.38         | 93.72                 | -550.82      | 430.89                 | 2,343.34               | 2,242.27                | 101.07                    | 23.185            |                    |                    |           |
| 6,400.00                                                                           | 4,219.23              | 4,227.61              | 4,227.23              | 32.26            | 82.45         | 93.90                 | -550.82      | 430.89                 | 2,432.09               | 2,330.91                | 101.18                    | 24.037            |                    |                    |           |
| 6,500.00                                                                           | 4,222.68              | 4,231.06              | 4,230.68              | 33.26            | 82.53         | 94.08                 | -550.82      | 430.89                 | 2,521.67               | 2,420.39                | 101.29                    | 24.896            |                    |                    |           |
| 6,600.00                                                                           | 4,226.13              | 4,234.51              | 4,234.13              | 34.27            | 82.60         | 94.26                 | -550.82      | 430.89                 | 2,612.01               | 2,510.62                | 101.39                    | 25.762            |                    |                    |           |
| 6,700.00                                                                           | 4,229.58              | 4,237.95              | 4,237.58              | 35.28            | 82.68         | 94.44                 | -550.82      | 430.89                 | 2,703.02               | 2,601.52                | 101.50                    | 26.632            |                    |                    |           |
| 6,800.00                                                                           | 4,233.02              | 4,241.40              | 4,241.02              | 36.30            | 82.75         | 94.61                 | -550.82      | 430.89                 | 2,794.64               | 2,693.04                | 101.60                    | 27.506            |                    |                    |           |
| 6,900.00                                                                           | 4,236.47              | 4,244.85              | 4,244.47              | 37.32            | 82.83         | 94.79                 | -550.82      | 430.89                 | 2,886.82               | 2,785.11                | 101.70                    | 28.384            |                    |                    |           |
| 7,000.00                                                                           | 4,239.92              | 4,248.30              | 4,247.92              | 38.35            | 82.90         | 94.97                 | -550.82      | 430.89                 | 2,979.49               | 2,877.68                | 101.81                    | 29.266            |                    |                    |           |
| 7,100.00                                                                           | 4,243.37              | 4,251.74              | 4,251.37              | 39.39            | 82.98         | 95.15                 | -550.82      | 430.89                 | 3,072.62               | 2,970.71                | 101.91                    | 30.150            |                    |                    |           |
| 7,200.00                                                                           | 4,246.81              | 4,255.19              | 4,254.81              | 40.43            | 83.05         | 95.33                 | -550.82      | 430.89                 | 3,166.17               | 3,064.15                | 102.02                    | 31.036            |                    |                    |           |
| 7,300.00                                                                           | 4,250.26              | 4,258.64              | 4,258.26              | 41.48            | 83.13         | 95.51                 | -550.82      | 430.89                 | 3,260.09               | 3,157.97                | 102.12                    | 31.924            |                    |                    |           |
| 7,400.00                                                                           | 4,253.71              | 4,262.09              | 4,261.71              | 42.53            | 83.20         | 95.68                 | -550.82      | 430.89                 | 3,354.37               | 3,252.14                | 102.23                    | 32.813            |                    |                    |           |
| 7,500.00                                                                           | 4,257.16              | 4,265.53              | 4,265.16              | 43.58            | 83.28         | 95.86                 | -550.82      | 430.89                 | 3,448.96               | 3,346.63                | 102.33                    | 33.703            |                    |                    |           |
| 7,600.00                                                                           | 4,260.60              | 4,268.98              | 4,268.60              | 44.64            | 83.35         | 96.04                 | -550.82      | 430.89                 | 3,543.85               | 3,441.41                | 102.44                    | 34.594            |                    |                    |           |
| 7,700.00                                                                           | 4,264.05              | 4,272.43              | 4,272.05              | 45.70            | 83.43         | 96.22                 | -550.82      | 430.89                 | 3,639.00               | 3,536.45                | 102.55                    | 35.486            |                    |                    |           |
| 7,800.00                                                                           | 4,267.50              | 4,275.88              | 4,275.50              | 46.76            | 83.50         | 96.40                 | -550.82      | 430.89                 | 3,734.41               | 3,631.75                | 102.66                    | 36.378            |                    |                    |           |
| 7,900.00                                                                           | 4,270.95              | 4,279.21              | 4,278.82              | 47.83            | 83.57         | 96.57                 | -549.80      | 430.89                 | 3,829.74               | 3,726.98                | 102.76                    | 37.270            |                    |                    |           |
| 8,000.00                                                                           | 4,274.39              | 4,282.51              | 4,282.12              | 48.89            | 83.65         | 96.74                 | -549.80      | 430.89                 | 3,925.60               | 3,822.73                | 102.86                    | 38.163            |                    |                    |           |
| 8,100.00                                                                           | 4,277.84              | 4,285.82              | 4,285.43              | 49.97            | 83.72         | 96.91                 | -549.80      | 430.89                 | 4,021.66               | 3,918.68                | 102.97                    | 39.056            |                    |                    |           |
| 8,200.00                                                                           | 4,281.29              | 4,289.12              | 4,288.73              | 51.04            | 83.79         | 97.08                 | -549.80      | 430.89                 | 4,117.90               | 4,014.82                | 103.08                    | 39.949            |                    |                    |           |
| 8,300.00                                                                           | 4,284.74              | 4,292.42              | 4,292.04              | 52.12            | 83.86         | 97.25                 | -549.80      | 430.89                 | 4,214.31               | 4,111.13                | 103.19                    | 40.841            |                    |                    |           |
| 8,400.00                                                                           | 4,288.18              | 4,295.73              | 4,295.34              | 53.19            | 83.93         | 97.42                 | -549.80      | 430.89                 | 4,310.89               | 4,207.59                | 103.30                    | 41.732            |                    |                    |           |
| 8,500.00                                                                           | 4,291.63              | 4,299.03              | 4,298.64              | 54.27            | 84.01         | 97.59                 | -549.81      | 430.89                 | 4,407.62               | 4,304.21                | 103.41                    | 42.623            |                    |                    |           |
| 8,600.00                                                                           | 4,295.08              | 4,302.33              | 4,301.95              | 55.36            | 84.08         | 97.76                 | -549.81      | 430.89                 | 4,504.48               | 4,400.96                | 103.52                    | 43.512            |                    |                    |           |
| 8,700.00                                                                           | 4,298.53              | 4,305.64              | 4,305.25              | 56.44            | 84.15         | 97.93                 | -549.81      | 430.89                 | 4,601.48               | 4,497.85                | 103.64                    | 44.401            |                    |                    |           |
| 8,800.00                                                                           | 4,301.97              | 4,308.94              | 4,308.55              | 57.53            | 84.22         | 98.10                 | -549.82      | 430.89                 | 4,698.60               | 4,594.85                | 103.75                    | 45.288            |                    |                    |           |
| 8,900.00                                                                           | 4,305.42              | 4,312.24              | 4,311.85              | 58.61            | 84.29         | 98.27                 | -549.82      | 430.89                 | 4,795.84               | 4,691.98                | 103.86                    | 46.174            |                    |                    |           |
| 9,000.00                                                                           | 4,308.87              | 4,315.54              | 4,315.15              | 59.70            | 84.37         | 98.44                 | -549.83      | 430.89                 | 4,893.19               | 4,789.21                | 103.98                    | 47.059            |                    |                    |           |
| 9,100.00                                                                           | 4,312.32              | 4,318.84              | 4,318.46              | 60.79            | 84.44         | 98.61                 | -549.83      | 430.89                 | 4,990.64               | 4,886.54                | 104.10                    | 47.942            |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: ANTHONEY 2 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   |         | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|-------------------|---------|--------------------|-----------|
| Survey Program: 1004-INC-ONLY                                                        |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   |         | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |                    |           |
| 0.00                                                                                 | 0.00                  | 23.00                 | 23.00                 | 0.00                             | 0.40                          | -177.89               | -1,174.23                           | -43.26                              | 1,175.03                        |                                  |                           |                   |         |                    |           |
| 100.00                                                                               | 100.00                | 123.00                | 123.00                | 0.29                             | 2.16                          | -177.89               | -1,174.23                           | -43.26                              | 1,175.03                        | 1,172.58                         | 2.44                      | 481.156           |         |                    |           |
| 200.00                                                                               | 200.00                | 223.00                | 223.00                | 0.65                             | 3.91                          | -177.89               | -1,174.23                           | -43.26                              | 1,175.03                        | 1,170.47                         | 4.55                      | 258.086           |         |                    |           |
| 300.00                                                                               | 300.00                | 323.00                | 323.00                | 1.00                             | 5.66                          | -177.89               | -1,174.23                           | -43.26                              | 1,175.03                        | 1,168.36                         | 6.66                      | 176.335 CC        |         |                    |           |
| 400.00                                                                               | 399.98                | 422.98                | 422.98                | 1.36                             | 7.41                          | -170.91               | -1,174.23                           | -43.26                              | 1,176.75                        | 1,167.97                         | 8.77                      | 134.104 ES        |         |                    |           |
| 500.00                                                                               | 499.84                | 522.84                | 522.84                | 1.73                             | 9.16                          | -170.94               | -1,174.23                           | -43.26                              | 1,181.92                        | 1,171.03                         | 10.89                     | 108.556           |         |                    |           |
| 600.00                                                                               | 599.45                | 622.45                | 622.45                | 2.09                             | 10.91                         | -170.98               | -1,174.23                           | -43.26                              | 1,190.53                        | 1,177.53                         | 13.00                     | 91.605            |         |                    |           |
| 700.00                                                                               | 698.70                | 721.70                | 721.70                | 2.45                             | 12.65                         | -171.03               | -1,174.23                           | -43.26                              | 1,202.56                        | 1,187.47                         | 15.10                     | 79.650            |         |                    |           |
| 800.00                                                                               | 797.47                | 820.47                | 820.47                | 2.82                             | 14.38                         | -171.10               | -1,174.23                           | -43.26                              | 1,218.00                        | 1,200.80                         | 17.19                     | 70.837            |         |                    |           |
| 900.00                                                                               | 896.02                | 919.02                | 919.02                | 3.17                             | 16.10                         | -171.22               | -1,174.23                           | -43.26                              | 1,234.76                        | 1,215.49                         | 19.27                     | 64.070            |         |                    |           |
| 1,000.00                                                                             | 994.57                | 1,017.58              | 1,017.57              | 3.53                             | 17.83                         | -171.34               | -1,174.23                           | -43.26                              | 1,251.53                        | 1,230.17                         | 21.35                     | 58.609            |         |                    |           |
| 1,100.00                                                                             | 1,093.12              | 1,116.13              | 1,116.12              | 3.89                             | 19.58                         | -171.46               | -1,174.23                           | -43.26                              | 1,268.30                        | 1,244.85                         | 23.45                     | 54.078            |         |                    |           |
| 1,200.00                                                                             | 1,191.68              | 1,214.68              | 1,214.68              | 4.26                             | 21.33                         | -171.57               | -1,174.23                           | -43.26                              | 1,285.08                        | 1,259.52                         | 25.55                     | 50.290            |         |                    |           |
| 1,300.00                                                                             | 1,290.23              | 1,312.41              | 1,312.41              | 4.63                             | 23.06                         | -171.68               | -1,173.99                           | -43.26                              | 1,301.62                        | 1,273.98                         | 27.64                     | 47.093            |         |                    |           |
| 1,400.00                                                                             | 1,388.78              | 1,409.79              | 1,409.78              | 4.99                             | 24.78                         | -171.78               | -1,174.09                           | -43.26                              | 1,318.51                        | 1,288.79                         | 29.72                     | 44.366            |         |                    |           |
| 1,500.00                                                                             | 1,487.33              | 1,510.34              | 1,510.33              | 5.36                             | 26.56                         | -171.89               | -1,174.23                           | -43.26                              | 1,335.44                        | 1,303.58                         | 31.86                     | 41.920            |         |                    |           |
| 1,600.00                                                                             | 1,585.88              | 1,608.89              | 1,608.88              | 5.73                             | 28.31                         | -171.99               | -1,174.23                           | -43.26                              | 1,352.23                        | 1,318.27                         | 33.96                     | 39.820            |         |                    |           |
| 1,700.00                                                                             | 1,684.43              | 1,707.44              | 1,707.43              | 6.10                             | 30.06                         | -172.09               | -1,174.23                           | -43.26                              | 1,369.03                        | 1,332.97                         | 36.06                     | 37.965            |         |                    |           |
| 1,800.00                                                                             | 1,782.99              | 1,805.13              | 1,805.12              | 6.47                             | 31.79                         | -172.19               | -1,173.98                           | -43.26                              | 1,385.58                        | 1,347.44                         | 38.15                     | 36.322            |         |                    |           |
| 1,900.00                                                                             | 1,881.54              | 1,902.48              | 1,902.48              | 6.84                             | 33.51                         | -172.28               | -1,174.08                           | -43.26                              | 1,402.49                        | 1,362.26                         | 40.23                     | 34.864            |         |                    |           |
| 2,000.00                                                                             | 1,980.09              | 2,003.10              | 2,003.09              | 7.21                             | 35.30                         | -172.37               | -1,174.23                           | -43.26                              | 1,419.45                        | 1,377.07                         | 42.38                     | 33.494            |         |                    |           |
| 2,100.00                                                                             | 2,078.64              | 2,101.65              | 2,101.64              | 7.58                             | 37.11                         | -172.46               | -1,174.23                           | -43.26                              | 1,436.26                        | 1,391.73                         | 44.54                     | 32.248            |         |                    |           |
| 2,200.00                                                                             | 2,177.19              | 2,200.21              | 2,200.19              | 7.95                             | 38.91                         | -172.55               | -1,174.23                           | -43.26                              | 1,453.08                        | 1,406.38                         | 46.70                     | 31.117            |         |                    |           |
| 2,300.00                                                                             | 2,275.75              | 2,298.02              | 2,298.00              | 8.32                             | 40.70                         | -172.64               | -1,173.97                           | -43.26                              | 1,469.64                        | 1,420.79                         | 48.84                     | 30.089            |         |                    |           |
| 2,400.00                                                                             | 2,374.30              | 2,395.32              | 2,395.31              | 8.69                             | 42.48                         | -172.72               | -1,174.06                           | -43.26                              | 1,486.55                        | 1,435.57                         | 50.98                     | 29.160            |         |                    |           |
| 2,500.00                                                                             | 2,472.85              | 2,495.88              | 2,495.85              | 9.06                             | 44.32                         | -172.80               | -1,174.23                           | -43.26                              | 1,503.55                        | 1,450.37                         | 53.18                     | 28.273            |         |                    |           |
| 2,600.00                                                                             | 2,571.40              | 2,594.43              | 2,594.40              | 9.43                             | 46.24                         | -172.88               | -1,174.23                           | -43.26                              | 1,520.38                        | 1,464.92                         | 55.46                     | 27.415            |         |                    |           |
| 2,700.00                                                                             | 2,669.95              | 2,692.99              | 2,692.95              | 9.80                             | 48.17                         | -172.96               | -1,174.23                           | -43.26                              | 1,537.21                        | 1,479.47                         | 57.74                     | 26.624            |         |                    |           |
| 2,800.00                                                                             | 2,768.50              | 2,790.50              | 2,790.46              | 10.17                            | 50.07                         | -173.04               | -1,173.36                           | -43.26                              | 1,553.18                        | 1,493.18                         | 60.00                     | 25.888            |         |                    |           |
| 2,900.00                                                                             | 2,867.06              | 2,885.42              | 2,885.38              | 10.54                            | 51.92                         | -173.11               | -1,173.53                           | -43.26                              | 1,570.19                        | 1,507.99                         | 62.20                     | 25.244            |         |                    |           |
| 3,000.00                                                                             | 2,965.61              | 2,980.27              | 2,980.23              | 10.92                            | 53.77                         | -173.18               | -1,173.92                           | -43.26                              | 1,587.44                        | 1,523.04                         | 64.41                     | 24.648            |         |                    |           |
| 3,100.00                                                                             | 3,064.16              | 3,087.26              | 3,087.16              | 11.29                            | 55.90                         | -173.26               | -1,174.23                           | -43.26                              | 1,604.57                        | 1,537.67                         | 66.90                     | 23.985            |         |                    |           |
| 3,200.00                                                                             | 3,162.72              | 3,185.81              | 3,185.72              | 11.66                            | 57.90                         | -178.33               | -1,174.23                           | -43.26                              | 1,621.39                        | 1,552.13                         | 69.26                     | 23.412            |         |                    |           |
| 3,300.00                                                                             | 3,261.19              | 3,283.24              | 3,283.13              | 12.02                            | 59.87                         | -144.86               | -1,173.21                           | -43.26                              | 1,636.54                        | 1,564.96                         | 71.58                     | 22.862            |         |                    |           |
| 3,400.00                                                                             | 3,358.69              | 3,375.08              | 3,374.97              | 12.38                            | 61.73                         | -124.16               | -1,173.43                           | -43.26                              | 1,651.99                        | 1,578.20                         | 73.79                     | 22.388            |         |                    |           |
| 3,500.00                                                                             | 3,454.14              | 3,464.92              | 3,464.80              | 12.72                            | 63.56                         | -113.08               | -1,173.95                           | -43.26                              | 1,666.93                        | 1,590.98                         | 75.95                     | 21.949            |         |                    |           |
| 3,600.00                                                                             | 3,546.50              | 3,569.67              | 3,569.50              | 13.04                            | 65.74                         | -107.13               | -1,174.23                           | -43.26                              | 1,681.03                        | 1,602.55                         | 78.48                     | 21.420            |         |                    |           |
| 3,700.00                                                                             | 3,634.76              | 3,657.93              | 3,657.76              | 13.35                            | 67.60                         | -103.63               | -1,174.23                           | -43.26                              | 1,694.81                        | 1,614.13                         | 80.68                     | 21.008            |         |                    |           |
| 3,800.00                                                                             | 3,717.94              | 3,741.11              | 3,740.94              | 13.64                            | 69.36                         | -101.58               | -1,174.23                           | -43.26                              | 1,709.08                        | 1,626.31                         | 82.77                     | 20.649            |         |                    |           |
| 3,900.00                                                                             | 3,795.15              | 3,814.79              | 3,814.61              | 13.94                            | 70.91                         | -100.28               | -1,173.18                           | -43.26                              | 1,723.42                        | 1,638.76                         | 84.66                     | 20.357            |         |                    |           |
| 4,000.00                                                                             | 3,865.52              | 3,881.26              | 3,881.08              | 14.28                            | 72.31                         | -99.38                | -1,173.40                           | -43.26                              | 1,740.80                        | 1,654.40                         | 86.40                     | 20.147            |         |                    |           |
| 4,100.00                                                                             | 3,928.30              | 3,940.54              | 3,940.35              | 14.67                            | 73.56                         | -98.65                | -1,173.71                           | -43.26                              | 1,760.68                        | 1,672.67                         | 88.01                     | 20.006            |         |                    |           |
| 4,200.00                                                                             | 3,982.79              | 3,992.00              | 3,991.80              | 15.11                            | 74.65                         | -97.88                | -1,174.09                           | -43.26                              | 1,783.54                        | 1,694.08                         | 89.46                     | 19.937            |         |                    |           |
| 4,300.00                                                                             | 4,032.79              | 4,056.06              | 4,055.79              | 15.59                            | 76.01                         | -99.65                | -1,174.23                           | -43.26                              | 1,809.63                        | 1,718.40                         | 91.23                     | 19.836 SF         |         |                    |           |
| 4,400.00                                                                             | 4,082.79              | 4,106.06              | 4,105.79              | 16.11                            | 77.08                         | -101.05               | -1,174.23                           | -43.26                              | 1,839.35                        | 1,746.65                         | 92.70                     | 19.842            |         |                    |           |
| 4,500.00                                                                             | 4,125.25              | 4,148.51              | 4,148.25              | 16.67                            | 77.99                         | -98.69                | -1,174.23                           | -43.26                              | 1,874.15                        | 1,780.14                         | 94.00                     | 19.937            |         |                    |           |
| 4,600.00                                                                             | 4,151.36              | 4,174.63              | 4,174.36              | 17.25                            | 78.55                         | -95.04                | -1,174.23                           | -43.26                              | 1,915.26                        | 1,820.33                         | 94.92                     | 20.177            |         |                    |           |
| 4,700.00                                                                             | 4,160.63              | 4,183.89              | 4,183.63              | 17.84                            | 78.75                         | -91.10                | -1,174.23                           | -43.26                              | 1,961.74                        | 1,866.31                         | 95.43                     | 20.558            |         |                    |           |
| 4,800.00                                                                             | 4,164.07              | 4,187.34              | 4,187.07              | 18.45                            | 78.82                         | -91.22                | -1,174.23                           | -43.26                              | 2,012.32                        | 1,916.53                         | 95.79                     | 21.007            |         |                    |           |
| 4,900.00                                                                             | 4,167.52              | 4,190.79              | 4,190.52              | 19.11                            | 78.89                         | -91.33                | -1,174.23                           | -43.26                              | 2,066.50                        | 1,970.35                         | 96.16                     | 21.491            |         |                    |           |
| 5,000.00                                                                             | 4,170.97              | 4,194.24              | 4,193.97              | 19.81                            | 78.97                         | -91.45                | -1,174.23                           | -43.26                              | 2,124.00                        | 2,027.49                         | 96.51                     | 22.007            |         |                    |           |
| 5,100.00                                                                             | 4,174.42              | 4,197.68              | 4,197.42              | 20.55                            | 79.04                         | -91.56                | -1,174.23                           | -43.26                              | 2,184.57                        | 2,087.70                         | 96.87                     | 22.553            |         |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design:SMITHDALE 29 FEDERAL - OFFSET: ANTHONY 2 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |              |                        |                        |                         |                           |                   | Offset Site Error: | 0.00 usft          |           |
|------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|------------------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--------------------|-----------|
| Survey Program: 1004-INC-ONLY                                                      |                       | Reference             |                       | Offset           |               | Semi Major Axis       |              | Offset Wellbore Centre |                        | Rule Assigned: Distance |                           |                   |                    | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft)           | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |                    |           |
| 5,200.00                                                                           | 4,177.86              | 4,201.13              | 4,200.86              | 21.33            | 79.12         | 91.68                 | -1,174.23    | -43.26                 | 2,247.94               | 2,150.74                | 97.21                     | 23.125            |                    |                    |           |
| 5,300.00                                                                           | 4,181.31              | 4,204.58              | 4,204.31              | 22.13            | 79.19         | 91.79                 | -1,174.23    | -43.26                 | 2,313.90               | 2,216.36                | 97.54                     | 23.723            |                    |                    |           |
| 5,400.00                                                                           | 4,184.76              | 4,208.03              | 4,207.76              | 22.96            | 79.26         | 91.91                 | -1,174.23    | -43.26                 | 2,382.23               | 2,284.37                | 97.86                     | 24.344            |                    |                    |           |
| 5,500.00                                                                           | 4,188.21              | 4,211.47              | 4,211.21              | 23.82            | 79.34         | 92.02                 | -1,174.23    | -43.26                 | 2,452.73               | 2,354.56                | 98.16                     | 24.986            |                    |                    |           |
| 5,600.00                                                                           | 4,191.65              | 4,214.92              | 4,214.65              | 24.69            | 79.41         | 92.14                 | -1,174.23    | -43.26                 | 2,525.21               | 2,426.75                | 98.46                     | 25.648            |                    |                    |           |
| 5,700.00                                                                           | 4,195.10              | 4,218.37              | 4,218.10              | 25.59            | 79.48         | 92.25                 | -1,174.23    | -43.26                 | 2,599.52               | 2,500.78                | 98.74                     | 26.327            |                    |                    |           |
| 5,800.00                                                                           | 4,198.55              | 4,221.82              | 4,221.55              | 26.50            | 79.56         | 92.37                 | -1,174.23    | -43.26                 | 2,675.49               | 2,576.48                | 99.01                     | 27.022            |                    |                    |           |
| 5,900.00                                                                           | 4,202.00              | 4,225.26              | 4,225.00              | 27.43            | 79.63         | 92.48                 | -1,174.23    | -43.26                 | 2,753.00               | 2,653.73                | 99.27                     | 27.732            |                    |                    |           |
| 6,000.00                                                                           | 4,205.44              | 4,228.71              | 4,228.44              | 28.37            | 79.70         | 92.60                 | -1,174.23    | -43.26                 | 2,831.92               | 2,732.39                | 99.52                     | 28.455            |                    |                    |           |
| 6,100.00                                                                           | 4,208.89              | 4,232.16              | 4,231.89              | 29.33            | 79.78         | 92.71                 | -1,174.23    | -43.26                 | 2,912.12               | 2,812.36                | 99.76                     | 29.190            |                    |                    |           |
| 6,200.00                                                                           | 4,212.34              | 4,235.61              | 4,235.34              | 30.30            | 79.85         | 92.83                 | -1,174.23    | -43.26                 | 2,993.51               | 2,893.52                | 100.00                    | 29.937            |                    |                    |           |
| 6,300.00                                                                           | 4,215.79              | 4,239.05              | 4,238.79              | 31.28            | 79.93         | 92.94                 | -1,174.23    | -43.26                 | 3,076.00               | 2,975.78                | 100.22                    | 30.693            |                    |                    |           |
| 6,400.00                                                                           | 4,219.23              | 4,242.50              | 4,242.23              | 32.26            | 80.00         | 93.06                 | -1,174.23    | -43.26                 | 3,159.50               | 3,059.06                | 100.43                    | 31.458            |                    |                    |           |
| 6,500.00                                                                           | 4,222.68              | 4,245.72              | 4,245.44              | 33.26            | 80.07         | 93.17                 | -1,172.95    | -43.26                 | 3,243.23               | 3,142.60                | 100.63                    | 32.229            |                    |                    |           |
| 6,600.00                                                                           | 4,226.13              | 4,248.91              | 4,248.63              | 34.27            | 80.14         | 93.27                 | -1,172.95    | -43.26                 | 3,328.53               | 3,227.70                | 100.83                    | 33.012            |                    |                    |           |
| 6,700.00                                                                           | 4,229.58              | 4,252.10              | 4,251.81              | 35.28            | 80.20         | 93.38                 | -1,172.96    | -43.26                 | 3,414.63               | 3,313.61                | 101.02                    | 33.802            |                    |                    |           |
| 6,800.00                                                                           | 4,233.02              | 4,255.28              | 4,255.00              | 36.30            | 80.27         | 93.49                 | -1,172.96    | -43.26                 | 3,501.46               | 3,400.26                | 101.20                    | 34.599            |                    |                    |           |
| 6,900.00                                                                           | 4,236.47              | 4,258.47              | 4,258.18              | 37.32            | 80.34         | 93.59                 | -1,172.96    | -43.26                 | 3,588.98               | 3,487.59                | 101.38                    | 35.401            |                    |                    |           |
| 7,000.00                                                                           | 4,239.92              | 4,261.65              | 4,261.37              | 38.35            | 80.41         | 93.70                 | -1,172.96    | -43.26                 | 3,677.12               | 3,575.57                | 101.56                    | 36.208            |                    |                    |           |
| 7,100.00                                                                           | 4,243.37              | 4,264.84              | 4,264.55              | 39.39            | 80.48         | 93.80                 | -1,172.97    | -43.26                 | 3,765.86               | 3,664.13                | 101.73                    | 37.019            |                    |                    |           |
| 7,200.00                                                                           | 4,246.81              | 4,268.02              | 4,267.74              | 40.43            | 80.55         | 93.91                 | -1,172.97    | -43.26                 | 3,855.15               | 3,753.25                | 101.89                    | 37.835            |                    |                    |           |
| 7,300.00                                                                           | 4,250.26              | 4,271.20              | 4,270.92              | 41.48            | 80.61         | 94.02                 | -1,172.97    | -43.26                 | 3,944.95               | 3,842.89                | 102.06                    | 38.654            |                    |                    |           |
| 7,400.00                                                                           | 4,253.71              | 4,274.39              | 4,274.10              | 42.53            | 80.68         | 94.12                 | -1,172.98    | -43.26                 | 4,035.22               | 3,933.00                | 102.22                    | 39.477            |                    |                    |           |
| 7,500.00                                                                           | 4,257.16              | 4,277.57              | 4,277.29              | 43.58            | 80.75         | 94.23                 | -1,172.98    | -43.26                 | 4,125.94               | 4,023.57                | 102.38                    | 40.302            |                    |                    |           |
| 7,600.00                                                                           | 4,260.60              | 4,280.75              | 4,280.47              | 44.64            | 80.82         | 94.33                 | -1,172.99    | -43.26                 | 4,217.08               | 4,114.55                | 102.53                    | 41.130            |                    |                    |           |
| 7,700.00                                                                           | 4,264.05              | 4,283.93              | 4,283.65              | 45.70            | 80.89         | 94.44                 | -1,172.99    | -43.26                 | 4,308.61               | 4,205.93                | 102.68                    | 41.961            |                    |                    |           |
| 7,800.00                                                                           | 4,267.50              | 4,287.11              | 4,286.83              | 46.76            | 80.95         | 94.55                 | -1,173.00    | -43.26                 | 4,400.50               | 4,297.67                | 102.83                    | 42.793            |                    |                    |           |
| 7,900.00                                                                           | 4,270.95              | 4,290.29              | 4,290.01              | 47.83            | 81.02         | 94.65                 | -1,173.01    | -43.26                 | 4,492.74               | 4,389.76                | 102.98                    | 43.627            |                    |                    |           |
| 8,000.00                                                                           | 4,274.39              | 4,293.47              | 4,293.19              | 48.89            | 81.09         | 94.76                 | -1,173.01    | -43.26                 | 4,585.30               | 4,482.18                | 103.13                    | 44.463            |                    |                    |           |
| 8,100.00                                                                           | 4,277.84              | 4,296.65              | 4,296.37              | 49.97            | 81.16         | 94.86                 | -1,173.02    | -43.26                 | 4,678.17               | 4,574.90                | 103.27                    | 45.300            |                    |                    |           |
| 8,200.00                                                                           | 4,281.29              | 4,299.83              | 4,299.55              | 51.04            | 81.23         | 94.97                 | -1,173.03    | -43.26                 | 4,771.32               | 4,667.90                | 103.41                    | 46.138            |                    |                    |           |
| 8,300.00                                                                           | 4,284.74              | 4,303.01              | 4,302.73              | 52.12            | 81.29         | 95.07                 | -1,173.04    | -43.26                 | 4,864.74               | 4,761.18                | 103.56                    | 46.977            |                    |                    |           |
| 8,400.00                                                                           | 4,288.18              | 4,306.19              | 4,305.91              | 53.19            | 81.36         | 95.18                 | -1,173.05    | -43.26                 | 4,958.41               | 4,854.72                | 103.70                    | 47.817            |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: ANTHONEY STATE 3 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 474-MWD                                                                    |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 0.00                                                                                       | 0.00                  | 26.51                 | 26.51                 | 0.00                             | 0.73                          | 176.39                | -1,189.48                           | 75.03                               | 1,191.84                        |                                  |                           |                   |                    |           |
| 100.00                                                                                     | 100.00                | 126.95                | 126.95                | 0.29                             | 3.48                          | 176.39                | -1,189.45                           | 75.02                               | 1,191.81                        | 1,188.05                         | 3.76                      | 316.570           |                    |           |
| 200.00                                                                                     | 200.00                | 227.38                | 227.38                | 0.65                             | 6.23                          | 176.39                | -1,189.39                           | 75.01                               | 1,191.75                        | 1,184.88                         | 6.87                      | 173.350           |                    |           |
| 300.00                                                                                     | 300.00                | 327.82                | 327.82                | 1.00                             | 8.98                          | 176.39                | -1,189.29                           | 74.99                               | 1,191.65                        | 1,181.66                         | 9.98                      | 119.346           |                    |           |
| 304.45                                                                                     | 304.45                | 332.29                | 332.29                | 1.02                             | 9.10                          | -176.62               | -1,189.28                           | 74.98                               | 1,191.65                        | 1,181.52                         | 10.12                     | 117.713 CC        |                    |           |
| 400.00                                                                                     | 399.98                | 428.24                | 428.24                | 1.36                             | 11.73                         | -176.63               | -1,189.15                           | 74.95                               | 1,193.25                        | 1,180.16                         | 13.10                     | 91.121 ES         |                    |           |
| 500.00                                                                                     | 499.84                | 519.42                | 519.41                | 1.73                             | 12.99                         | -176.64               | -1,189.14                           | 75.08                               | 1,198.50                        | 1,183.78                         | 14.72                     | 81.429            |                    |           |
| 600.00                                                                                     | 599.45                | 596.85                | 596.80                | 2.09                             | 13.00                         | -176.75               | -1,190.25                           | 77.41                               | 1,208.78                        | 1,193.69                         | 15.09                     | 80.102            |                    |           |
| 700.00                                                                                     | 698.70                | 678.42                | 678.06                | 2.45                             | 13.03                         | -177.07               | -1,192.20                           | 84.09                               | 1,223.91                        | 1,208.45                         | 15.46                     | 79.162            |                    |           |
| 800.00                                                                                     | 797.47                | 766.97                | 765.77                | 2.82                             | 13.06                         | -177.63               | -1,195.05                           | 95.84                               | 1,243.71                        | 1,227.87                         | 15.84                     | 78.523            |                    |           |
| 900.00                                                                                     | 896.02                | 846.95                | 844.69                | 3.17                             | 13.10                         | -178.23               | -1,198.23                           | 108.44                              | 1,265.94                        | 1,249.74                         | 16.19                     | 78.175            |                    |           |
| 1,000.00                                                                                   | 994.57                | 930.57                | 927.01                | 3.53                             | 13.16                         | -178.88               | -1,202.35                           | 122.54                              | 1,289.40                        | 1,272.85                         | 16.55                     | 77.887            |                    |           |
| 1,100.00                                                                                   | 1,093.12              | 1,034.52              | 1,028.69              | 3.89                             | 13.24                         | -179.80               | -1,207.38                           | 143.52                              | 1,313.39                        | 1,296.44                         | 16.95                     | 77.479            |                    |           |
| 1,200.00                                                                                   | 1,191.68              | 1,151.11              | 1,141.55              | 4.26                             | 13.36                         | 178.94                | -1,210.49                           | 172.54                              | 1,336.23                        | 1,318.84                         | 17.39                     | 76.848            |                    |           |
| 1,300.00                                                                                   | 1,290.23              | 1,238.29              | 1,225.52              | 4.63                             | 13.47                         | 177.96                | -1,212.19                           | 195.90                              | 1,359.18                        | 1,341.38                         | 17.80                     | 76.366            |                    |           |
| 1,400.00                                                                                   | 1,388.78              | 1,337.01              | 1,320.00              | 4.99                             | 13.62                         | 176.80                | -1,214.21                           | 224.40                              | 1,383.05                        | 1,364.80                         | 18.25                     | 75.786            |                    |           |
| 1,500.00                                                                                   | 1,487.33              | 1,440.11              | 1,419.23              | 5.36                             | 13.77                         | 175.69                | -1,215.70                           | 252.35                              | 1,406.50                        | 1,387.78                         | 18.72                     | 75.123            |                    |           |
| 1,600.00                                                                                   | 1,585.88              | 1,512.13              | 1,488.60              | 5.73                             | 13.89                         | 174.96                | -1,217.15                           | 271.60                              | 1,430.85                        | 1,411.72                         | 19.14                     | 74.776            |                    |           |
| 1,700.00                                                                                   | 1,684.43              | 1,595.00              | 1,568.38              | 6.10                             | 14.04                         | 174.14                | -1,219.69                           | 293.93                              | 1,456.59                        | 1,437.01                         | 19.58                     | 74.387            |                    |           |
| 1,800.00                                                                                   | 1,782.99              | 1,706.57              | 1,675.57              | 6.47                             | 14.26                         | 173.04                | -1,222.72                           | 324.71                              | 1,482.50                        | 1,462.38                         | 20.13                     | 73.652            |                    |           |
| 1,900.00                                                                                   | 1,881.54              | 1,806.51              | 1,772.22              | 6.84                             | 14.46                         | 172.18                | -1,225.18                           | 349.96                              | 1,507.95                        | 1,487.31                         | 20.65                     | 73.040            |                    |           |
| 2,000.00                                                                                   | 1,980.09              | 1,895.28              | 1,858.98              | 7.21                             | 14.65                         | 171.60                | -1,228.75                           | 368.39                              | 1,533.92                        | 1,512.79                         | 21.12                     | 72.624            |                    |           |
| 2,100.00                                                                                   | 2,078.64              | 1,989.42              | 1,951.45              | 7.58                             | 14.85                         | 171.11                | -1,233.39                           | 385.34                              | 1,560.13                        | 1,538.52                         | 21.61                     | 72.201            |                    |           |
| 2,200.00                                                                                   | 2,177.19              | 2,131.41              | 2,092.04              | 7.95                             | 15.14                         | 170.69                | -1,241.47                           | 403.26                              | 1,585.90                        | 1,563.68                         | 22.21                     | 71.394            |                    |           |
| 2,300.00                                                                                   | 2,275.75              | 2,299.80              | 2,260.19              | 8.32                             | 15.39                         | 170.69                | -1,246.74                           | 409.62                              | 1,606.09                        | 1,583.30                         | 22.79                     | 70.469            |                    |           |
| 2,400.00                                                                                   | 2,374.30              | 2,428.84              | 2,389.20              | 8.69                             | 15.52                         | 170.80                | -1,249.16                           | 410.75                              | 1,624.96                        | 1,601.68                         | 23.29                     | 69.785            |                    |           |
| 2,500.00                                                                                   | 2,472.85              | 2,526.98              | 2,487.34              | 9.06                             | 15.64                         | 170.88                | -1,249.74                           | 411.32                              | 1,642.42                        | 1,618.71                         | 23.72                     | 69.246            |                    |           |
| 2,600.00                                                                                   | 2,571.40              | 2,621.11              | 2,581.46              | 9.43                             | 15.75                         | 170.96                | -1,250.40                           | 411.93                              | 1,660.02                        | 1,635.87                         | 24.15                     | 68.733            |                    |           |
| 2,700.00                                                                                   | 2,669.95              | 2,721.10              | 2,681.45              | 9.80                             | 15.85                         | 171.05                | -1,251.35                           | 412.20                              | 1,677.74                        | 1,653.15                         | 24.60                     | 68.212            |                    |           |
| 2,800.00                                                                                   | 2,768.50              | 2,816.44              | 2,776.78              | 10.17                            | 15.95                         | 171.13                | -1,252.18                           | 412.62                              | 1,695.45                        | 1,670.41                         | 25.04                     | 67.714            |                    |           |
| 2,900.00                                                                                   | 2,867.06              | 2,912.28              | 2,872.61              | 10.54                            | 16.07                         | 171.20                | -1,253.18                           | 413.18                              | 1,713.35                        | 1,687.87                         | 25.49                     | 67.226            |                    |           |
| 3,000.00                                                                                   | 2,965.61              | 3,014.35              | 2,974.67              | 10.92                            | 16.18                         | 171.30                | -1,254.35                           | 413.44                              | 1,731.28                        | 1,705.33                         | 25.95                     | 66.714            |                    |           |
| 3,100.00                                                                                   | 3,064.16              | 3,116.92              | 3,077.24              | 11.29                            | 16.31                         | 171.38                | -1,255.08                           | 413.79                              | 1,748.82                        | 1,722.39                         | 26.43                     | 66.179            |                    |           |
| 3,200.00                                                                                   | 3,162.72              | 3,214.98              | 3,175.30              | 11.66                            | 16.44                         | 163.12                | -1,255.85                           | 414.06                              | 1,766.30                        | 1,739.41                         | 26.89                     | 65.675            |                    |           |
| 3,300.00                                                                                   | 3,261.19              | 3,311.86              | 3,272.17              | 12.02                            | 16.55                         | 129.90                | -1,256.57                           | 414.21                              | 1,781.22                        | 1,753.87                         | 27.35                     | 65.119            |                    |           |
| 3,400.00                                                                                   | 3,358.69              | 3,443.86              | 3,404.17              | 12.38                            | 16.62                         | 109.85                | -1,257.01                           | 414.02                              | 1,792.27                        | 1,764.48                         | 27.79                     | 64.499            |                    |           |
| 3,500.00                                                                                   | 3,454.14              | 3,544.69              | 3,504.99              | 12.72                            | 16.56                         | 99.43                 | -1,255.83                           | 413.47                              | 1,798.34                        | 1,770.26                         | 28.07                     | 64.057            |                    |           |
| 3,600.00                                                                                   | 3,546.50              | 3,637.68              | 3,597.98              | 13.04                            | 16.50                         | 94.00                 | -1,254.62                           | 412.99                              | 1,801.39                        | 1,773.04                         | 28.35                     | 63.533            |                    |           |
| 3,700.00                                                                                   | 3,634.76              | 3,720.18              | 3,680.47              | 13.35                            | 16.48                         | 91.14                 | -1,253.63                           | 412.80                              | 1,802.18                        | 1,773.54                         | 28.64                     | 62.929            |                    |           |
| 3,800.00                                                                                   | 3,717.94              | 3,805.33              | 3,765.61              | 13.64                            | 16.46                         | 89.97                 | -1,252.69                           | 412.73                              | 1,801.35                        | 1,772.42                         | 28.93                     | 62.257            |                    |           |
| 3,900.00                                                                                   | 3,795.15              | 3,883.19              | 3,843.47              | 13.94                            | 16.45                         | 89.73                 | -1,251.75                           | 412.59                              | 1,799.48                        | 1,770.23                         | 29.24                     | 61.535            |                    |           |
| 4,000.00                                                                                   | 3,865.52              | 3,954.75              | 3,915.02              | 14.28                            | 16.44                         | 90.06                 | -1,250.87                           | 412.53                              | 1,797.47                        | 1,767.90                         | 29.57                     | 60.777            |                    |           |
| 4,100.00                                                                                   | 3,928.30              | 4,019.19              | 3,979.45              | 14.67                            | 16.43                         | 90.70                 | -1,250.01                           | 412.46                              | 1,796.16                        | 1,766.23                         | 29.94                     | 60.001            |                    |           |
| 4,135.24                                                                                   | 3,948.48              | 4,038.08              | 3,998.35              | 14.82                            | 16.43                         | 90.90                 | -1,249.76                           | 412.43                              | 1,796.04                        | 1,765.97                         | 30.07                     | 59.723            |                    |           |
| 4,200.00                                                                                   | 3,982.79              | 4,070.20              | 4,030.46              | 15.11                            | 16.43                         | 91.27                 | -1,249.36                           | 412.39                              | 1,796.50                        | 1,766.17                         | 30.32                     | 59.244            |                    |           |
| 4,300.00                                                                                   | 4,032.79              | 4,117.74              | 4,078.00              | 15.59                            | 16.43                         | 92.57                 | -1,248.83                           | 412.33                              | 1,800.05                        | 1,769.30                         | 30.75                     | 58.532            |                    |           |
| 4,400.00                                                                                   | 4,082.79              | 4,168.56              | 4,128.82              | 16.11                            | 16.41                         | 93.97                 | -1,248.27                           | 412.16                              | 1,807.77                        | 1,776.55                         | 31.23                     | 57.893            |                    |           |
| 4,500.00                                                                                   | 4,125.25              | 4,210.68              | 4,170.93              | 16.67                            | 16.40                         | 93.94                 | -1,247.78                           | 411.90                              | 1,820.30                        | 1,788.59                         | 31.71                     | 57.402            |                    |           |
| 4,600.00                                                                                   | 4,151.36              | 4,235.07              | 4,195.32              | 17.25                            | 16.39                         | 92.82                 | -1,247.50                           | 411.74                              | 1,838.70                        | 1,806.52                         | 32.18                     | 57.134            |                    |           |
| 4,700.00                                                                                   | 4,160.63              | 4,243.38              | 4,203.63              | 17.84                            | 16.39                         | 91.08                 | -1,247.41                           | 411.69                              | 1,862.92                        | 1,830.31                         | 32.61                     | 57.129 SF         |                    |           |
| 4,800.00                                                                                   | 4,164.07              | 4,246.12              | 4,206.37              | 18.45                            | 16.39                         | 91.17                 | -1,247.38                           | 411.67                              | 1,892.27                        | 1,859.24                         | 33.03                     | 57.291            |                    |           |
| 4,900.00                                                                                   | 4,167.52              | 4,248.87              | 4,209.12              | 19.11                            | 16.38                         | 91.26                 | -1,247.35                           | 411.65                              | 1,926.37                        | 1,892.91                         | 33.46                     | 57.581            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: ANTHONEY STATE 3 - Wellbore #1 - Wellbore #1 |                       |                              |                              |                                  |                               |                       |                        |             |                                 |                         |                           |                   | Offset Site Error: |
|--------------------------------------------------------------------------------------------|-----------------------|------------------------------|------------------------------|----------------------------------|-------------------------------|-----------------------|------------------------|-------------|---------------------------------|-------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 474-MWD                                                                    |                       |                              |                              |                                  |                               |                       |                        |             |                                 |                         |                           |                   | 0.00 usft          |
| Measured Depth (usft)                                                                      | Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |             | Distance Between Centres (usft) |                         | Minimum Separation (usft) | Separation Factor | Warning            |
|                                                                                            |                       |                              |                              |                                  |                               |                       | +N-S (usft)            | +E-W (usft) | Between Centres (usft)          | Between Ellipses (usft) |                           |                   |                    |
| 5,000.00                                                                                   | 4,170.97              | 4,251.64                     | 4,211.89                     | 19.81                            | 16.38                         | 91.35                 | -1,247.32              | 411.64      | 1,964.97                        | 1,931.09                | 33.88                     | 58.000            |                    |
| 5,100.00                                                                                   | 4,174.42              | 4,254.42                     | 4,214.67                     | 20.55                            | 16.38                         | 91.43                 | -1,247.29              | 411.62      | 2,007.80                        | 1,973.51                | 34.29                     | 58.546            |                    |
| 5,200.00                                                                                   | 4,177.86              | 4,257.21                     | 4,217.46                     | 21.33                            | 16.38                         | 91.52                 | -1,247.26              | 411.60      | 2,054.61                        | 2,019.91                | 34.70                     | 59.216            |                    |
| 5,300.00                                                                                   | 4,181.31              | 4,260.01                     | 4,220.26                     | 22.13                            | 16.38                         | 91.61                 | -1,247.23              | 411.59      | 2,105.13                        | 2,070.05                | 35.08                     | 60.005            |                    |
| 5,400.00                                                                                   | 4,184.76              | 4,262.83                     | 4,223.08                     | 22.96                            | 16.38                         | 91.70                 | -1,247.20              | 411.57      | 2,159.10                        | 2,123.65                | 35.45                     | 60.906            |                    |
| 5,500.00                                                                                   | 4,188.21              | 4,265.66                     | 4,225.91                     | 23.82                            | 16.38                         | 91.79                 | -1,247.18              | 411.56      | 2,216.26                        | 2,180.46                | 35.80                     | 61.912            |                    |
| 5,600.00                                                                                   | 4,191.65              | 4,268.50                     | 4,228.75                     | 24.69                            | 16.38                         | 91.88                 | -1,247.15              | 411.54      | 2,276.38                        | 2,240.26                | 36.12                     | 63.018            |                    |
| 5,700.00                                                                                   | 4,195.10              | 4,271.35                     | 4,231.60                     | 25.59                            | 16.38                         | 91.98                 | -1,247.12              | 411.52      | 2,339.23                        | 2,302.80                | 36.43                     | 64.214            |                    |
| 5,800.00                                                                                   | 4,198.55              | 4,274.22                     | 4,234.47                     | 26.50                            | 16.37                         | 92.07                 | -1,247.09              | 411.51      | 2,404.59                        | 2,367.87                | 36.71                     | 65.496            |                    |
| 5,900.00                                                                                   | 4,202.00              | 4,277.10                     | 4,237.35                     | 27.43                            | 16.37                         | 92.16                 | -1,247.06              | 411.49      | 2,472.26                        | 2,435.28                | 36.98                     | 66.856            |                    |
| 6,000.00                                                                                   | 4,205.44              | 4,280.00                     | 4,240.25                     | 28.37                            | 16.37                         | 92.25                 | -1,247.03              | 411.48      | 2,542.07                        | 2,504.84                | 37.23                     | 68.288            |                    |
| 6,100.00                                                                                   | 4,208.89              | 4,282.91                     | 4,243.15                     | 29.33                            | 16.37                         | 92.34                 | -1,247.00              | 411.46      | 2,613.83                        | 2,576.38                | 37.46                     | 69.785            |                    |
| 6,200.00                                                                                   | 4,212.34              | 4,285.83                     | 4,246.07                     | 30.30                            | 16.37                         | 92.44                 | -1,246.98              | 411.45      | 2,687.40                        | 2,649.73                | 37.67                     | 71.343            |                    |
| 6,300.00                                                                                   | 4,215.79              | 4,288.76                     | 4,249.01                     | 31.28                            | 16.37                         | 92.53                 | -1,246.95              | 411.43      | 2,762.62                        | 2,724.76                | 37.87                     | 72.956            |                    |
| 6,400.00                                                                                   | 4,219.23              | 4,291.71                     | 4,251.96                     | 32.26                            | 16.37                         | 92.62                 | -1,246.92              | 411.42      | 2,839.38                        | 2,801.32                | 38.05                     | 74.619            |                    |
| 6,500.00                                                                                   | 4,222.68              | 4,294.67                     | 4,254.92                     | 33.26                            | 16.37                         | 92.72                 | -1,246.89              | 411.40      | 2,917.53                        | 2,879.31                | 38.22                     | 76.329            |                    |
| 6,600.00                                                                                   | 4,226.13              | 4,297.75                     | 4,257.99                     | 34.27                            | 16.37                         | 92.82                 | -1,246.86              | 411.39      | 2,996.98                        | 2,958.60                | 38.38                     | 78.080            |                    |
| 6,700.00                                                                                   | 4,229.58              | 4,301.22                     | 4,261.47                     | 35.28                            | 16.37                         | 92.93                 | -1,246.83              | 411.37      | 3,077.63                        | 3,039.10                | 38.53                     | 79.867            |                    |
| 6,800.00                                                                                   | 4,233.02              | 4,304.74                     | 4,264.98                     | 36.30                            | 16.37                         | 93.04                 | -1,246.80              | 411.35      | 3,159.38                        | 3,120.71                | 38.68                     | 81.689            |                    |
| 6,900.00                                                                                   | 4,236.47              | 4,308.29                     | 4,268.54                     | 37.32                            | 16.36                         | 93.15                 | -1,246.77              | 411.34      | 3,242.15                        | 3,203.35                | 38.81                     | 83.542            |                    |
| 7,000.00                                                                                   | 4,239.92              | 4,311.89                     | 4,272.13                     | 38.35                            | 16.36                         | 93.27                 | -1,246.73              | 411.32      | 3,325.87                        | 3,286.94                | 38.93                     | 85.424            |                    |
| 7,100.00                                                                                   | 4,243.37              | 4,315.53                     | 4,275.77                     | 39.39                            | 16.36                         | 93.38                 | -1,246.70              | 411.31      | 3,410.46                        | 3,371.41                | 39.05                     | 87.333            |                    |
| 7,200.00                                                                                   | 4,246.81              | 4,319.21                     | 4,279.45                     | 40.43                            | 16.36                         | 93.50                 | -1,246.66              | 411.29      | 3,495.86                        | 3,456.69                | 39.16                     | 89.266            |                    |
| 7,300.00                                                                                   | 4,250.26              | 4,322.93                     | 4,283.18                     | 41.48                            | 16.36                         | 93.62                 | -1,246.63              | 411.28      | 3,582.01                        | 3,542.74                | 39.27                     | 91.220            |                    |
| 7,400.00                                                                                   | 4,253.71              | 4,326.70                     | 4,286.94                     | 42.53                            | 16.36                         | 93.74                 | -1,246.59              | 411.27      | 3,668.86                        | 3,629.49                | 39.37                     | 93.195            |                    |
| 7,500.00                                                                                   | 4,257.16              | 4,330.51                     | 4,290.76                     | 43.58                            | 16.36                         | 93.86                 | -1,246.55              | 411.25      | 3,756.36                        | 3,716.90                | 39.46                     | 95.187            |                    |
| 7,600.00                                                                                   | 4,260.60              | 4,334.37                     | 4,294.62                     | 44.64                            | 16.36                         | 93.98                 | -1,246.52              | 411.24      | 3,844.47                        | 3,804.92                | 39.55                     | 97.196            |                    |
| 7,700.00                                                                                   | 4,264.05              | 4,338.28                     | 4,298.52                     | 45.70                            | 16.36                         | 94.11                 | -1,246.48              | 411.23      | 3,933.15                        | 3,893.51                | 39.64                     | 99.219            |                    |
| 7,800.00                                                                                   | 4,267.50              | 4,342.23                     | 4,302.47                     | 46.76                            | 16.36                         | 94.23                 | -1,246.44              | 411.22      | 4,022.35                        | 3,982.62                | 39.72                     | 101.256           |                    |
| 7,900.00                                                                                   | 4,270.95              | 4,346.23                     | 4,306.47                     | 47.83                            | 16.36                         | 94.36                 | -1,246.40              | 411.21      | 4,112.05                        | 4,072.24                | 39.81                     | 103.304           |                    |
| 8,000.00                                                                                   | 4,274.39              | 4,350.28                     | 4,310.52                     | 48.89                            | 16.36                         | 94.49                 | -1,246.36              | 411.20      | 4,202.20                        | 4,162.32                | 39.88                     | 105.364           |                    |
| 8,100.00                                                                                   | 4,277.84              | 4,354.38                     | 4,314.62                     | 49.97                            | 16.36                         | 94.62                 | -1,246.32              | 411.19      | 4,292.80                        | 4,252.84                | 39.96                     | 107.432           |                    |
| 8,200.00                                                                                   | 4,281.29              | 4,358.53                     | 4,318.77                     | 51.04                            | 16.36                         | 94.75                 | -1,246.28              | 411.18      | 4,383.79                        | 4,343.76                | 40.03                     | 109.510           |                    |
| 8,300.00                                                                                   | 4,284.74              | 4,362.73                     | 4,322.97                     | 52.12                            | 16.36                         | 94.88                 | -1,246.23              | 411.17      | 4,475.17                        | 4,435.07                | 40.10                     | 111.595           |                    |
| 8,400.00                                                                                   | 4,288.18              | 4,366.99                     | 4,327.23                     | 53.19                            | 16.36                         | 95.02                 | -1,246.19              | 411.17      | 4,566.91                        | 4,526.74                | 40.17                     | 113.686           |                    |
| 8,500.00                                                                                   | 4,291.63              | 4,371.29                     | 4,331.54                     | 54.27                            | 16.36                         | 95.16                 | -1,246.15              | 411.16      | 4,658.98                        | 4,618.74                | 40.24                     | 115.784           |                    |
| 8,600.00                                                                                   | 4,295.08              | 4,375.66                     | 4,335.90                     | 55.36                            | 16.36                         | 95.29                 | -1,246.10              | 411.16      | 4,751.37                        | 4,711.07                | 40.30                     | 117.886           |                    |
| 8,700.00                                                                                   | 4,298.53              | 4,380.08                     | 4,340.32                     | 56.44                            | 16.36                         | 95.43                 | -1,246.06              | 411.15      | 4,844.06                        | 4,803.69                | 40.37                     | 119.992           |                    |
| 8,800.00                                                                                   | 4,301.97              | 4,384.56                     | 4,344.80                     | 57.53                            | 16.36                         | 95.58                 | -1,246.01              | 411.15      | 4,937.04                        | 4,896.60                | 40.43                     | 122.102           |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: ANTHONY STATE 4 - PLANNED DEV SURVEY - PLANNED DEV SURVEY |                       |                       |                 |              |                        |              |                        |                    |                         |                           |                   |               | Offset Site Error: |
|---------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------|--------------|------------------------|--------------|------------------------|--------------------|-------------------------|---------------------------|-------------------|---------------|--------------------|
| 100-MWD                                                                                                 |                       |                       |                 |              |                        |              |                        |                    |                         |                           |                   |               | 0.00 usft          |
| Survey Program:                                                                                         | Reference             | Offset                | Semi Major Axis | Highside     | Offset Wellbore Centre | Distance     | Rule Assigned:         | Offset Well Error: |                         |                           |                   |               |                    |
| Measured Depth (usft)                                                                                   | Vertical Depth (usft) | Measured Depth (usft) | Reference       | Toolface (°) | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | 0.00 usft          | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning       |                    |
| 0.00                                                                                                    | 0.00                  | 24.00                 | 24.00           | 0.00         | 0.25                   | -175.73      | -1,064.44              | -79.56             | 1,067.41                |                           |                   |               |                    |
| 100.00                                                                                                  | 100.00                | 124.00                | 124.00          | 0.29         | 1.16                   | -175.73      | -1,064.44              | -79.56             | 1,067.41                | 1,065.97                  | 1.44              | 739.460       |                    |
| 200.00                                                                                                  | 200.00                | 224.00                | 224.00          | 0.65         | 1.69                   | -175.73      | -1,064.44              | -79.56             | 1,067.41                | 1,065.08                  | 2.33              | 457.758       |                    |
| 300.00                                                                                                  | 300.00                | 324.00                | 324.00          | 1.00         | 2.08                   | -175.73      | -1,064.44              | -79.56             | 1,067.41                | 1,064.32                  | 3.09              | 345.590       |                    |
| 400.00                                                                                                  | 399.98                | 423.98                | 423.98          | 1.36         | 2.42                   | -168.75      | -1,064.44              | -79.56             | 1,069.12                | 1,065.34                  | 3.78              | 282.583       |                    |
| 500.00                                                                                                  | 499.84                | 550.48                | 550.47          | 1.73         | 2.77                   | -168.79      | -1,063.80              | -79.74             | 1,073.96                | 1,069.47                  | 4.49              | 239.203       |                    |
| 600.00                                                                                                  | 599.45                | 762.34                | 761.52          | 2.09         | 3.95                   | -168.66      | -1,047.15              | -84.52             | 1,074.83                | 1,068.90                  | 5.93              | 181.247       |                    |
| 700.00                                                                                                  | 698.70                | 972.86                | 968.04          | 2.45         | 5.18                   | -168.20      | -1,008.46              | -95.61             | 1,068.77                | 1,061.35                  | 7.42              | 144.045       |                    |
| 800.00                                                                                                  | 797.47                | 1,179.24              | 1,165.01        | 2.82         | 6.15                   | -167.41      | -949.55                | -112.50            | 1,055.95                | 1,047.32                  | 8.63              | 122.420       |                    |
| 900.00                                                                                                  | 896.02                | 1,283.70              | 1,262.71        | 3.17         | 6.58                   | -166.85      | -914.01                | -122.69            | 1,038.97                | 1,029.53                  | 9.43              | 110.119       |                    |
| 1,000.00                                                                                                | 994.57                | 1,381.79              | 1,354.44        | 3.53         | 6.96                   | -166.31      | -880.60                | -132.26            | 1,022.06                | 1,011.85                  | 10.20             | 100.183       |                    |
| 1,100.00                                                                                                | 1,093.12              | 1,479.89              | 1,446.17        | 3.89         | 7.35                   | -165.76      | -847.20                | -141.84            | 1,005.24                | 994.26                    | 10.98             | 91.589        |                    |
| 1,200.00                                                                                                | 1,191.68              | 1,577.98              | 1,537.90        | 4.26         | 7.73                   | -165.18      | -813.79                | -151.42            | 988.51                  | 976.77                    | 11.75             | 84.161        |                    |
| 1,300.00                                                                                                | 1,290.23              | 1,676.07              | 1,629.63        | 4.63         | 8.14                   | -164.59      | -780.38                | -161.00            | 971.89                  | 959.34                    | 12.55             | 77.454        |                    |
| 1,400.00                                                                                                | 1,388.78              | 1,758.07              | 1,706.43        | 4.99         | 8.50                   | -164.09      | -752.75                | -168.92            | 955.81                  | 942.49                    | 13.32             | 71.778        |                    |
| 1,500.00                                                                                                | 1,487.33              | 1,826.05              | 1,770.82        | 5.36         | 8.81                   | -163.71      | -731.83                | -174.92            | 942.64                  | 928.59                    | 14.05             | 67.101        |                    |
| 1,600.00                                                                                                | 1,585.88              | 1,900.00              | 1,841.71        | 5.73         | 9.12                   | -163.37      | -711.59                | -180.72            | 932.78                  | 918.03                    | 14.75             | 63.236        |                    |
| 1,700.00                                                                                                | 1,684.43              | 1,963.90              | 1,903.58        | 6.10         | 9.58                   | -163.13      | -696.24                | -185.12            | 926.17                  | 910.57                    | 15.60             | 59.356        |                    |
| 1,800.00                                                                                                | 1,782.99              | 2,033.43              | 1,971.46        | 6.47         | 10.03                  | -162.94      | -681.81                | -189.26            | 922.89                  | 906.48                    | 16.41             | 56.246        |                    |
| 1,849.72                                                                                                | 1,831.99              | 2,068.07              | 2,005.48        | 6.65         | 10.22                  | -162.87      | -675.51                | -191.06            | 922.48                  | 905.72                    | 16.76             | 55.045 CC, ES |                    |
| 1,900.00                                                                                                | 1,881.54              | 2,100.00              | 2,036.93        | 6.84         | 10.39                  | -162.81      | -670.23                | -192.58            | 922.91                  | 905.82                    | 17.09             | 53.998        |                    |
| 2,000.00                                                                                                | 1,980.09              | 2,172.78              | 2,108.94        | 7.21         | 10.76                  | -162.75      | -660.08                | -195.49            | 926.19                  | 908.42                    | 17.77             | 52.128        |                    |
| 2,100.00                                                                                                | 2,078.64              | 2,242.24              | 2,177.98        | 7.58         | 11.09                  | -162.76      | -652.87                | -197.56            | 932.75                  | 914.35                    | 18.39             | 50.719        |                    |
| 2,200.00                                                                                                | 2,177.19              | 2,300.00              | 2,235.58        | 7.95         | 11.36                  | -162.82      | -648.71                | -198.75            | 942.65                  | 923.74                    | 18.91             | 49.858        |                    |
| 2,300.00                                                                                                | 2,275.75              | 2,379.79              | 2,315.30        | 8.32         | 11.67                  | -162.98      | -645.72                | -199.61            | 955.57                  | 936.08                    | 19.50             | 49.016        |                    |
| 2,400.00                                                                                                | 2,374.30              | 2,462.78              | 2,398.30        | 8.69         | 11.80                  | -163.22      | -645.42                | -199.69            | 971.41                  | 951.47                    | 19.94             | 48.726        |                    |
| 2,500.00                                                                                                | 2,472.85              | 2,561.34              | 2,496.85        | 9.06         | 11.88                  | -163.51      | -645.42                | -199.69            | 987.67                  | 967.29                    | 20.38             | 48.461        |                    |
| 2,600.00                                                                                                | 2,571.40              | 2,659.89              | 2,595.40        | 9.43         | 11.95                  | -163.78      | -645.42                | -199.69            | 1,003.96                | 983.14                    | 20.82             | 48.215        |                    |
| 2,700.00                                                                                                | 2,669.95              | 2,758.44              | 2,693.95        | 9.80         | 12.03                  | -164.05      | -645.42                | -199.69            | 1,020.28                | 999.01                    | 21.26             | 47.981        |                    |
| 2,800.00                                                                                                | 2,768.50              | 2,856.99              | 2,792.50        | 10.17        | 12.10                  | -164.30      | -645.42                | -199.69            | 1,036.61                | 1,014.90                  | 21.71             | 47.759        |                    |
| 2,900.00                                                                                                | 2,867.06              | 2,955.54              | 2,891.06        | 10.54        | 12.18                  | -164.55      | -645.42                | -199.69            | 1,052.96                | 1,030.81                  | 22.15             | 47.546        |                    |
| 3,000.00                                                                                                | 2,965.61              | 3,054.09              | 2,989.61        | 10.92        | 12.25                  | -164.79      | -645.42                | -199.69            | 1,069.33                | 1,046.74                  | 22.59             | 47.344        |                    |
| 3,100.00                                                                                                | 3,064.16              | 3,152.65              | 3,088.16        | 11.29        | 12.32                  | -165.03      | -645.42                | -199.69            | 1,085.72                | 1,062.69                  | 23.03             | 47.150        |                    |
| 3,200.00                                                                                                | 3,162.72              | 3,251.21              | 3,186.72        | 11.66        | 12.40                  | -173.60      | -645.42                | -199.69            | 1,102.14                | 1,078.68                  | 23.47             | 46.967        |                    |
| 3,300.00                                                                                                | 3,261.19              | 3,349.68              | 3,285.19        | 12.02        | 12.47                  | 152.88       | -645.42                | -199.69            | 1,118.94                | 1,095.05                  | 23.89             | 46.832        |                    |
| 3,400.00                                                                                                | 3,358.69              | 3,447.18              | 3,382.69        | 12.38        | 12.54                  | 132.23       | -645.42                | -199.69            | 1,136.23                | 1,111.93                  | 24.30             | 46.765 SF     |                    |
| 3,500.00                                                                                                | 3,454.14              | 3,542.63              | 3,478.14        | 12.72        | 12.62                  | 121.30       | -645.42                | -199.69            | 1,154.18                | 1,129.50                  | 24.68             | 46.770        |                    |
| 3,600.00                                                                                                | 3,546.50              | 3,634.99              | 3,570.50        | 13.04        | 12.69                  | 115.31       | -645.42                | -199.69            | 1,173.20                | 1,148.16                  | 25.04             | 46.859        |                    |
| 3,700.00                                                                                                | 3,634.76              | 3,723.24              | 3,658.76        | 13.35        | 12.75                  | 111.89       | -645.42                | -199.69            | 1,193.86                | 1,168.49                  | 25.37             | 47.054        |                    |
| 3,800.00                                                                                                | 3,717.94              | 3,806.43              | 3,741.94        | 13.64        | 12.82                  | 109.85       | -645.42                | -199.69            | 1,216.85                | 1,191.17                  | 25.68             | 47.376        |                    |
| 3,900.00                                                                                                | 3,795.15              | 3,883.63              | 3,819.15        | 13.94        | 12.87                  | 108.55       | -645.42                | -199.69            | 1,242.92                | 1,216.94                  | 25.98             | 47.848        |                    |
| 4,000.00                                                                                                | 3,865.52              | 3,954.01              | 3,889.52        | 14.28        | 12.93                  | 107.55       | -645.42                | -199.69            | 1,272.74                | 1,246.50                  | 26.25             | 48.490        |                    |
| 4,100.00                                                                                                | 3,928.30              | 4,016.79              | 3,952.30        | 14.67        | 12.98                  | 106.54       | -645.42                | -199.69            | 1,306.92                | 1,280.42                  | 26.50             | 49.322        |                    |
| 4,200.00                                                                                                | 3,982.79              | 4,071.28              | 4,006.79        | 15.11        | 13.02                  | 105.29       | -645.42                | -199.69            | 1,345.87                | 1,319.14                  | 26.73             | 50.356        |                    |
| 4,300.00                                                                                                | 4,032.79              | 4,121.28              | 4,056.79        | 15.59        | 13.05                  | 107.17       | -645.42                | -199.69            | 1,389.38                | 1,362.43                  | 26.95             | 51.551        |                    |
| 4,400.00                                                                                                | 4,082.79              | 4,171.28              | 4,106.79        | 16.11        | 13.09                  | 109.07       | -645.42                | -199.69            | 1,436.81                | 1,409.62                  | 27.18             | 52.854        |                    |
| 4,500.00                                                                                                | 4,125.25              | 4,213.73              | 4,149.25        | 16.67        | 13.12                  | 104.82       | -645.42                | -199.69            | 1,490.07                | 1,462.68                  | 27.39             | 54.393        |                    |
| 4,600.00                                                                                                | 4,151.36              | 4,239.85              | 4,175.36        | 17.25        | 13.14                  | 98.52        | -645.42                | -199.69            | 1,550.66                | 1,523.12                  | 27.54             | 56.302        |                    |
| 4,700.00                                                                                                | 4,160.63              | 4,249.11              | 4,184.63        | 17.84        | 13.15                  | 91.84        | -645.42                | -199.69            | 1,616.83                | 1,589.21                  | 27.62             | 58.541        |                    |
| 4,800.00                                                                                                | 4,164.07              | 4,252.56              | 4,188.07        | 18.45        | 13.15                  | 92.01        | -645.42                | -199.69            | 1,686.61                | 1,658.93                  | 27.68             | 60.934        |                    |
| 4,900.00                                                                                                | 4,167.52              | 4,256.01              | 4,191.52        | 19.11        | 13.16                  | 92.18        | -645.42                | -199.69            | 1,759.31                | 1,731.56                  | 27.75             | 63.407        |                    |
| 5,000.00                                                                                                | 4,170.97              | 4,259.46              | 4,194.97        | 19.81        | 13.16                  | 92.34        | -645.42                | -199.69            | 1,834.57                | 1,806.75                  | 27.82             | 65.952        |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: ANTHONY STATE 4 - PLANNED DEV SURVEY - PLANNED DEV SURVEY |                       |                              |                              |                                  |                               |                       |                        |         |                                                |          |                         |                           |                   | Offset Site Error: | 0.00 usft |
|---------------------------------------------------------------------------------------------------------|-----------------------|------------------------------|------------------------------|----------------------------------|-------------------------------|-----------------------|------------------------|---------|------------------------------------------------|----------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 100-MWD                                                                                 |                       |                              |                              |                                  |                               |                       |                        |         |                                                |          |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                                   | Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |         | Rule Assigned: Distance Between Centres (usft) |          | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| +N/-S (usft)                                                                                            | +E/-W (usft)          |                              |                              |                                  |                               |                       |                        |         |                                                |          |                         |                           |                   |                    |           |
| 5,100.00                                                                                                | 4,174.42              | 4,262.90                     | 4,198.42                     | 20.55                            | 13.16                         | 92.51                 | -645.42                | -199.69 | 1,912.09                                       | 1,884.20 | 27.89                   | 68.559                    |                   |                    |           |
| 5,200.00                                                                                                | 4,177.86              | 4,266.35                     | 4,201.86                     | 21.33                            | 13.16                         | 92.68                 | -645.42                | -199.69 | 1,991.61                                       | 1,963.65 | 27.96                   | 71.220                    |                   |                    |           |
| 5,300.00                                                                                                | 4,181.31              | 4,269.80                     | 4,205.31                     | 22.13                            | 13.17                         | 92.84                 | -645.42                | -199.69 | 2,072.90                                       | 2,044.86 | 28.04                   | 73.930                    |                   |                    |           |
| 5,400.00                                                                                                | 4,184.76              | 4,273.25                     | 4,208.76                     | 22.96                            | 13.17                         | 93.01                 | -645.42                | -199.69 | 2,155.76                                       | 2,127.65 | 28.11                   | 76.681                    |                   |                    |           |
| 5,500.00                                                                                                | 4,188.21              | 4,276.69                     | 4,212.21                     | 23.82                            | 13.17                         | 93.18                 | -645.42                | -199.69 | 2,240.01                                       | 2,211.83 | 28.19                   | 79.469                    |                   |                    |           |
| 5,600.00                                                                                                | 4,191.65              | 4,280.14                     | 4,215.65                     | 24.69                            | 13.18                         | 93.34                 | -645.42                | -199.69 | 2,325.51                                       | 2,297.25 | 28.26                   | 82.288                    |                   |                    |           |
| 5,700.00                                                                                                | 4,195.10              | 4,283.59                     | 4,219.10                     | 25.59                            | 13.18                         | 93.51                 | -645.42                | -199.69 | 2,412.11                                       | 2,383.78 | 28.33                   | 85.135                    |                   |                    |           |
| 5,800.00                                                                                                | 4,198.55              | 4,287.04                     | 4,222.55                     | 26.50                            | 13.18                         | 93.68                 | -645.42                | -199.69 | 2,499.72                                       | 2,471.31 | 28.40                   | 88.006                    |                   |                    |           |
| 5,900.00                                                                                                | 4,202.00              | 4,290.48                     | 4,226.00                     | 27.43                            | 13.18                         | 93.84                 | -645.42                | -199.69 | 2,588.21                                       | 2,559.74 | 28.47                   | 90.898                    |                   |                    |           |
| 6,000.00                                                                                                | 4,205.44              | 4,293.93                     | 4,229.44                     | 28.37                            | 13.19                         | 94.01                 | -645.42                | -199.69 | 2,677.51                                       | 2,648.97 | 28.54                   | 93.807                    |                   |                    |           |
| 6,100.00                                                                                                | 4,208.89              | 4,297.38                     | 4,232.89                     | 29.33                            | 13.19                         | 94.18                 | -645.42                | -199.69 | 2,767.54                                       | 2,738.93 | 28.61                   | 96.731                    |                   |                    |           |
| 6,200.00                                                                                                | 4,212.34              | 4,300.83                     | 4,236.34                     | 30.30                            | 13.19                         | 94.34                 | -645.42                | -199.69 | 2,858.23                                       | 2,829.55 | 28.68                   | 99.667                    |                   |                    |           |
| 6,300.00                                                                                                | 4,215.79              | 4,304.27                     | 4,239.79                     | 31.28                            | 13.19                         | 94.51                 | -645.42                | -199.69 | 2,949.52                                       | 2,920.77 | 28.74                   | 102.614                   |                   |                    |           |
| 6,400.00                                                                                                | 4,219.23              | 4,307.72                     | 4,243.23                     | 32.26                            | 13.20                         | 94.67                 | -645.42                | -199.69 | 3,041.35                                       | 3,012.54 | 28.81                   | 105.570                   |                   |                    |           |
| 6,500.00                                                                                                | 4,222.68              | 4,311.17                     | 4,246.68                     | 33.26                            | 13.20                         | 94.84                 | -645.42                | -199.69 | 3,133.67                                       | 3,104.80 | 28.87                   | 108.532                   |                   |                    |           |
| 6,600.00                                                                                                | 4,226.13              | 4,314.62                     | 4,250.13                     | 34.27                            | 13.20                         | 95.00                 | -645.42                | -199.69 | 3,226.45                                       | 3,197.52 | 28.94                   | 111.499                   |                   |                    |           |
| 6,700.00                                                                                                | 4,229.58              | 4,318.06                     | 4,253.58                     | 35.28                            | 13.20                         | 95.17                 | -645.42                | -199.69 | 3,319.65                                       | 3,290.65 | 29.00                   | 114.470                   |                   |                    |           |
| 6,800.00                                                                                                | 4,233.02              | 4,321.51                     | 4,257.02                     | 36.30                            | 13.21                         | 95.34                 | -645.42                | -199.69 | 3,413.23                                       | 3,384.16 | 29.06                   | 117.444                   |                   |                    |           |
| 6,900.00                                                                                                | 4,236.47              | 4,324.96                     | 4,260.47                     | 37.32                            | 13.21                         | 95.50                 | -645.42                | -199.69 | 3,507.16                                       | 3,478.03 | 29.12                   | 120.418                   |                   |                    |           |
| 7,000.00                                                                                                | 4,239.92              | 4,328.41                     | 4,263.92                     | 38.35                            | 13.21                         | 95.67                 | -645.42                | -199.69 | 3,601.41                                       | 3,572.22 | 29.19                   | 123.393                   |                   |                    |           |
| 7,100.00                                                                                                | 4,243.37              | 4,331.85                     | 4,267.37                     | 39.39                            | 13.21                         | 95.83                 | -645.42                | -199.69 | 3,695.96                                       | 3,666.71 | 29.25                   | 126.366                   |                   |                    |           |
| 7,200.00                                                                                                | 4,246.81              | 4,335.30                     | 4,270.81                     | 40.43                            | 13.22                         | 96.00                 | -645.42                | -199.69 | 3,790.79                                       | 3,761.48 | 29.31                   | 129.338                   |                   |                    |           |
| 7,300.00                                                                                                | 4,250.26              | 4,338.75                     | 4,274.26                     | 41.48                            | 13.22                         | 96.16                 | -645.42                | -199.69 | 3,885.87                                       | 3,856.50 | 29.37                   | 132.307                   |                   |                    |           |
| 7,400.00                                                                                                | 4,253.71              | 4,342.20                     | 4,277.71                     | 42.53                            | 13.22                         | 96.33                 | -645.42                | -199.69 | 3,981.19                                       | 3,951.76 | 29.43                   | 135.272                   |                   |                    |           |
| 7,500.00                                                                                                | 4,257.16              | 4,345.64                     | 4,281.16                     | 43.58                            | 13.22                         | 96.49                 | -645.42                | -199.69 | 4,076.74                                       | 4,047.25 | 29.49                   | 138.233                   |                   |                    |           |
| 7,600.00                                                                                                | 4,260.60              | 4,349.09                     | 4,284.60                     | 44.64                            | 13.23                         | 96.66                 | -645.42                | -199.69 | 4,172.49                                       | 4,142.93 | 29.55                   | 141.189                   |                   |                    |           |
| 7,700.00                                                                                                | 4,264.05              | 4,352.54                     | 4,288.05                     | 45.70                            | 13.23                         | 96.82                 | -645.42                | -199.69 | 4,268.43                                       | 4,238.81 | 29.61                   | 144.139                   |                   |                    |           |
| 7,800.00                                                                                                | 4,267.50              | 4,355.99                     | 4,291.50                     | 46.76                            | 13.23                         | 96.99                 | -645.42                | -199.69 | 4,364.55                                       | 4,334.87 | 29.67                   | 147.083                   |                   |                    |           |
| 7,900.00                                                                                                | 4,270.95              | 4,359.43                     | 4,294.95                     | 47.83                            | 13.24                         | 97.15                 | -645.42                | -199.69 | 4,460.84                                       | 4,431.10 | 29.73                   | 150.020                   |                   |                    |           |
| 8,000.00                                                                                                | 4,274.39              | 4,362.88                     | 4,298.39                     | 48.89                            | 13.24                         | 97.32                 | -645.42                | -199.69 | 4,557.28                                       | 4,527.49 | 29.80                   | 152.950                   |                   |                    |           |
| 8,100.00                                                                                                | 4,277.84              | 4,366.33                     | 4,301.84                     | 49.97                            | 13.24                         | 97.48                 | -645.42                | -199.69 | 4,653.88                                       | 4,624.02 | 29.86                   | 155.871                   |                   |                    |           |
| 8,200.00                                                                                                | 4,281.29              | 4,369.78                     | 4,305.29                     | 51.04                            | 13.24                         | 97.64                 | -645.42                | -199.69 | 4,750.61                                       | 4,720.69 | 29.92                   | 158.785                   |                   |                    |           |
| 8,300.00                                                                                                | 4,284.74              | 4,373.22                     | 4,308.74                     | 52.12                            | 13.25                         | 97.81                 | -645.42                | -199.69 | 4,847.47                                       | 4,817.49 | 29.98                   | 161.689                   |                   |                    |           |
| 8,400.00                                                                                                | 4,288.18              | 4,376.67                     | 4,312.18                     | 53.19                            | 13.25                         | 97.97                 | -645.42                | -199.69 | 4,944.46                                       | 4,914.41 | 30.04                   | 164.585                   |                   |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 1 - Wellbore #1 - Wellbore #1 |                             |                             |                             |                     |                  |                             |                        |                 |                              |                               |                                 |                      | Offset Site Error: 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|------------------------------|
| Survey Program: 197-INC-ONLY                                                             |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Rule Assigned: Distance      |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning                      |
| Measured<br>Depth<br>(usft)                                                              | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |                              |
| 4,800.00                                                                                 | 4,164.07                    | 4,237.95                    | 4,236.73                    | 18.45               | 98.86            | 84.66                       | -1,075.93              | 5,638.59        | 4,932.66                     | 4,818.10                      | 114.57                          | 43.055               |                              |
| 4,900.00                                                                                 | 4,167.52                    | 4,240.74                    | 4,239.52                    | 19.11               | 98.92            | 84.75                       | -1,075.93              | 5,638.59        | 4,839.04                     | 4,724.23                      | 114.81                          | 42.150               |                              |
| 5,000.00                                                                                 | 4,170.97                    | 4,243.53                    | 4,242.31                    | 19.81               | 98.98            | 84.84                       | -1,075.93              | 5,638.59        | 4,745.67                     | 4,630.61                      | 115.06                          | 41.244               |                              |
| 5,100.00                                                                                 | 4,174.42                    | 4,246.31                    | 4,245.09                    | 20.55               | 99.03            | 84.93                       | -1,075.94              | 5,638.59        | 4,652.58                     | 4,537.24                      | 115.34                          | 40.337               |                              |
| 5,200.00                                                                                 | 4,177.86                    | 4,249.10                    | 4,247.88                    | 21.33               | 99.09            | 85.03                       | -1,075.94              | 5,638.59        | 4,559.78                     | 4,444.14                      | 115.64                          | 39.430               |                              |
| 5,300.00                                                                                 | 4,181.31                    | 4,251.89                    | 4,250.67                    | 22.13               | 99.14            | 85.12                       | -1,075.95              | 5,638.59        | 4,467.28                     | 4,351.32                      | 115.97                          | 38.522               |                              |
| 5,400.00                                                                                 | 4,184.76                    | 4,254.67                    | 4,253.45                    | 22.96               | 99.20            | 85.21                       | -1,075.95              | 5,638.59        | 4,375.12                     | 4,258.80                      | 116.31                          | 37.615               |                              |
| 5,500.00                                                                                 | 4,188.21                    | 4,257.46                    | 4,256.23                    | 23.82               | 99.26            | 85.31                       | -1,075.96              | 5,638.59        | 4,283.30                     | 4,166.61                      | 116.69                          | 36.707               |                              |
| 5,600.00                                                                                 | 4,191.65                    | 4,260.24                    | 4,259.02                    | 24.69               | 99.31            | 85.40                       | -1,075.97              | 5,638.59        | 4,191.86                     | 4,074.77                      | 117.09                          | 35.800               |                              |
| 5,700.00                                                                                 | 4,195.10                    | 4,263.02                    | 4,261.80                    | 25.59               | 99.37            | 85.49                       | -1,075.98              | 5,638.59        | 4,100.81                     | 3,983.29                      | 117.52                          | 34.894               |                              |
| 5,800.00                                                                                 | 4,198.55                    | 4,265.80                    | 4,264.58                    | 26.50               | 99.42            | 85.58                       | -1,075.99              | 5,638.59        | 4,010.19                     | 3,892.20                      | 117.99                          | 33.988               |                              |
| 5,900.00                                                                                 | 4,202.00                    | 4,268.58                    | 4,267.36                    | 27.43               | 99.48            | 85.68                       | -1,076.00              | 5,638.59        | 3,920.02                     | 3,801.53                      | 118.48                          | 33.085               |                              |
| 6,000.00                                                                                 | 4,205.44                    | 4,271.36                    | 4,270.14                    | 28.37               | 99.54            | 85.77                       | -1,076.02              | 5,638.59        | 3,830.33                     | 3,711.32                      | 119.01                          | 32.184               |                              |
| 6,100.00                                                                                 | 4,208.89                    | 4,274.13                    | 4,272.91                    | 29.33               | 99.59            | 85.86                       | -1,076.03              | 5,638.59        | 3,741.17                     | 3,621.59                      | 119.58                          | 31.285               |                              |
| 6,200.00                                                                                 | 4,212.34                    | 4,276.91                    | 4,275.69                    | 30.30               | 99.65            | 85.95                       | -1,076.05              | 5,638.59        | 3,652.57                     | 3,532.38                      | 120.19                          | 30.390               |                              |
| 6,300.00                                                                                 | 4,215.79                    | 4,279.69                    | 4,278.46                    | 31.28               | 99.70            | 86.05                       | -1,076.06              | 5,638.59        | 3,564.56                     | 3,443.72                      | 120.84                          | 29.498               |                              |
| 6,400.00                                                                                 | 4,219.23                    | 4,282.46                    | 4,281.24                    | 32.26               | 99.76            | 86.14                       | -1,076.08              | 5,638.59        | 3,477.20                     | 3,355.67                      | 121.53                          | 28.611               |                              |
| 6,500.00                                                                                 | 4,222.68                    | 4,285.23                    | 4,284.01                    | 33.26               | 99.81            | 86.23                       | -1,076.10              | 5,638.59        | 3,390.54                     | 3,268.27                      | 122.27                          | 27.729               |                              |
| 6,600.00                                                                                 | 4,226.13                    | 4,300.36                    | 4,299.13                    | 34.27               | 100.12           | 86.74                       | -1,076.22              | 5,638.59        | 3,304.66                     | 3,181.34                      | 123.31                          | 26.799               |                              |
| 6,700.00                                                                                 | 4,229.58                    | 4,303.81                    | 4,302.58                    | 35.28               | 100.19           | 86.85                       | -1,076.22              | 5,638.59        | 3,219.54                     | 3,095.37                      | 124.17                          | 25.929               |                              |
| 6,800.00                                                                                 | 4,233.02                    | 4,307.26                    | 4,306.02                    | 36.30               | 100.26           | 86.97                       | -1,076.22              | 5,638.59        | 3,135.30                     | 3,010.22                      | 125.08                          | 25.067               |                              |
| 6,900.00                                                                                 | 4,236.47                    | 4,310.70                    | 4,309.47                    | 37.32               | 100.34           | 87.08                       | -1,076.22              | 5,638.59        | 3,052.01                     | 2,925.97                      | 126.05                          | 24.214               |                              |
| 7,000.00                                                                                 | 4,239.92                    | 4,314.15                    | 4,312.92                    | 38.35               | 100.41           | 87.20                       | -1,076.22              | 5,638.59        | 2,969.75                     | 2,842.68                      | 127.07                          | 23.371               |                              |
| 7,100.00                                                                                 | 4,243.37                    | 4,317.60                    | 4,316.37                    | 39.39               | 100.48           | 87.31                       | -1,076.22              | 5,638.59        | 2,888.60                     | 2,760.44                      | 128.16                          | 22.539               |                              |
| 7,200.00                                                                                 | 4,246.81                    | 4,321.05                    | 4,319.81                    | 40.43               | 100.55           | 87.43                       | -1,076.22              | 5,638.59        | 2,808.66                     | 2,679.35                      | 129.32                          | 21.720               |                              |
| 7,300.00                                                                                 | 4,250.26                    | 4,324.49                    | 4,323.26                    | 41.48               | 100.62           | 87.54                       | -1,076.22              | 5,638.59        | 2,730.04                     | 2,599.51                      | 130.54                          | 20.914               |                              |
| 7,400.00                                                                                 | 4,253.71                    | 4,327.94                    | 4,326.71                    | 42.53               | 100.70           | 87.66                       | -1,076.22              | 5,638.59        | 2,652.86                     | 2,521.03                      | 131.83                          | 20.124               |                              |
| 7,500.00                                                                                 | 4,257.16                    | 4,331.39                    | 4,330.16                    | 43.58               | 100.77           | 87.77                       | -1,076.22              | 5,638.59        | 2,577.24                     | 2,444.05                      | 133.19                          | 19.350               |                              |
| 7,600.00                                                                                 | 4,260.60                    | 4,334.84                    | 4,333.60                    | 44.64               | 100.84           | 87.89                       | -1,076.22              | 5,638.59        | 2,503.33                     | 2,368.70                      | 134.63                          | 18.594               |                              |
| 7,700.00                                                                                 | 4,264.05                    | 4,338.28                    | 4,337.05                    | 45.70               | 100.91           | 88.00                       | -1,076.22              | 5,638.59        | 2,431.28                     | 2,295.14                      | 136.14                          | 17.858               |                              |
| 7,800.00                                                                                 | 4,267.50                    | 4,341.73                    | 4,340.50                    | 46.76               | 100.98           | 88.12                       | -1,076.22              | 5,638.59        | 2,361.26                     | 2,223.53                      | 137.73                          | 17.144               |                              |
| 7,900.00                                                                                 | 4,270.95                    | 4,345.18                    | 4,343.95                    | 47.83               | 101.05           | 88.23                       | -1,076.22              | 5,638.59        | 2,293.46                     | 2,154.07                      | 139.39                          | 16.454               |                              |
| 8,000.00                                                                                 | 4,274.39                    | 4,348.63                    | 4,347.39                    | 48.89               | 101.13           | 88.35                       | -1,076.22              | 5,638.59        | 2,228.09                     | 2,086.96                      | 141.12                          | 15.788               |                              |
| 8,100.00                                                                                 | 4,277.84                    | 4,352.07                    | 4,350.84                    | 49.97               | 101.20           | 88.46                       | -1,076.22              | 5,638.59        | 2,165.35                     | 2,022.42                      | 142.92                          | 15.150               |                              |
| 8,200.00                                                                                 | 4,281.29                    | 4,355.52                    | 4,354.29                    | 51.04               | 101.27           | 88.58                       | -1,076.22              | 5,638.59        | 2,105.49                     | 1,960.70                      | 144.79                          | 14.542               |                              |
| 8,300.00                                                                                 | 4,284.74                    | 4,358.97                    | 4,357.74                    | 52.12               | 101.34           | 88.70                       | -1,076.22              | 5,638.59        | 2,048.75                     | 1,902.05                      | 146.70                          | 13.965               |                              |
| 8,400.00                                                                                 | 4,288.18                    | 4,362.42                    | 4,361.18                    | 53.19               | 101.41           | 88.81                       | -1,076.22              | 5,638.59        | 1,995.42                     | 1,846.75                      | 148.66                          | 13.422               |                              |
| 8,500.00                                                                                 | 4,291.63                    | 4,365.86                    | 4,364.63                    | 54.27               | 101.49           | 88.93                       | -1,076.22              | 5,638.59        | 1,945.75                     | 1,795.10                      | 150.65                          | 12.916               |                              |
| 8,600.00                                                                                 | 4,295.08                    | 4,369.31                    | 4,368.08                    | 55.36               | 101.56           | 89.04                       | -1,076.22              | 5,638.59        | 1,900.05                     | 1,747.40                      | 152.65                          | 12.447               |                              |
| 8,700.00                                                                                 | 4,298.53                    | 4,372.76                    | 4,371.53                    | 56.44               | 101.63           | 89.16                       | -1,076.22              | 5,638.59        | 1,858.61                     | 1,703.97                      | 154.64                          | 12.019               |                              |
| 8,800.00                                                                                 | 4,301.97                    | 4,376.21                    | 4,374.97                    | 57.53               | 101.70           | 89.27                       | -1,076.22              | 5,638.59        | 1,821.71                     | 1,665.11                      | 156.60                          | 11.633               |                              |
| 8,900.00                                                                                 | 4,305.42                    | 4,379.65                    | 4,378.42                    | 58.61               | 101.77           | 89.39                       | -1,076.22              | 5,638.59        | 1,789.64                     | 1,631.13                      | 158.50                          | 11.291               |                              |
| 9,000.00                                                                                 | 4,308.87                    | 4,383.10                    | 4,381.87                    | 59.70               | 101.85           | 89.50                       | -1,076.22              | 5,638.59        | 1,762.65                     | 1,602.34                      | 160.32                          | 10.995               |                              |
| 9,100.00                                                                                 | 4,312.32                    | 4,386.55                    | 4,385.32                    | 60.79               | 101.92           | 89.62                       | -1,076.22              | 5,638.59        | 1,741.00                     | 1,578.98                      | 162.02                          | 10.745               |                              |
| 9,200.00                                                                                 | 4,315.76                    | 4,390.00                    | 4,388.76                    | 61.88               | 101.99           | 89.73                       | -1,076.22              | 5,638.59        | 1,724.87                     | 1,561.29                      | 163.58                          | 10.544               |                              |
| 9,300.00                                                                                 | 4,319.21                    | 4,393.44                    | 4,392.21                    | 62.97               | 102.06           | 89.85                       | -1,076.22              | 5,638.59        | 1,714.43                     | 1,549.45                      | 164.98                          | 10.392               |                              |
| 9,400.00                                                                                 | 4,322.66                    | 4,396.89                    | 4,395.66                    | 64.07               | 102.13           | 89.97                       | -1,076.22              | 5,638.59        | 1,709.77                     | 1,543.58                      | 166.19                          | 10.288               |                              |
| 9,429.81                                                                                 | 4,323.69                    | 4,397.92                    | 4,396.69                    | 64.39               | 102.16           | 90.00                       | -1,076.22              | 5,638.59        | 1,709.51                     | 1,543.00                      | 166.52                          | 10.266 CC, ES        |                              |
| 9,500.00                                                                                 | 4,326.11                    | 4,400.34                    | 4,399.11                    | 65.16               | 102.21           | 90.08                       | -1,076.22              | 5,638.59        | 1,710.95                     | 1,543.75                      | 167.21                          | 10.233               |                              |
| 9,600.00                                                                                 | 4,329.55                    | 4,403.79                    | 4,402.55                    | 66.26               | 102.28           | 90.20                       | -1,076.22              | 5,638.59        | 1,717.95                     | 1,549.95                      | 168.01                          | 10.225 SF            |                              |
| 9,700.00                                                                                 | 4,333.00                    | 4,407.23                    | 4,406.00                    | 67.35               | 102.35           | 90.31                       | -1,076.22              | 5,638.59        | 1,730.71                     | 1,562.11                      | 168.60                          | 10.265               |                              |
| 9,757.94                                                                                 | 4,335.00                    | 4,409.23                    | 4,408.00                    | 67.99               | 102.39           | 90.38                       | -1,076.22              | 5,638.59        | 1,740.68                     | 1,571.84                      | 168.84                          | 10.309               |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

|                    |                                |                              |                                    |
|--------------------|--------------------------------|------------------------------|------------------------------------|
| Company:           | SPUR ENERGY PARTNERS, LLC      | Local Co-ordinate Reference: | Well 70H                           |
| Project:           | EDDY COUNTY, NM (NAD 83 - NME) | TVD Reference:               | RKB = 20' @ 3632.00usft (AKITA 57) |
| Reference Site:    | SMITHDALE 29 FEDERAL           | MD Reference:                | RKB = 20' @ 3632.00usft (AKITA 57) |
| Site Error:        | 0.00 usft                      | North Reference:             | Grid                               |
| Reference Well:    | 70H                            | Survey Calculation Method:   | Minimum Curvature                  |
| Well Error:        | 0.00 usft                      | Output errors are at         | 2.00 sigma                         |
| Reference Wellbore | OH                             | Database:                    | EDM 5000.17 Single User Db         |
| Reference Design:  | PERMIT                         | Offset TVD Reference:        | Offset Datum                       |

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 10 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                         |                         |                           |                   | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|-------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 220-INC-ONLY                                                              |                       |                       |                       |                                  |                               |                       |                        |              |                         |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Rule Assigned: Distance |                         | Minimum Separation (usft) | Separation Factor | Warning            |           |
|                                                                                           |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)  | Between Ellipses (usft) |                           |                   |                    |           |
| 0.00                                                                                      | 0.00                  | 71.00                 | 71.00                 | 0.00                             | 1.38                          | 88.53                 | 110.99                 | 4,332.79     | 4,334.21                |                         |                           |                   |                    |           |
| 100.00                                                                                    | 100.00                | 171.00                | 171.00                | 0.29                             | 3.33                          | 88.53                 | 110.99                 | 4,332.79     | 4,334.21                | 4,330.60                | 3.61                      | 1,199.261         |                    |           |
| 200.00                                                                                    | 200.00                | 271.01                | 271.00                | 0.65                             | 5.48                          | 88.53                 | 110.99                 | 4,332.79     | 4,334.21                | 4,328.09                | 6.12                      | 707.775           |                    |           |
| 300.00                                                                                    | 300.00                | 371.46                | 371.44                | 1.00                             | 7.84                          | 88.53                 | 111.27                 | 4,332.79     | 4,334.22                | 4,325.38                | 8.84                      | 490.253           |                    |           |
| 304.45                                                                                    | 304.45                | 375.94                | 375.93                | 1.02                             | 7.94                          | 95.51                 | 111.25                 | 4,332.79     | 4,334.22                | 4,325.26                | 8.96                      | 483.616           |                    |           |
| 400.00                                                                                    | 399.98                | 471.04                | 470.98                | 1.36                             | 10.25                         | 95.54                 | 110.99                 | 4,332.79     | 4,334.38                | 4,322.76                | 11.61                     | 373.175           |                    |           |
| 500.00                                                                                    | 499.84                | 571.20                | 571.12                | 1.73                             | 12.76                         | 95.58                 | 111.93                 | 4,332.79     | 4,334.91                | 4,320.43                | 14.48                     | 299.441           |                    |           |
| 600.00                                                                                    | 599.45                | 672.02                | 671.92                | 2.09                             | 15.28                         | 95.69                 | 111.05                 | 4,332.79     | 4,335.75                | 4,318.39                | 17.36                     | 249.823           |                    |           |
| 700.00                                                                                    | 698.70                | 769.85                | 769.70                | 2.45                             | 17.54                         | 95.83                 | 110.99                 | 4,332.79     | 4,336.98                | 4,317.01                | 19.97                     | 217.152           |                    |           |
| 800.00                                                                                    | 797.47                | 869.19                | 869.02                | 2.82                             | 19.82                         | 96.00                 | 111.26                 | 4,332.79     | 4,338.61                | 4,316.00                | 22.62                     | 191.826           |                    |           |
| 900.00                                                                                    | 896.02                | 967.22                | 967.02                | 3.17                             | 22.08                         | 96.22                 | 110.99                 | 4,332.79     | 4,340.44                | 4,315.21                | 25.24                     | 171.998           |                    |           |
| 1,000.00                                                                                  | 994.57                | 1,065.99              | 1,065.77              | 3.53                             | 24.35                         | 96.43                 | 111.42                 | 4,332.79     | 4,342.34                | 4,314.47                | 27.87                     | 155.797           |                    |           |
| 1,100.00                                                                                  | 1,093.12              | 1,164.38              | 1,164.12              | 3.89                             | 26.61                         | 96.66                 | 110.99                 | 4,332.79     | 4,344.30                | 4,313.80                | 30.50                     | 142.433           |                    |           |
| 1,200.00                                                                                  | 1,191.68              | 1,262.94              | 1,262.68              | 4.26                             | 28.88                         | 96.87                 | 111.53                 | 4,332.79     | 4,346.33                | 4,313.19                | 33.13                     | 131.173           |                    |           |
| 1,300.00                                                                                  | 1,290.23              | 1,361.53              | 1,361.23              | 4.63                             | 31.15                         | 97.10                 | 110.99                 | 4,332.79     | 4,348.42                | 4,312.65                | 35.77                     | 121.568           |                    |           |
| 1,400.00                                                                                  | 1,388.78              | 1,460.08              | 1,459.78              | 4.99                             | 33.41                         | 97.31                 | 110.99                 | 4,332.79     | 4,350.58                | 4,312.17                | 38.40                     | 113.284           |                    |           |
| 1,500.00                                                                                  | 1,487.33              | 1,558.27              | 1,557.95              | 5.36                             | 35.67                         | 97.53                 | 111.30                 | 4,332.79     | 4,352.80                | 4,311.77                | 41.03                     | 106.086           |                    |           |
| 1,600.00                                                                                  | 1,585.88              | 1,657.24              | 1,656.88              | 5.73                             | 37.81                         | 97.75                 | 110.99                 | 4,332.79     | 4,355.09                | 4,311.55                | 43.54                     | 100.031           |                    |           |
| 1,700.00                                                                                  | 1,684.43              | 1,755.54              | 1,755.17              | 6.10                             | 39.87                         | 97.96                 | 111.61                 | 4,332.79     | 4,357.43                | 4,311.47                | 45.96                     | 94.806            |                    |           |
| 1,800.00                                                                                  | 1,782.99              | 1,854.38              | 1,853.99              | 6.47                             | 41.92                         | 98.19                 | 110.99                 | 4,332.79     | 4,359.86                | 4,311.47                | 48.38                     | 90.110            |                    |           |
| 1,900.00                                                                                  | 1,881.54              | 1,952.94              | 1,952.54              | 6.84                             | 43.85                         | 98.40                 | 110.99                 | 4,332.79     | 4,362.34                | 4,311.65                | 50.68                     | 86.069            |                    |           |
| 2,000.00                                                                                  | 1,980.09              | 2,050.98              | 2,050.57              | 7.21                             | 45.77                         | 98.62                 | 111.22                 | 4,332.79     | 4,364.88                | 4,311.90                | 52.98                     | 82.395            |                    |           |
| 2,100.00                                                                                  | 2,078.64              | 2,150.06              | 2,149.64              | 7.58                             | 47.72                         | 98.84                 | 110.99                 | 4,332.79     | 4,367.49                | 4,312.20                | 55.29                     | 78.993            |                    |           |
| 2,200.00                                                                                  | 2,177.19              | 2,248.36              | 2,247.93              | 7.95                             | 49.65                         | 99.05                 | 111.45                 | 4,332.79     | 4,370.15                | 4,312.56                | 57.59                     | 75.881            |                    |           |
| 2,300.00                                                                                  | 2,275.75              | 2,345.81              | 2,345.38              | 8.32                             | 51.57                         | 99.27                 | 111.01                 | 4,332.79     | 4,372.91                | 4,313.03                | 59.88                     | 73.031            |                    |           |
| 2,400.00                                                                                  | 2,374.30              | 2,445.74              | 2,445.30              | 8.69                             | 53.54                         | 99.49                 | 110.99                 | 4,332.79     | 4,375.71                | 4,313.49                | 62.22                     | 70.330            |                    |           |
| 2,500.00                                                                                  | 2,472.85              | 2,543.29              | 2,542.84              | 9.06                             | 55.46                         | 99.70                 | 111.13                 | 4,332.79     | 4,378.57                | 4,314.06                | 64.51                     | 67.876            |                    |           |
| 2,600.00                                                                                  | 2,571.40              | 2,642.87              | 2,642.40              | 9.43                             | 57.36                         | 99.92                 | 110.99                 | 4,332.79     | 4,381.51                | 4,314.52                | 66.98                     | 65.412            |                    |           |
| 2,700.00                                                                                  | 2,669.95              | 2,740.38              | 2,739.91              | 9.80                             | 59.28                         | 100.13                | 111.29                 | 4,332.79     | 4,384.49                | 4,315.02                | 69.47                     | 63.117            |                    |           |
| 2,800.00                                                                                  | 2,768.50              | 2,840.01              | 2,839.50              | 10.17                            | 61.19                         | 100.35                | 110.99                 | 4,332.79     | 4,387.56                | 4,315.37                | 72.19                     | 60.782            |                    |           |
| 2,900.00                                                                                  | 2,867.06              | 2,937.57              | 2,937.05              | 10.54                            | 63.12                         | 100.55                | 111.52                 | 4,332.79     | 4,390.65                | 4,315.60                | 75.05                     | 58.504            |                    |           |
| 3,000.00                                                                                  | 2,965.61              | 3,037.20              | 3,036.61              | 10.92                            | 65.06                         | 100.78                | 110.99                 | 4,332.79     | 4,393.87                | 4,315.88                | 77.98                     | 56.344            |                    |           |
| 3,100.00                                                                                  | 3,064.16              | 3,135.17              | 3,134.56              | 11.29                            | 66.96                         | 100.98                | 111.91                 | 4,332.79     | 4,397.05                | 4,316.12                | 80.93                     | 54.334            |                    |           |
| 3,200.00                                                                                  | 3,162.72              | 3,234.40              | 3,233.72              | 11.66                            | 68.87                         | 93.08                 | 110.99                 | 4,332.79     | 4,400.14                | 4,316.24                | 83.90                     | 52.444            |                    |           |
| 3,300.00                                                                                  | 3,261.19              | 3,332.88              | 3,332.19              | 12.02                            | 70.79                         | 60.62                 | 110.99                 | 4,332.79     | 4,395.85                | 4,309.18                | 86.66                     | 50.724            |                    |           |
| 3,400.00                                                                                  | 3,358.69              | 3,427.02              | 3,426.32              | 12.38                            | 72.71                         | 40.53                 | 111.28                 | 4,332.79     | 4,381.18                | 4,291.87                | 89.31                     | 49.056            |                    |           |
| 3,500.00                                                                                  | 3,454.14              | 3,525.89              | 3,525.14              | 12.72                            | 74.63                         | 29.76                 | 110.99                 | 4,332.79     | 4,356.36                | 4,264.30                | 92.06                     | 47.322            |                    |           |
| 3,600.00                                                                                  | 3,546.50              | 3,616.92              | 3,616.16              | 13.04                            | 76.55                         | 23.60                 | 111.71                 | 4,332.79     | 4,321.53                | 4,226.93                | 94.60                     | 45.682            |                    |           |
| 3,700.00                                                                                  | 3,634.76              | 3,701.89              | 3,701.11              | 13.35                            | 78.47                         | 19.83                 | 111.07                 | 4,332.79     | 4,277.27                | 4,180.30                | 96.97                     | 44.108            |                    |           |
| 3,800.00                                                                                  | 3,717.94              | 3,789.77              | 3,788.94              | 13.64                            | 80.39                         | 17.42                 | 110.99                 | 4,332.79     | 4,223.89                | 4,124.55                | 99.34                     | 42.520            |                    |           |
| 3,900.00                                                                                  | 3,795.15              | 3,863.49              | 3,862.65              | 13.94                            | 82.31                         | 15.85                 | 111.29                 | 4,332.79     | 4,161.99                | 4,060.65                | 101.34                    | 41.070            |                    |           |
| 4,000.00                                                                                  | 3,865.52              | 3,937.40              | 3,936.52              | 14.28                            | 84.23                         | 14.90                 | 110.99                 | 4,332.79     | 4,092.32                | 3,989.10                | 103.22                    | 39.646            |                    |           |
| 4,100.00                                                                                  | 3,928.30              | 3,999.66              | 3,998.78              | 14.67                            | 86.15                         | 14.41                 | 111.50                 | 4,332.79     | 4,015.50                | 3,910.74                | 104.76                    | 38.329            |                    |           |
| 4,200.00                                                                                  | 3,982.79              | 4,051.63              | 4,050.75              | 15.11                            | 88.07                         | 14.38                 | 111.29                 | 4,332.79     | 3,932.54                | 3,826.48                | 106.05                    | 37.082            |                    |           |
| 4,300.00                                                                                  | 4,032.79              | 4,104.70              | 4,103.79              | 15.59                            | 90.00                         | 14.71                 | 110.99                 | 4,332.79     | 3,846.69                | 3,739.37                | 107.32                    | 35.843            |                    |           |
| 4,400.00                                                                                  | 4,082.79              | 4,154.70              | 4,153.79              | 16.11                            | 91.92                         | 15.04                 | 110.99                 | 4,332.79     | 3,760.84                | 3,652.33                | 108.51                    | 34.660            |                    |           |
| 4,500.00                                                                                  | 4,125.25              | 4,197.11              | 4,196.19              | 16.67                            | 93.84                         | 21.76                 | 111.41                 | 4,332.79     | 3,671.21                | 3,561.68                | 109.53                    | 33.518            |                    |           |
| 4,600.00                                                                                  | 4,151.36              | 4,222.44              | 4,221.53              | 17.25                            | 95.76                         | 38.67                 | 111.39                 | 4,332.79     | 3,575.74                | 3,465.58                | 110.16                    | 32.459            |                    |           |
| 4,700.00                                                                                  | 4,160.63              | 4,231.43              | 4,230.52              | 17.84                            | 97.68                         | 76.54                 | 111.37                 | 4,332.79     | 3,477.29                | 3,366.86                | 110.42                    | 31.491            |                    |           |
| 4,800.00                                                                                  | 4,164.07              | 4,234.77              | 4,233.86              | 18.45                            | 99.60                         | 76.91                 | 111.36                 | 4,332.79     | 3,378.42                | 3,267.87                | 110.55                    | 30.559            |                    |           |
| 4,900.00                                                                                  | 4,167.52              | 4,238.11              | 4,237.20              | 19.11                            | 101.52                        | 77.27                 | 111.35                 | 4,332.79     | 3,279.61                | 3,168.92                | 110.69                    | 29.629            |                    |           |
| 5,000.00                                                                                  | 4,170.97              | 4,241.45              | 4,240.54              | 19.81                            | 103.44                        | 77.63                 | 111.34                 | 4,332.79     | 3,180.88                | 3,070.05                | 110.84                    | 28.699            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 10 - Wellbore #1 - Wellbore #1 |                       |                                 |                       |                  |               |                        |              |              |                         |                         |                           |                   |                    | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|---------------------------------|-----------------------|------------------|---------------|------------------------|--------------|--------------|-------------------------|-------------------------|---------------------------|-------------------|--------------------|--------------------|-----------|
| Survey Program: 220-INC-ONLY                                                              |                       | Offset                          |                       | Semi Major Axis  |               | Offset Wellbore Centre |              |              | Rule Assigned: Distance |                         |                           |                   | Offset Well Error: | 0.00 usft          |           |
| Reference Measured Depth (usft)                                                           | Vertical Depth (usft) | Reference Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft) | +E/-W (usft) | Between Centres (usft)  | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |                    |           |
| 5,100.00                                                                                  | 4,174.42              | 4,244.79                        | 4,243.88              | 20.55            | 95.65         | 78.00                  | 111.33       | 4,332.79     | 3,082.23                | 2,971.24                | 110.99                    | 27.771            |                    |                    |           |
| 5,200.00                                                                                  | 4,177.86              | 4,248.13                        | 4,247.21              | 21.33            | 95.72         | 78.36                  | 111.32       | 4,332.79     | 2,983.66                | 2,872.51                | 111.15                    | 26.843            |                    |                    |           |
| 5,300.00                                                                                  | 4,181.31              | 4,251.46                        | 4,250.55              | 22.13            | 95.79         | 78.73                  | 111.31       | 4,332.79     | 2,885.19                | 2,773.86                | 111.32                    | 25.917            |                    |                    |           |
| 5,400.00                                                                                  | 4,184.76              | 4,254.80                        | 4,253.89              | 22.96            | 95.86         | 79.10                  | 111.29       | 4,332.79     | 2,786.82                | 2,675.31                | 111.51                    | 24.992            |                    |                    |           |
| 5,500.00                                                                                  | 4,188.21              | 4,258.14                        | 4,257.22              | 23.82            | 95.93         | 79.47                  | 111.28       | 4,332.79     | 2,688.56                | 2,576.86                | 111.71                    | 24.068            |                    |                    |           |
| 5,600.00                                                                                  | 4,191.65              | 4,261.47                        | 4,260.56              | 24.69            | 96.00         | 79.84                  | 111.26       | 4,332.79     | 2,590.44                | 2,478.52                | 111.92                    | 23.146            |                    |                    |           |
| 5,700.00                                                                                  | 4,195.10              | 4,264.81                        | 4,263.89              | 25.59            | 96.07         | 80.21                  | 111.25       | 4,332.79     | 2,492.46                | 2,380.31                | 112.15                    | 22.225            |                    |                    |           |
| 5,800.00                                                                                  | 4,198.55              | 4,268.14                        | 4,267.22              | 26.50            | 96.14         | 80.58                  | 111.23       | 4,332.79     | 2,394.64                | 2,282.25                | 112.40                    | 21.305            |                    |                    |           |
| 5,900.00                                                                                  | 4,202.00              | 4,271.47                        | 4,270.56              | 27.43            | 96.21         | 80.95                  | 111.21       | 4,332.79     | 2,297.01                | 2,184.34                | 112.67                    | 20.387            |                    |                    |           |
| 6,000.00                                                                                  | 4,205.44              | 4,274.80                        | 4,273.89              | 28.37            | 96.28         | 81.32                  | 111.20       | 4,332.79     | 2,199.58                | 2,086.61                | 112.97                    | 19.471            |                    |                    |           |
| 6,100.00                                                                                  | 4,208.89              | 4,278.13                        | 4,277.22              | 29.33            | 96.35         | 81.70                  | 111.18       | 4,332.79     | 2,102.39                | 1,989.09                | 113.30                    | 18.556            |                    |                    |           |
| 6,200.00                                                                                  | 4,212.34              | 4,281.46                        | 4,280.55              | 30.30            | 96.42         | 82.07                  | 111.16       | 4,332.79     | 2,005.47                | 1,891.81                | 113.66                    | 17.644            |                    |                    |           |
| 6,300.00                                                                                  | 4,215.79              | 4,284.79                        | 4,283.88              | 31.28            | 96.49         | 82.44                  | 111.14       | 4,332.79     | 1,908.86                | 1,794.79                | 114.07                    | 16.734            |                    |                    |           |
| 6,400.00                                                                                  | 4,219.23              | 4,288.12                        | 4,287.21              | 32.26            | 96.56         | 82.82                  | 111.12       | 4,332.79     | 1,812.62                | 1,698.09                | 114.53                    | 15.827            |                    |                    |           |
| 6,500.00                                                                                  | 4,222.68              | 4,291.45                        | 4,290.53              | 33.26            | 96.63         | 83.19                  | 111.09       | 4,332.79     | 1,716.79                | 1,601.74                | 115.05                    | 14.922            |                    |                    |           |
| 6,600.00                                                                                  | 4,226.13              | 4,294.78                        | 4,293.86              | 34.27            | 96.70         | 83.57                  | 111.07       | 4,332.79     | 1,621.47                | 1,505.83                | 115.64                    | 14.022            |                    |                    |           |
| 6,700.00                                                                                  | 4,229.58              | 4,298.10                        | 4,297.19              | 35.28            | 96.77         | 83.95                  | 111.05       | 4,332.79     | 1,526.73                | 1,410.41                | 116.32                    | 13.126            |                    |                    |           |
| 6,800.00                                                                                  | 4,233.02              | 4,301.43                        | 4,300.51              | 36.30            | 96.84         | 84.32                  | 111.02       | 4,332.79     | 1,432.70                | 1,315.61                | 117.10                    | 12.235            |                    |                    |           |
| 6,900.00                                                                                  | 4,236.47              | 4,308.41                        | 4,307.47              | 37.32            | 96.99         | 85.11                  | 110.99       | 4,332.79     | 1,339.53                | 1,221.45                | 118.08                    | 11.344            |                    |                    |           |
| 7,000.00                                                                                  | 4,239.92              | 4,311.86                        | 4,310.92              | 38.35            | 97.06         | 85.50                  | 110.99       | 4,332.79     | 1,247.39                | 1,128.25                | 119.14                    | 10.470            |                    |                    |           |
| 7,100.00                                                                                  | 4,243.37              | 4,315.31                        | 4,314.37              | 39.39            | 97.14         | 85.90                  | 110.99       | 4,332.79     | 1,156.56                | 1,036.16                | 120.40                    | 9.606             |                    |                    |           |
| 7,200.00                                                                                  | 4,246.81              | 4,318.75                        | 4,317.81              | 40.43            | 97.21         | 86.29                  | 110.99       | 4,332.79     | 1,067.35                | 945.47                  | 121.88                    | 8.758             |                    |                    |           |
| 7,300.00                                                                                  | 4,250.26              | 4,322.20                        | 4,321.26              | 41.48            | 97.29         | 86.68                  | 110.99       | 4,332.79     | 980.21                  | 856.58                  | 123.63                    | 7.928             |                    |                    |           |
| 7,400.00                                                                                  | 4,253.71              | 4,325.65                        | 4,324.71              | 42.53            | 97.36         | 87.07                  | 110.99       | 4,332.79     | 895.76                  | 770.03                  | 125.72                    | 7.125             |                    |                    |           |
| 7,500.00                                                                                  | 4,257.16              | 4,329.10                        | 4,328.16              | 43.58            | 97.44         | 87.47                  | 110.99       | 4,332.79     | 814.81                  | 686.61                  | 128.21                    | 6.355             |                    |                    |           |
| 7,600.00                                                                                  | 4,260.60              | 4,332.54                        | 4,331.60              | 44.64            | 97.51         | 87.86                  | 110.99       | 4,332.79     | 738.54                  | 607.41                  | 131.13                    | 5.632             |                    |                    |           |
| 7,700.00                                                                                  | 4,264.05              | 4,335.99                        | 4,335.05              | 45.70            | 97.58         | 88.25                  | 110.99       | 4,332.79     | 668.53                  | 534.02                  | 134.51                    | 4.970             |                    |                    |           |
| 7,800.00                                                                                  | 4,267.50              | 4,339.44                        | 4,338.50              | 46.76            | 97.66         | 88.65                  | 110.99       | 4,332.79     | 606.95                  | 468.71                  | 138.25                    | 4.390             |                    |                    |           |
| 7,900.00                                                                                  | 4,270.95              | 4,342.89                        | 4,341.95              | 47.83            | 97.73         | 89.04                  | 110.99       | 4,332.79     | 556.63                  | 414.55                  | 142.08                    | 3.918             |                    |                    |           |
| 8,000.00                                                                                  | 4,274.39              | 4,346.33                        | 4,345.39              | 48.89            | 97.81         | 89.44                  | 110.99       | 4,332.79     | 520.82                  | 375.32                  | 145.50                    | 3.580             |                    |                    |           |
| 8,100.00                                                                                  | 4,277.84              | 4,349.78                        | 4,348.84              | 49.97            | 97.88         | 89.83                  | 110.99       | 4,332.79     | 502.65                  | 354.84                  | 147.81                    | 3.401             |                    |                    |           |
| 8,143.13                                                                                  | 4,279.33              | 4,351.27                        | 4,350.33              | 50.43            | 97.91         | 90.00                  | 110.99       | 4,332.79     | 500.79                  | 352.49                  | 148.30                    | 3.377             | CC, ES, SF         |                    |           |
| 8,200.00                                                                                  | 4,281.29              | 4,353.23                        | 4,352.29              | 51.04            | 97.96         | 90.22                  | 110.99       | 4,332.79     | 504.01                  | 355.56                  | 148.45                    | 3.395             |                    |                    |           |
| 8,300.00                                                                                  | 4,284.74              | 4,356.68                        | 4,355.74              | 52.12            | 98.03         | 90.62                  | 110.99       | 4,332.79     | 524.76                  | 377.37                  | 147.39                    | 3.560             |                    |                    |           |
| 8,400.00                                                                                  | 4,288.18              | 4,360.12                        | 4,359.18              | 53.19            | 98.11         | 91.01                  | 110.99       | 4,332.79     | 562.76                  | 417.65                  | 145.11                    | 3.878             |                    |                    |           |
| 8,500.00                                                                                  | 4,291.63              | 4,363.57                        | 4,362.63              | 54.27            | 98.18         | 91.41                  | 110.99       | 4,332.79     | 614.82                  | 472.57                  | 142.24                    | 4.322             |                    |                    |           |
| 8,600.00                                                                                  | 4,295.08              | 4,367.02                        | 4,366.08              | 55.36            | 98.26         | 91.80                  | 110.99       | 4,332.79     | 677.70                  | 538.40                  | 139.30                    | 4.865             |                    |                    |           |
| 8,700.00                                                                                  | 4,298.53              | 4,370.47                        | 4,369.53              | 56.44            | 98.33         | 92.19                  | 110.99       | 4,332.79     | 748.68                  | 612.12                  | 136.56                    | 5.482             |                    |                    |           |
| 8,800.00                                                                                  | 4,301.97              | 4,373.91                        | 4,372.97              | 57.53            | 98.40         | 92.59                  | 110.99       | 4,332.79     | 825.69                  | 691.54                  | 134.14                    | 6.155             |                    |                    |           |
| 8,900.00                                                                                  | 4,305.42              | 4,377.36                        | 4,376.42              | 58.61            | 98.48         | 92.98                  | 110.99       | 4,332.79     | 907.17                  | 775.11                  | 132.06                    | 6.869             |                    |                    |           |
| 9,000.00                                                                                  | 4,308.87              | 4,380.81                        | 4,379.87              | 59.70            | 98.55         | 93.37                  | 110.99       | 4,332.79     | 992.04                  | 861.74                  | 130.30                    | 7.613             |                    |                    |           |
| 9,100.00                                                                                  | 4,312.32              | 4,384.26                        | 4,383.32              | 60.79            | 98.63         | 93.77                  | 110.99       | 4,332.79     | 1,079.49                | 950.68                  | 128.81                    | 8.380             |                    |                    |           |
| 9,200.00                                                                                  | 4,315.76              | 4,387.70                        | 4,386.76              | 61.88            | 98.70         | 94.16                  | 110.99       | 4,332.79     | 1,168.95                | 1,041.38                | 127.56                    | 9.164             |                    |                    |           |
| 9,300.00                                                                                  | 4,319.21              | 4,391.15                        | 4,390.21              | 62.97            | 98.78         | 94.55                  | 110.99       | 4,332.79     | 1,259.98                | 1,133.47                | 126.51                    | 9.960             |                    |                    |           |
| 9,400.00                                                                                  | 4,322.66              | 4,394.60                        | 4,393.66              | 64.07            | 98.85         | 94.94                  | 110.99       | 4,332.79     | 1,352.27                | 1,226.65                | 125.62                    | 10.765            |                    |                    |           |
| 9,500.00                                                                                  | 4,326.11              | 4,398.05                        | 4,397.11              | 65.16            | 98.93         | 95.33                  | 110.99       | 4,332.79     | 1,445.58                | 1,320.71                | 124.87                    | 11.576            |                    |                    |           |
| 9,600.00                                                                                  | 4,329.55              | 4,401.45                        | 4,400.50              | 66.26            | 99.00         | 95.72                  | 111.42       | 4,332.79     | 1,539.57                | 1,415.35                | 124.23                    | 12.393            |                    |                    |           |
| 9,700.00                                                                                  | 4,333.00              | 4,404.73                        | 4,403.78              | 67.35            | 99.07         | 96.09                  | 111.42       | 4,332.79     | 1,634.41                | 1,510.72                | 123.69                    | 13.214            |                    |                    |           |
| 9,757.94                                                                                  | 4,335.00              | 4,406.63                        | 4,405.68              | 67.99            | 99.11         | 96.31                  | 111.42       | 4,332.79     | 1,689.63                | 1,566.21                | 123.41                    | 13.691            |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 11 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Site Error: |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 250-INC-ONLY                                                              |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Rule Assigned: Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 0.00                                                                                      | 0.00                  | 51.00                 | 51.00                 | 0.00                             | 1.34                          | 79.66                 | 768.82                              | 4,215.28                            | 4,284.82                        |                                        |                           |                   |                    |
| 100.00                                                                                    | 100.00                | 151.00                | 151.00                | 0.29                             | 3.98                          | 79.66                 | 768.82                              | 4,215.28                            | 4,284.82                        | 4,280.56                               | 4.26                      | 1,005.013         |                    |
| 200.00                                                                                    | 200.00                | 251.00                | 251.00                | 0.65                             | 6.61                          | 79.66                 | 768.82                              | 4,215.28                            | 4,284.82                        | 4,277.56                               | 7.26                      | 590.378           |                    |
| 300.00                                                                                    | 300.00                | 354.14                | 354.08                | 1.00                             | 9.45                          | 79.66                 | 769.41                              | 4,215.28                            | 4,284.92                        | 4,274.47                               | 10.46                     | 409.794           |                    |
| 400.00                                                                                    | 399.98                | 451.10                | 450.98                | 1.36                             | 12.15                         | 86.67                 | 768.82                              | 4,215.28                            | 4,284.72                        | 4,271.20                               | 13.52                     | 317.013           |                    |
| 500.00                                                                                    | 499.84                | 559.50                | 559.37                | 1.73                             | 15.23                         | 86.75                 | 769.12                              | 4,215.28                            | 4,284.48                        | 4,267.53                               | 16.95                     | 252.746           |                    |
| 600.00                                                                                    | 599.45                | 650.65                | 650.45                | 2.09                             | 17.65                         | 86.87                 | 768.82                              | 4,215.28                            | 4,283.93                        | 4,264.20                               | 19.73                     | 217.130           |                    |
| 700.00                                                                                    | 698.70                | 751.76                | 751.53                | 2.45                             | 20.28                         | 87.04                 | 770.04                              | 4,215.28                            | 4,283.49                        | 4,260.78                               | 22.71                     | 188.599           |                    |
| 800.00                                                                                    | 797.47                | 859.48                | 859.23                | 2.82                             | 23.07                         | 87.29                 | 769.11                              | 4,215.28                            | 4,282.56                        | 4,256.69                               | 25.87                     | 165.553           |                    |
| 900.00                                                                                    | 896.02                | 947.34                | 947.02                | 3.17                             | 25.02                         | 87.49                 | 768.82                              | 4,215.28                            | 4,281.71                        | 4,253.53                               | 28.18                     | 151.945           |                    |
| 1,000.00                                                                                  | 994.57                | 1,050.22              | 1,049.89              | 3.53                             | 27.20                         | 87.72                 | 769.21                              | 4,215.28                            | 4,281.05                        | 4,250.33                               | 30.72                     | 139.350           |                    |
| 1,100.00                                                                                  | 1,093.12              | 1,144.48              | 1,144.12              | 3.89                             | 29.09                         | 87.94                 | 768.82                              | 4,215.28                            | 4,280.34                        | 4,247.36                               | 32.98                     | 129.792           |                    |
| 1,200.00                                                                                  | 1,191.68              | 1,243.82              | 1,243.46              | 4.26                             | 30.98                         | 88.16                 | 769.30                              | 4,215.28                            | 4,279.83                        | 4,244.59                               | 35.23                     | 121.466           |                    |
| 1,300.00                                                                                  | 1,290.23              | 1,346.31              | 1,345.95              | 4.63                             | 32.93                         | 88.40                 | 768.86                              | 4,215.28                            | 4,279.24                        | 4,241.69                               | 37.55                     | 113.956           |                    |
| 1,400.00                                                                                  | 1,388.78              | 1,440.16              | 1,439.78              | 4.99                             | 34.92                         | 88.61                 | 768.82                              | 4,215.28                            | 4,278.78                        | 4,238.86                               | 39.92                     | 107.191           |                    |
| 1,500.00                                                                                  | 1,487.33              | 1,539.66              | 1,539.28              | 5.36                             | 37.06                         | 88.83                 | 769.25                              | 4,215.28                            | 4,278.46                        | 4,236.04                               | 42.42                     | 100.863           |                    |
| 1,600.00                                                                                  | 1,585.88              | 1,640.64              | 1,640.25              | 5.73                             | 39.22                         | 89.06                 | 768.88                              | 4,215.28                            | 4,278.09                        | 4,233.14                               | 44.95                     | 95.171            |                    |
| 1,700.00                                                                                  | 1,684.43              | 1,735.87              | 1,735.43              | 6.10                             | 41.45                         | 89.28                 | 768.82                              | 4,215.28                            | 4,277.83                        | 4,230.28                               | 47.55                     | 89.959            |                    |
| 1,800.00                                                                                  | 1,782.99              | 1,837.56              | 1,837.11              | 6.47                             | 43.86                         | 89.50                 | 769.44                              | 4,215.28                            | 4,277.73                        | 4,227.40                               | 50.33                     | 84.992            |                    |
| 1,900.00                                                                                  | 1,881.54              | 1,933.04              | 1,932.54              | 6.84                             | 46.20                         | 89.73                 | 768.82                              | 4,215.28                            | 4,277.53                        | 4,224.50                               | 53.04                     | 80.649            |                    |
| 1,960.40                                                                                  | 1,941.06              | 1,992.56              | 1,992.06              | 7.06                             | 47.78                         | 89.86                 | 768.82                              | 4,215.28                            | 4,277.50                        | 4,222.65                               | 54.85                     | 77.989            |                    |
| 2,000.00                                                                                  | 1,980.09              | 2,032.67              | 2,032.17              | 7.21                             | 48.85                         | 89.95                 | 769.37                              | 4,215.28                            | 4,277.55                        | 4,221.49                               | 56.06                     | 76.301            |                    |
| 2,087.03                                                                                  | 2,065.86              | 2,123.13              | 2,122.61              | 7.53                             | 51.26                         | 90.16                 | 768.76                              | 4,215.28                            | 4,277.50                        | 4,218.70                               | 58.79                     | 72.756            |                    |
| 2,100.00                                                                                  | 2,078.64              | 2,130.23              | 2,129.64              | 7.58                             | 51.48                         | 90.18                 | 768.82                              | 4,215.28                            | 4,277.51                        | 4,218.45                               | 59.06                     | 72.430            |                    |
| 2,200.00                                                                                  | 2,177.19              | 2,228.78              | 2,228.19              | 7.95                             | 54.32                         | 90.40                 | 768.82                              | 4,215.28                            | 4,277.59                        | 4,215.32                               | 62.27                     | 68.690            |                    |
| 2,300.00                                                                                  | 2,275.75              | 2,333.34              | 2,332.71              | 8.32                             | 57.34                         | 90.63                 | 769.45                              | 4,215.28                            | 4,277.82                        | 4,212.16                               | 65.67                     | 65.146            |                    |
| 2,400.00                                                                                  | 2,374.30              | 2,426.03              | 2,425.30              | 8.69                             | 59.99                         | 90.85                 | 768.82                              | 4,215.28                            | 4,277.97                        | 4,209.29                               | 68.68                     | 62.290            |                    |
| 2,500.00                                                                                  | 2,472.85              | 2,527.39              | 2,526.64              | 9.06                             | 62.85                         | 91.07                 | 769.51                              | 4,215.28                            | 4,278.33                        | 4,206.42                               | 71.91                     | 59.497            |                    |
| 2,600.00                                                                                  | 2,571.40              | 2,623.25              | 2,622.40              | 9.43                             | 65.45                         | 91.30                 | 768.82                              | 4,215.28                            | 4,278.61                        | 4,203.73                               | 74.89                     | 57.135            |                    |
| 2,700.00                                                                                  | 2,669.95              | 2,721.99              | 2,721.12              | 9.80                             | 67.94                         | 91.51                 | 769.89                              | 4,215.28                            | 4,279.14                        | 4,201.39                               | 77.74                     | 55.043            |                    |
| 2,800.00                                                                                  | 2,768.50              | 2,825.97              | 2,825.08              | 10.17                            | 70.56                         | 91.75                 | 769.13                              | 4,215.28                            | 4,279.56                        | 4,198.83                               | 80.73                     | 53.010            |                    |
| 2,900.00                                                                                  | 2,867.06              | 2,918.99              | 2,918.06              | 10.54                            | 72.51                         | 91.97                 | 768.82                              | 4,215.28                            | 4,280.08                        | 4,197.03                               | 83.05                     | 51.534            |                    |
| 3,000.00                                                                                  | 2,965.61              | 3,019.64              | 3,018.69              | 10.92                            | 74.51                         | 92.19                 | 769.11                              | 4,215.28                            | 4,280.73                        | 4,195.31                               | 85.42                     | 50.114            |                    |
| 3,100.00                                                                                  | 3,064.16              | 3,116.12              | 3,115.16              | 11.29                            | 76.43                         | 92.41                 | 768.82                              | 4,215.28                            | 4,281.40                        | 4,193.69                               | 87.71                     | 48.814            |                    |
| 3,200.00                                                                                  | 3,162.72              | 3,215.13              | 3,214.16              | 11.66                            | 78.40                         | 92.63                 | 769.19                              | 4,215.28                            | 4,281.90                        | 4,191.85                               | 90.05                     | 47.550            |                    |
| 3,300.00                                                                                  | 3,261.19              | 3,315.05              | 3,314.08              | 12.02                            | 80.39                         | 92.85                 | 768.81                              | 4,215.28                            | 4,275.12                        | 4,182.72                               | 92.41                     | 46.264            |                    |
| 3,400.00                                                                                  | 3,358.69              | 3,410.68              | 3,409.69              | 12.38                            | 82.51                         | 93.07                 | 768.82                              | 4,215.28                            | 4,258.16                        | 4,163.27                               | 94.89                     | 44.875            |                    |
| 3,500.00                                                                                  | 3,454.14              | 3,507.43              | 3,506.43              | 12.72                            | 84.66                         | 93.29                 | 769.26                              | 4,215.28                            | 4,231.17                        | 4,133.79                               | 97.38                     | 43.451            |                    |
| 3,600.00                                                                                  | 3,546.50              | 3,598.54              | 3,597.50              | 13.04                            | 86.76                         | 93.51                 | 768.82                              | 4,215.28                            | 4,194.35                        | 4,094.55                               | 99.80                     | 42.026            |                    |
| 3,700.00                                                                                  | 3,634.76              | 3,686.80              | 3,685.76              | 13.35                            | 88.98                         | 93.73                 | 768.82                              | 4,215.28                            | 4,148.19                        | 4,045.86                               | 102.32                    | 40.540            |                    |
| 3,800.00                                                                                  | 3,717.94              | 3,771.48              | 3,770.43              | 13.64                            | 91.12                         | 93.95                 | 769.29                              | 4,215.28                            | 4,093.16                        | 3,988.44                               | 104.72                    | 39.085            |                    |
| 3,900.00                                                                                  | 3,795.15              | 3,847.27              | 3,846.15              | 13.94                            | 93.08                         | 94.17                 | 768.82                              | 4,215.28                            | 4,029.79                        | 3,922.86                               | 106.93                    | 37.686            |                    |
| 4,000.00                                                                                  | 3,865.52              | 3,917.65              | 3,916.52              | 14.28                            | 95.06                         | 94.39                 | 768.82                              | 4,215.28                            | 3,958.84                        | 3,849.72                               | 109.12                    | 36.280            |                    |
| 4,100.00                                                                                  | 3,928.30              | 3,980.43              | 3,979.30              | 14.67                            | 96.83                         | 94.61                 | 768.82                              | 4,215.28                            | 3,881.06                        | 3,770.00                               | 111.06                    | 34.946            |                    |
| 4,200.00                                                                                  | 3,982.79              | 4,034.92              | 4,033.79              | 15.11                            | 98.37                         | 94.83                 | 768.82                              | 4,215.28                            | 3,797.30                        | 3,684.57                               | 112.73                    | 33.684            |                    |
| 4,300.00                                                                                  | 4,032.79              | 4,084.92              | 4,083.79              | 15.59                            | 99.77                         | 95.05                 | 768.82                              | 4,215.28                            | 3,710.78                        | 3,596.53                               | 114.25                    | 32.480            |                    |
| 4,400.00                                                                                  | 4,082.79              | 4,135.30              | 4,134.14              | 16.11                            | 101.19                        | 95.27                 | 770.92                              | 4,215.28                            | 3,624.38                        | 3,508.61                               | 115.78                    | 31.305            |                    |
| 4,500.00                                                                                  | 4,125.25              | 4,178.29              | 4,177.12              | 16.67                            | 102.40                        | 95.49                 | 770.79                              | 4,215.28                            | 3,534.07                        | 3,416.97                               | 117.09                    | 30.182            |                    |
| 4,600.00                                                                                  | 4,151.36              | 4,204.73              | 4,203.56              | 17.25                            | 103.15                        | 95.71                 | 770.67                              | 4,215.28                            | 3,437.76                        | 3,319.86                               | 117.90                    | 29.159            |                    |
| 4,700.00                                                                                  | 4,160.63              | 4,214.11              | 4,212.93              | 17.84                            | 103.41                        | 95.93                 | 770.61                              | 4,215.28                            | 3,338.41                        | 3,220.22                               | 118.18                    | 28.247            |                    |
| 4,800.00                                                                                  | 4,164.07              | 4,217.59              | 4,216.41              | 18.45                            | 103.51                        | 96.15                 | 770.59                              | 4,215.28                            | 3,238.59                        | 3,120.30                               | 118.29                    | 27.378            |                    |
| 4,900.00                                                                                  | 4,167.52              | 4,221.07              | 4,219.89              | 19.11                            | 103.61                        | 96.37                 | 770.57                              | 4,215.28                            | 3,138.77                        | 3,020.37                               | 118.40                    | 26.511            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 11 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |             |                         |                         |                           |                           | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|-------------|-------------------------|-------------------------|---------------------------|---------------------------|--------------------|-----------|
| Survey Program: 250-INC-ONLY                                                              |                       |                       |                       |                                  |                               |                       |                        |             |                         |                         |                           |                           | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |             | Rule Assigned: Distance |                         | Minimum Separation (usft) | Separation Factor         | Warning            |           |
|                                                                                           |                       |                       |                       |                                  |                               |                       | +N-S (usft)            | +E-W (usft) | Between Centres (usft)  | Between Ellipses (usft) |                           |                           |                    |           |
| 5,000.00                                                                                  | 4,170.97              | 4,224.55              | 4,223.37              | 19.81                            | 103.71                        | -57.27                | 770.55                 | 4,215.28    | 3,038.96                | 2,920.46                | 118.50                    | 25.644                    |                    |           |
| 5,100.00                                                                                  | 4,174.42              | 4,228.03              | 4,226.85              | 20.55                            | 103.80                        | -58.16                | 770.52                 | 4,215.28    | 2,939.17                | 2,820.55                | 118.61                    | 24.780                    |                    |           |
| 5,200.00                                                                                  | 4,177.86              | 4,231.50              | 4,230.33              | 21.33                            | 103.90                        | -59.06                | 770.50                 | 4,215.28    | 2,839.38                | 2,720.66                | 118.72                    | 23.916                    |                    |           |
| 5,300.00                                                                                  | 4,181.31              | 4,234.98              | 4,233.80              | 22.13                            | 104.00                        | -59.97                | 770.48                 | 4,215.28    | 2,739.60                | 2,620.77                | 118.83                    | 23.054                    |                    |           |
| 5,400.00                                                                                  | 4,184.76              | 4,238.46              | 4,237.28              | 22.96                            | 104.10                        | -60.91                | 770.45                 | 4,215.28    | 2,639.84                | 2,520.89                | 118.95                    | 22.194                    |                    |           |
| 5,500.00                                                                                  | 4,188.21              | 4,241.94              | 4,240.76              | 23.82                            | 104.20                        | -61.86                | 770.43                 | 4,215.28    | 2,540.09                | 2,421.03                | 119.06                    | 21.335                    |                    |           |
| 5,600.00                                                                                  | 4,191.65              | 4,245.41              | 4,244.23              | 24.69                            | 104.29                        | -62.83                | 770.40                 | 4,215.28    | 2,440.35                | 2,321.18                | 119.17                    | 20.477                    |                    |           |
| 5,700.00                                                                                  | 4,195.10              | 4,248.89              | 4,247.71              | 25.59                            | 104.39                        | -63.81                | 770.37                 | 4,215.28    | 2,340.64                | 2,221.34                | 119.29                    | 19.621                    |                    |           |
| 5,800.00                                                                                  | 4,198.55              | 4,252.36              | 4,251.18              | 26.50                            | 104.49                        | -64.82                | 770.34                 | 4,215.28    | 2,240.94                | 2,121.53                | 119.41                    | 18.767                    |                    |           |
| 5,900.00                                                                                  | 4,202.00              | 4,255.84              | 4,254.65              | 27.43                            | 104.59                        | -65.84                | 770.32                 | 4,215.28    | 2,141.26                | 2,021.73                | 119.53                    | 17.914                    |                    |           |
| 6,000.00                                                                                  | 4,205.44              | 4,259.31              | 4,258.13              | 28.37                            | 104.69                        | -66.87                | 770.29                 | 4,215.28    | 2,041.61                | 1,921.96                | 119.65                    | 17.063                    |                    |           |
| 6,100.00                                                                                  | 4,208.89              | 4,262.78              | 4,261.60              | 29.33                            | 104.78                        | -67.93                | 770.26                 | 4,215.28    | 1,942.00                | 1,822.21                | 119.78                    | 16.213                    |                    |           |
| 6,200.00                                                                                  | 4,212.34              | 4,266.25              | 4,265.07              | 30.30                            | 104.88                        | -69.00                | 770.23                 | 4,215.28    | 1,842.41                | 1,722.50                | 119.91                    | 15.365                    |                    |           |
| 6,300.00                                                                                  | 4,215.79              | 4,269.73              | 4,268.54              | 31.28                            | 104.98                        | -70.08                | 770.19                 | 4,215.28    | 1,742.87                | 1,622.82                | 120.05                    | 14.518                    |                    |           |
| 6,400.00                                                                                  | 4,219.23              | 4,273.20              | 4,272.01              | 32.26                            | 105.08                        | -71.18                | 770.16                 | 4,215.28    | 1,643.37                | 1,523.18                | 120.19                    | 13.673                    |                    |           |
| 6,500.00                                                                                  | 4,222.68              | 4,276.67              | 4,275.48              | 33.26                            | 105.17                        | -72.30                | 770.13                 | 4,215.28    | 1,543.94                | 1,423.60                | 120.34                    | 12.830                    |                    |           |
| 6,600.00                                                                                  | 4,226.13              | 4,280.14              | 4,278.95              | 34.27                            | 105.27                        | -73.42                | 770.10                 | 4,215.28    | 1,444.57                | 1,324.07                | 120.50                    | 11.988                    |                    |           |
| 6,700.00                                                                                  | 4,229.58              | 4,283.61              | 4,282.42              | 35.28                            | 105.37                        | -74.57                | 770.06                 | 4,215.28    | 1,345.29                | 1,224.61                | 120.67                    | 11.148                    |                    |           |
| 6,800.00                                                                                  | 4,233.02              | 4,287.07              | 4,285.88              | 36.30                            | 105.47                        | -75.72                | 770.03                 | 4,215.28    | 1,246.11                | 1,125.24                | 120.86                    | 10.310                    |                    |           |
| 6,900.00                                                                                  | 4,236.47              | 4,290.54              | 4,289.35              | 37.32                            | 105.56                        | -76.89                | 769.99                 | 4,215.28    | 1,147.06                | 1,025.98                | 121.08                    | 9.473                     |                    |           |
| 7,000.00                                                                                  | 4,239.92              | 4,294.01              | 4,292.82              | 38.35                            | 105.66                        | -78.07                | 769.96                 | 4,215.28    | 1,048.19                | 926.85                  | 121.34                    | 8.638                     |                    |           |
| 7,100.00                                                                                  | 4,243.37              | 4,297.48              | 4,296.28              | 39.39                            | 105.76                        | -79.26                | 769.92                 | 4,215.28    | 949.53                  | 827.88                  | 121.65                    | 7.805                     |                    |           |
| 7,200.00                                                                                  | 4,246.81              | 4,300.94              | 4,299.75              | 40.43                            | 105.86                        | -80.46                | 769.89                 | 4,215.28    | 851.18                  | 729.13                  | 122.05                    | 6.974                     |                    |           |
| 7,300.00                                                                                  | 4,250.26              | 4,304.41              | 4,303.21              | 41.48                            | 105.96                        | -81.67                | 769.85                 | 4,215.28    | 753.25                  | 630.66                  | 122.59                    | 6.145                     |                    |           |
| 7,400.00                                                                                  | 4,253.71              | 4,307.87              | 4,306.68              | 42.53                            | 106.05                        | -82.88                | 769.81                 | 4,215.28    | 655.92                  | 532.59                  | 123.33                    | 5.318                     |                    |           |
| 7,500.00                                                                                  | 4,257.16              | 4,311.34              | 4,310.14              | 43.58                            | 106.15                        | -84.11                | 769.77                 | 4,215.28    | 559.51                  | 435.07                  | 124.45                    | 4.496                     |                    |           |
| 7,600.00                                                                                  | 4,260.60              | 4,314.80              | 4,313.60              | 44.64                            | 106.25                        | -85.33                | 769.73                 | 4,215.28    | 464.60                  | 338.41                  | 126.20                    | 3.682                     |                    |           |
| 7,700.00                                                                                  | 4,264.05              | 4,318.26              | 4,317.06              | 45.70                            | 106.35                        | -86.57                | 769.69                 | 4,215.28    | 372.33                  | 243.21                  | 129.12                    | 2.884                     |                    |           |
| 7,800.00                                                                                  | 4,267.50              | 4,321.72              | 4,320.53              | 46.76                            | 106.44                        | -87.80                | 769.65                 | 4,215.28    | 285.28                  | 151.05                  | 134.23                    | 2.125                     |                    |           |
| 7,900.00                                                                                  | 4,270.95              | 4,325.19              | 4,323.99              | 47.83                            | 106.54                        | -89.04                | 769.61                 | 4,215.28    | 210.04                  | 66.97                   | 143.07                    | 1.468 Level 3             |                    |           |
| 8,000.00                                                                                  | 4,274.39              | 4,328.65              | 4,327.45              | 48.89                            | 106.64                        | -90.28                | 769.57                 | 4,215.28    | 163.77                  | 9.84                    | 153.94                    | 1.064 Level 2             |                    |           |
| 8,036.57                                                                                  | 4,275.66              | 4,329.91              | 4,328.71              | 49.29                            | 106.67                        | -90.74                | 769.55                 | 4,215.28    | 159.64                  | 3.76                    | 155.88                    | 1.024 Level 2, CC, ES, SF |                    |           |
| 8,100.00                                                                                  | 4,277.84              | 4,332.11              | 4,330.91              | 49.97                            | 106.74                        | -91.53                | 769.52                 | 4,215.28    | 171.76                  | 1.60                    | 154.16                    | 1.114 Level 2             |                    |           |
| 8,200.00                                                                                  | 4,281.29              | 4,335.57              | 4,334.37              | 51.04                            | 106.83                        | -92.77                | 769.48                 | 4,215.28    | 228.39                  | 82.87                   | 145.52                    | 1.570                     |                    |           |
| 8,300.00                                                                                  | 4,284.74              | 4,339.03              | 4,337.82              | 52.12                            | 106.93                        | -94.00                | 769.44                 | 4,215.28    | 307.89                  | 169.28                  | 138.61                    | 2.221                     |                    |           |
| 8,400.00                                                                                  | 4,288.18              | 4,342.48              | 4,341.28              | 53.19                            | 107.03                        | -95.24                | 769.39                 | 4,215.28    | 396.75                  | 262.37                  | 134.38                    | 2.952                     |                    |           |
| 8,500.00                                                                                  | 4,291.63              | 4,345.94              | 4,344.74              | 54.27                            | 107.13                        | -96.47                | 769.35                 | 4,215.28    | 489.89                  | 358.10                  | 131.79                    | 3.717                     |                    |           |
| 8,600.00                                                                                  | 4,295.08              | 4,349.40              | 4,348.19              | 55.36                            | 107.22                        | -97.69                | 769.30                 | 4,215.28    | 585.29                  | 455.14                  | 130.15                    | 4.497                     |                    |           |
| 8,700.00                                                                                  | 4,298.53              | 4,352.86              | 4,351.65              | 56.44                            | 107.32                        | -98.91                | 769.25                 | 4,215.28    | 681.98                  | 552.92                  | 129.06                    | 5.284                     |                    |           |
| 8,800.00                                                                                  | 4,301.97              | 4,356.31              | 4,355.11              | 57.53                            | 107.42                        | -100.12               | 769.21                 | 4,215.28    | 779.50                  | 651.17                  | 128.33                    | 6.074                     |                    |           |
| 8,900.00                                                                                  | 4,305.42              | 4,359.77              | 4,358.56              | 58.61                            | 107.51                        | -101.32               | 769.16                 | 4,215.28    | 877.56                  | 749.74                  | 127.82                    | 6.865                     |                    |           |
| 9,000.00                                                                                  | 4,308.87              | 4,363.22              | 4,362.01              | 59.70                            | 107.61                        | -102.52               | 769.11                 | 4,215.28    | 976.00                  | 848.53                  | 127.47                    | 7.656                     |                    |           |
| 9,100.00                                                                                  | 4,312.32              | 4,366.68              | 4,365.47              | 60.79                            | 107.71                        | -103.70               | 769.06                 | 4,215.28    | 1,074.72                | 947.49                  | 127.23                    | 8.447                     |                    |           |
| 9,200.00                                                                                  | 4,315.76              | 4,370.13              | 4,368.92              | 61.88                            | 107.81                        | -104.87               | 769.01                 | 4,215.28    | 1,173.65                | 1,046.57                | 127.07                    | 9.236                     |                    |           |
| 9,300.00                                                                                  | 4,319.21              | 4,373.58              | 4,372.37              | 62.97                            | 107.90                        | -106.03               | 768.96                 | 4,215.28    | 1,272.73                | 1,145.76                | 126.97                    | 10.024                    |                    |           |
| 9,400.00                                                                                  | 4,322.66              | 4,377.04              | 4,375.82              | 64.07                            | 108.00                        | -107.18               | 768.91                 | 4,215.28    | 1,371.94                | 1,245.02                | 126.92                    | 10.810                    |                    |           |
| 9,500.00                                                                                  | 4,326.11              | 4,380.49              | 4,379.27              | 65.16                            | 108.10                        | -108.31               | 768.86                 | 4,215.28    | 1,471.25                | 1,344.35                | 126.90                    | 11.594                    |                    |           |
| 9,600.00                                                                                  | 4,329.55              | 4,383.94              | 4,382.72              | 66.26                            | 108.19                        | -109.43               | 768.80                 | 4,215.28    | 1,570.64                | 1,443.73                | 126.91                    | 12.376                    |                    |           |
| 9,700.00                                                                                  | 4,333.00              | 4,387.42              | 4,386.20              | 67.35                            | 108.23                        | -109.83               | 768.82                 | 4,215.28    | 1,670.09                | 1,543.22                | 126.88                    | 13.163                    |                    |           |
| 9,757.94                                                                                  | 4,335.00              | 4,387.41              | 4,386.00              | 67.99                            | 108.29                        | -110.47               | 768.82                 | 4,215.28    | 1,727.74                | 1,600.84                | 126.90                    | 13.615                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 2 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 200-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Rule Assigned: Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 3,800.00                                                                                 | 3,717.94              | 3,783.94              | 3,783.49              | 13.64                            | 76.35                         | 25.38                 | -537.59                             | 4,985.18                            | 4,970.97                        | 4,880.99                               | 89.98                     | 55.243            |                    |           |
| 3,900.00                                                                                 | 3,795.15              | 3,858.92              | 3,858.47              | 13.94                            | 77.68                         | 24.51                 | -537.70                             | 4,985.18                            | 4,911.22                        | 4,819.63                               | 91.59                     | 53.624            |                    |           |
| 4,000.00                                                                                 | 3,865.52              | 3,931.98              | 3,931.52              | 14.28                            | 79.01                         | 24.50                 | -537.76                             | 4,985.18                            | 4,843.62                        | 4,750.46                               | 93.16                     | 51.993            |                    |           |
| 4,100.00                                                                                 | 3,928.30              | 3,994.76              | 3,994.30              | 14.67                            | 80.16                         | 25.29                 | -537.76                             | 4,985.18                            | 4,768.91                        | 4,674.39                               | 94.53                     | 50.450            |                    |           |
| 4,200.00                                                                                 | 3,982.79              | 4,047.56              | 4,047.10              | 15.11                            | 81.13                         | 27.01                 | -537.50                             | 4,985.18                            | 4,687.88                        | 4,592.19                               | 95.69                     | 48.992            |                    |           |
| 4,300.00                                                                                 | 4,032.79              | 4,095.64              | 4,095.18              | 15.59                            | 82.02                         | 27.48                 | -537.62                             | 4,985.18                            | 4,604.05                        | 4,507.31                               | 96.74                     | 47.593            |                    |           |
| 4,400.00                                                                                 | 4,082.79              | 4,149.26              | 4,148.79              | 16.11                            | 83.00                         | 27.98                 | -537.76                             | 4,985.18                            | 4,520.33                        | 4,422.43                               | 97.90                     | 46.175            |                    |           |
| 4,500.00                                                                                 | 4,125.25              | 4,191.72              | 4,191.25              | 16.67                            | 83.78                         | 38.20                 | -537.76                             | 4,985.18                            | 4,433.02                        | 4,334.16                               | 98.85                     | 44.844            |                    |           |
| 4,600.00                                                                                 | 4,151.36              | 4,217.83              | 4,217.36              | 17.25                            | 84.26                         | 57.56                 | -537.76                             | 4,985.18                            | 4,340.05                        | 4,240.56                               | 99.49                     | 43.625            |                    |           |
| 4,700.00                                                                                 | 4,160.63              | 4,227.10              | 4,226.63              | 17.84                            | 84.43                         | 83.08                 | -537.76                             | 4,985.18                            | 4,244.29                        | 4,144.51                               | 99.78                     | 42.535            |                    |           |
| 4,800.00                                                                                 | 4,164.07              | 4,230.54              | 4,230.07              | 18.45                            | 84.50                         | 83.25                 | -537.76                             | 4,985.18                            | 4,148.25                        | 4,048.28                               | 99.97                     | 41.494            |                    |           |
| 4,900.00                                                                                 | 4,167.52              | 4,233.99              | 4,233.52              | 19.11                            | 84.56                         | 83.42                 | -537.76                             | 4,985.18                            | 4,052.39                        | 3,952.22                               | 100.18                    | 40.452            |                    |           |
| 5,000.00                                                                                 | 4,170.97              | 4,237.44              | 4,236.97              | 19.81                            | 84.62                         | 83.59                 | -537.76                             | 4,985.18                            | 3,956.74                        | 3,856.34                               | 100.40                    | 39.411            |                    |           |
| 5,100.00                                                                                 | 4,174.42              | 4,240.89              | 4,240.42              | 20.55                            | 84.69                         | 83.76                 | -537.76                             | 4,985.18                            | 3,861.30                        | 3,760.67                               | 100.63                    | 38.369            |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 4,244.33              | 4,243.86              | 21.33                            | 84.75                         | 83.92                 | -537.76                             | 4,985.18                            | 3,766.10                        | 3,665.21                               | 100.89                    | 37.328            |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 4,247.78              | 4,247.31              | 22.13                            | 84.81                         | 84.09                 | -537.76                             | 4,985.18                            | 3,671.15                        | 3,569.99                               | 101.17                    | 36.288            |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 4,251.23              | 4,250.76              | 22.96                            | 84.88                         | 84.26                 | -537.76                             | 4,985.18                            | 3,576.47                        | 3,475.01                               | 101.47                    | 35.248            |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 4,254.68              | 4,254.21              | 23.82                            | 84.94                         | 84.43                 | -537.76                             | 4,985.18                            | 3,482.09                        | 3,380.30                               | 101.79                    | 34.209            |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 4,258.12              | 4,257.65              | 24.69                            | 85.00                         | 84.60                 | -537.76                             | 4,985.18                            | 3,388.02                        | 3,285.89                               | 102.14                    | 33.170            |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 4,261.57              | 4,261.10              | 25.59                            | 85.07                         | 84.77                 | -537.76                             | 4,985.18                            | 3,294.31                        | 3,191.79                               | 102.52                    | 32.134            |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 4,265.02              | 4,264.55              | 26.50                            | 85.13                         | 84.93                 | -537.76                             | 4,985.18                            | 3,200.96                        | 3,098.03                               | 102.93                    | 31.098            |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 4,268.47              | 4,268.00              | 27.43                            | 85.19                         | 85.10                 | -537.76                             | 4,985.18                            | 3,108.03                        | 3,004.65                               | 103.38                    | 30.065            |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 4,271.91              | 4,271.44              | 28.37                            | 85.26                         | 85.27                 | -537.76                             | 4,985.18                            | 3,015.55                        | 2,911.69                               | 103.86                    | 29.035            |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 4,275.30              | 4,274.83              | 29.33                            | 85.32                         | 85.44                 | -537.43                             | 4,985.18                            | 2,923.43                        | 2,819.04                               | 104.38                    | 28.007            |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 4,278.62              | 4,278.15              | 30.30                            | 85.38                         | 85.60                 | -537.43                             | 4,985.18                            | 2,831.97                        | 2,727.02                               | 104.95                    | 26.984            |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 4,281.95              | 4,281.48              | 31.28                            | 85.44                         | 85.76                 | -537.43                             | 4,985.18                            | 2,741.10                        | 2,635.53                               | 105.57                    | 25.966            |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 4,285.28              | 4,284.80              | 32.26                            | 85.50                         | 85.93                 | -537.43                             | 4,985.18                            | 2,650.89                        | 2,544.65                               | 106.24                    | 24.953            |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 4,288.60              | 4,288.13              | 33.26                            | 85.57                         | 86.09                 | -537.43                             | 4,985.18                            | 2,561.40                        | 2,454.43                               | 106.97                    | 23.946            |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 4,291.93              | 4,291.46              | 34.27                            | 85.63                         | 86.25                 | -537.44                             | 4,985.18                            | 2,472.71                        | 2,364.95                               | 107.76                    | 22.946            |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 4,295.25              | 4,294.78              | 35.28                            | 85.69                         | 86.42                 | -537.44                             | 4,985.18                            | 2,384.91                        | 2,276.28                               | 108.62                    | 21.955            |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 4,298.58              | 4,298.11              | 36.30                            | 85.75                         | 86.58                 | -537.44                             | 4,985.18                            | 2,298.10                        | 2,188.53                               | 109.56                    | 20.975            |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 4,301.90              | 4,301.43              | 37.32                            | 85.81                         | 86.74                 | -537.44                             | 4,985.18                            | 2,212.40                        | 2,101.81                               | 110.59                    | 20.006            |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 4,305.23              | 4,304.75              | 38.35                            | 85.87                         | 86.91                 | -537.45                             | 4,985.18                            | 2,127.94                        | 2,016.25                               | 111.70                    | 19.051            |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 4,308.55              | 4,308.08              | 39.39                            | 85.93                         | 87.07                 | -537.45                             | 4,985.18                            | 2,044.89                        | 1,931.98                               | 112.91                    | 18.111            |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 4,311.87              | 4,311.40              | 40.43                            | 85.99                         | 87.23                 | -537.45                             | 4,985.18                            | 1,963.40                        | 1,849.18                               | 114.22                    | 17.190            |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 4,315.20              | 4,314.73              | 41.48                            | 86.05                         | 87.40                 | -537.46                             | 4,985.18                            | 1,883.70                        | 1,768.06                               | 115.64                    | 16.289            |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 4,318.52              | 4,318.05              | 42.53                            | 86.12                         | 87.56                 | -537.46                             | 4,985.18                            | 1,806.00                        | 1,688.83                               | 117.18                    | 15.412            |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 4,321.84              | 4,321.37              | 43.58                            | 86.18                         | 87.73                 | -537.47                             | 4,985.18                            | 1,730.60                        | 1,611.76                               | 118.84                    | 14.563            |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 4,325.16              | 4,324.69              | 44.64                            | 86.24                         | 87.89                 | -537.47                             | 4,985.18                            | 1,657.79                        | 1,537.17                               | 120.62                    | 13.743            |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 4,328.49              | 4,328.01              | 45.70                            | 86.30                         | 88.05                 | -537.48                             | 4,985.18                            | 1,587.94                        | 1,465.40                               | 122.53                    | 12.959            |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 4,331.81              | 4,331.34              | 46.76                            | 86.36                         | 88.22                 | -537.49                             | 4,985.18                            | 1,521.44                        | 1,396.88                               | 124.56                    | 12.214            |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 4,335.13              | 4,334.66              | 47.83                            | 86.42                         | 88.38                 | -537.49                             | 4,985.18                            | 1,458.77                        | 1,332.07                               | 126.70                    | 11.513            |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 4,338.45              | 4,337.98              | 48.89                            | 86.48                         | 88.55                 | -537.50                             | 4,985.18                            | 1,400.44                        | 1,271.50                               | 128.94                    | 10.861            |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 4,341.77              | 4,341.30              | 49.97                            | 86.54                         | 88.71                 | -537.51                             | 4,985.18                            | 1,347.00                        | 1,215.77                               | 131.23                    | 10.264            |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 4,345.09              | 4,344.62              | 51.04                            | 86.60                         | 88.87                 | -537.51                             | 4,985.18                            | 1,299.06                        | 1,165.52                               | 133.55                    | 9.727             |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 4,348.41              | 4,347.94              | 52.12                            | 86.67                         | 89.04                 | -537.52                             | 4,985.18                            | 1,257.26                        | 1,121.43                               | 135.83                    | 9.256             |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 4,351.73              | 4,351.26              | 53.19                            | 86.73                         | 89.20                 | -537.53                             | 4,985.18                            | 1,222.22                        | 1,084.19                               | 138.02                    | 8.855             |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 4,355.05              | 4,354.58              | 54.27                            | 86.79                         | 89.36                 | -537.54                             | 4,985.18                            | 1,194.53                        | 1,054.48                               | 140.05                    | 8.529             |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 4,358.37              | 4,357.89              | 55.36                            | 86.85                         | 89.53                 | -537.55                             | 4,985.18                            | 1,174.72                        | 1,032.89                               | 141.83                    | 8.282             |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 4,361.69              | 4,361.21              | 56.44                            | 86.91                         | 89.69                 | -537.56                             | 4,985.18                            | 1,163.19                        | 1,019.88                               | 143.31                    | 8.117             |                    |           |
| 8,784.93                                                                                 | 4,301.46              | 4,364.50              | 4,364.03              | 57.36                            | 86.96                         | 89.83                 | -537.56                             | 4,985.18                            | 1,160.09                        | 1,015.81                               | 144.28                    | 8.040 CC          |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 4,365.00              | 4,364.53              | 57.53                            | 86.97                         | 89.86                 | -537.57                             | 4,985.18                            | 1,160.19                        | 1,015.76                               | 144.43                    | 8.033 ES          |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

|                                                                                                 |                              |                              |                              |                               |                      |                              |                       |                    |                               |                                |                                  |                          |                           |           |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------------|------------------------------|-----------------------|--------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|---------------------------|-----------|
| <b>Offset Design:</b> SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 2 - Wellbore #1 - Wellbore #1 |                              |                              |                              |                               |                      |                              |                       |                    |                               |                                |                                  |                          | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 200-INC-ONLY                                                             |                              |                              |                              |                               |                      |                              |                       |                    |                               |                                |                                  |                          | <b>Offset Well Error:</b> | 0.00 usft |
| <b>Reference</b>                                                                                | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Offset Wellbore Centre</b> |                      |                              | <b>Rule Assigned:</b> |                    | <b>Warning</b>                |                                |                                  |                          |                           |           |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b>       | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N-S (usft)</b>    | <b>+E-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                           |           |
| 8,900.00                                                                                        | 4,305.42                     | 4,368.32                     | 4,367.85                     | 58.61                         | 87.03                | 90.02                        | -537.58               | 4,985.18           | 1,165.78                      | 1,020.63                       | 145.15                           | 8.032 SF                 |                           |           |
| 9,000.00                                                                                        | 4,308.87                     | 4,371.64                     | 4,371.17                     | 59.70                         | 87.09                | 90.18                        | -537.59               | 4,985.18           | 1,179.84                      | 1,034.36                       | 145.48                           | 8.110                    |                           |           |
| 9,100.00                                                                                        | 4,312.32                     | 4,374.96                     | 4,374.48                     | 60.79                         | 87.15                | 90.35                        | -537.60               | 4,985.18           | 1,202.07                      | 1,056.63                       | 145.44                           | 8.265                    |                           |           |
| 9,200.00                                                                                        | 4,315.76                     | 4,378.27                     | 4,377.80                     | 61.88                         | 87.21                | 90.51                        | -537.61               | 4,985.18           | 1,232.03                      | 1,086.97                       | 145.06                           | 8.493                    |                           |           |
| 9,300.00                                                                                        | 4,319.21                     | 4,381.59                     | 4,381.12                     | 62.97                         | 87.28                | 90.67                        | -537.62               | 4,985.18           | 1,269.18                      | 1,124.77                       | 144.41                           | 8.789                    |                           |           |
| 9,400.00                                                                                        | 4,322.66                     | 4,384.90                     | 4,384.43                     | 64.07                         | 87.34                | 90.84                        | -537.63               | 4,985.18           | 1,312.89                      | 1,169.35                       | 143.54                           | 9.146                    |                           |           |
| 9,500.00                                                                                        | 4,326.11                     | 4,388.22                     | 4,387.75                     | 65.16                         | 87.40                | 91.00                        | -537.64               | 4,985.18           | 1,362.55                      | 1,220.03                       | 142.52                           | 9.560                    |                           |           |
| 9,600.00                                                                                        | 4,329.55                     | 4,391.54                     | 4,391.06                     | 66.26                         | 87.46                | 91.16                        | -537.66               | 4,985.18           | 1,417.53                      | 1,276.14                       | 141.40                           | 10.025                   |                           |           |
| 9,700.00                                                                                        | 4,333.00                     | 4,394.85                     | 4,394.38                     | 67.35                         | 87.52                | 91.33                        | -537.67               | 4,985.18           | 1,477.23                      | 1,337.02                       | 140.21                           | 10.536                   |                           |           |
| 9,757.94                                                                                        | 4,335.00                     | 4,396.77                     | 4,396.30                     | 67.99                         | 87.55                | 91.42                        | -537.68               | 4,985.18           | 1,513.76                      | 1,374.25                       | 139.51                           | 10.850                   |                           |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 3 - Wellbore #1 - Wellbore #1 |                       |                       |                 |              |                        |              |                        |                         |                           |                   |         |           | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------|--------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------|-----------|--------------------|
|                                                                                          |                       |                       |                 |              |                        |              |                        |                         |                           |                   |         |           | 0.00 usft          |
| Survey Program:                                                                          | Reference             | Offset                | Semi Major Axis | Highside     | Offset Wellbore Centre | Distance     | Rule Assigned:         | Offset Well Error:      |                           |                   |         |           |                    |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Reference       | Toolface (°) | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |           |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,938.14              | 3,937.68        | 14.28        | 78.60                  | 32.58        | -1,087.23              | 4,978.23                | 4,988.15                  | 4,895.36          | 92.79   | 53.760    |                    |
| 4,100.00                                                                                 | 3,928.30              | 3,997.78              | 3,997.32        | 14.67        | 79.61                  | 34.19        | -1,087.32              | 4,978.23                | 4,916.26                  | 4,822.24          | 94.03   | 52.286    |                    |
| 4,200.00                                                                                 | 3,982.79              | 4,056.25              | 4,055.79        | 15.11        | 80.61                  | 37.02        | -1,087.37              | 4,978.23                | 4,838.17                  | 4,742.92          | 95.25   | 50.793    |                    |
| 4,300.00                                                                                 | 4,032.79              | 4,106.25              | 4,105.79        | 15.59        | 81.48                  | 37.60        | -1,087.37              | 4,978.23                | 4,757.25                  | 4,660.93          | 96.33   | 49.387    |                    |
| 4,400.00                                                                                 | 4,082.79              | 4,155.60              | 4,155.14        | 16.11        | 82.34                  | 38.14        | -1,087.29              | 4,978.23                | 4,676.51                  | 4,579.11          | 97.40   | 48.015    |                    |
| 4,500.00                                                                                 | 4,125.25              | 4,197.08              | 4,196.63        | 16.67        | 83.06                  | 49.30        | -1,087.32              | 4,978.23                | 4,592.50                  | 4,494.15          | 98.34   | 46.699    |                    |
| 4,600.00                                                                                 | 4,151.36              | 4,222.60              | 4,222.14        | 17.25        | 83.50                  | 66.68        | -1,087.35              | 4,978.23                | 4,503.18                  | 4,404.18          | 99.00   | 45.489    |                    |
| 4,700.00                                                                                 | 4,160.63              | 4,231.66              | 4,231.20        | 17.84        | 83.66                  | 85.23        | -1,087.36              | 4,978.23                | 4,411.33                  | 4,311.99          | 99.35   | 44.404    |                    |
| 4,800.00                                                                                 | 4,164.07              | 4,235.02              | 4,234.56        | 18.45        | 83.72                  | 85.34        | -1,087.37              | 4,978.23                | 4,319.38                  | 4,219.77          | 99.61   | 43.365    |                    |
| 4,900.00                                                                                 | 4,167.52              | 4,240.99              | 4,240.52        | 19.11        | 83.83                  | 85.54        | -1,087.37              | 4,978.23                | 4,227.79                  | 4,127.85          | 99.94   | 42.305    |                    |
| 5,000.00                                                                                 | 4,170.97              | 4,244.43              | 4,243.97        | 19.81        | 83.89                  | 85.66        | -1,087.37              | 4,978.23                | 4,136.58                  | 4,036.33          | 100.25  | 41.263    |                    |
| 5,100.00                                                                                 | 4,174.42              | 4,247.88              | 4,247.42        | 20.55        | 83.95                  | 85.77        | -1,087.37              | 4,978.23                | 4,045.79                  | 3,945.20          | 100.59  | 40.221    |                    |
| 5,200.00                                                                                 | 4,177.86              | 4,251.33              | 4,250.86        | 21.33        | 84.02                  | 85.89        | -1,087.37              | 4,978.23                | 3,955.43                  | 3,854.47          | 100.96  | 39.178    |                    |
| 5,300.00                                                                                 | 4,181.31              | 4,254.78              | 4,254.31        | 22.13        | 84.08                  | 86.00        | -1,087.37              | 4,978.23                | 3,865.55                  | 3,764.19          | 101.36  | 38.137    |                    |
| 5,400.00                                                                                 | 4,184.76              | 4,258.22              | 4,257.76        | 22.96        | 84.14                  | 86.12        | -1,087.37              | 4,978.23                | 3,776.18                  | 3,674.38          | 101.79  | 37.096    |                    |
| 5,500.00                                                                                 | 4,188.21              | 4,261.67              | 4,261.21        | 23.82        | 84.21                  | 86.23        | -1,087.37              | 4,978.23                | 3,687.34                  | 3,585.08          | 102.26  | 36.058    |                    |
| 5,600.00                                                                                 | 4,191.65              | 4,265.12              | 4,264.65        | 24.69        | 84.27                  | 86.35        | -1,087.37              | 4,978.23                | 3,599.09                  | 3,496.33          | 102.77  | 35.021    |                    |
| 5,700.00                                                                                 | 4,195.10              | 4,268.57              | 4,268.10        | 25.59        | 84.33                  | 86.46        | -1,087.37              | 4,978.23                | 3,511.47                  | 3,408.16          | 103.31  | 33.988    |                    |
| 5,800.00                                                                                 | 4,198.55              | 4,272.01              | 4,271.55        | 26.50        | 84.40                  | 86.58        | -1,087.37              | 4,978.23                | 3,424.52                  | 3,320.62          | 103.90  | 32.959    |                    |
| 5,900.00                                                                                 | 4,202.00              | 4,275.46              | 4,275.00        | 27.43        | 84.46                  | 86.69        | -1,087.37              | 4,978.23                | 3,338.30                  | 3,233.77          | 104.54  | 31.935    |                    |
| 6,000.00                                                                                 | 4,205.44              | 4,278.91              | 4,278.44        | 28.37        | 84.53                  | 86.81        | -1,087.37              | 4,978.23                | 3,252.87                  | 3,147.65          | 105.22  | 30.916    |                    |
| 6,100.00                                                                                 | 4,208.89              | 4,282.36              | 4,281.89        | 29.33        | 84.59                  | 86.92        | -1,087.37              | 4,978.23                | 3,168.28                  | 3,062.33          | 105.95  | 29.905    |                    |
| 6,200.00                                                                                 | 4,212.34              | 4,285.80              | 4,285.34        | 30.30        | 84.65                  | 87.04        | -1,087.37              | 4,978.23                | 3,084.61                  | 2,977.88          | 106.73  | 28.902    |                    |
| 6,300.00                                                                                 | 4,215.79              | 4,289.25              | 4,288.79        | 31.28        | 84.72                  | 87.15        | -1,087.37              | 4,978.23                | 3,001.94                  | 2,894.37          | 107.57  | 27.908    |                    |
| 6,400.00                                                                                 | 4,219.23              | 4,292.70              | 4,292.23        | 32.26        | 84.78                  | 87.27        | -1,087.37              | 4,978.23                | 2,920.34                  | 2,811.88          | 108.46  | 26.925    |                    |
| 6,500.00                                                                                 | 4,222.68              | 4,296.15              | 4,295.68        | 33.26        | 84.84                  | 87.38        | -1,087.37              | 4,978.23                | 2,839.92                  | 2,730.51          | 109.42  | 25.955    |                    |
| 6,600.00                                                                                 | 4,226.13              | 4,299.59              | 4,299.13        | 34.27        | 84.91                  | 87.50        | -1,087.37              | 4,978.23                | 2,760.78                  | 2,650.34          | 110.44  | 24.999    |                    |
| 6,700.00                                                                                 | 4,229.58              | 4,303.04              | 4,302.58        | 35.28        | 84.97                  | 87.61        | -1,087.37              | 4,978.23                | 2,683.02                  | 2,571.50          | 111.52  | 24.059    |                    |
| 6,800.00                                                                                 | 4,233.02              | 4,306.49              | 4,306.02        | 36.30        | 85.03                  | 87.73        | -1,087.37              | 4,978.23                | 2,606.78                  | 2,494.11          | 112.67  | 23.136    |                    |
| 6,900.00                                                                                 | 4,236.47              | 4,309.94              | 4,309.47        | 37.32        | 85.10                  | 87.84        | -1,087.37              | 4,978.23                | 2,532.18                  | 2,418.29          | 113.90  | 22.233    |                    |
| 7,000.00                                                                                 | 4,239.92              | 4,313.38              | 4,312.92        | 38.35        | 85.16                  | 87.96        | -1,087.37              | 4,978.23                | 2,459.39                  | 2,344.20          | 115.19  | 21.351    |                    |
| 7,100.00                                                                                 | 4,243.37              | 4,316.83              | 4,316.37        | 39.39        | 85.22                  | 88.07        | -1,087.37              | 4,978.23                | 2,388.56                  | 2,272.00          | 116.56  | 20.493    |                    |
| 7,200.00                                                                                 | 4,246.81              | 4,320.28              | 4,319.81        | 40.43        | 85.29                  | 88.19        | -1,087.37              | 4,978.23                | 2,319.87                  | 2,201.88          | 117.99  | 19.661    |                    |
| 7,300.00                                                                                 | 4,250.26              | 4,323.73              | 4,323.26        | 41.48        | 85.35                  | 88.30        | -1,087.37              | 4,978.23                | 2,253.52                  | 2,134.02          | 119.50  | 18.858    |                    |
| 7,400.00                                                                                 | 4,253.71              | 4,327.17              | 4,326.71        | 42.53        | 85.42                  | 88.42        | -1,087.37              | 4,978.23                | 2,189.73                  | 2,068.65          | 121.08  | 18.085    |                    |
| 7,500.00                                                                                 | 4,257.16              | 4,330.62              | 4,330.16        | 43.58        | 85.48                  | 88.54        | -1,087.37              | 4,978.23                | 2,128.72                  | 2,006.00          | 122.72  | 17.346    |                    |
| 7,600.00                                                                                 | 4,260.60              | 4,334.07              | 4,333.60        | 44.64        | 85.54                  | 88.65        | -1,087.37              | 4,978.23                | 2,070.73                  | 1,946.31          | 124.42  | 16.643    |                    |
| 7,700.00                                                                                 | 4,264.05              | 4,337.52              | 4,337.05        | 45.70        | 85.61                  | 88.77        | -1,087.37              | 4,978.23                | 2,016.04                  | 1,889.87          | 126.17  | 15.979    |                    |
| 7,800.00                                                                                 | 4,267.50              | 4,340.96              | 4,340.50        | 46.76        | 85.67                  | 88.88        | -1,087.37              | 4,978.23                | 1,964.91                  | 1,836.95          | 127.96  | 15.356    |                    |
| 7,900.00                                                                                 | 4,270.95              | 4,344.41              | 4,343.95        | 47.83        | 85.73                  | 89.00        | -1,087.37              | 4,978.23                | 1,917.62                  | 1,787.85          | 129.77  | 14.777    |                    |
| 8,000.00                                                                                 | 4,274.39              | 4,347.86              | 4,347.39        | 48.89        | 85.80                  | 89.11        | -1,087.37              | 4,978.23                | 1,874.48                  | 1,742.89          | 131.59  | 14.245    |                    |
| 8,100.00                                                                                 | 4,277.84              | 4,351.12              | 4,350.65        | 49.97        | 85.86                  | 89.22        | -1,087.11              | 4,978.23                | 1,835.54                  | 1,702.14          | 133.39  | 13.760    |                    |
| 8,200.00                                                                                 | 4,281.29              | 4,354.34              | 4,353.87        | 51.04        | 85.92                  | 89.33        | -1,087.12              | 4,978.23                | 1,801.54                  | 1,666.38          | 135.16  | 13.328    |                    |
| 8,300.00                                                                                 | 4,284.74              | 4,357.56              | 4,357.09        | 52.12        | 85.98                  | 89.44        | -1,087.12              | 4,978.23                | 1,772.54                  | 1,635.66          | 136.88  | 12.950    |                    |
| 8,400.00                                                                                 | 4,288.18              | 4,360.77              | 4,360.31        | 53.19        | 86.03                  | 89.54        | -1,087.12              | 4,978.23                | 1,748.77                  | 1,610.26          | 138.51  | 12.626    |                    |
| 8,500.00                                                                                 | 4,291.63              | 4,363.99              | 4,363.53        | 54.27        | 86.09                  | 89.65        | -1,087.12              | 4,978.23                | 1,730.46                  | 1,590.43          | 140.03  | 12.358    |                    |
| 8,600.00                                                                                 | 4,295.08              | 4,367.21              | 4,366.74        | 55.36        | 86.15                  | 89.76        | -1,087.12              | 4,978.23                | 1,717.77                  | 1,576.36          | 141.42  | 12.147    |                    |
| 8,700.00                                                                                 | 4,298.53              | 4,370.42              | 4,369.96        | 56.44        | 86.21                  | 89.87        | -1,087.12              | 4,978.23                | 1,710.85                  | 1,568.19          | 142.65  | 11.993    |                    |
| 8,768.91                                                                                 | 4,300.90              | 4,372.64              | 4,372.18        | 57.19        | 86.25                  | 89.94        | -1,087.13              | 4,978.23                | 1,709.46                  | 1,566.05          | 143.40  | 11.921 CC |                    |
| 8,800.00                                                                                 | 4,301.97              | 4,373.64              | 4,373.17        | 57.53        | 86.27                  | 89.98        | -1,087.13              | 4,978.23                | 1,709.74                  | 1,566.02          | 143.72  | 11.897 ES |                    |
| 8,900.00                                                                                 | 4,305.42              | 4,376.86              | 4,376.39        | 58.61        | 86.33                  | 90.08        | -1,087.13              | 4,978.23                | 1,714.47                  | 1,569.87          | 144.60  | 11.857 SF |                    |
| 9,000.00                                                                                 | 4,308.87              | 4,380.07              | 4,379.61        | 59.70        | 86.39                  | 90.19        | -1,087.14              | 4,978.23                | 1,724.99                  | 1,579.69          | 145.30  | 11.872    |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

|                                                                                                 |                              |                              |                              |                               |                      |                              |                     |                     |                               |                                |                          |                |                           |           |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|--------------------------|----------------|---------------------------|-----------|
| <b>Offset Design:</b> SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 3 - Wellbore #1 - Wellbore #1 |                              |                              |                              |                               |                      |                              |                     |                     |                               |                                |                          |                | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 228-INC-ONLY                                                             |                              |                              |                              |                               |                      |                              |                     |                     |                               |                                |                          |                | <b>Offset Well Error:</b> | 0.00 usft |
| <b>Reference</b>                                                                                | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Offset Wellbore Centre</b> |                      | <b>Rule Assigned:</b>        |                     | <b>Distance</b>     |                               | <b>Minimum Separation</b>      |                          | <b>Warning</b> |                           |           |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b>       | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Separation (usft)</b> | <b>Factor</b>  |                           |           |
| 9,100.00                                                                                        | 4,312.32                     | 4,383.29                     | 4,382.82                     | 60.79                         | 86.45                | 90.30                        | -1,087.14           | 4,978.23            | 1,741.19                      | 1,595.38                       | 145.81                   | 11.941         |                           |           |
| 9,200.00                                                                                        | 4,315.76                     | 4,386.50                     | 4,386.03                     | 61.88                         | 86.51                | 90.41                        | -1,087.14           | 4,978.23            | 1,762.92                      | 1,616.78                       | 146.14                   | 12.063         |                           |           |
| 9,300.00                                                                                        | 4,319.21                     | 4,389.71                     | 4,389.25                     | 62.97                         | 86.57                | 90.51                        | -1,087.15           | 4,978.23            | 1,789.97                      | 1,643.67                       | 146.30                   | 12.235         |                           |           |
| 9,400.00                                                                                        | 4,322.66                     | 4,392.93                     | 4,392.46                     | 64.07                         | 86.63                | 90.62                        | -1,087.16           | 4,978.23            | 1,822.11                      | 1,675.80                       | 146.31                   | 12.454         |                           |           |
| 9,500.00                                                                                        | 4,326.11                     | 4,396.14                     | 4,395.68                     | 65.16                         | 86.69                | 90.73                        | -1,087.16           | 4,978.23            | 1,859.07                      | 1,712.90                       | 146.17                   | 12.719         |                           |           |
| 9,600.00                                                                                        | 4,329.55                     | 4,399.35                     | 4,398.89                     | 66.26                         | 86.75                | 90.84                        | -1,087.17           | 4,978.23            | 1,900.58                      | 1,754.67                       | 145.91                   | 13.026         |                           |           |
| 9,700.00                                                                                        | 4,333.00                     | 4,402.57                     | 4,402.10                     | 67.35                         | 86.81                | 90.94                        | -1,087.18           | 4,978.23            | 1,946.33                      | 1,800.78                       | 145.55                   | 13.372         |                           |           |
| 9,757.94                                                                                        | 4,335.00                     | 4,404.43                     | 4,403.96                     | 67.99                         | 86.84                | 91.01                        | -1,087.18           | 4,978.23            | 1,974.67                      | 1,829.37                       | 145.30                   | 13.590         |                           |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 4 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                 |          |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|---------------------------------|----------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 190-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                 |          |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Distance Between Centres (usft) |          | Minimum Separation (usft) | Separation Factor | Warning            |           |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) |                                 |          |                           |                   |                    |           |
| 4,800.00                                                                                 | 4,164.07              | 4,240.54              | 4,239.07              | 18.45                            | 106.73                        | 82.41                 | -599.41                | 5,774.15     | 4,927.79                        | 4,805.67 | 122.11                    | 40.355            |                    |           |
| 4,900.00                                                                                 | 4,167.52              | 4,243.99              | 4,242.52              | 19.11                            | 106.81                        | 82.57                 | -599.41                | 5,774.15     | 4,831.10                        | 4,708.79 | 122.31                    | 39.497            |                    |           |
| 5,000.00                                                                                 | 4,170.97              | 4,247.44              | 4,245.97              | 19.81                            | 106.90                        | 82.73                 | -599.41                | 5,774.15     | 4,734.55                        | 4,612.02 | 122.53                    | 38.640            |                    |           |
| 5,100.00                                                                                 | 4,174.42              | 4,250.88              | 4,249.42              | 20.55                            | 106.98                        | 82.89                 | -599.41                | 5,774.15     | 4,638.14                        | 4,515.39 | 122.76                    | 37.783            |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 4,254.33              | 4,252.86              | 21.33                            | 107.06                        | 83.04                 | -599.41                | 5,774.15     | 4,541.89                        | 4,418.89 | 123.00                    | 36.927            |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 4,257.78              | 4,256.31              | 22.13                            | 107.15                        | 83.20                 | -599.41                | 5,774.15     | 4,445.80                        | 4,322.54 | 123.25                    | 36.070            |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 4,261.23              | 4,259.76              | 22.96                            | 107.23                        | 83.36                 | -599.41                | 5,774.15     | 4,349.88                        | 4,226.35 | 123.53                    | 35.214            |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 4,264.67              | 4,263.21              | 23.82                            | 107.32                        | 83.52                 | -599.41                | 5,774.15     | 4,254.14                        | 4,130.33 | 123.81                    | 34.359            |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 4,268.12              | 4,266.65              | 24.69                            | 107.40                        | 83.67                 | -599.41                | 5,774.15     | 4,158.61                        | 4,034.49 | 124.12                    | 33.504            |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 4,271.57              | 4,270.10              | 25.59                            | 107.48                        | 83.83                 | -599.41                | 5,774.15     | 4,063.29                        | 3,938.84 | 124.45                    | 32.650            |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 4,275.02              | 4,273.55              | 26.50                            | 107.57                        | 83.99                 | -599.41                | 5,774.15     | 3,968.19                        | 3,843.39 | 124.80                    | 31.797            |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 4,278.46              | 4,277.00              | 27.43                            | 107.65                        | 84.15                 | -599.41                | 5,774.15     | 3,873.34                        | 3,748.17 | 125.17                    | 30.944            |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 4,281.91              | 4,280.44              | 28.37                            | 107.74                        | 84.31                 | -599.41                | 5,774.15     | 3,778.75                        | 3,653.18 | 125.57                    | 30.093            |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 4,285.36              | 4,283.89              | 29.33                            | 107.82                        | 84.47                 | -599.41                | 5,774.15     | 3,684.44                        | 3,558.45 | 125.99                    | 29.243            |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 4,288.81              | 4,287.34              | 30.30                            | 107.90                        | 84.62                 | -599.41                | 5,774.15     | 3,590.44                        | 3,463.99 | 126.45                    | 28.395            |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 4,292.25              | 4,290.79              | 31.28                            | 107.99                        | 84.78                 | -599.41                | 5,774.15     | 3,496.77                        | 3,369.83 | 126.93                    | 27.548            |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 4,295.70              | 4,294.23              | 32.26                            | 108.07                        | 84.94                 | -599.41                | 5,774.15     | 3,403.45                        | 3,276.00 | 127.45                    | 26.704            |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 4,299.15              | 4,297.68              | 33.26                            | 108.16                        | 85.10                 | -599.41                | 5,774.15     | 3,310.52                        | 3,182.51 | 128.01                    | 25.862            |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 4,302.60              | 4,301.13              | 34.27                            | 108.24                        | 85.26                 | -599.41                | 5,774.15     | 3,218.01                        | 3,089.41 | 128.60                    | 25.023            |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 4,306.04              | 4,304.58              | 35.28                            | 108.32                        | 85.42                 | -599.41                | 5,774.15     | 3,125.96                        | 2,996.72 | 129.24                    | 24.188            |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 4,309.49              | 4,308.02              | 36.30                            | 108.41                        | 85.58                 | -599.41                | 5,774.15     | 3,034.40                        | 2,904.48 | 129.92                    | 23.356            |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 4,312.94              | 4,311.47              | 37.32                            | 108.49                        | 85.72                 | -598.82                | 5,774.15     | 2,943.16                        | 2,812.51 | 130.65                    | 22.528            |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 4,316.39              | 4,314.92              | 38.35                            | 108.57                        | 85.87                 | -598.82                | 5,774.15     | 2,852.74                        | 2,721.31 | 131.43                    | 21.706            |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 4,319.84              | 4,317.37              | 39.39                            | 108.64                        | 86.02                 | -598.82                | 5,774.15     | 2,762.98                        | 2,630.72 | 132.27                    | 20.889            |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 4,323.28              | 4,320.81              | 40.43                            | 108.72                        | 86.16                 | -598.83                | 5,774.15     | 2,673.95                        | 2,540.78 | 133.17                    | 20.079            |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 4,326.73              | 4,323.26              | 41.48                            | 108.80                        | 86.31                 | -598.83                | 5,774.15     | 2,585.71                        | 2,451.56 | 134.14                    | 19.276            |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 4,330.18              | 4,327.71              | 42.53                            | 108.88                        | 86.46                 | -598.83                | 5,774.15     | 2,498.35                        | 2,363.16 | 135.19                    | 18.481            |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 4,333.63              | 4,331.16              | 43.58                            | 108.95                        | 86.60                 | -598.84                | 5,774.15     | 2,411.97                        | 2,275.66 | 136.31                    | 17.695            |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 4,337.08              | 4,335.60              | 44.64                            | 109.03                        | 86.75                 | -598.84                | 5,774.15     | 2,326.67                        | 2,189.15 | 137.52                    | 16.919            |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 4,340.53              | 4,339.05              | 45.70                            | 109.11                        | 86.90                 | -598.85                | 5,774.15     | 2,242.59                        | 2,103.77 | 138.82                    | 16.155            |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 4,343.98              | 4,342.50              | 46.76                            | 109.18                        | 87.04                 | -598.86                | 5,774.15     | 2,159.86                        | 2,019.64 | 140.22                    | 15.404            |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 4,347.43              | 4,345.95              | 47.83                            | 109.26                        | 87.19                 | -598.86                | 5,774.15     | 2,078.64                        | 1,936.92 | 141.72                    | 14.667            |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 4,350.88              | 4,349.39              | 48.89                            | 109.34                        | 87.34                 | -598.87                | 5,774.15     | 1,999.12                        | 1,855.78 | 143.34                    | 13.947            |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 4,354.33              | 4,352.84              | 49.97                            | 109.42                        | 87.48                 | -598.88                | 5,774.15     | 1,921.51                        | 1,776.44 | 145.07                    | 13.246            |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 4,357.78              | 4,356.29              | 51.04                            | 109.49                        | 87.63                 | -598.89                | 5,774.15     | 1,846.04                        | 1,699.12 | 146.92                    | 12.565            |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 4,361.23              | 4,359.74              | 52.12                            | 109.57                        | 87.78                 | -598.90                | 5,774.15     | 1,773.00                        | 1,624.11 | 148.89                    | 11.908            |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 4,364.68              | 4,363.18              | 53.19                            | 109.65                        | 87.92                 | -598.91                | 5,774.15     | 1,702.70                        | 1,551.71 | 150.99                    | 11.277            |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 4,368.13              | 4,366.63              | 54.27                            | 109.73                        | 88.07                 | -598.92                | 5,774.15     | 1,635.49                        | 1,482.28 | 153.21                    | 10.675            |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 4,371.58              | 4,370.08              | 55.36                            | 109.80                        | 88.22                 | -598.93                | 5,774.15     | 1,571.76                        | 1,416.22 | 155.53                    | 10.106            |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 4,375.03              | 4,373.53              | 56.44                            | 109.88                        | 88.36                 | -598.95                | 5,774.15     | 1,511.95                        | 1,354.00 | 157.95                    | 9.572             |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 4,378.48              | 4,376.97              | 57.53                            | 109.96                        | 88.51                 | -598.96                | 5,774.15     | 1,456.56                        | 1,296.12 | 160.44                    | 9.079             |                    |           |
| 8,900.00                                                                                 | 4,305.42              | 4,381.93              | 4,380.42              | 58.61                            | 110.03                        | 88.66                 | -598.98                | 5,774.15     | 1,406.10                        | 1,243.14 | 162.96                    | 8.629             |                    |           |
| 9,000.00                                                                                 | 4,308.87              | 4,385.38              | 4,383.87              | 59.70                            | 110.11                        | 88.80                 | -598.99                | 5,774.15     | 1,361.11                        | 1,195.64 | 165.47                    | 8.226             |                    |           |
| 9,100.00                                                                                 | 4,312.32              | 4,388.83              | 4,387.32              | 60.79                            | 110.19                        | 88.95                 | -599.01                | 5,774.15     | 1,322.16                        | 1,154.26 | 167.90                    | 7.875             |                    |           |
| 9,200.00                                                                                 | 4,315.76              | 4,392.28              | 4,390.76              | 61.88                            | 110.27                        | 89.10                 | -599.02                | 5,774.15     | 1,289.80                        | 1,119.59 | 170.21                    | 7.578             |                    |           |
| 9,300.00                                                                                 | 4,319.21              | 4,395.73              | 4,394.21              | 62.97                            | 110.34                        | 89.24                 | -599.04                | 5,774.15     | 1,264.53                        | 1,092.22 | 172.31                    | 7.339             |                    |           |
| 9,400.00                                                                                 | 4,322.66              | 4,399.18              | 4,397.66              | 64.07                            | 110.42                        | 89.39                 | -599.06                | 5,774.15     | 1,246.78                        | 1,072.65 | 174.13                    | 7.160             |                    |           |
| 9,500.00                                                                                 | 4,326.11              | 4,402.63              | 4,401.11              | 65.16                            | 110.50                        | 89.54                 | -599.08                | 5,774.15     | 1,236.88                        | 1,061.26 | 175.62                    | 7.043             |                    |           |
| 9,573.09                                                                                 | 4,328.63              | 4,406.08              | 4,405.11              | 65.96                            | 110.55                        | 89.64                 | -599.09                | 5,774.15     | 1,234.72                        | 1,058.25 | 176.47                    | 6.997 CC, ES      |                    |           |
| 9,600.00                                                                                 | 4,329.55              | 4,409.53              | 4,408.02              | 66.26                            | 110.57                        | 89.68                 | -599.10                | 5,774.15     | 1,235.02                        | 1,058.29 | 176.73                    | 6.988 SF          |                    |           |
| 9,700.00                                                                                 | 4,333.00              | 4,412.98              | 4,411.47              | 67.35                            | 110.65                        | 89.83                 | -599.12                | 5,774.15     | 1,241.22                        | 1,063.79 | 177.43                    | 6.995             |                    |           |
| 9,757.94                                                                                 | 4,335.00              | 4,416.43              | 4,414.92              | 67.99                            | 110.70                        | 89.92                 | -599.13                | 5,774.15     | 1,248.47                        | 1,070.82 | 177.65                    | 7.028             |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

|                    |                                |                              |                                    |
|--------------------|--------------------------------|------------------------------|------------------------------------|
| Company:           | SPUR ENERGY PARTNERS, LLC      | Local Co-ordinate Reference: | Well 70H                           |
| Project:           | EDDY COUNTY, NM (NAD 83 - NME) | TVD Reference:               | RKB = 20' @ 3632.00usft (AKITA 57) |
| Reference Site:    | SMITHDALE 29 FEDERAL           | MD Reference:                | RKB = 20' @ 3632.00usft (AKITA 57) |
| Site Error:        | 0.00 usft                      | North Reference:             | Grid                               |
| Reference Well:    | 70H                            | Survey Calculation Method:   | Minimum Curvature                  |
| Well Error:        | 0.00 usft                      | Output errors are at         | 2.00 sigma                         |
| Reference Wellbore | OH                             | Database:                    | EDM 5000.17 Single User Db         |
| Reference Design:  | PERMIT                         | Offset TVD Reference:        | Offset Datum                       |

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 5 - Wellbore #1 - Wellbore #1 |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------|--------------------|
|                                                                                          |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           | 0.00 usft          |
| Survey Program:                                                                          | Reference             | Offset                | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Rule Assigned:         |                         | Minimum Separation (usft) | Separation Factor | Warning   | Offset Well Error: |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |           | 0.00 usft          |
| 0.00                                                                                     | 0.00                  | 86.00                 | 86.00            | 0.00          | 1.46                  | 108.44                 | -1,219.94    | 3,658.04               | 3,856.10                |                           |                   |           |                    |
| 100.00                                                                                   | 100.00                | 186.00                | 186.00           | 0.29          | 3.15                  | 108.44                 | -1,219.94    | 3,658.04               | 3,856.10                | 3,852.67                  | 3.43              | 1,123.035 |                    |
| 200.00                                                                                   | 200.00                | 286.00                | 286.00           | 0.65          | 4.84                  | 108.44                 | -1,219.94    | 3,658.04               | 3,856.10                | 3,850.62                  | 5.48              | 703.158   |                    |
| 300.00                                                                                   | 300.00                | 386.00                | 386.00           | 1.00          | 6.60                  | 108.44                 | -1,219.94    | 3,658.04               | 3,856.10                | 3,848.50                  | 7.60              | 507.372   |                    |
| 400.00                                                                                   | 399.98                | 485.47                | 485.47           | 1.36          | 8.35                  | 115.44                 | -1,219.83    | 3,658.04               | 3,856.81                | 3,847.11                  | 9.71              | 397.283   |                    |
| 500.00                                                                                   | 499.84                | 584.11                | 584.11           | 1.73          | 10.08                 | 115.46                 | -1,219.92    | 3,658.04               | 3,859.09                | 3,847.29                  | 11.80             | 327.009   |                    |
| 600.00                                                                                   | 599.45                | 685.45                | 685.45           | 2.09          | 11.86                 | 115.51                 | -1,219.94    | 3,658.04               | 3,862.86                | 3,848.92                  | 13.94             | 277.063   |                    |
| 700.00                                                                                   | 698.70                | 783.40                | 783.39           | 2.45          | 13.59                 | 115.58                 | -1,219.89    | 3,658.04               | 3,868.14                | 3,852.11                  | 16.02             | 241.394   |                    |
| 800.00                                                                                   | 797.47                | 883.47                | 883.47           | 2.82          | 15.36                 | 115.68                 | -1,219.94    | 3,658.04               | 3,874.98                | 3,856.82                  | 18.15             | 213.447   |                    |
| 900.00                                                                                   | 896.02                | 981.97                | 981.97           | 3.17          | 17.10                 | 115.90                 | -1,219.82    | 3,658.04               | 3,882.40                | 3,862.14                  | 20.26             | 191.622   |                    |
| 1,000.00                                                                                 | 994.57                | 1,079.27              | 1,079.27         | 3.53          | 18.83                 | 116.12                 | -1,219.87    | 3,658.04               | 3,889.94                | 3,867.60                  | 22.35             | 174.067   |                    |
| 1,100.00                                                                                 | 1,093.12              | 1,179.13              | 1,179.12         | 3.89          | 20.60                 | 116.35                 | -1,219.94    | 3,658.04               | 3,897.55                | 3,873.06                  | 24.49             | 159.162   |                    |
| 1,200.00                                                                                 | 1,191.68              | 1,277.21              | 1,277.20         | 4.26          | 22.36                 | 116.56                 | -1,219.75    | 3,658.04               | 3,905.13                | 3,878.52                  | 26.61             | 146.772   |                    |
| 1,300.00                                                                                 | 1,290.23              | 1,372.65              | 1,372.65         | 4.63          | 24.07                 | 116.78                 | -1,219.89    | 3,658.04               | 3,912.88                | 3,884.20                  | 28.68             | 136.437   |                    |
| 1,400.00                                                                                 | 1,388.78              | 1,474.79              | 1,474.78         | 4.99          | 25.88                 | 117.00                 | -1,219.94    | 3,658.04               | 3,920.66                | 3,889.80                  | 30.86             | 127.051   |                    |
| 1,500.00                                                                                 | 1,487.33              | 1,571.45              | 1,571.44         | 5.36          | 27.60                 | 117.22                 | -1,219.79    | 3,658.04               | 3,928.42                | 3,895.48                  | 32.94             | 119.263   |                    |
| 1,600.00                                                                                 | 1,585.88              | 1,671.90              | 1,671.88         | 5.73          | 29.38                 | 117.44                 | -1,219.94    | 3,658.04               | 3,936.35                | 3,901.27                  | 35.08             | 112.205   |                    |
| 1,700.00                                                                                 | 1,684.43              | 1,770.04              | 1,770.03         | 6.10          | 31.10                 | 117.65                 | -1,219.86    | 3,658.04               | 3,944.26                | 3,907.08                  | 37.17             | 106.107   |                    |
| 1,800.00                                                                                 | 1,782.99              | 1,869.00              | 1,868.99         | 6.47          | 32.84                 | 117.87                 | -1,219.94    | 3,658.04               | 3,952.28                | 3,913.00                  | 39.28             | 100.620   |                    |
| 1,900.00                                                                                 | 1,881.54              | 1,967.55              | 1,967.54         | 6.84          | 34.59                 | 118.09                 | -1,219.94    | 3,658.04               | 3,960.32                | 3,918.93                  | 41.39             | 95.674    |                    |
| 2,000.00                                                                                 | 1,980.09              | 2,064.65              | 2,064.64         | 7.21          | 36.31                 | 118.30                 | -1,219.88    | 3,658.04               | 3,968.40                | 3,924.92                  | 43.48             | 91.264    |                    |
| 2,100.00                                                                                 | 2,078.64              | 2,164.66              | 2,164.64         | 7.58          | 38.12                 | 118.51                 | -1,219.94    | 3,658.04               | 3,976.58                | 3,930.93                  | 45.65             | 87.105    |                    |
| 2,200.00                                                                                 | 2,177.19              | 2,262.93              | 2,262.91         | 7.95          | 39.92                 | 118.72                 | -1,219.72    | 3,658.04               | 3,984.71                | 3,936.90                  | 47.82             | 83.333    |                    |
| 2,300.00                                                                                 | 2,275.75              | 2,358.39              | 2,358.37         | 8.32          | 41.66                 | 118.93                 | -1,219.84    | 3,658.04               | 3,993.03                | 3,943.10                  | 49.93             | 79.975    |                    |
| 2,400.00                                                                                 | 2,374.30              | 2,460.33              | 2,460.30         | 8.69          | 43.53                 | 119.14                 | -1,219.94    | 3,658.04               | 4,001.39                | 3,949.22                  | 52.16             | 76.708    |                    |
| 2,500.00                                                                                 | 2,472.85              | 2,556.37              | 2,556.34         | 9.06          | 45.29                 | 119.34                 | -1,219.58    | 3,658.04               | 4,009.63                | 3,955.34                  | 54.29             | 73.852    |                    |
| 2,600.00                                                                                 | 2,571.40              | 2,657.44              | 2,657.40         | 9.43          | 47.14                 | 119.56                 | -1,219.94    | 3,658.04               | 4,018.20                | 3,961.69                  | 56.51             | 71.107    |                    |
| 2,700.00                                                                                 | 2,669.95              | 2,755.99              | 2,755.95         | 9.80          | 48.89                 | 119.77                 | -1,219.94    | 3,658.04               | 4,026.68                | 3,968.06                  | 58.62             | 68.687    |                    |
| 2,800.00                                                                                 | 2,768.50              | 2,851.61              | 2,851.56         | 10.17         | 50.59                 | 119.97                 | -1,219.82    | 3,658.04               | 4,035.18                | 3,974.49                  | 60.69             | 66.493    |                    |
| 2,900.00                                                                                 | 2,867.06              | 2,953.10              | 2,953.06         | 10.54         | 52.40                 | 120.18                 | -1,219.94    | 3,658.04               | 4,043.82                | 3,980.95                  | 62.86             | 64.326    |                    |
| 3,000.00                                                                                 | 2,965.61              | 3,050.75              | 3,050.70         | 10.92         | 54.16                 | 120.39                 | -1,219.86    | 3,658.04               | 4,052.43                | 3,987.45                  | 64.98             | 62.360    |                    |
| 3,100.00                                                                                 | 3,064.16              | 3,150.21              | 3,150.16         | 11.29         | 55.94                 | 120.59                 | -1,219.94    | 3,658.04               | 4,061.16                | 3,994.02                  | 67.14             | 60.490    |                    |
| 3,200.00                                                                                 | 3,162.72              | 3,248.77              | 3,248.72         | 11.66         | 57.72                 | 112.64                 | -1,219.94    | 3,658.04               | 4,069.64                | 4,000.37                  | 69.27             | 58.747    |                    |
| 3,300.00                                                                                 | 3,261.19              | 3,347.24              | 3,347.19         | 12.02         | 59.48                 | 80.17                  | -1,219.94    | 3,658.04               | 4,071.22                | 3,999.82                  | 71.41             | 57.014    |                    |
| 3,400.00                                                                                 | 3,358.69              | 3,442.06              | 3,442.00         | 12.38         | 61.19                 | 60.31                  | -1,219.45    | 3,658.04               | 4,062.84                | 3,989.36                  | 73.47             | 55.297    |                    |
| 3,500.00                                                                                 | 3,454.14              | 3,534.43              | 3,534.37         | 12.72         | 62.85                 | 50.00                  | -1,219.68    | 3,658.04               | 4,045.12                | 3,969.63                  | 75.49             | 53.587    |                    |
| 3,600.00                                                                                 | 3,546.50              | 3,632.56              | 3,632.50         | 13.04         | 64.60                 | 44.63                  | -1,219.94    | 3,658.04               | 4,018.03                | 3,940.45                  | 77.58             | 51.792    |                    |
| 3,700.00                                                                                 | 3,634.76              | 3,720.82              | 3,720.76         | 13.35         | 66.14                 | 41.92                  | -1,219.94    | 3,658.04               | 3,981.82                | 3,902.36                  | 79.46             | 50.112    |                    |
| 3,800.00                                                                                 | 3,717.94              | 3,802.81              | 3,802.75         | 13.64         | 67.58                 | 40.89                  | -1,219.85    | 3,658.04               | 3,937.01                | 3,855.80                  | 81.21             | 48.478    |                    |
| 3,900.00                                                                                 | 3,795.15              | 3,878.54              | 3,878.48         | 13.94         | 68.91                 | 41.14                  | -1,219.93    | 3,658.04               | 3,884.28                | 3,801.43                  | 82.84             | 46.887    |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,951.58              | 3,951.52         | 14.28         | 70.20                 | 42.52                  | -1,219.94    | 3,658.04               | 3,824.16                | 3,739.73                  | 84.43             | 45.295    |                    |
| 4,100.00                                                                                 | 3,928.30              | 4,014.24              | 4,014.18         | 14.67         | 71.32                 | 44.96                  | -1,219.84    | 3,658.04               | 3,757.36                | 3,671.55                  | 85.82             | 43.783    |                    |
| 4,200.00                                                                                 | 3,982.79              | 4,067.56              | 4,067.50         | 15.11         | 72.26                 | 48.58                  | -1,219.86    | 3,658.04               | 3,684.80                | 3,597.77                  | 87.03             | 42.339    |                    |
| 4,300.00                                                                                 | 4,032.79              | 4,116.48              | 4,116.42         | 15.59         | 73.13                 | 49.39                  | -1,219.91    | 3,658.04               | 3,609.78                | 3,521.61                  | 88.16             | 40.944    |                    |
| 4,400.00                                                                                 | 4,082.79              | 4,168.85              | 4,168.79         | 16.11         | 74.09                 | 50.23                  | -1,219.94    | 3,658.04               | 3,535.28                | 3,445.87                  | 89.41             | 39.540    |                    |
| 4,500.00                                                                                 | 4,125.25              | 4,211.31              | 4,211.25         | 16.67         | 74.88                 | 60.90                  | -1,219.94    | 3,658.04               | 3,458.09                | 3,367.58                  | 90.51             | 38.207    |                    |
| 4,600.00                                                                                 | 4,151.36              | 4,237.42              | 4,237.36         | 17.25         | 75.37                 | 74.60                  | -1,219.94    | 3,658.04               | 3,376.51                | 3,285.20                  | 91.31             | 36.979    |                    |
| 4,700.00                                                                                 | 4,160.63              | 4,246.59              | 4,246.52         | 17.84         | 75.54                 | 87.02                  | -1,219.77    | 3,658.04               | 3,293.09                | 3,201.29                  | 91.80             | 35.874    |                    |
| 4,800.00                                                                                 | 4,164.07              | 4,249.87              | 4,249.81         | 18.45         | 75.60                 | 87.12                  | -1,219.77    | 3,658.04               | 3,210.28                | 3,118.08                  | 92.20             | 34.818    |                    |
| 4,900.00                                                                                 | 4,167.52              | 4,253.16              | 4,253.09         | 19.11         | 75.66                 | 87.23                  | -1,219.77    | 3,658.04               | 3,128.47                | 3,035.82                  | 92.65             | 33.766    |                    |
| 5,000.00                                                                                 | 4,170.97              | 4,256.44              | 4,256.38         | 19.81         | 75.72                 | 87.33                  | -1,219.77    | 3,658.04               | 3,047.74                | 2,954.59                  | 93.15             | 32.718    |                    |
| 5,100.00                                                                                 | 4,174.42              | 4,259.72              | 4,259.66         | 20.55         | 75.78                 | 87.43                  | -1,219.78    | 3,658.04               | 2,968.18                | 2,874.48                  | 93.70             | 31.677    |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 5 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|---------------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 288-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Distance Between Centres (usft) |                         | Minimum Separation (usft) | Separation Factor | Warning            |           |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)          | Between Ellipses (usft) |                           |                   |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 4,263.01              | 4,262.94              | 21.33                            | 75.84                         | 87.54                 | -1,219.78              | 3,658.04     | 2,889.89                        | 2,795.58                | 94.30                     | 30.644            |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 4,266.29              | 4,266.23              | 22.13                            | 75.90                         | 87.64                 | -1,219.78              | 3,658.04     | 2,812.97                        | 2,718.00                | 94.96                     | 29.621            |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 4,269.57              | 4,269.51              | 22.96                            | 75.97                         | 87.74                 | -1,219.78              | 3,658.04     | 2,737.53                        | 2,641.85                | 95.68                     | 28.610            |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 4,272.86              | 4,272.79              | 23.82                            | 76.03                         | 87.85                 | -1,219.78              | 3,658.04     | 2,663.72                        | 2,567.25                | 96.46                     | 27.613            |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 4,276.14              | 4,276.07              | 24.69                            | 76.09                         | 87.95                 | -1,219.79              | 3,658.04     | 2,591.65                        | 2,494.34                | 97.31                     | 26.633            |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 4,279.42              | 4,279.36              | 25.59                            | 76.15                         | 88.05                 | -1,219.79              | 3,658.04     | 2,521.49                        | 2,423.27                | 98.22                     | 25.673            |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 4,282.70              | 4,282.64              | 26.50                            | 76.21                         | 88.16                 | -1,219.79              | 3,658.04     | 2,453.39                        | 2,354.20                | 99.19                     | 24.734            |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 4,285.98              | 4,285.92              | 27.43                            | 76.27                         | 88.26                 | -1,219.80              | 3,658.04     | 2,387.53                        | 2,287.30                | 100.23                    | 23.821            |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 4,289.27              | 4,289.20              | 28.37                            | 76.33                         | 88.36                 | -1,219.80              | 3,658.04     | 2,324.11                        | 2,222.78                | 101.33                    | 22.935            |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 4,292.55              | 4,292.48              | 29.33                            | 76.39                         | 88.46                 | -1,219.81              | 3,658.04     | 2,263.33                        | 2,160.83                | 102.50                    | 22.081            |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 4,295.83              | 4,295.76              | 30.30                            | 76.45                         | 88.57                 | -1,219.81              | 3,658.04     | 2,205.40                        | 2,101.67                | 103.72                    | 21.262            |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 4,299.11              | 4,299.04              | 31.28                            | 76.52                         | 88.67                 | -1,219.81              | 3,658.04     | 2,150.55                        | 2,045.55                | 105.00                    | 20.481            |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 4,302.39              | 4,302.32              | 32.26                            | 76.58                         | 88.77                 | -1,219.82              | 3,658.04     | 2,099.04                        | 1,992.71                | 106.33                    | 19.740            |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 4,305.67              | 4,305.60              | 33.26                            | 76.64                         | 88.88                 | -1,219.83              | 3,658.04     | 2,051.11                        | 1,943.40                | 107.70                    | 19.044            |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 4,308.95              | 4,308.88              | 34.27                            | 76.70                         | 88.98                 | -1,219.83              | 3,658.04     | 2,007.01                        | 1,897.90                | 109.10                    | 18.395            |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 4,312.23              | 4,312.16              | 35.28                            | 76.76                         | 89.08                 | -1,219.84              | 3,658.04     | 1,967.00                        | 1,856.48                | 110.52                    | 17.797            |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 4,315.51              | 4,315.44              | 36.30                            | 76.82                         | 89.19                 | -1,219.84              | 3,658.04     | 1,931.34                        | 1,819.39                | 111.95                    | 17.252            |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 4,318.78              | 4,318.72              | 37.32                            | 76.88                         | 89.29                 | -1,219.85              | 3,658.04     | 1,900.28                        | 1,786.92                | 113.36                    | 16.763            |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 4,322.06              | 4,322.00              | 38.35                            | 76.94                         | 89.39                 | -1,219.86              | 3,658.04     | 1,874.04                        | 1,759.28                | 114.75                    | 16.331            |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 4,325.34              | 4,325.28              | 39.39                            | 77.00                         | 89.50                 | -1,219.86              | 3,658.04     | 1,852.82                        | 1,736.72                | 116.09                    | 15.960            |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 4,328.62              | 4,328.55              | 40.43                            | 77.06                         | 89.60                 | -1,219.87              | 3,658.04     | 1,836.80                        | 1,719.42                | 117.38                    | 15.649            |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 4,331.90              | 4,331.83              | 41.48                            | 77.13                         | 89.70                 | -1,219.88              | 3,658.04     | 1,826.12                        | 1,707.54                | 118.58                    | 15.400            |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 4,335.17              | 4,335.11              | 42.53                            | 77.19                         | 89.81                 | -1,219.89              | 3,658.04     | 1,820.87                        | 1,701.18                | 119.70                    | 15.213            |                    |           |
| 7,445.81                                                                                 | 4,255.29              | 4,336.67              | 4,336.61              | 43.01                            | 77.21                         | 89.85                 | -1,219.89              | 3,658.04     | 1,820.30                        | 1,700.13                | 120.17                    | 15.147 CC, ES     |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 4,338.45              | 4,338.39              | 43.58                            | 77.25                         | 89.91                 | -1,219.90              | 3,658.04     | 1,821.10                        | 1,700.40                | 120.70                    | 15.087            |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 4,341.73              | 4,341.66              | 44.64                            | 77.31                         | 90.01                 | -1,219.90              | 3,658.04     | 1,826.81                        | 1,705.21                | 121.60                    | 15.023            |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 4,345.00              | 4,344.94              | 45.70                            | 77.37                         | 90.11                 | -1,219.91              | 3,658.04     | 1,837.94                        | 1,715.57                | 122.37                    | 15.019 SF         |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 4,348.28              | 4,348.22              | 46.76                            | 77.43                         | 90.22                 | -1,219.92              | 3,658.04     | 1,854.40                        | 1,731.38                | 123.02                    | 15.074            |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 4,357.02              | 4,356.95              | 47.83                            | 77.60                         | 90.49                 | -1,219.94              | 3,658.04     | 1,876.04                        | 1,752.38                | 123.66                    | 15.170            |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 4,360.47              | 4,360.39              | 48.89                            | 77.67                         | 90.60                 | -1,219.94              | 3,658.04     | 1,902.69                        | 1,778.61                | 124.08                    | 15.334            |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 4,363.92              | 4,363.84              | 49.97                            | 77.74                         | 90.71                 | -1,219.94              | 3,658.04     | 1,934.14                        | 1,809.75                | 124.39                    | 15.549            |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 4,367.37              | 4,367.29              | 51.04                            | 77.81                         | 90.82                 | -1,219.94              | 3,658.04     | 1,970.16                        | 1,845.56                | 124.60                    | 15.812            |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 4,370.81              | 4,370.74              | 52.12                            | 77.88                         | 90.93                 | -1,219.94              | 3,658.04     | 2,010.51                        | 1,885.80                | 124.71                    | 16.122            |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 4,374.26              | 4,374.18              | 53.19                            | 77.95                         | 91.03                 | -1,219.94              | 3,658.04     | 2,054.93                        | 1,930.19                | 124.74                    | 16.474            |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 4,377.71              | 4,377.63              | 54.27                            | 78.02                         | 91.14                 | -1,219.94              | 3,658.04     | 2,103.16                        | 1,978.47                | 124.70                    | 16.866            |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 4,381.16              | 4,381.08              | 55.36                            | 78.08                         | 91.25                 | -1,219.94              | 3,658.04     | 2,154.96                        | 2,030.37                | 124.59                    | 17.296            |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 4,384.60              | 4,384.53              | 56.44                            | 78.15                         | 91.36                 | -1,219.94              | 3,658.04     | 2,210.06                        | 2,085.62                | 124.44                    | 17.760            |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 4,388.05              | 4,387.97              | 57.53                            | 78.22                         | 91.47                 | -1,219.94              | 3,658.04     | 2,268.23                        | 2,143.99                | 124.24                    | 18.257            |                    |           |
| 8,900.00                                                                                 | 4,305.42              | 4,391.50              | 4,391.42              | 58.61                            | 78.29                         | 91.58                 | -1,219.94              | 3,658.04     | 2,329.23                        | 2,205.22                | 124.01                    | 18.783            |                    |           |
| 9,000.00                                                                                 | 4,308.87              | 4,394.95              | 4,394.87              | 59.70                            | 78.36                         | 91.68                 | -1,219.94              | 3,658.04     | 2,392.86                        | 2,269.11                | 123.75                    | 19.336            |                    |           |
| 9,100.00                                                                                 | 4,312.32              | 4,398.39              | 4,398.32              | 60.79                            | 78.43                         | 91.79                 | -1,219.94              | 3,658.04     | 2,458.90                        | 2,335.43                | 123.48                    | 19.914            |                    |           |
| 9,200.00                                                                                 | 4,315.76              | 4,401.84              | 4,401.76              | 61.88                            | 78.50                         | 91.90                 | -1,219.94              | 3,658.04     | 2,527.17                        | 2,403.99                | 123.19                    | 20.515            |                    |           |
| 9,300.00                                                                                 | 4,319.21              | 4,405.29              | 4,405.21              | 62.97                            | 78.57                         | 92.01                 | -1,219.94              | 3,658.04     | 2,597.50                        | 2,474.61                | 122.89                    | 21.137            |                    |           |
| 9,400.00                                                                                 | 4,322.66              | 4,408.74              | 4,408.66              | 64.07                            | 78.64                         | 92.12                 | -1,219.94              | 3,658.04     | 2,669.71                        | 2,547.12                | 122.59                    | 21.778            |                    |           |
| 9,500.00                                                                                 | 4,326.11              | 4,412.18              | 4,412.11              | 65.16                            | 78.71                         | 92.23                 | -1,219.94              | 3,658.04     | 2,743.66                        | 2,621.38                | 122.28                    | 22.437            |                    |           |
| 9,600.00                                                                                 | 4,329.55              | 4,415.63              | 4,415.55              | 66.26                            | 78.78                         | 92.33                 | -1,219.94              | 3,658.04     | 2,819.21                        | 2,697.24                | 121.98                    | 23.112            |                    |           |
| 9,700.00                                                                                 | 4,333.00              | 4,419.08              | 4,419.00              | 67.35                            | 78.85                         | 92.44                 | -1,219.94              | 3,658.04     | 2,896.25                        | 2,774.57                | 121.68                    | 23.802            |                    |           |
| 9,757.94                                                                                 | 4,335.00              | 4,421.08              | 4,421.00              | 67.99                            | 78.89                         | 92.51                 | -1,219.94              | 3,658.04     | 2,941.51                        | 2,820.00                | 121.51                    | 24.209            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 6 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                       |                        |              |                        |                         |                           |                   |         |                    | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------|--------------------|--------------------|
| Survey Program: 257-INC-ONLY                                                             |                       |                       |                       |                       |                        |              |                        |                         |                           |                   |         |                    | 0.00 usft          |
| Reference                                                                                | Offset                | Semi Major Axis       |                       | Highside Toolface (°) | Offset Wellbore Centre |              | Rule Assigned:         |                         | Minimum Separation (usft) | Separation Factor | Warning | Offset Well Error: |                    |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |         | 0.00 usft          |                    |
| 0.00                                                                                     | 0.00                  | 80.00                 | 80.00                 | 0.00                  | 1.40                   | 97.23        | -548.24                | 4,324.13                | 4,358.75                  |                   |         |                    |                    |
| 100.00                                                                                   | 100.00                | 180.00                | 180.00                | 0.29                  | 3.15                   | 97.23        | -548.24                | 4,324.13                | 4,358.75                  | 4,355.31          | 3.43    | 1,269.848          |                    |
| 200.00                                                                                   | 200.00                | 280.00                | 280.00                | 0.65                  | 4.90                   | 97.23        | -548.24                | 4,324.13                | 4,358.75                  | 4,353.20          | 5.55    | 785.834            |                    |
| 300.00                                                                                   | 300.00                | 380.00                | 380.00                | 1.00                  | 6.68                   | 97.23        | -548.24                | 4,324.13                | 4,358.75                  | 4,351.06          | 7.69    | 566.986            |                    |
| 400.00                                                                                   | 399.98                | 478.34                | 478.34                | 1.36                  | 8.44                   | 104.22       | -548.15                | 4,324.13                | 4,359.16                  | 4,349.36          | 9.80    | 444.884            |                    |
| 500.00                                                                                   | 499.84                | 579.84                | 579.84                | 1.73                  | 10.22                  | 104.27       | -548.24                | 4,324.13                | 4,360.46                  | 4,348.52          | 11.94   | 365.177            |                    |
| 600.00                                                                                   | 599.45                | 679.26                | 679.25                | 2.09                  | 11.96                  | 104.33       | -548.14                | 4,324.13                | 4,362.61                  | 4,348.57          | 14.04   | 310.783            |                    |
| 700.00                                                                                   | 698.70                | 777.87                | 777.86                | 2.45                  | 13.69                  | 104.43       | -548.22                | 4,324.13                | 4,365.67                  | 4,349.55          | 16.12   | 270.801            |                    |
| 800.00                                                                                   | 797.47                | 877.48                | 877.47                | 2.82                  | 15.52                  | 104.56       | -548.24                | 4,324.13                | 4,369.63                  | 4,351.32          | 18.31   | 238.630            |                    |
| 900.00                                                                                   | 896.02                | 975.65                | 975.64                | 3.17                  | 17.33                  | 104.77       | -548.15                | 4,324.13                | 4,373.97                  | 4,353.48          | 20.49   | 213.508            |                    |
| 1,000.00                                                                                 | 994.57                | 1,074.59              | 1,074.57              | 3.53                  | 19.19                  | 104.98       | -548.24                | 4,324.13                | 4,378.39                  | 4,355.68          | 22.71   | 192.780            |                    |
| 1,100.00                                                                                 | 1,093.12              | 1,173.15              | 1,173.12              | 3.89                  | 21.21                  | 105.19       | -548.24                | 4,324.13                | 4,382.87                  | 4,357.77          | 25.09   | 174.666            |                    |
| 1,200.00                                                                                 | 1,191.68              | 1,269.23              | 1,269.20              | 4.26                  | 23.17                  | 105.39       | -547.82                | 4,324.13                | 4,387.34                  | 4,359.92          | 27.42   | 159.981            |                    |
| 1,300.00                                                                                 | 1,290.23              | 1,370.30              | 1,370.23              | 4.63                  | 25.29                  | 105.61       | -548.24                | 4,324.13                | 4,392.00                  | 4,362.09          | 29.90   | 146.869            |                    |
| 1,400.00                                                                                 | 1,388.78              | 1,466.50              | 1,466.42              | 4.99                  | 27.41                  | 105.81       | -547.78                | 4,324.13                | 4,396.58                  | 4,364.19          | 32.40   | 135.712            |                    |
| 1,500.00                                                                                 | 1,487.33              | 1,567.45              | 1,567.33              | 5.36                  | 29.68                  | 106.03       | -548.24                | 4,324.13                | 4,401.37                  | 4,366.34          | 35.03   | 125.653            |                    |
| 1,600.00                                                                                 | 1,585.88              | 1,665.45              | 1,665.32              | 5.73                  | 31.93                  | 106.23       | -547.47                | 4,324.13                | 4,406.02                  | 4,368.37          | 37.65   | 117.020            |                    |
| 1,700.00                                                                                 | 1,684.43              | 1,757.43              | 1,757.29              | 6.10                  | 34.05                  | 106.43       | -547.95                | 4,324.13                | 4,410.94                  | 4,370.81          | 40.14   | 109.897            |                    |
| 1,800.00                                                                                 | 1,782.99              | 1,863.18              | 1,862.99              | 6.47                  | 36.32                  | 106.66       | -548.24                | 4,324.13                | 4,415.88                  | 4,373.11          | 42.77   | 103.243            |                    |
| 1,900.00                                                                                 | 1,881.54              | 1,958.13              | 1,957.92              | 6.84                  | 38.30                  | 106.85       | -547.58                | 4,324.13                | 4,420.73                  | 4,375.60          | 45.12   | 97.969             |                    |
| 2,000.00                                                                                 | 1,980.09              | 2,060.32              | 2,060.09              | 7.21                  | 40.38                  | 107.07       | -548.24                | 4,324.13                | 4,425.86                  | 4,378.29          | 47.57   | 93.042             |                    |
| 2,100.00                                                                                 | 2,078.64              | 2,158.87              | 2,158.64              | 7.58                  | 42.20                  | 107.28       | -548.24                | 4,324.13                | 4,430.93                  | 4,381.18          | 49.76   | 89.052             |                    |
| 2,200.00                                                                                 | 2,177.19              | 2,254.65              | 2,254.41              | 7.95                  | 43.97                  | 107.48       | -548.10                | 4,324.13                | 4,436.04                  | 4,384.15          | 51.89   | 85.484             |                    |
| 2,300.00                                                                                 | 2,275.75              | 2,355.99              | 2,355.75              | 8.32                  | 45.87                  | 107.69       | -548.24                | 4,324.13                | 4,441.26                  | 4,387.09          | 54.17   | 81.993             |                    |
| 2,400.00                                                                                 | 2,374.30              | 2,453.33              | 2,453.09              | 8.69                  | 47.72                  | 107.89       | -547.98                | 4,324.13                | 4,446.46                  | 4,390.08          | 56.38   | 78.866             |                    |
| 2,500.00                                                                                 | 2,472.85              | 2,553.11              | 2,552.85              | 9.06                  | 49.61                  | 108.10       | -548.24                | 4,324.13                | 4,451.82                  | 4,393.18          | 58.64   | 75.919             |                    |
| 2,600.00                                                                                 | 2,571.40              | 2,651.66              | 2,651.40              | 9.43                  | 51.48                  | 108.31       | -548.24                | 4,324.13                | 4,457.19                  | 4,396.31          | 60.88   | 73.217             |                    |
| 2,700.00                                                                                 | 2,669.95              | 2,746.70              | 2,746.44              | 9.80                  | 53.28                  | 108.50       | -548.01                | 4,324.13                | 4,462.57                  | 4,399.52          | 63.05   | 70.782             |                    |
| 2,800.00                                                                                 | 2,768.50              | 2,848.78              | 2,848.50              | 10.17                 | 55.19                  | 108.72       | -548.24                | 4,324.13                | 4,468.10                  | 4,402.77          | 65.33   | 68.397             |                    |
| 2,900.00                                                                                 | 2,867.06              | 2,947.21              | 2,946.93              | 10.54                 | 57.01                  | 108.91       | -547.89                | 4,324.13                | 4,473.57                  | 4,406.05          | 67.52   | 66.259             |                    |
| 3,000.00                                                                                 | 2,965.61              | 3,042.92              | 3,042.65              | 10.92                 | 58.78                  | 109.11       | -548.05                | 4,324.13                | 4,479.20                  | 4,409.54          | 69.66   | 64.304             |                    |
| 3,100.00                                                                                 | 3,064.16              | 3,144.44              | 3,144.16              | 11.29                 | 60.62                  | 109.32       | -548.24                | 4,324.13                | 4,484.90                  | 4,413.04          | 71.86   | 62.412             |                    |
| 3,200.00                                                                                 | 3,162.72              | 3,242.18              | 3,241.89              | 11.66                 | 62.34                  | 101.39       | -547.96                | 4,324.13                | 4,490.27                  | 4,416.32          | 73.95   | 60.720             |                    |
| 3,300.00                                                                                 | 3,261.19              | 3,337.14              | 3,336.85              | 12.02                 | 64.01                  | 68.94        | -548.20                | 4,324.13                | 4,488.51                  | 4,412.52          | 75.99   | 59.067             |                    |
| 3,400.00                                                                                 | 3,358.69              | 3,438.98              | 3,438.69              | 12.38                 | 65.85                  | 49.00        | -548.24                | 4,324.13                | 4,476.44                  | 4,398.25          | 78.19   | 57.250             |                    |
| 3,500.00                                                                                 | 3,454.14              | 3,534.43              | 3,534.14              | 12.72                 | 67.58                  | 38.45        | -548.24                | 4,324.13                | 4,454.26                  | 4,373.99          | 80.27   | 55.491             |                    |
| 3,600.00                                                                                 | 3,546.50              | 3,626.43              | 3,626.14              | 13.04                 | 69.25                  | 32.67        | -548.07                | 4,324.13                | 4,422.18                  | 4,339.91          | 82.27   | 53.751             |                    |
| 3,700.00                                                                                 | 3,634.76              | 3,714.05              | 3,713.75              | 13.35                 | 70.83                  | 29.42        | -548.12                | 4,324.13                | 4,380.68                  | 4,296.51          | 84.17   | 52.043             |                    |
| 3,800.00                                                                                 | 3,717.94              | 3,796.62              | 3,796.32              | 13.64                 | 72.33                  | 27.70        | -548.23                | 4,324.13                | 4,330.17                  | 4,244.21          | 85.97   | 50.371             |                    |
| 3,900.00                                                                                 | 3,795.15              | 3,875.45              | 3,875.15              | 13.94                 | 73.82                  | 27.08        | -548.24                | 4,324.13                | 4,271.20                  | 4,183.47          | 87.73   | 48.686             |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,945.14              | 3,944.83              | 14.28                 | 75.14                  | 27.36        | -547.86                | 4,324.13                | 4,204.33                  | 4,115.02          | 89.30   | 47.080             |                    |
| 4,100.00                                                                                 | 3,928.30              | 4,004.76              | 4,004.45              | 14.67                 | 76.27                  | 28.53        | -547.98                | 4,324.13                | 4,130.53                  | 4,039.88          | 90.66   | 45.561             |                    |
| 4,200.00                                                                                 | 3,982.79              | 4,063.11              | 4,062.79              | 15.11                 | 77.38                  | 30.83        | -548.24                | 4,324.13                | 4,050.54                  | 3,958.58          | 91.96   | 44.044             |                    |
| 4,300.00                                                                                 | 4,032.79              | 4,113.11              | 4,112.79              | 15.59                 | 78.31                  | 31.44        | -548.24                | 4,324.13                | 3,967.64                  | 3,874.57          | 93.07   | 42.628             |                    |
| 4,400.00                                                                                 | 4,082.79              | 4,163.11              | 4,162.79              | 16.11                 | 79.24                  | 32.03        | -548.24                | 4,324.13                | 3,884.90                  | 3,790.71          | 94.19   | 41.245             |                    |
| 4,500.00                                                                                 | 4,125.25              | 4,204.73              | 4,204.41              | 16.67                 | 80.01                  | 42.91        | -547.96                | 4,324.13                | 3,798.64                  | 3,703.48          | 95.16   | 39.918             |                    |
| 4,600.00                                                                                 | 4,151.36              | 4,229.83              | 4,229.51              | 17.25                 | 80.48                  | 61.76        | -547.99                | 4,324.13                | 3,706.97                  | 3,611.17          | 95.80   | 38.694             |                    |
| 4,700.00                                                                                 | 4,160.63              | 4,238.74              | 4,238.41              | 17.84                 | 80.64                  | 84.08        | -548.00                | 4,324.13                | 3,612.64                  | 3,516.51          | 96.13   | 37.583             |                    |
| 4,800.00                                                                                 | 4,164.07              | 4,242.05              | 4,241.72              | 18.45                 | 80.70                  | 84.25        | -548.01                | 4,324.13                | 3,518.13                  | 3,421.79          | 96.35   | 36.515             |                    |
| 4,900.00                                                                                 | 4,167.52              | 4,245.36              | 4,245.03              | 19.11                 | 80.77                  | 84.41        | -548.02                | 4,324.13                | 3,423.94                  | 3,327.35          | 96.59   | 35.448             |                    |
| 5,000.00                                                                                 | 4,170.97              | 4,248.66              | 4,248.34              | 19.81                 | 80.83                  | 84.57        | -548.03                | 4,324.13                | 3,330.08                  | 3,233.22          | 96.86   | 34.382             |                    |
| 5,100.00                                                                                 | 4,174.42              | 4,251.97              | 4,251.65              | 20.55                 | 80.89                  | 84.73        | -548.03                | 4,324.13                | 3,236.58                  | 3,139.44          | 97.15   | 33.316             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 6 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                                |          |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|------------------------------------------------|----------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 257-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                                |          |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Rule Assigned: Distance Between Centres (usft) |          | Minimum Separation (usft) | Separation Factor | Warning            |           |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) |                                                |          |                           |                   |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 4,255.28              | 4,254.96              | 21.33                            | 80.95                         | 84.89                 | -548.04                | 4,324.13     | 3,143.48                                       | 3,046.02 | 97.47                     | 32.252            |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 4,258.59              | 4,258.27              | 22.13                            | 81.01                         | 85.06                 | -548.05                | 4,324.13     | 3,050.82                                       | 2,953.00 | 97.81                     | 31.190            |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 4,261.90              | 4,261.57              | 22.96                            | 81.07                         | 85.22                 | -548.06                | 4,324.13     | 2,958.62                                       | 2,860.43 | 98.20                     | 30.129            |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 4,265.21              | 4,264.88              | 23.82                            | 81.13                         | 85.38                 | -548.07                | 4,324.13     | 2,866.95                                       | 2,768.33 | 98.62                     | 29.071            |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 4,268.51              | 4,268.19              | 24.69                            | 81.20                         | 85.54                 | -548.08                | 4,324.13     | 2,775.85                                       | 2,676.77 | 99.08                     | 28.017            |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 4,271.82              | 4,271.50              | 25.59                            | 81.26                         | 85.70                 | -548.09                | 4,324.13     | 2,685.38                                       | 2,585.79 | 99.58                     | 26.966            |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 4,275.13              | 4,274.80              | 26.50                            | 81.32                         | 85.87                 | -548.10                | 4,324.13     | 2,595.60                                       | 2,495.46 | 100.14                    | 25.920            |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 4,278.43              | 4,278.11              | 27.43                            | 81.38                         | 86.03                 | -548.11                | 4,324.13     | 2,506.59                                       | 2,405.84 | 100.75                    | 24.880            |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 4,281.74              | 4,281.41              | 28.37                            | 81.44                         | 86.19                 | -548.12                | 4,324.13     | 2,418.44                                       | 2,317.02 | 101.42                    | 23.846            |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 4,285.04              | 4,284.72              | 29.33                            | 81.50                         | 86.35                 | -548.14                | 4,324.13     | 2,331.24                                       | 2,229.08 | 102.15                    | 22.821            |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 4,288.35              | 4,288.02              | 30.30                            | 81.56                         | 86.52                 | -548.15                | 4,324.13     | 2,245.10                                       | 2,142.14 | 102.96                    | 21.806            |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 4,291.65              | 4,291.33              | 31.28                            | 81.63                         | 86.68                 | -548.16                | 4,324.13     | 2,160.14                                       | 2,056.30 | 103.84                    | 20.802            |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 4,294.96              | 4,294.63              | 32.26                            | 81.69                         | 86.84                 | -548.17                | 4,324.13     | 2,076.53                                       | 1,971.72 | 104.81                    | 19.813            |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 4,298.26              | 4,297.94              | 33.26                            | 81.75                         | 87.00                 | -548.19                | 4,324.13     | 1,994.42                                       | 1,888.55 | 105.87                    | 18.839            |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 4,301.56              | 4,301.24              | 34.27                            | 81.81                         | 87.17                 | -548.20                | 4,324.13     | 1,914.00                                       | 1,806.98 | 107.02                    | 17.884            |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 4,304.87              | 4,304.54              | 35.28                            | 81.87                         | 87.33                 | -548.22                | 4,324.13     | 1,835.51                                       | 1,727.22 | 108.29                    | 16.951            |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 4,313.36              | 4,313.02              | 36.30                            | 82.03                         | 87.75                 | -548.24                | 4,324.13     | 1,759.19                                       | 1,649.43 | 109.76                    | 16.028            |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 4,316.80              | 4,316.47              | 37.32                            | 82.09                         | 87.92                 | -548.24                | 4,324.13     | 1,685.33                                       | 1,574.08 | 111.25                    | 15.150            |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 4,320.25              | 4,319.92              | 38.35                            | 82.16                         | 88.09                 | -548.24                | 4,324.13     | 1,614.28                                       | 1,501.43 | 112.85                    | 14.305            |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 4,323.70              | 4,323.37              | 39.39                            | 82.22                         | 88.26                 | -548.24                | 4,324.13     | 1,546.43                                       | 1,431.86 | 114.57                    | 13.498            |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 4,327.15              | 4,326.81              | 40.43                            | 82.28                         | 88.43                 | -548.24                | 4,324.13     | 1,482.22                                       | 1,365.82 | 116.40                    | 12.734            |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 4,330.59              | 4,330.26              | 41.48                            | 82.35                         | 88.60                 | -548.24                | 4,324.13     | 1,422.14                                       | 1,303.81 | 118.33                    | 12.018            |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 4,334.04              | 4,333.71              | 42.53                            | 82.41                         | 88.77                 | -548.24                | 4,324.13     | 1,366.74                                       | 1,246.40 | 120.34                    | 11.358            |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 4,337.49              | 4,337.16              | 43.58                            | 82.48                         | 88.94                 | -548.24                | 4,324.13     | 1,316.60                                       | 1,194.21 | 122.39                    | 10.757            |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 4,340.94              | 4,340.60              | 44.64                            | 82.54                         | 89.11                 | -548.24                | 4,324.13     | 1,272.34                                       | 1,147.90 | 124.45                    | 10.224            |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 4,344.38              | 4,344.05              | 45.70                            | 82.60                         | 89.28                 | -548.24                | 4,324.13     | 1,234.61                                       | 1,108.15 | 126.46                    | 9.763             |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 4,347.83              | 4,347.50              | 46.76                            | 82.67                         | 89.45                 | -548.24                | 4,324.13     | 1,204.01                                       | 1,075.65 | 128.37                    | 9.379             |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 4,351.28              | 4,350.95              | 47.83                            | 82.73                         | 89.62                 | -548.24                | 4,324.13     | 1,181.11                                       | 1,051.00 | 130.10                    | 9.078             |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 4,354.73              | 4,354.39              | 48.89                            | 82.80                         | 89.79                 | -548.24                | 4,324.13     | 1,166.34                                       | 1,034.74 | 131.60                    | 8.862             |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 4,358.17              | 4,357.84              | 49.97                            | 82.86                         | 89.96                 | -548.24                | 4,324.13     | 1,160.03                                       | 1,027.21 | 132.82                    | 8.734             |                    |           |
| 8,123.52                                                                                 | 4,278.65              | 4,358.99              | 4,358.65              | 50.22                            | 82.88                         | 90.00                 | -548.24                | 4,324.13     | 1,159.79                                       | 1,026.73 | 133.05                    | 8.717 CC, ES      |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 4,361.62              | 4,361.29              | 51.04                            | 82.92                         | 90.13                 | -548.24                | 4,324.13     | 1,162.30                                       | 1,028.60 | 133.70                    | 8.693 SF          |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 4,365.07              | 4,364.74              | 52.12                            | 82.99                         | 90.30                 | -548.24                | 4,324.13     | 1,173.12                                       | 1,038.88 | 134.24                    | 8.739             |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 4,368.52              | 4,368.18              | 53.19                            | 83.05                         | 90.47                 | -548.24                | 4,324.13     | 1,192.25                                       | 1,057.80 | 134.45                    | 8.867             |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 4,371.96              | 4,371.63              | 54.27                            | 83.12                         | 90.64                 | -548.24                | 4,324.13     | 1,219.29                                       | 1,084.94 | 134.36                    | 9.075             |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 4,375.41              | 4,375.08              | 55.36                            | 83.18                         | 90.81                 | -548.24                | 4,324.13     | 1,253.74                                       | 1,119.75 | 134.00                    | 9.357             |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 4,378.86              | 4,378.53              | 56.44                            | 83.25                         | 90.98                 | -548.24                | 4,324.13     | 1,295.01                                       | 1,161.59 | 133.42                    | 9.706             |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 4,382.31              | 4,381.97              | 57.53                            | 83.31                         | 91.15                 | -548.24                | 4,324.13     | 1,342.46                                       | 1,209.77 | 132.69                    | 10.118            |                    |           |
| 8,900.00                                                                                 | 4,305.42              | 4,385.75              | 4,385.42              | 58.61                            | 83.37                         | 91.32                 | -548.24                | 4,324.13     | 1,395.46                                       | 1,263.63 | 131.84                    | 10.585            |                    |           |
| 9,000.00                                                                                 | 4,308.87              | 4,389.20              | 4,388.87              | 59.70                            | 83.44                         | 91.49                 | -548.24                | 4,324.13     | 1,453.42                                       | 1,322.50 | 130.92                    | 11.102            |                    |           |
| 9,100.00                                                                                 | 4,312.32              | 4,392.65              | 4,392.32              | 60.79                            | 83.50                         | 91.66                 | -548.24                | 4,324.13     | 1,515.75                                       | 1,385.79 | 129.96                    | 11.663            |                    |           |
| 9,200.00                                                                                 | 4,315.76              | 4,396.10              | 4,395.76              | 61.88                            | 83.57                         | 91.83                 | -548.24                | 4,324.13     | 1,581.94                                       | 1,452.95 | 128.99                    | 12.264            |                    |           |
| 9,300.00                                                                                 | 4,319.21              | 4,399.54              | 4,399.21              | 62.97                            | 83.63                         | 92.00                 | -548.24                | 4,324.13     | 1,651.54                                       | 1,523.50 | 128.03                    | 12.899            |                    |           |
| 9,400.00                                                                                 | 4,322.66              | 4,402.99              | 4,402.66              | 64.07                            | 83.69                         | 92.17                 | -548.24                | 4,324.13     | 1,724.12                                       | 1,597.02 | 127.10                    | 13.565            |                    |           |
| 9,500.00                                                                                 | 4,326.11              | 4,406.44              | 4,406.11              | 65.16                            | 83.76                         | 92.34                 | -548.24                | 4,324.13     | 1,799.32                                       | 1,673.12 | 126.20                    | 14.258            |                    |           |
| 9,600.00                                                                                 | 4,329.55              | 4,409.89              | 4,409.55              | 66.26                            | 83.82                         | 92.51                 | -548.24                | 4,324.13     | 1,876.84                                       | 1,751.49 | 125.34                    | 14.973            |                    |           |
| 9,700.00                                                                                 | 4,333.00              | 4,413.33              | 4,413.00              | 67.35                            | 83.89                         | 92.68                 | -548.24                | 4,324.13     | 1,956.39                                       | 1,831.85 | 124.53                    | 15.710            |                    |           |
| 9,757.94                                                                                 | 4,335.00              | 4,415.33              | 4,415.00              | 67.99                            | 83.92                         | 92.78                 | -548.24                | 4,324.13     | 2,003.31                                       | 1,879.23 | 124.08                    | 16.145            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 7 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|---------------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 250-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Distance Between Centres (usft) |                         | Minimum Separation (usft) | Separation Factor | Warning            |           |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)          | Between Ellipses (usft) |                           |                   |                    |           |
| 0.00                                                                                     | 0.00                  | 66.00                 | 66.00                 | 0.00                             | 1.25                          | 105.64                | -1,208.60              | 4,316.68     | 4,482.68                        |                         |                           |                   |                    |           |
| 100.00                                                                                   | 100.00                | 166.00                | 166.00                | 0.29                             | 3.15                          | 105.64                | -1,208.60              | 4,316.68     | 4,482.68                        | 4,479.25                | 3.44                      | 1,304.733         |                    |           |
| 200.00                                                                                   | 200.00                | 266.00                | 266.00                | 0.65                             | 5.04                          | 105.64                | -1,208.60              | 4,316.68     | 4,482.68                        | 4,477.00                | 5.68                      | 788.543           |                    |           |
| 260.52                                                                                   | 260.52                | 326.53                | 326.52                | 0.86                             | 6.16                          | 105.64                | -1,208.40              | 4,316.68     | 4,482.63                        | 4,475.60                | 7.03                      | 638.028           |                    |           |
| 300.00                                                                                   | 300.00                | 362.94                | 362.94                | 1.00                             | 6.84                          | 105.64                | -1,208.44              | 4,316.68     | 4,482.64                        | 4,474.80                | 7.84                      | 571.502           |                    |           |
| 400.00                                                                                   | 399.98                | 465.99                | 465.98                | 1.36                             | 8.77                          | 112.63                | -1,208.60              | 4,316.68     | 4,483.35                        | 4,473.23                | 10.13                     | 442.634           |                    |           |
| 500.00                                                                                   | 499.84                | 564.01                | 564.00                | 1.73                             | 10.61                         | 112.65                | -1,208.41              | 4,316.68     | 4,485.32                        | 4,472.99                | 12.33                     | 363.834           |                    |           |
| 600.00                                                                                   | 599.45                | 665.47                | 665.45                | 2.09                             | 12.52                         | 112.70                | -1,208.60              | 4,316.68     | 4,488.74                        | 4,474.14                | 14.60                     | 307.483           |                    |           |
| 700.00                                                                                   | 698.70                | 764.49                | 764.46                | 2.45                             | 14.40                         | 112.75                | -1,208.21              | 4,316.68     | 4,493.38                        | 4,476.54                | 16.84                     | 266.868           |                    |           |
| 800.00                                                                                   | 797.47                | 857.63                | 857.60                | 2.82                             | 16.17                         | 112.82                | -1,208.44              | 4,316.68     | 4,499.56                        | 4,480.59                | 18.97                     | 237.229           |                    |           |
| 900.00                                                                                   | 896.02                | 962.06                | 962.02                | 3.17                             | 18.22                         | 113.03                | -1,208.60              | 4,316.68     | 4,506.29                        | 4,484.91                | 21.37                     | 210.832           |                    |           |
| 1,000.00                                                                                 | 994.57                | 1,058.50              | 1,058.46              | 3.53                             | 20.13                         | 113.22                | -1,208.34              | 4,316.68     | 4,512.96                        | 4,489.31                | 23.65                     | 190.836           |                    |           |
| 1,100.00                                                                                 | 1,093.12              | 1,159.19              | 1,159.12              | 3.89                             | 22.16                         | 113.42                | -1,208.60              | 4,316.68     | 4,519.83                        | 4,493.78                | 26.04                     | 173.544           |                    |           |
| 1,200.00                                                                                 | 1,191.68              | 1,257.02              | 1,256.96              | 4.26                             | 24.28                         | 113.61                | -1,208.10              | 4,316.68     | 4,526.53                        | 4,498.00                | 28.53                     | 158.647           |                    |           |
| 1,300.00                                                                                 | 1,290.23              | 1,345.76              | 1,345.69              | 4.63                             | 26.21                         | 113.79                | -1,208.47              | 4,316.68     | 4,533.56                        | 4,502.73                | 30.82                     | 147.085           |                    |           |
| 1,400.00                                                                                 | 1,388.78              | 1,454.89              | 1,454.78              | 4.99                             | 28.60                         | 114.01                | -1,208.60              | 4,316.68     | 4,540.54                        | 4,506.96                | 33.58                     | 135.232           |                    |           |
| 1,500.00                                                                                 | 1,487.33              | 1,548.72              | 1,548.60              | 5.36                             | 30.65                         | 114.18                | -1,207.92              | 4,316.68     | 4,547.34                        | 4,511.35                | 36.00                     | 126.326           |                    |           |
| 1,600.00                                                                                 | 1,585.88              | 1,652.05              | 1,651.88              | 5.73                             | 32.91                         | 114.39                | -1,208.60              | 4,316.68     | 4,554.61                        | 4,515.99                | 38.62                     | 117.933           |                    |           |
| 1,700.00                                                                                 | 1,684.43              | 1,750.60              | 1,750.43              | 6.10                             | 34.98                         | 114.58                | -1,208.60              | 4,316.68     | 4,561.72                        | 4,520.67                | 41.05                     | 111.118           |                    |           |
| 1,800.00                                                                                 | 1,782.99              | 1,841.85              | 1,841.68              | 6.47                             | 36.89                         | 114.75                | -1,208.21              | 4,316.68     | 4,568.77                        | 4,525.44                | 43.33                     | 105.436           |                    |           |
| 1,900.00                                                                                 | 1,881.54              | 1,947.74              | 1,947.54              | 6.84                             | 39.17                         | 114.96                | -1,208.60              | 4,316.68     | 4,576.11                        | 4,530.13                | 45.97                     | 99.535            |                    |           |
| 2,000.00                                                                                 | 1,980.09              | 2,044.44              | 2,044.24              | 7.21                             | 41.30                         | 115.14                | -1,208.13              | 4,316.68     | 4,583.22                        | 4,534.75                | 48.48                     | 94.548            |                    |           |
| 2,100.00                                                                                 | 2,078.64              | 2,134.91              | 2,134.70              | 7.58                             | 43.30                         | 115.32                | -1,208.49              | 4,316.68     | 4,590.67                        | 4,539.83                | 50.84                     | 90.302            |                    |           |
| 2,200.00                                                                                 | 2,177.19              | 2,243.44              | 2,243.19              | 7.95                             | 45.59                         | 115.53                | -1,208.60              | 4,316.68     | 4,598.06                        | 4,544.56                | 53.50                     | 85.944            |                    |           |
| 2,300.00                                                                                 | 2,275.75              | 2,333.80              | 2,333.53              | 8.32                             | 47.49                         | 115.70                | -1,207.98              | 4,316.68     | 4,605.29                        | 4,549.53                | 55.77                     | 82.584            |                    |           |
| 2,400.00                                                                                 | 2,374.30              | 2,440.58              | 2,440.30              | 8.69                             | 49.71                         | 115.91                | -1,208.60              | 4,316.68     | 4,612.96                        | 4,554.60                | 58.36                     | 79.048            |                    |           |
| 2,500.00                                                                                 | 2,472.85              | 2,537.06              | 2,536.77              | 9.06                             | 51.69                         | 116.09                | -1,208.38              | 4,316.68     | 4,620.41                        | 4,559.71                | 60.70                     | 76.120            |                    |           |
| 2,600.00                                                                                 | 2,571.40              | 2,637.71              | 2,637.40              | 9.43                             | 53.78                         | 116.28                | -1,208.60              | 4,316.68     | 4,628.05                        | 4,564.89                | 63.16                     | 73.277            |                    |           |
| 2,700.00                                                                                 | 2,669.95              | 2,736.27              | 2,735.95              | 9.80                             | 55.91                         | 116.47                | -1,208.60              | 4,316.68     | 4,635.67                        | 4,570.02                | 65.65                     | 70.609            |                    |           |
| 2,800.00                                                                                 | 2,768.50              | 2,827.34              | 2,827.02              | 10.17                            | 57.88                         | 116.63                | -1,207.95              | 4,316.68     | 4,643.13                        | 4,575.14                | 67.99                     | 68.296            |                    |           |
| 2,900.00                                                                                 | 2,867.06              | 2,933.42              | 2,933.06              | 10.54                            | 60.13                         | 116.84                | -1,208.60              | 4,316.68     | 4,651.06                        | 4,580.46                | 70.61                     | 65.873            |                    |           |
| 3,000.00                                                                                 | 2,965.61              | 3,030.02              | 3,029.65              | 10.92                            | 62.05                         | 117.01                | -1,208.22              | 4,316.68     | 4,658.70                        | 4,585.80                | 72.90                     | 63.909            |                    |           |
| 3,100.00                                                                                 | 3,064.16              | 3,130.54              | 3,130.16              | 11.29                            | 64.03                         | 117.20                | -1,208.60              | 4,316.68     | 4,666.65                        | 4,591.41                | 75.24                     | 62.023            |                    |           |
| 3,200.00                                                                                 | 3,162.72              | 3,228.84              | 3,228.45              | 11.66                            | 65.82                         | 109.24                | -1,208.26              | 4,316.68     | 4,674.12                        | 4,596.73                | 77.40                     | 60.389            |                    |           |
| 3,300.00                                                                                 | 3,261.19              | 3,318.96              | 3,318.57              | 12.02                            | 67.47                         | 76.74                 | -1,208.50              | 4,316.68     | 4,674.77                        | 4,595.36                | 79.41                     | 58.870            |                    |           |
| 3,400.00                                                                                 | 3,358.69              | 3,425.08              | 3,424.69              | 12.38                            | 69.65                         | 56.87                 | -1,208.60              | 4,316.68     | 4,665.38                        | 4,583.43                | 81.95                     | 56.927            |                    |           |
| 3,500.00                                                                                 | 3,454.14              | 3,518.25              | 3,517.85              | 12.72                            | 71.61                         | 46.47                 | -1,208.44              | 4,316.68     | 4,646.08                        | 4,561.82                | 84.26                     | 55.137            |                    |           |
| 3,600.00                                                                                 | 3,546.50              | 3,612.94              | 3,612.50              | 13.04                            | 73.69                         | 40.95                 | -1,208.60              | 4,316.68     | 4,617.31                        | 4,530.62                | 86.69                     | 53.262            |                    |           |
| 3,700.00                                                                                 | 3,634.76              | 3,701.19              | 3,700.76              | 13.35                            | 75.90                         | 38.05                 | -1,208.60              | 4,316.68     | 4,579.26                        | 4,490.04                | 89.22                     | 51.325            |                    |           |
| 3,800.00                                                                                 | 3,717.94              | 3,773.33              | 3,772.87              | 13.64                            | 77.70                         | 36.74                 | -1,207.92              | 4,316.68     | 4,532.19                        | 4,440.86                | 91.33                     | 49.624            |                    |           |
| 3,900.00                                                                                 | 3,795.15              | 3,861.68              | 3,861.15              | 13.94                            | 79.88                         | 36.79                 | -1,208.60              | 4,316.68     | 4,477.40                        | 4,383.59                | 93.81                     | 47.729            |                    |           |
| 4,000.00                                                                                 | 3,865.52              | 3,932.05              | 3,931.52              | 14.28                            | 81.57                         | 37.83                 | -1,208.60              | 4,316.68     | 4,414.79                        | 4,319.02                | 95.77                     | 46.098            |                    |           |
| 4,100.00                                                                                 | 3,928.30              | 3,990.35              | 3,989.81              | 14.67                            | 82.96                         | 39.88                 | -1,207.76              | 4,316.68     | 4,345.00                        | 4,247.57                | 97.42                     | 44.599            |                    |           |
| 4,200.00                                                                                 | 3,982.79              | 4,036.08              | 4,035.53              | 15.11                            | 84.06                         | 43.07                 | -1,207.99              | 4,316.68     | 4,269.59                        | 4,170.83                | 98.76                     | 43.231            |                    |           |
| 4,300.00                                                                                 | 4,032.79              | 4,099.40              | 4,098.79              | 15.59                            | 85.57                         | 43.95                 | -1,208.60              | 4,316.68     | 4,191.64                        | 4,091.13                | 100.51                    | 41.704            |                    |           |
| 4,400.00                                                                                 | 4,082.79              | 4,149.40              | 4,148.79              | 16.11                            | 86.74                         | 44.61                 | -1,208.60              | 4,316.68     | 4,113.80                        | 4,011.87                | 101.93                    | 40.360            |                    |           |
| 4,500.00                                                                                 | 4,125.25              | 4,191.85              | 4,191.25              | 16.67                            | 87.73                         | 55.73                 | -1,208.60              | 4,316.68     | 4,032.93                        | 3,929.74                | 103.19                    | 39.084            |                    |           |
| 4,600.00                                                                                 | 4,151.36              | 4,217.97              | 4,217.36              | 17.25                            | 88.34                         | 71.25                 | -1,208.60              | 4,316.68     | 3,947.14                        | 3,843.08                | 104.06                    | 37.933            |                    |           |
| 4,700.00                                                                                 | 4,160.63              | 4,226.22              | 4,225.61              | 17.84                            | 88.54                         | 86.28                 | -1,207.92              | 4,316.68     | 3,858.85                        | 3,754.35                | 104.50                    | 36.926            |                    |           |
| 4,800.00                                                                                 | 4,164.07              | 4,229.22              | 4,228.61              | 18.45                            | 88.61                         | 86.37                 | -1,207.93              | 4,316.68     | 3,771.01                        | 3,666.16                | 104.84                    | 35.969            |                    |           |
| 4,900.00                                                                                 | 4,167.52              | 4,232.22              | 4,231.61              | 19.11                            | 88.68                         | 86.47                 | -1,207.93              | 4,316.68     | 3,683.78                        | 3,578.57                | 105.21                    | 35.012            |                    |           |
| 5,000.00                                                                                 | 4,170.97              | 4,235.22              | 4,234.60              | 19.81                            | 88.75                         | 86.56                 | -1,207.93              | 4,316.68     | 3,597.22                        | 3,491.60                | 105.62                    | 34.057            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 7 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                |        |                       |                                     |              |                        |                         |                   |         | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------|--------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|-------------------|---------|--------------------|
| Survey Program: 250-INC-ONLY                                                             |                       |                       |                       |                |        |                       |                                     |              |                        |                         |                   |         | Offset Well Error: |
| Reference                                                                                | Offset                | Semi Major Axis       |                       | Rule Assigned: |        | Distance              |                                     | Minimum      |                        | Separation              |                   | Warning |                    |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference      | Offset | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Separation (usft) | Factor  |                    |
| 5,100.00                                                                                 | 4,174.42              | 4,238.21              | 4,237.60              | 20.55          | 88.82  | 86.65                 | -1,207.94                           | 4,316.68     | 3,511.37               | 3,405.30                | 106.07            | 33.104  |                    |
| 5,200.00                                                                                 | 4,177.86              | 4,241.21              | 4,240.59              | 21.33          | 88.89  | 86.75                 | -1,207.94                           | 4,316.68     | 3,426.28               | 3,319.72                | 106.56            | 32.154  |                    |
| 5,300.00                                                                                 | 4,181.31              | 4,244.20              | 4,243.59              | 22.13          | 88.96  | 86.84                 | -1,207.95                           | 4,316.68     | 3,342.02               | 3,234.93                | 107.09            | 31.208  |                    |
| 5,400.00                                                                                 | 4,184.76              | 4,247.20              | 4,246.58              | 22.96          | 89.03  | 86.94                 | -1,207.95                           | 4,316.68     | 3,258.64               | 3,150.97                | 107.67            | 30.266  |                    |
| 5,500.00                                                                                 | 4,188.21              | 4,250.19              | 4,249.57              | 23.82          | 89.10  | 87.03                 | -1,207.96                           | 4,316.68     | 3,176.22               | 3,067.93                | 108.29            | 29.330  |                    |
| 5,600.00                                                                                 | 4,191.65              | 4,253.18              | 4,252.57              | 24.69          | 89.17  | 87.12                 | -1,207.97                           | 4,316.68     | 3,094.84               | 2,985.86                | 108.97            | 28.401  |                    |
| 5,700.00                                                                                 | 4,195.10              | 4,256.18              | 4,255.56              | 25.59          | 89.24  | 87.22                 | -1,207.98                           | 4,316.68     | 3,014.57               | 2,904.86                | 109.70            | 27.480  |                    |
| 5,800.00                                                                                 | 4,198.55              | 4,259.17              | 4,258.55              | 26.50          | 89.31  | 87.31                 | -1,207.99                           | 4,316.68     | 2,935.50               | 2,825.02                | 110.49            | 26.568  |                    |
| 5,900.00                                                                                 | 4,202.00              | 4,262.16              | 4,261.54              | 27.43          | 89.38  | 87.41                 | -1,208.00                           | 4,316.68     | 2,857.75               | 2,746.42                | 111.33            | 25.669  |                    |
| 6,000.00                                                                                 | 4,205.44              | 4,265.15              | 4,264.53              | 28.37          | 89.45  | 87.50                 | -1,208.01                           | 4,316.68     | 2,781.42               | 2,669.18                | 112.24            | 24.782  |                    |
| 6,100.00                                                                                 | 4,208.89              | 4,268.14              | 4,267.52              | 29.33          | 89.52  | 87.59                 | -1,208.02                           | 4,316.68     | 2,706.62               | 2,593.42                | 113.20            | 23.909  |                    |
| 6,200.00                                                                                 | 4,212.34              | 4,271.12              | 4,270.51              | 30.30          | 89.59  | 87.69                 | -1,208.03                           | 4,316.68     | 2,633.49               | 2,519.26                | 114.23            | 23.053  |                    |
| 6,300.00                                                                                 | 4,215.79              | 4,274.11              | 4,273.49              | 31.28          | 89.66  | 87.78                 | -1,208.05                           | 4,316.68     | 2,562.18               | 2,446.85                | 115.33            | 22.216  |                    |
| 6,400.00                                                                                 | 4,219.23              | 4,277.10              | 4,276.48              | 32.26          | 89.73  | 87.88                 | -1,208.06                           | 4,316.68     | 2,492.83               | 2,376.34                | 116.49            | 21.399  |                    |
| 6,500.00                                                                                 | 4,222.68              | 4,280.08              | 4,279.47              | 33.26          | 89.80  | 87.97                 | -1,208.08                           | 4,316.68     | 2,425.62               | 2,307.91                | 117.72            | 20.606  |                    |
| 6,600.00                                                                                 | 4,226.13              | 4,283.07              | 4,282.45              | 34.27          | 89.87  | 88.06                 | -1,208.09                           | 4,316.68     | 2,360.73               | 2,241.73                | 119.01            | 19.837  |                    |
| 6,700.00                                                                                 | 4,229.58              | 4,286.06              | 4,285.44              | 35.28          | 89.94  | 88.16                 | -1,208.11                           | 4,316.68     | 2,298.36               | 2,178.00                | 120.36            | 19.096  |                    |
| 6,800.00                                                                                 | 4,233.02              | 4,289.04              | 4,288.42              | 36.30          | 90.01  | 88.25                 | -1,208.13                           | 4,316.68     | 2,238.71               | 2,116.94                | 121.77            | 18.385  |                    |
| 6,900.00                                                                                 | 4,236.47              | 4,292.02              | 4,291.40              | 37.32          | 90.08  | 88.34                 | -1,208.14                           | 4,316.68     | 2,182.01               | 2,058.78                | 123.24            | 17.706  |                    |
| 7,000.00                                                                                 | 4,239.92              | 4,295.01              | 4,294.39              | 38.35          | 90.15  | 88.44                 | -1,208.16                           | 4,316.68     | 2,128.50               | 2,003.75                | 124.75            | 17.062  |                    |
| 7,100.00                                                                                 | 4,243.37              | 4,297.99              | 4,297.37              | 39.39          | 90.22  | 88.53                 | -1,208.18                           | 4,316.68     | 2,078.42               | 1,952.12                | 126.30            | 16.456  |                    |
| 7,200.00                                                                                 | 4,246.81              | 4,300.97              | 4,300.35              | 40.43          | 90.29  | 88.63                 | -1,208.20                           | 4,316.68     | 2,032.02               | 1,904.14                | 127.88            | 15.890  |                    |
| 7,300.00                                                                                 | 4,250.26              | 4,303.95              | 4,303.33              | 41.48          | 90.36  | 88.72                 | -1,208.22                           | 4,316.68     | 1,989.57               | 1,860.09                | 129.48            | 15.366  |                    |
| 7,400.00                                                                                 | 4,253.71              | 4,306.93              | 4,306.31              | 42.53          | 90.43  | 88.81                 | -1,208.25                           | 4,316.68     | 1,951.32               | 1,820.24                | 131.08            | 14.886  |                    |
| 7,500.00                                                                                 | 4,257.16              | 4,309.91              | 4,309.29              | 43.58          | 90.49  | 88.91                 | -1,208.27                           | 4,316.68     | 1,917.51               | 1,784.85                | 132.66            | 14.454  |                    |
| 7,600.00                                                                                 | 4,260.60              | 4,312.89              | 4,312.26              | 44.64          | 90.56  | 89.00                 | -1,208.29                           | 4,316.68     | 1,888.40               | 1,754.19                | 134.22            | 14.070  |                    |
| 7,700.00                                                                                 | 4,264.05              | 4,315.86              | 4,315.24              | 45.70          | 90.63  | 89.09                 | -1,208.32                           | 4,316.68     | 1,864.20               | 1,728.49                | 135.72            | 13.736  |                    |
| 7,800.00                                                                                 | 4,267.50              | 4,318.84              | 4,318.22              | 46.76          | 90.70  | 89.19                 | -1,208.34                           | 4,316.68     | 1,845.11               | 1,707.97                | 137.14            | 13.454  |                    |
| 7,900.00                                                                                 | 4,270.95              | 4,321.82              | 4,321.19              | 47.83          | 90.77  | 89.28                 | -1,208.37                           | 4,316.68     | 1,831.28               | 1,692.80                | 138.48            | 13.224  |                    |
| 8,000.00                                                                                 | 4,274.39              | 4,324.79              | 4,324.17              | 48.89          | 90.84  | 89.38                 | -1,208.39                           | 4,316.68     | 1,822.83               | 1,683.12                | 139.71            | 13.047  |                    |
| 8,100.00                                                                                 | 4,277.84              | 4,327.77              | 4,327.14              | 49.97          | 90.91  | 89.47                 | -1,208.42                           | 4,316.68     | 1,819.84               | 1,679.02                | 140.82            | 12.923  |                    |
| 8,104.52                                                                                 | 4,278.00              | 4,327.90              | 4,327.28              | 50.01          | 90.92  | 89.47                 | -1,208.42                           | 4,316.68     | 1,819.83               | 1,678.96                | 140.87            | 12.919  | CC, ES             |
| 8,200.00                                                                                 | 4,281.29              | 4,347.96              | 4,347.29              | 51.04          | 91.39  | 90.10                 | -1,208.60                           | 4,316.68     | 1,822.40               | 1,680.18                | 142.23            | 12.813  |                    |
| 8,300.00                                                                                 | 4,284.74              | 4,351.41              | 4,350.74              | 52.12          | 91.47  | 90.21                 | -1,208.60                           | 4,316.68     | 1,830.33               | 1,687.25                | 143.08            | 12.792  | SF                 |
| 8,400.00                                                                                 | 4,288.18              | 4,354.86              | 4,354.18              | 53.19          | 91.56  | 90.32                 | -1,208.60                           | 4,316.68     | 1,843.64               | 1,699.86                | 143.79            | 12.822  |                    |
| 8,500.00                                                                                 | 4,291.63              | 4,358.31              | 4,357.63              | 54.27          | 91.64  | 90.43                 | -1,208.60                           | 4,316.68     | 1,862.24               | 1,717.88                | 144.35            | 12.901  |                    |
| 8,600.00                                                                                 | 4,295.08              | 4,361.75              | 4,361.08              | 55.36          | 91.73  | 90.54                 | -1,208.60                           | 4,316.68     | 1,885.95               | 1,741.17                | 144.78            | 13.027  |                    |
| 8,700.00                                                                                 | 4,298.53              | 4,365.20              | 4,364.53              | 56.44          | 91.81  | 90.65                 | -1,208.60                           | 4,316.68     | 1,914.59               | 1,769.52                | 145.07            | 13.198  |                    |
| 8,800.00                                                                                 | 4,301.97              | 4,368.65              | 4,367.97              | 57.53          | 91.90  | 90.75                 | -1,208.60                           | 4,316.68     | 1,947.94               | 1,802.70                | 145.24            | 13.412  |                    |
| 8,900.00                                                                                 | 4,305.42              | 4,372.10              | 4,371.42              | 58.61          | 91.98  | 90.86                 | -1,208.60                           | 4,316.68     | 1,985.77               | 1,840.47                | 145.30            | 13.667  |                    |
| 9,000.00                                                                                 | 4,308.87              | 4,375.54              | 4,374.87              | 59.70          | 92.07  | 90.97                 | -1,208.60                           | 4,316.68     | 2,027.82               | 1,882.57                | 145.25            | 13.960  |                    |
| 9,100.00                                                                                 | 4,312.32              | 4,378.99              | 4,378.32              | 60.79          | 92.15  | 91.08                 | -1,208.60                           | 4,316.68     | 2,073.84               | 1,928.71                | 145.13            | 14.290  |                    |
| 9,200.00                                                                                 | 4,315.76              | 4,382.44              | 4,381.76              | 61.88          | 92.24  | 91.19                 | -1,208.60                           | 4,316.68     | 2,123.57               | 1,978.64                | 144.93            | 14.652  |                    |
| 9,300.00                                                                                 | 4,319.21              | 4,385.89              | 4,385.21              | 62.97          | 92.32  | 91.30                 | -1,208.60                           | 4,316.68     | 2,176.75               | 2,032.08                | 144.67            | 15.046  |                    |
| 9,400.00                                                                                 | 4,322.66              | 4,389.33              | 4,388.66              | 64.07          | 92.41  | 91.40                 | -1,208.60                           | 4,316.68     | 2,233.14               | 2,088.78                | 144.36            | 15.469  |                    |
| 9,500.00                                                                                 | 4,326.11              | 4,392.78              | 4,392.11              | 65.16          | 92.49  | 91.51                 | -1,208.60                           | 4,316.68     | 2,292.51               | 2,148.49                | 144.02            | 15.918  |                    |
| 9,600.00                                                                                 | 4,329.55              | 4,396.23              | 4,395.55              | 66.26          | 92.58  | 91.62                 | -1,208.60                           | 4,316.68     | 2,354.62               | 2,210.98                | 143.64            | 16.392  |                    |
| 9,700.00                                                                                 | 4,333.00              | 4,399.68              | 4,399.00              | 67.35          | 92.66  | 91.73                 | -1,208.60                           | 4,316.68     | 2,419.27               | 2,276.02                | 143.24            | 16.889  |                    |
| 9,757.94                                                                                 | 4,335.00              | 4,401.67              | 4,401.00              | 67.99          | 92.71  | 91.79                 | -1,208.60                           | 4,316.68     | 2,457.80               | 2,314.79                | 143.01            | 17.187  |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 8 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|---------------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 428-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Distance Between Centres (usft) |                         | Minimum Separation (usft) | Separation Factor | Warning            |           |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)          | Between Ellipses (usft) |                           |                   |                    |           |
| 0.00                                                                                     | 0.00                  | 77.00                 | 77.00                 | 0.00                             | 1.38                          | 98.68                 | -559.40                | 3,663.79     | 3,706.25                        |                         |                           |                   |                    |           |
| 100.00                                                                                   | 100.00                | 177.00                | 177.00                | 0.29                             | 3.18                          | 98.68                 | -559.40                | 3,663.79     | 3,706.25                        | 3,702.78                | 3.47                      | 1,069.021         |                    |           |
| 200.00                                                                                   | 200.00                | 277.00                | 277.00                | 0.65                             | 4.98                          | 98.68                 | -559.40                | 3,663.79     | 3,706.25                        | 3,700.63                | 5.62                      | 659.238           |                    |           |
| 300.00                                                                                   | 300.00                | 377.00                | 377.00                | 1.00                             | 6.77                          | 98.68                 | -559.40                | 3,663.79     | 3,706.25                        | 3,698.47                | 7.78                      | 476.561           |                    |           |
| 400.00                                                                                   | 399.98                | 476.98                | 476.98                | 1.36                             | 8.57                          | 105.68                | -559.40                | 3,663.79     | 3,706.72                        | 3,696.79                | 9.93                      | 373.235           |                    |           |
| 500.00                                                                                   | 499.84                | 576.23                | 576.23                | 1.73                             | 10.35                         | 105.73                | -559.25                | 3,663.79     | 3,708.12                        | 3,696.05                | 12.07                     | 307.167           |                    |           |
| 600.00                                                                                   | 599.45                | 676.46                | 676.45                | 2.09                             | 12.15                         | 105.82                | -559.40                | 3,663.79     | 3,710.52                        | 3,696.29                | 14.23                     | 260.744           |                    |           |
| 700.00                                                                                   | 698.70                | 775.08                | 775.08                | 2.45                             | 13.93                         | 105.93                | -559.27                | 3,663.79     | 3,713.85                        | 3,697.49                | 16.36                     | 226.991           |                    |           |
| 800.00                                                                                   | 797.47                | 874.48                | 874.47                | 2.82                             | 15.72                         | 106.09                | -559.40                | 3,663.79     | 3,718.23                        | 3,699.71                | 18.52                     | 200.793           |                    |           |
| 900.00                                                                                   | 896.02                | 972.82                | 972.81                | 3.17                             | 17.51                         | 106.33                | -559.22                | 3,663.79     | 3,723.00                        | 3,702.33                | 20.67                     | 180.093           |                    |           |
| 1,000.00                                                                                 | 994.57                | 1,069.82              | 1,069.81              | 3.53                             | 19.28                         | 106.58                | -559.37                | 3,663.79     | 3,727.89                        | 3,705.09                | 22.80                     | 163.469           |                    |           |
| 1,100.00                                                                                 | 1,093.12              | 1,170.14              | 1,170.12              | 3.89                             | 21.09                         | 106.83                | -559.40                | 3,663.79     | 3,732.84                        | 3,707.86                | 24.98                     | 149.456           |                    |           |
| 1,200.00                                                                                 | 1,191.68              | 1,266.01              | 1,265.99              | 4.26                             | 22.81                         | 107.06                | -559.34                | 3,663.79     | 3,737.84                        | 3,710.77                | 27.07                     | 138.105           |                    |           |
| 1,300.00                                                                                 | 1,290.23              | 1,367.25              | 1,367.23              | 4.63                             | 24.68                         | 107.32                | -559.40                | 3,663.79     | 3,742.93                        | 3,713.63                | 29.30                     | 127.745           |                    |           |
| 1,400.00                                                                                 | 1,388.78              | 1,465.27              | 1,465.25              | 4.99                             | 26.50                         | 107.56                | -559.32                | 3,663.79     | 3,748.06                        | 3,716.58                | 31.48                     | 119.052           |                    |           |
| 1,500.00                                                                                 | 1,487.33              | 1,564.37              | 1,564.33              | 5.36                             | 28.41                         | 107.80                | -559.40                | 3,663.79     | 3,753.30                        | 3,719.54                | 33.76                     | 111.176           |                    |           |
| 1,600.00                                                                                 | 1,585.88              | 1,661.85              | 1,661.81              | 5.73                             | 30.43                         | 108.04                | -558.99                | 3,663.79     | 3,758.51                        | 3,722.35                | 36.15                     | 103.964           |                    |           |
| 1,700.00                                                                                 | 1,684.43              | 1,761.51              | 1,761.43              | 6.10                             | 32.51                         | 108.29                | -559.40                | 3,663.79     | 3,763.94                        | 3,725.35                | 38.59                     | 97.524            |                    |           |
| 1,800.00                                                                                 | 1,782.99              | 1,860.06              | 1,859.99              | 6.47                             | 34.60                         | 108.53                | -559.40                | 3,663.79     | 3,769.37                        | 3,728.31                | 41.06                     | 91.810            |                    |           |
| 1,900.00                                                                                 | 1,881.54              | 1,956.86              | 1,956.77              | 6.84                             | 36.66                         | 108.75                | -558.37                | 3,663.79     | 3,774.65                        | 3,731.17                | 43.48                     | 86.813            |                    |           |
| 2,000.00                                                                                 | 1,980.09              | 2,050.15              | 2,050.05              | 7.21                             | 38.64                         | 108.99                | -558.89                | 3,663.79     | 3,780.33                        | 3,734.50                | 45.83                     | 82.487            |                    |           |
| 2,100.00                                                                                 | 2,078.64              | 2,155.79              | 2,155.64              | 7.58                             | 40.88                         | 109.25                | -559.40                | 3,663.79     | 3,786.06                        | 3,737.62                | 48.43                     | 78.169            |                    |           |
| 2,200.00                                                                                 | 2,177.19              | 2,250.96              | 2,250.80              | 7.95                             | 42.89                         | 109.48                | -559.12                | 3,663.79     | 3,791.70                        | 3,740.89                | 50.81                     | 74.624            |                    |           |
| 2,300.00                                                                                 | 2,275.75              | 2,352.93              | 2,352.75              | 8.32                             | 45.10                         | 109.73                | -559.40                | 3,663.79     | 3,797.52                        | 3,744.14                | 53.39                     | 71.133            |                    |           |
| 2,400.00                                                                                 | 2,374.30              | 2,445.44              | 2,445.25              | 8.69                             | 47.14                         | 109.95                | -559.12                | 3,663.79     | 3,803.30                        | 3,747.50                | 55.80                     | 68.160            |                    |           |
| 2,500.00                                                                                 | 2,472.85              | 2,550.07              | 2,549.85              | 9.06                             | 49.47                         | 110.20                | -559.40                | 3,663.79     | 3,809.25                        | 3,750.76                | 58.49                     | 65.124            |                    |           |
| 2,600.00                                                                                 | 2,571.40              | 2,643.70              | 2,643.46              | 9.43                             | 51.55                         | 110.42                | -558.96                | 3,663.79     | 3,815.12                        | 3,754.17                | 60.94                     | 62.600            |                    |           |
| 2,700.00                                                                                 | 2,669.95              | 2,747.23              | 2,746.95              | 9.80                             | 53.81                         | 110.67                | -559.40                | 3,663.79     | 3,821.25                        | 3,757.67                | 63.58                     | 60.106            |                    |           |
| 2,800.00                                                                                 | 2,768.50              | 2,845.78              | 2,845.50              | 10.17                            | 55.92                         | 110.91                | -559.40                | 3,663.79     | 3,827.35                        | 3,761.29                | 66.05                     | 57.943            |                    |           |
| 2,900.00                                                                                 | 2,867.06              | 2,942.28              | 2,941.99              | 10.54                            | 57.99                         | 111.12                | -558.35                | 3,663.79     | 3,833.25                        | 3,764.76                | 68.49                     | 55.970            |                    |           |
| 3,000.00                                                                                 | 2,965.61              | 3,036.02              | 3,035.73              | 10.92                            | 60.00                         | 111.35                | -558.79                | 3,663.79     | 3,839.58                        | 3,768.72                | 70.86                     | 54.184            |                    |           |
| 3,100.00                                                                                 | 3,064.16              | 3,141.50              | 3,141.16              | 11.29                            | 62.15                         | 111.61                | -559.40                | 3,663.79     | 3,846.03                        | 3,772.64                | 73.38                     | 52.412            |                    |           |
| 3,200.00                                                                                 | 3,162.72              | 3,237.26              | 3,236.91              | 11.66                            | 63.91                         | 113.69                | -559.08                | 3,663.79     | 3,852.02                        | 3,776.51                | 75.51                     | 51.011            |                    |           |
| 3,300.00                                                                                 | 3,261.19              | 3,338.55              | 3,338.19              | 12.02                            | 65.74                         | 71.29                 | -559.40                | 3,663.79     | 3,850.99                        | 3,773.28                | 77.71                     | 49.555            |                    |           |
| 3,400.00                                                                                 | 3,358.69              | 3,435.66              | 3,435.30              | 12.38                            | 67.44                         | 51.40                 | -559.32                | 3,663.79     | 3,839.68                        | 3,759.91                | 79.77                     | 48.134            |                    |           |
| 3,500.00                                                                                 | 3,454.14              | 3,531.50              | 3,531.14              | 12.72                            | 69.12                         | 40.97                 | -559.40                | 3,663.79     | 3,818.38                        | 3,736.58                | 81.80                     | 46.680            |                    |           |
| 3,600.00                                                                                 | 3,546.50              | 3,623.86              | 3,623.50              | 13.04                            | 70.74                         | 35.33                 | -559.40                | 3,663.79     | 3,787.29                        | 3,703.53                | 83.76                     | 45.218            |                    |           |
| 3,700.00                                                                                 | 3,634.76              | 3,709.61              | 3,709.25              | 13.35                            | 72.24                         | 32.25                 | -559.18                | 3,663.79     | 3,746.74                        | 3,661.16                | 85.58                     | 43.780            |                    |           |
| 3,800.00                                                                                 | 3,717.94              | 3,795.31              | 3,794.94              | 13.64                            | 73.73                         | 30.79                 | -559.40                | 3,663.79     | 3,697.38                        | 3,610.01                | 87.37                     | 42.321            |                    |           |
| 3,900.00                                                                                 | 3,795.15              | 3,872.51              | 3,872.15              | 13.94                            | 75.02                         | 30.48                 | -559.40                | 3,663.79     | 3,639.60                        | 3,550.66                | 88.93                     | 40.925            |                    |           |
| 4,000.00                                                                                 | 3,865.52              | 3,941.98              | 3,941.62              | 14.28                            | 76.17                         | 31.15                 | -559.34                | 3,663.79     | 3,574.09                        | 3,483.74                | 90.35                     | 39.558            |                    |           |
| 4,100.00                                                                                 | 3,928.30              | 4,005.66              | 4,005.30              | 14.67                            | 77.24                         | 32.85                 | -559.40                | 3,663.79     | 3,501.66                        | 3,410.00                | 91.65                     | 38.205            |                    |           |
| 4,200.00                                                                                 | 3,982.79              | 4,060.15              | 4,059.79              | 15.11                            | 78.18                         | 35.72                 | -559.40                | 3,663.79     | 3,423.05                        | 3,330.24                | 92.81                     | 36.883            |                    |           |
| 4,300.00                                                                                 | 4,032.79              | 4,110.10              | 4,109.73              | 15.59                            | 79.04                         | 36.51                 | -559.31                | 3,663.79     | 3,341.67                        | 3,247.81                | 93.87                     | 35.600            |                    |           |
| 4,400.00                                                                                 | 4,082.79              | 4,159.33              | 4,158.97              | 16.11                            | 79.88                         | 37.27                 | -559.33                | 3,663.79     | 3,260.60                        | 3,165.67                | 94.93                     | 34.348            |                    |           |
| 4,500.00                                                                                 | 4,125.25              | 4,201.13              | 4,200.77              | 16.67                            | 80.60                         | 48.66                 | -559.38                | 3,663.79     | 3,176.29                        | 3,080.42                | 95.87                     | 33.130            |                    |           |
| 4,600.00                                                                                 | 4,151.36              | 4,228.73              | 4,228.36              | 17.25                            | 81.11                         | 66.50                 | -559.40                | 3,663.79     | 3,086.76                        | 2,990.17                | 96.59                     | 31.956            |                    |           |
| 4,700.00                                                                                 | 4,160.63              | 4,237.99              | 4,237.63              | 17.84                            | 81.30                         | 85.31                 | -559.40                | 3,663.79     | 2,994.82                        | 2,897.84                | 96.98                     | 30.880            |                    |           |
| 4,800.00                                                                                 | 4,164.07              | 4,241.44              | 4,241.07              | 18.45                            | 81.37                         | 85.48                 | -559.40                | 3,663.79     | 2,902.94                        | 2,805.67                | 97.27                     | 29.844            |                    |           |
| 4,900.00                                                                                 | 4,167.52              | 4,244.89              | 4,244.52              | 19.11                            | 81.44                         | 85.65                 | -559.40                | 3,663.79     | 2,811.61                        | 2,714.02                | 97.59                     | 28.811            |                    |           |
| 5,000.00                                                                                 | 4,170.97              | 4,248.34              | 4,247.97              | 19.81                            | 81.51                         | 85.82                 | -559.40                | 3,663.79     | 2,720.89                        | 2,622.95                | 97.94                     | 27.782            |                    |           |
| 5,100.00                                                                                 | 4,174.42              | 4,251.78              | 4,251.42              | 20.55                            | 81.58                         | 85.99                 | -559.40                | 3,663.79     | 2,630.83                        | 2,532.50                | 98.33                     | 26.755            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 8 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |                    |           |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|--------------------|-----------|
| Survey Program: 428-INC-ONLY                                                             |                       | Reference             |                       | Offset           |               | Semi Major Axis       |              | Highside     |                        | Offset Wellbore Centre  |                           | Rule Assigned:    |                    | Distance  | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 4,255.23              | 4,254.86              | 21.33            | 81.65         | 86.16                 | -559.40      | 3,663.79     | 2,541.51               | 2,442.74                | 98.76                     | 25.733            |                    |           |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 4,258.68              | 4,258.31              | 22.13            | 81.72         | 86.32                 | -559.40      | 3,663.79     | 2,453.01               | 2,353.76                | 99.25                     | 24.716            |                    |           |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 4,262.13              | 4,261.76              | 22.96            | 81.79         | 86.49                 | -559.40      | 3,663.79     | 2,365.42               | 2,265.64                | 99.78                     | 23.706            |                    |           |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 4,265.57              | 4,265.21              | 23.82            | 81.86         | 86.66                 | -559.40      | 3,663.79     | 2,278.85               | 2,178.47                | 100.38                    | 22.703            |                    |           |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 4,269.02              | 4,268.65              | 24.69            | 81.93         | 86.83                 | -559.40      | 3,663.79     | 2,193.42               | 2,092.38                | 101.04                    | 21.709            |                    |           |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 4,272.47              | 4,272.10              | 25.59            | 82.00         | 87.00                 | -559.40      | 3,663.79     | 2,109.26               | 2,007.49                | 101.77                    | 20.726            |                    |           |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 4,275.92              | 4,275.55              | 26.50            | 82.07         | 87.17                 | -559.40      | 3,663.79     | 2,026.53               | 1,923.95                | 102.58                    | 19.756            |                    |           |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 4,279.36              | 4,279.00              | 27.43            | 82.14         | 87.34                 | -559.40      | 3,663.79     | 1,945.42               | 1,841.95                | 103.47                    | 18.802            |                    |           |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 4,282.81              | 4,282.44              | 28.37            | 82.21         | 87.51                 | -559.40      | 3,663.79     | 1,866.14               | 1,761.69                | 104.46                    | 17.865            |                    |           |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 4,286.26              | 4,285.89              | 29.33            | 82.28         | 87.68                 | -559.40      | 3,663.79     | 1,788.94               | 1,683.40                | 105.54                    | 16.950            |                    |           |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 4,289.71              | 4,289.34              | 30.30            | 82.35         | 87.85                 | -559.40      | 3,663.79     | 1,714.08               | 1,607.35                | 106.73                    | 16.060            |                    |           |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 4,293.15              | 4,292.79              | 31.28            | 82.42         | 88.02                 | -559.40      | 3,663.79     | 1,641.89               | 1,533.87                | 108.02                    | 15.200            |                    |           |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 4,296.60              | 4,296.23              | 32.26            | 82.49         | 88.19                 | -559.40      | 3,663.79     | 1,572.75               | 1,463.33                | 109.42                    | 14.373            |                    |           |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 4,300.05              | 4,299.68              | 33.26            | 82.56         | 88.36                 | -559.40      | 3,663.79     | 1,507.07               | 1,396.13                | 110.93                    | 13.585            |                    |           |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 4,303.50              | 4,303.13              | 34.27            | 82.63         | 88.53                 | -559.40      | 3,663.79     | 1,445.31               | 1,332.77                | 112.55                    | 12.842            |                    |           |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 4,306.94              | 4,306.58              | 35.28            | 82.70         | 88.70                 | -559.40      | 3,663.79     | 1,388.01               | 1,273.77                | 114.24                    | 12.150            |                    |           |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 4,310.39              | 4,310.02              | 36.30            | 82.77         | 88.87                 | -559.40      | 3,663.79     | 1,335.74               | 1,219.74                | 116.01                    | 11.514            |                    |           |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 4,313.84              | 4,313.47              | 37.32            | 82.84         | 89.04                 | -559.40      | 3,663.79     | 1,289.11               | 1,171.31                | 117.81                    | 10.943            |                    |           |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 4,317.29              | 4,316.92              | 38.35            | 82.91         | 89.21                 | -559.40      | 3,663.79     | 1,248.76               | 1,129.16                | 119.60                    | 10.441            |                    |           |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 4,320.73              | 4,320.37              | 39.39            | 82.98         | 89.38                 | -559.40      | 3,663.79     | 1,215.30               | 1,093.95                | 121.35                    | 10.015            |                    |           |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 4,324.18              | 4,323.81              | 40.43            | 83.05         | 89.55                 | -559.40      | 3,663.79     | 1,189.33               | 1,066.34                | 122.99                    | 9.670             |                    |           |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 4,327.63              | 4,327.26              | 41.48            | 83.12         | 89.72                 | -559.40      | 3,663.79     | 1,171.33               | 1,046.87                | 124.46                    | 9.411             |                    |           |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 4,331.08              | 4,330.71              | 42.53            | 83.19         | 89.89                 | -559.40      | 3,663.79     | 1,161.68               | 1,035.96                | 125.72                    | 9.241             |                    |           |                    |           |
| 7,462.69                                                                                 | 4,255.87              | 4,333.24              | 4,332.87              | 43.19            | 83.23         | 90.00                 | -559.40      | 3,663.79     | 1,159.99               | 1,033.61                | 126.37                    | 9.179 CC, ES      |                    |           |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 4,334.52              | 4,334.16              | 43.58            | 83.26         | 90.06                 | -559.40      | 3,663.79     | 1,160.59               | 1,033.87                | 126.71                    | 9.159 SF          |                    |           |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 4,337.97              | 4,337.60              | 44.64            | 83.33         | 90.23                 | -559.40      | 3,663.79     | 1,168.08               | 1,040.64                | 127.43                    | 9.166             |                    |           |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 4,341.42              | 4,341.05              | 45.70            | 83.40         | 90.40                 | -559.40      | 3,663.79     | 1,183.98               | 1,056.12                | 127.86                    | 9.260             |                    |           |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 4,344.87              | 4,344.50              | 46.76            | 83.47         | 90.57                 | -559.40      | 3,663.79     | 1,207.98               | 1,079.96                | 128.02                    | 9.436             |                    |           |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 4,348.31              | 4,347.95              | 47.83            | 83.54         | 90.74                 | -559.40      | 3,663.79     | 1,239.59               | 1,111.65                | 127.94                    | 9.689             |                    |           |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 4,351.76              | 4,351.39              | 48.89            | 83.61         | 90.91                 | -559.40      | 3,663.79     | 1,278.25               | 1,150.60                | 127.65                    | 10.014            |                    |           |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 4,355.21              | 4,354.84              | 49.97            | 83.68         | 91.08                 | -559.40      | 3,663.79     | 1,323.35               | 1,196.15                | 127.20                    | 10.404            |                    |           |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 4,358.66              | 4,358.29              | 51.04            | 83.75         | 91.25                 | -559.40      | 3,663.79     | 1,374.24               | 1,247.61                | 126.63                    | 10.852            |                    |           |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 4,362.10              | 4,361.74              | 52.12            | 83.82         | 91.42                 | -559.40      | 3,663.79     | 1,430.32               | 1,304.34                | 125.98                    | 11.353            |                    |           |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 4,365.55              | 4,365.18              | 53.19            | 83.89         | 91.59                 | -559.40      | 3,663.79     | 1,491.00               | 1,365.72                | 125.28                    | 11.901            |                    |           |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 4,369.00              | 4,368.63              | 54.27            | 83.96         | 91.76                 | -559.40      | 3,663.79     | 1,555.73               | 1,431.17                | 124.56                    | 12.490            |                    |           |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 4,372.45              | 4,372.08              | 55.36            | 84.03         | 91.93                 | -559.40      | 3,663.79     | 1,624.04               | 1,500.21                | 123.83                    | 13.115            |                    |           |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 4,375.89              | 4,375.53              | 56.44            | 84.10         | 92.10                 | -559.40      | 3,663.79     | 1,695.49               | 1,572.38                | 123.11                    | 13.772            |                    |           |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 4,379.34              | 4,378.97              | 57.53            | 84.17         | 92.27                 | -559.40      | 3,663.79     | 1,769.70               | 1,647.29                | 122.41                    | 14.457            |                    |           |                    |           |
| 8,900.00                                                                                 | 4,305.42              | 4,382.79              | 4,382.42              | 58.61            | 84.24         | 92.44                 | -559.40      | 3,663.79     | 1,846.34               | 1,724.60                | 121.74                    | 15.166            |                    |           |                    |           |
| 9,000.00                                                                                 | 4,308.87              | 4,386.24              | 4,385.87              | 59.70            | 84.31         | 92.61                 | -559.40      | 3,663.79     | 1,925.12               | 1,804.01                | 121.10                    | 15.896            |                    |           |                    |           |
| 9,100.00                                                                                 | 4,312.32              | 4,389.68              | 4,389.32              | 60.79            | 84.38         | 92.78                 | -559.40      | 3,663.79     | 2,005.78               | 1,885.28                | 120.50                    | 16.645            |                    |           |                    |           |
| 9,200.00                                                                                 | 4,315.76              | 4,393.13              | 4,392.76              | 61.88            | 84.45         | 92.95                 | -559.40      | 3,663.79     | 2,088.11               | 1,968.18                | 119.94                    | 17.410            |                    |           |                    |           |
| 9,300.00                                                                                 | 4,319.21              | 4,396.58              | 4,396.21              | 62.97            | 84.52         | 93.12                 | -559.40      | 3,663.79     | 2,171.93               | 2,052.52                | 119.41                    | 18.189            |                    |           |                    |           |
| 9,400.00                                                                                 | 4,322.66              | 4,400.03              | 4,399.66              | 64.07            | 84.59         | 93.29                 | -559.40      | 3,663.79     | 2,257.05               | 2,138.14                | 118.91                    | 18.981            |                    |           |                    |           |
| 9,500.00                                                                                 | 4,326.11              | 4,403.47              | 4,403.11              | 65.16            | 84.66         | 93.46                 | -559.40      | 3,663.79     | 2,343.34               | 2,224.89                | 118.45                    | 19.783            |                    |           |                    |           |
| 9,600.00                                                                                 | 4,329.55              | 4,406.92              | 4,406.55              | 66.26            | 84.73         | 93.63                 | -559.40      | 3,663.79     | 2,430.68               | 2,312.66                | 118.03                    | 20.594            |                    |           |                    |           |
| 9,700.00                                                                                 | 4,333.00              | 4,410.37              | 4,410.00              | 67.35            | 84.80         | 93.80                 | -559.40      | 3,663.79     | 2,518.96               | 2,401.33                | 117.63                    | 21.413            |                    |           |                    |           |
| 9,757.94                                                                                 | 4,335.00              | 4,412.37              | 4,412.00              | 67.99            | 84.84         | 93.90                 | -559.40      | 3,663.79     | 2,570.50               | 2,453.08                | 117.42                    | 21.891            |                    |           |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 9 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|---------------------------------|-------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 257-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                 |                         |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Distance Between Centres (usft) |                         | Minimum Separation (usft) | Separation Factor | Warning            |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)          | Between Ellipses (usft) |                           |                   |                    |
| 0.00                                                                                     | 0.00                  | 67.00                 | 67.00                 | 0.00                             | 1.31                          | 88.42                 | 100.99                 | 3,671.23     | 3,672.62                        |                         |                           |                   |                    |
| 100.00                                                                                   | 100.00                | 167.00                | 167.00                | 0.29                             | 3.27                          | 88.42                 | 100.99                 | 3,671.23     | 3,672.62                        | 3,669.06                | 3.56                      | 1,031.386         |                    |
| 200.00                                                                                   | 200.00                | 267.01                | 267.00                | 0.65                             | 5.24                          | 88.42                 | 100.99                 | 3,671.23     | 3,672.62                        | 3,666.73                | 5.89                      | 623.658           |                    |
| 300.00                                                                                   | 300.00                | 367.42                | 367.41                | 1.00                             | 7.30                          | 88.42                 | 101.19                 | 3,671.23     | 3,672.62                        | 3,664.32                | 8.30                      | 442.276           |                    |
| 304.45                                                                                   | 304.45                | 371.92                | 371.91                | 1.02                             | 7.39                          | 95.41                 | 101.17                 | 3,671.23     | 3,672.62                        | 3,664.21                | 8.41                      | 436.594           |                    |
| 400.00                                                                                   | 399.98                | 467.13                | 467.10                | 1.36                             | 9.34                          | 95.43                 | 101.20                 | 3,671.23     | 3,672.79                        | 3,662.09                | 10.70                     | 343.121           |                    |
| 500.00                                                                                   | 499.84                | 566.88                | 566.84                | 1.73                             | 11.36                         | 95.50                 | 100.99                 | 3,671.23     | 3,673.28                        | 3,660.21                | 13.07                     | 280.955           |                    |
| 600.00                                                                                   | 599.45                | 666.91                | 666.87                | 2.09                             | 13.35                         | 95.62                 | 101.21                 | 3,671.23     | 3,674.14                        | 3,658.71                | 15.42                     | 238.210           |                    |
| 700.00                                                                                   | 698.70                | 765.76                | 765.70                | 2.45                             | 15.28                         | 95.78                 | 100.99                 | 3,671.23     | 3,675.35                        | 3,657.63                | 17.72                     | 207.452           |                    |
| 800.00                                                                                   | 797.47                | 864.63                | 864.57                | 2.82                             | 17.20                         | 95.99                 | 101.35                 | 3,671.23     | 3,676.98                        | 3,656.99                | 19.99                     | 183.917           |                    |
| 900.00                                                                                   | 896.02                | 963.10                | 963.02                | 3.17                             | 19.10                         | 96.25                 | 100.99                 | 3,671.23     | 3,678.81                        | 3,656.55                | 22.26                     | 165.265           |                    |
| 1,000.00                                                                                 | 994.57                | 1,061.65              | 1,061.57              | 3.53                             | 20.96                         | 96.51                 | 100.99                 | 3,671.23     | 3,680.72                        | 3,656.23                | 24.49                     | 150.310           |                    |
| 1,100.00                                                                                 | 1,093.12              | 1,160.23              | 1,160.15              | 3.89                             | 22.83                         | 96.77                 | 101.34                 | 3,671.23     | 3,682.71                        | 3,656.00                | 26.72                     | 137.843           |                    |
| 1,200.00                                                                                 | 1,191.68              | 1,258.77              | 1,258.68              | 4.26                             | 24.68                         | 97.03                 | 100.99                 | 3,671.23     | 3,684.78                        | 3,655.84                | 28.94                     | 127.335           |                    |
| 1,300.00                                                                                 | 1,290.23              | 1,357.29              | 1,357.20              | 4.63                             | 26.50                         | 97.28                 | 101.20                 | 3,671.23     | 3,686.92                        | 3,655.80                | 31.12                     | 118.462           |                    |
| 1,400.00                                                                                 | 1,388.78              | 1,455.88              | 1,455.78              | 4.99                             | 28.31                         | 97.54                 | 100.99                 | 3,671.23     | 3,689.14                        | 3,655.84                | 33.30                     | 110.789           |                    |
| 1,500.00                                                                                 | 1,487.33              | 1,554.40              | 1,554.30              | 5.36                             | 30.08                         | 97.80                 | 101.24                 | 3,671.23     | 3,691.44                        | 3,655.99                | 35.44                     | 104.157           |                    |
| 1,600.00                                                                                 | 1,585.88              | 1,652.99              | 1,652.88              | 5.73                             | 31.86                         | 98.06                 | 100.99                 | 3,671.23     | 3,693.81                        | 3,656.23                | 37.59                     | 98.273            |                    |
| 1,700.00                                                                                 | 1,684.43              | 1,751.54              | 1,751.43              | 6.10                             | 33.73                         | 98.32                 | 100.99                 | 3,671.23     | 3,696.26                        | 3,656.44                | 39.83                     | 92.811            |                    |
| 1,800.00                                                                                 | 1,782.99              | 1,849.90              | 1,849.79              | 6.47                             | 35.60                         | 98.57                 | 101.12                 | 3,671.23     | 3,698.79                        | 3,656.72                | 42.06                     | 87.938            |                    |
| 1,900.00                                                                                 | 1,881.54              | 1,948.66              | 1,948.54              | 6.84                             | 37.51                         | 98.83                 | 100.99                 | 3,671.23     | 3,701.39                        | 3,657.05                | 44.35                     | 83.467            |                    |
| 2,000.00                                                                                 | 1,980.09              | 2,047.06              | 2,046.93              | 7.21                             | 39.47                         | 99.08                 | 101.46                 | 3,671.23     | 3,704.05                        | 3,657.38                | 46.67                     | 79.362            |                    |
| 2,100.00                                                                                 | 2,078.64              | 2,144.65              | 2,144.52              | 7.58                             | 41.41                         | 99.33                 | 101.07                 | 3,671.23     | 3,706.82                        | 3,657.83                | 48.98                     | 75.674            |                    |
| 2,200.00                                                                                 | 2,177.19              | 2,244.34              | 2,244.19              | 7.95                             | 43.31                         | 99.59                 | 100.99                 | 3,671.23     | 3,709.65                        | 3,658.40                | 51.25                     | 72.377            |                    |
| 2,300.00                                                                                 | 2,275.75              | 2,342.29              | 2,342.14              | 8.32                             | 45.17                         | 99.84                 | 101.27                 | 3,671.23     | 3,712.54                        | 3,659.06                | 53.48                     | 69.417            |                    |
| 2,400.00                                                                                 | 2,374.30              | 2,441.46              | 2,441.30              | 8.69                             | 47.00                         | 100.10                | 100.99                 | 3,671.23     | 3,715.53                        | 3,659.85                | 55.68                     | 66.728            |                    |
| 2,500.00                                                                                 | 2,472.85              | 2,539.94              | 2,539.78              | 9.06                             | 48.74                         | 100.35                | 101.29                 | 3,671.23     | 3,718.57                        | 3,660.78                | 57.79                     | 64.349            |                    |
| 2,600.00                                                                                 | 2,571.40              | 2,637.63              | 2,637.47              | 9.43                             | 50.46                         | 100.60                | 101.08                 | 3,671.23     | 3,721.71                        | 3,661.83                | 59.88                     | 62.153            |                    |
| 2,700.00                                                                                 | 2,669.95              | 2,737.12              | 2,736.95              | 9.80                             | 52.15                         | 100.86                | 100.99                 | 3,671.23     | 3,724.92                        | 3,662.98                | 61.94                     | 60.135            |                    |
| 2,800.00                                                                                 | 2,768.50              | 2,835.41              | 2,835.25              | 10.17                            | 53.81                         | 101.11                | 101.05                 | 3,671.23     | 3,728.19                        | 3,664.23                | 63.97                     | 58.283            |                    |
| 2,900.00                                                                                 | 2,867.06              | 2,934.22              | 2,934.06              | 10.54                            | 55.48                         | 101.37                | 100.99                 | 3,671.23     | 3,731.55                        | 3,665.54                | 66.00                     | 56.535            |                    |
| 3,000.00                                                                                 | 2,965.61              | 3,032.59              | 3,032.42              | 10.92                            | 57.14                         | 101.62                | 101.06                 | 3,671.23     | 3,734.97                        | 3,666.93                | 68.04                     | 54.894            |                    |
| 3,100.00                                                                                 | 3,064.16              | 3,131.33              | 3,131.16              | 11.29                            | 58.82                         | 101.87                | 100.99                 | 3,671.23     | 3,738.48                        | 3,668.39                | 70.08                     | 53.343            |                    |
| 3,200.00                                                                                 | 3,162.72              | 3,229.80              | 3,229.63              | 11.66                            | 60.49                         | 94.00                 | 101.07                 | 3,671.23     | 3,741.76                        | 3,669.63                | 72.13                     | 51.877            |                    |
| 3,300.00                                                                                 | 3,261.19              | 3,328.36              | 3,328.19              | 12.02                            | 62.18                         | 61.57                 | 100.99                 | 3,671.23     | 3,737.75                        | 3,663.57                | 74.18                     | 50.389            |                    |
| 3,400.00                                                                                 | 3,358.69              | 3,425.86              | 3,425.69              | 12.38                            | 63.92                         | 41.55                 | 100.99                 | 3,671.23     | 3,723.39                        | 3,647.11                | 76.28                     | 48.815            |                    |
| 3,500.00                                                                                 | 3,454.14              | 3,520.96              | 3,520.79              | 12.72                            | 65.61                         | 30.84                 | 101.06                 | 3,671.23     | 3,698.83                        | 3,620.51                | 78.32                     | 47.228            |                    |
| 3,600.00                                                                                 | 3,546.50              | 3,613.68              | 3,613.50              | 13.04                            | 67.32                         | 24.79                 | 100.99                 | 3,671.23     | 3,664.38                        | 3,584.02                | 80.35                     | 45.603            |                    |
| 3,700.00                                                                                 | 3,634.76              | 3,701.93              | 3,701.75              | 13.35                            | 69.01                         | 21.13                 | 101.28                 | 3,671.23     | 3,620.34                        | 3,537.99                | 82.35                     | 43.962            |                    |
| 3,800.00                                                                                 | 3,717.94              | 3,783.84              | 3,783.67              | 13.64                            | 70.58                         | 18.86                 | 101.16                 | 3,671.23     | 3,567.28                        | 3,483.08                | 84.21                     | 42.364            |                    |
| 3,900.00                                                                                 | 3,795.15              | 3,862.34              | 3,862.15              | 13.94                            | 72.08                         | 17.51                 | 100.99                 | 3,671.23     | 3,505.75                        | 3,419.78                | 85.97                     | 40.780            |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,932.72              | 3,932.52              | 14.28                            | 73.43                         | 16.80                 | 100.99                 | 3,671.23     | 3,436.37                        | 3,348.83                | 87.54                     | 39.254            |                    |
| 4,100.00                                                                                 | 3,928.30              | 3,994.53              | 3,994.33              | 14.67                            | 74.61                         | 16.66                 | 101.37                 | 3,671.23     | 3,359.88                        | 3,270.96                | 88.93                     | 37.783            |                    |
| 4,200.00                                                                                 | 3,982.79              | 4,047.74              | 4,047.54              | 15.11                            | 75.63                         | 17.12                 | 101.18                 | 3,671.23     | 3,277.23                        | 3,187.11                | 90.11                     | 36.368            |                    |
| 4,300.00                                                                                 | 4,032.79              | 4,100.00              | 4,099.79              | 15.59                            | 76.61                         | 17.59                 | 100.99                 | 3,671.23     | 3,191.69                        | 3,100.46                | 91.23                     | 34.985            |                    |
| 4,400.00                                                                                 | 4,082.79              | 4,150.00              | 4,149.79              | 16.11                            | 77.50                         | 18.06                 | 100.99                 | 3,671.23     | 3,106.19                        | 3,013.92                | 92.27                     | 33.665            |                    |
| 4,500.00                                                                                 | 4,125.25              | 4,192.46              | 4,192.25              | 16.67                            | 78.26                         | 25.99                 | 100.99                 | 3,671.23     | 3,017.00                        | 2,923.83                | 93.17                     | 32.381            |                    |
| 4,600.00                                                                                 | 4,151.36              | 4,218.38              | 4,218.17              | 17.25                            | 78.72                         | 44.52                 | 101.28                 | 3,671.23     | 2,921.93                        | 2,828.18                | 93.75                     | 31.168            |                    |
| 4,700.00                                                                                 | 4,160.63              | 4,227.50              | 4,227.29              | 17.84                            | 78.88                         | 79.10                 | 101.28                 | 3,671.23     | 2,823.99                        | 2,729.99                | 94.00                     | 30.044            |                    |
| 4,800.00                                                                                 | 4,164.07              | 4,230.89              | 4,230.68              | 18.45                            | 78.94                         | 79.48                 | 101.27                 | 3,671.23     | 2,725.68                        | 2,631.54                | 94.14                     | 28.955            |                    |
| 4,900.00                                                                                 | 4,167.52              | 4,234.28              | 4,234.07              | 19.11                            | 79.00                         | 79.85                 | 101.27                 | 3,671.23     | 2,627.50                        | 2,533.21                | 94.29                     | 27.867            |                    |
| 5,000.00                                                                                 | 4,170.97              | 4,237.67              | 4,237.46              | 19.81                            | 79.06                         | 80.23                 | 101.27                 | 3,671.23     | 2,529.45                        | 2,435.00                | 94.45                     | 26.781            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE 9 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |                        |              |                         |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|-------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 257-INC-ONLY                                                             |                       | Reference Offset      |                       | Semi Major Axis  |               |                       | Offset Wellbore Centre |              | Rule Assigned: Distance |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)  | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 5,100.00                                                                                 | 4,174.42              | 4,241.06              | 4,240.85              | 20.55            | 79.12         | 80.61                 | 101.26                 | 3,671.23     | 2,431.56                | 2,336.93                | 94.63                     | 25.697            |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 4,244.45              | 4,244.23              | 21.33            | 79.18         | 80.99                 | 101.26                 | 3,671.23     | 2,333.84                | 2,239.02                | 94.82                     | 24.614            |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 4,247.83              | 4,247.62              | 22.13            | 79.24         | 81.37                 | 101.25                 | 3,671.23     | 2,236.32                | 2,141.29                | 95.03                     | 23.533            |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 4,251.22              | 4,251.01              | 22.96            | 79.30         | 81.75                 | 101.25                 | 3,671.23     | 2,139.02                | 2,043.76                | 95.26                     | 22.454            |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 4,254.61              | 4,254.40              | 23.82            | 79.36         | 82.13                 | 101.24                 | 3,671.23     | 2,041.98                | 1,946.46                | 95.52                     | 21.377            |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 4,258.00              | 4,257.79              | 24.69            | 79.42         | 82.51                 | 101.24                 | 3,671.23     | 1,945.23                | 1,849.42                | 95.81                     | 20.303            |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 4,261.38              | 4,261.17              | 25.59            | 79.48         | 82.89                 | 101.23                 | 3,671.23     | 1,848.82                | 1,752.69                | 96.14                     | 19.231            |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 4,264.77              | 4,264.56              | 26.50            | 79.55         | 83.27                 | 101.22                 | 3,671.23     | 1,752.81                | 1,656.30                | 96.51                     | 18.163            |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 4,268.16              | 4,267.94              | 27.43            | 79.61         | 83.66                 | 101.22                 | 3,671.23     | 1,657.26                | 1,560.33                | 96.93                     | 17.098            |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 4,271.54              | 4,271.33              | 28.37            | 79.67         | 84.04                 | 101.21                 | 3,671.23     | 1,562.26                | 1,464.85                | 97.41                     | 16.038            |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 4,274.93              | 4,274.71              | 29.33            | 79.73         | 84.43                 | 101.20                 | 3,671.23     | 1,467.92                | 1,369.95                | 97.97                     | 14.983            |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 4,278.31              | 4,278.10              | 30.30            | 79.79         | 84.81                 | 101.19                 | 3,671.23     | 1,374.37                | 1,275.74                | 98.63                     | 13.935            |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 4,281.70              | 4,281.48              | 31.28            | 79.85         | 85.20                 | 101.18                 | 3,671.23     | 1,281.79                | 1,182.39                | 99.40                     | 12.896            |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 4,285.08              | 4,284.87              | 32.26            | 79.91         | 85.58                 | 101.17                 | 3,671.23     | 1,190.39                | 1,090.08                | 100.31                    | 11.867            |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 4,288.46              | 4,288.25              | 33.26            | 79.97         | 85.97                 | 101.16                 | 3,671.23     | 1,100.48                | 999.09                  | 101.39                    | 10.854            |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 4,291.85              | 4,291.63              | 34.27            | 80.03         | 86.35                 | 101.15                 | 3,671.23     | 1,012.46                | 909.77                  | 102.69                    | 9.859             |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 4,295.23              | 4,295.02              | 35.28            | 80.09         | 86.74                 | 101.14                 | 3,671.23     | 926.86                  | 822.60                  | 104.26                    | 8.890             |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 4,298.61              | 4,298.40              | 36.30            | 80.15         | 87.13                 | 101.13                 | 3,671.23     | 844.41                  | 738.27                  | 106.14                    | 7.956             |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 4,301.99              | 4,301.78              | 37.32            | 80.21         | 87.51                 | 101.12                 | 3,671.23     | 766.14                  | 657.76                  | 108.38                    | 7.069             |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 4,305.37              | 4,305.16              | 38.35            | 80.27         | 87.90                 | 101.11                 | 3,671.23     | 693.46                  | 582.44                  | 111.02                    | 6.246             |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 4,308.76              | 4,308.54              | 39.39            | 80.33         | 88.29                 | 101.10                 | 3,671.23     | 628.31                  | 514.28                  | 114.03                    | 5.510             |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 4,312.14              | 4,311.92              | 40.43            | 80.39         | 88.67                 | 101.08                 | 3,671.23     | 573.28                  | 456.01                  | 117.27                    | 4.889             |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 4,315.52              | 4,315.30              | 41.48            | 80.45         | 89.06                 | 101.07                 | 3,671.23     | 531.50                  | 411.13                  | 120.37                    | 4.415             |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 4,318.90              | 4,318.68              | 42.53            | 80.51         | 89.45                 | 101.06                 | 3,671.23     | 506.28                  | 383.48                  | 122.80                    | 4.123             |                    |           |
| 7,481.03                                                                                 | 4,256.50              | 4,321.63              | 4,321.42              | 43.38            | 80.56         | 89.76                 | 101.04                 | 3,671.23     | 499.76                  | 375.88                  | 123.88                    | 4.034 CC, ES      |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 4,322.28              | 4,322.06              | 43.58            | 80.57         | 89.83                 | 101.04                 | 3,671.23     | 500.12                  | 376.12                  | 124.00                    | 4.033 SF          |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 4,325.65              | 4,325.44              | 44.64            | 80.63         | 90.22                 | 101.03                 | 3,671.23     | 513.71                  | 389.99                  | 123.72                    | 4.152             |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 4,329.03              | 4,328.82              | 45.70            | 80.69         | 90.61                 | 101.01                 | 3,671.23     | 545.58                  | 423.35                  | 122.23                    | 4.464             |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 4,334.71              | 4,334.50              | 46.76            | 80.79         | 91.26                 | 100.99                 | 3,671.23     | 592.78                  | 472.69                  | 120.09                    | 4.936             |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 4,338.16              | 4,337.95              | 47.83            | 80.85         | 91.65                 | 100.99                 | 3,671.23     | 651.98                  | 534.30                  | 117.68                    | 5.540             |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 4,341.61              | 4,341.39              | 48.89            | 80.91         | 92.05                 | 100.99                 | 3,671.23     | 720.24                  | 604.87                  | 115.37                    | 6.243             |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 4,345.06              | 4,344.84              | 49.97            | 80.97         | 92.44                 | 100.99                 | 3,671.23     | 795.23                  | 681.92                  | 113.31                    | 7.018             |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 4,348.50              | 4,348.29              | 51.04            | 81.03         | 92.84                 | 100.99                 | 3,671.23     | 875.22                  | 763.70                  | 111.52                    | 7.848             |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 4,351.95              | 4,351.74              | 52.12            | 81.09         | 93.23                 | 100.99                 | 3,671.23     | 958.96                  | 848.97                  | 110.00                    | 8.718             |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 4,355.40              | 4,355.18              | 53.19            | 81.15         | 93.62                 | 100.99                 | 3,671.23     | 1,045.55                | 936.84                  | 108.72                    | 9.617             |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 4,358.85              | 4,358.63              | 54.27            | 81.20         | 94.02                 | 100.99                 | 3,671.23     | 1,134.34                | 1,026.70                | 107.64                    | 10.538            |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 4,362.29              | 4,362.08              | 55.36            | 81.26         | 94.41                 | 100.99                 | 3,671.23     | 1,224.85                | 1,118.11                | 106.74                    | 11.475            |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 4,365.74              | 4,365.53              | 56.44            | 81.32         | 94.80                 | 100.99                 | 3,671.23     | 1,316.72                | 1,210.73                | 105.99                    | 12.423            |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 4,369.19              | 4,368.97              | 57.53            | 81.38         | 95.19                 | 100.99                 | 3,671.23     | 1,409.69                | 1,304.34                | 105.35                    | 13.380            |                    |           |
| 8,900.00                                                                                 | 4,305.42              | 4,372.64              | 4,372.42              | 58.61            | 81.44         | 95.59                 | 100.99                 | 3,671.23     | 1,503.56                | 1,398.74                | 104.82                    | 14.344            |                    |           |
| 9,000.00                                                                                 | 4,308.87              | 4,376.08              | 4,375.87              | 59.70            | 81.50         | 95.98                 | 100.99                 | 3,671.23     | 1,598.16                | 1,493.79                | 104.37                    | 15.312            |                    |           |
| 9,100.00                                                                                 | 4,312.32              | 4,379.53              | 4,379.32              | 60.79            | 81.56         | 96.37                 | 100.99                 | 3,671.23     | 1,693.38                | 1,589.38                | 104.00                    | 16.283            |                    |           |
| 9,200.00                                                                                 | 4,315.76              | 4,382.98              | 4,382.76              | 61.88            | 81.62         | 96.76                 | 100.99                 | 3,671.23     | 1,789.11                | 1,685.43                | 103.68                    | 17.256            |                    |           |
| 9,300.00                                                                                 | 4,319.21              | 4,386.43              | 4,386.21              | 62.97            | 81.68         | 97.15                 | 100.99                 | 3,671.23     | 1,885.28                | 1,781.86                | 103.41                    | 18.231            |                    |           |
| 9,400.00                                                                                 | 4,322.66              | 4,389.87              | 4,389.66              | 64.07            | 81.74         | 97.54                 | 100.99                 | 3,671.23     | 1,981.82                | 1,878.63                | 103.19                    | 19.205            |                    |           |
| 9,500.00                                                                                 | 4,326.11              | 4,393.32              | 4,393.11              | 65.16            | 81.79         | 97.92                 | 100.99                 | 3,671.23     | 2,078.68                | 1,975.67                | 103.01                    | 20.180            |                    |           |
| 9,600.00                                                                                 | 4,329.55              | 4,396.77              | 4,396.55              | 66.26            | 81.85         | 98.31                 | 100.99                 | 3,671.23     | 2,175.82                | 2,072.97                | 102.85                    | 21.154            |                    |           |
| 9,700.00                                                                                 | 4,333.00              | 4,400.17              | 4,399.96              | 67.35            | 81.91         | 98.69                 | 101.04                 | 3,671.23     | 2,273.19                | 2,170.47                | 102.73                    | 22.128            |                    |           |
| 9,757.94                                                                                 | 4,335.00              | 4,402.15              | 4,401.93              | 67.99            | 81.95         | 98.91                 | 101.04                 | 3,671.23     | 2,329.71                | 2,227.05                | 102.67                    | 22.692            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE12 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                       |                        |              |                        |                         |                           |                   |         |                    | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------|--------------------|--------------------|
| Survey Program: 251-INC-ONLY                                                             |                       |                       |                       |                       |                        |              |                        |                         |                           |                   |         |                    | 0.00 usft          |
| Reference                                                                                | Offset                | Semi Major Axis       |                       | Highside Toolface (°) | Offset Wellbore Centre |              | Rule Assigned:         |                         | Minimum Separation (usft) | Separation Factor | Warning | Offset Well Error: |                    |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |         | 0.00 usft          |                    |
| 0.00                                                                                     | 0.00                  | 49.00                 | 49.00                 | 0.00                  | 1.11                   | 79.11        | 704.43                 | 3,659.78                | 3,726.96                  |                   |         |                    |                    |
| 100.00                                                                                   | 100.00                | 149.00                | 149.00                | 0.29                  | 3.37                   | 79.11        | 704.43                 | 3,659.78                | 3,726.96                  | 3,723.30          | 3.66    | 1,019.458          |                    |
| 200.00                                                                                   | 200.00                | 249.00                | 249.00                | 0.65                  | 5.63                   | 79.11        | 704.43                 | 3,659.78                | 3,726.96                  | 3,720.68          | 6.28    | 593.900            |                    |
| 300.00                                                                                   | 300.00                | 349.02                | 349.00                | 1.00                  | 9.06                   | 79.11        | 704.43                 | 3,659.78                | 3,726.96                  | 3,716.90          | 10.06   | 370.490            |                    |
| 400.00                                                                                   | 399.98                | 450.56                | 450.52                | 1.36                  | 12.56                  | 86.10        | 705.35                 | 3,659.78                | 3,727.01                  | 3,713.09          | 13.92   | 267.762            |                    |
| 500.00                                                                                   | 499.84                | 555.45                | 555.40                | 1.73                  | 16.17                  | 86.21        | 704.74                 | 3,659.78                | 3,726.55                  | 3,708.66          | 17.89   | 208.260            |                    |
| 600.00                                                                                   | 599.45                | 648.82                | 648.45                | 2.09                  | 20.07                  | 86.35        | 704.43                 | 3,659.78                | 3,725.92                  | 3,703.78          | 22.14   | 168.274            |                    |
| 700.00                                                                                   | 698.70                | 748.31                | 747.70                | 2.45                  | 24.36                  | 86.55        | 704.43                 | 3,659.78                | 3,725.16                  | 3,698.37          | 26.79   | 139.032            |                    |
| 800.00                                                                                   | 797.47                | 847.93                | 847.27                | 2.82                  | 28.26                  | 86.78        | 706.28                 | 3,659.78                | 3,724.57                  | 3,693.52          | 31.05   | 119.943            |                    |
| 900.00                                                                                   | 896.02                | 963.79                | 963.05                | 3.17                  | 32.79                  | 87.10        | 704.60                 | 3,659.78                | 3,723.40                  | 3,687.45          | 35.95   | 103.571            |                    |
| 1,000.00                                                                                 | 994.57                | 1,044.50              | 1,043.57              | 3.53                  | 35.47                  | 87.32        | 704.43                 | 3,659.78                | 3,722.48                  | 3,683.48          | 39.00   | 95.455             |                    |
| 1,100.00                                                                                 | 1,093.12              | 1,148.25              | 1,147.28              | 3.89                  | 38.87                  | 87.57        | 705.59                 | 3,659.78                | 3,721.90                  | 3,679.15          | 42.76   | 87.043             |                    |
| 1,200.00                                                                                 | 1,191.68              | 1,241.81              | 1,240.68              | 4.26                  | 41.90                  | 87.83        | 704.43                 | 3,659.78                | 3,721.02                  | 3,674.86          | 46.16   | 80.611             |                    |
| 1,300.00                                                                                 | 1,290.23              | 1,340.36              | 1,339.23              | 4.63                  | 44.95                  | 88.09        | 704.43                 | 3,659.78                | 3,720.41                  | 3,670.84          | 49.57   | 75.047             |                    |
| 1,400.00                                                                                 | 1,388.78              | 1,446.43              | 1,445.25              | 4.99                  | 48.23                  | 88.36        | 704.99                 | 3,659.78                | 3,719.97                  | 3,666.74          | 53.22   | 69.896             |                    |
| 1,500.00                                                                                 | 1,487.33              | 1,537.64              | 1,536.33              | 5.36                  | 50.85                  | 88.60        | 704.43                 | 3,659.78                | 3,719.42                  | 3,663.21          | 56.21   | 66.171             |                    |
| 1,600.00                                                                                 | 1,585.88              | 1,638.35              | 1,637.02              | 5.73                  | 53.60                  | 88.85        | 705.54                 | 3,659.78                | 3,719.19                  | 3,659.86          | 59.33   | 62.687             |                    |
| 1,700.00                                                                                 | 1,684.43              | 1,744.73              | 1,743.36              | 6.10                  | 56.50                  | 89.15        | 704.30                 | 3,659.78                | 3,718.73                  | 3,656.12          | 62.60   | 59.401             |                    |
| 1,800.00                                                                                 | 1,782.99              | 1,833.41              | 1,831.99              | 6.47                  | 58.59                  | 89.38        | 704.43                 | 3,659.78                | 3,718.51                  | 3,653.44          | 65.06   | 57.153             |                    |
| 1,900.00                                                                                 | 1,881.54              | 1,935.14              | 1,933.69              | 6.84                  | 61.01                  | 89.63        | 704.98                 | 3,659.78                | 3,718.43                  | 3,650.58          | 67.85   | 54.801             |                    |
| 2,000.00                                                                                 | 1,980.09              | 2,030.59              | 2,029.09              | 7.21                  | 63.35                  | 89.89        | 704.43                 | 3,659.78                | 3,718.28                  | 3,647.72          | 70.56   | 52.693             |                    |
| 2,042.57                                                                                 | 2,022.04              | 2,072.55              | 2,071.04              | 7.37                  | 64.43                  | 90.00        | 704.43                 | 3,659.78                | 3,718.28                  | 3,646.48          | 71.80   | 51.787             |                    |
| 2,100.00                                                                                 | 2,078.64              | 2,129.14              | 2,127.64              | 7.58                  | 65.89                  | 90.15        | 704.43                 | 3,659.78                | 3,718.29                  | 3,644.82          | 73.47   | 50.612             |                    |
| 2,200.00                                                                                 | 2,177.19              | 2,227.70              | 2,226.19              | 7.95                  | 68.42                  | 90.41        | 704.43                 | 3,659.78                | 3,718.37                  | 3,642.00          | 76.37   | 48.690             |                    |
| 2,300.00                                                                                 | 2,275.75              | 2,327.77              | 2,326.24              | 8.32                  | 70.99                  | 90.65        | 705.86                 | 3,659.78                | 3,718.69                  | 3,639.38          | 79.31   | 46.888             |                    |
| 2,400.00                                                                                 | 2,374.30              | 2,428.18              | 2,426.64              | 8.69                  | 73.57                  | 90.92        | 705.25                 | 3,659.78                | 3,718.86                  | 3,636.60          | 82.26   | 45.209             |                    |
| 2,500.00                                                                                 | 2,472.85              | 2,523.55              | 2,521.85              | 9.06                  | 76.03                  | 91.18        | 704.43                 | 3,659.78                | 3,719.09                  | 3,633.99          | 85.10   | 43.705             |                    |
| 2,600.00                                                                                 | 2,571.40              | 2,622.10              | 2,620.40              | 9.43                  | 78.66                  | 91.44        | 704.43                 | 3,659.78                | 3,719.48                  | 3,631.39          | 88.09   | 42.223             |                    |
| 2,700.00                                                                                 | 2,669.95              | 2,720.65              | 2,718.95              | 9.80                  | 81.29                  | 91.69        | 704.43                 | 3,659.78                | 3,719.95                  | 3,628.86          | 91.09   | 40.839             |                    |
| 2,800.00                                                                                 | 2,768.50              | 2,820.92              | 2,819.19              | 10.17                 | 83.96                  | 91.93        | 706.01                 | 3,659.78                | 3,720.63                  | 3,626.50          | 94.13   | 39.526             |                    |
| 2,900.00                                                                                 | 2,867.06              | 2,921.49              | 2,919.73              | 10.54                 | 86.64                  | 92.21        | 705.16                 | 3,659.78                | 3,721.18                  | 3,624.00          | 97.18   | 38.291             |                    |
| 3,000.00                                                                                 | 2,965.61              | 3,016.50              | 3,014.61              | 10.92                 | 89.10                  | 92.46        | 704.43                 | 3,659.78                | 3,721.82                  | 3,621.81          | 100.02  | 37.213             |                    |
| 3,100.00                                                                                 | 3,064.16              | 3,115.05              | 3,113.16              | 11.29                 | 91.56                  | 92.72        | 704.43                 | 3,659.78                | 3,722.60                  | 3,619.75          | 102.85  | 36.196             |                    |
| 3,200.00                                                                                 | 3,162.72              | 3,213.61              | 3,211.72              | 11.66                 | 94.02                  | 92.98        | 704.43                 | 3,659.78                | 3,723.17                  | 3,617.50          | 105.68  | 35.232             |                    |
| 3,300.00                                                                                 | 3,261.19              | 3,313.17              | 3,311.24              | 12.02                 | 96.51                  | 93.24        | 706.02                 | 3,659.78                | 3,716.63                  | 3,608.10          | 108.53  | 34.245             |                    |
| 3,400.00                                                                                 | 3,359.69              | 3,411.87              | 3,409.92              | 12.38                 | 98.97                  | 93.50        | 705.33                 | 3,659.78                | 3,699.71                  | 3,588.36          | 111.35  | 33.225             |                    |
| 3,500.00                                                                                 | 3,458.14              | 3,509.21              | 3,507.34              | 12.72                 | 101.24                 | 93.76        | 704.43                 | 3,659.78                | 3,672.73                  | 3,558.77          | 113.96  | 32.229             |                    |
| 3,600.00                                                                                 | 3,556.50              | 3,597.57              | 3,595.50              | 13.04                 | 103.16                 | 94.01        | 704.43                 | 3,659.78                | 3,636.02                  | 3,519.82          | 116.20  | 31.291             |                    |
| 3,700.00                                                                                 | 3,654.76              | 3,685.83              | 3,683.76              | 13.35                 | 104.99                 | 94.26        | 704.43                 | 3,659.78                | 3,589.93                  | 3,471.59          | 118.33  | 30.337             |                    |
| 3,800.00                                                                                 | 3,717.94              | 3,769.45              | 3,767.36              | 13.64                 | 106.73                 | 94.51        | 705.81                 | 3,659.78                | 3,535.00                  | 3,414.66          | 120.34  | 29.374             |                    |
| 3,900.00                                                                                 | 3,795.15              | 3,847.36              | 3,845.26              | 13.94                 | 108.35                 | 94.76        | 705.47                 | 3,659.78                | 3,471.68                  | 3,349.48          | 122.20  | 28.409             |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,918.34              | 3,916.23              | 14.28                 | 109.83                 | 95.01        | 704.88                 | 3,659.78                | 3,400.72                  | 3,276.84          | 123.89  | 27.450             |                    |
| 4,100.00                                                                                 | 3,928.30              | 3,979.45              | 3,977.30              | 14.67                 | 111.20                 | -0.62        | 704.43                 | 3,659.78                | 3,322.92                  | 3,197.49          | 125.44  | 26.491             |                    |
| 4,200.00                                                                                 | 3,982.79              | 4,033.94              | 4,031.79              | 15.11                 | 112.61                 | -3.61        | 704.43                 | 3,659.78                | 3,239.14                  | 3,112.16          | 126.98  | 25.508             |                    |
| 4,300.00                                                                                 | 4,032.79              | 4,083.94              | 4,081.79              | 15.59                 | 113.91                 | -3.77        | 704.43                 | 3,659.78                | 3,152.59                  | 3,024.20          | 128.39  | 24.555             |                    |
| 4,400.00                                                                                 | 4,082.79              | 4,133.94              | 4,131.79              | 16.11                 | 115.20                 | -3.87        | 704.43                 | 3,659.78                | 3,066.03                  | 2,936.24          | 129.79  | 23.623             |                    |
| 4,500.00                                                                                 | 4,125.25              | 4,176.40              | 4,174.25              | 16.67                 | 116.30                 | -5.78        | 704.43                 | 3,659.78                | 2,975.69                  | 2,844.69          | 131.00  | 22.716             |                    |
| 4,600.00                                                                                 | 4,151.36              | 4,202.51              | 4,200.36              | 17.25                 | 116.98                 | -11.55       | 704.43                 | 3,659.78                | 2,879.35                  | 2,747.61          | 131.74  | 21.857             |                    |
| 4,700.00                                                                                 | 4,160.63              | 4,211.78              | 4,209.63              | 17.84                 | 117.22                 | -47.29       | 704.43                 | 3,659.78                | 2,779.95                  | 2,647.95          | 132.00  | 21.060             |                    |
| 4,800.00                                                                                 | 4,164.07              | 4,215.23              | 4,213.07              | 18.45                 | 117.31                 | -48.33       | 704.43                 | 3,659.78                | 2,680.08                  | 2,547.99          | 132.10  | 20.289             |                    |
| 4,900.00                                                                                 | 4,167.52              | 4,218.67              | 4,216.52              | 19.11                 | 117.40                 | -49.41       | 704.43                 | 3,659.78                | 2,580.22                  | 2,448.03          | 132.20  | 19.518             |                    |
| 5,000.00                                                                                 | 4,170.97              | 4,222.12              | 4,219.97              | 19.81                 | 117.49                 | -50.53       | 704.43                 | 3,659.78                | 2,480.37                  | 2,348.07          | 132.29  | 18.749             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: OUTLAW STATE12 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |              |                                                |                         |                           |                           | Offset Site Error:           |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------------|------------------------------------------------|-------------------------|---------------------------|---------------------------|------------------------------|
| Survey Program: 251-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                        |              |                                                |                         |                           |                           | Offset Well Error: 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |              | Rule Assigned: Distance Between Centres (usft) |                         | Minimum Separation (usft) | Separation Factor         | Warning                      |
|                                                                                          |                       |                       |                       |                                  |                               |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft)                         | Between Ellipses (usft) |                           |                           |                              |
| 5,100.00                                                                                 | 4,174.42              | 4,225.57              | 4,223.42              | 20.55                            | 117.57                        | -51.68                | 704.43                 | 3,659.78     | 2,380.52                                       | 2,248.12                | 132.40                    | 17.980                    |                              |
| 5,200.00                                                                                 | 4,177.86              | 4,229.02              | 4,226.86              | 21.33                            | 117.66                        | -52.87                | 704.43                 | 3,659.78     | 2,280.67                                       | 2,148.18                | 132.50                    | 17.213                    |                              |
| 5,300.00                                                                                 | 4,181.31              | 4,232.46              | 4,230.31              | 22.13                            | 117.75                        | -54.10                | 704.43                 | 3,659.78     | 2,180.84                                       | 2,048.24                | 132.60                    | 16.447                    |                              |
| 5,400.00                                                                                 | 4,184.76              | 4,235.91              | 4,233.75              | 22.96                            | 117.84                        | -55.58                | 705.28                 | 3,659.78     | 2,081.08                                       | 1,948.37                | 132.70                    | 15.682                    |                              |
| 5,500.00                                                                                 | 4,188.21              | 4,239.37              | 4,237.21              | 23.82                            | 117.93                        | -56.89                | 705.28                 | 3,659.78     | 1,981.27                                       | 1,848.46                | 132.81                    | 14.918                    |                              |
| 5,600.00                                                                                 | 4,191.65              | 4,242.83              | 4,240.67              | 24.69                            | 118.02                        | -58.24                | 705.28                 | 3,659.78     | 1,881.47                                       | 1,748.56                | 132.91                    | 14.156                    |                              |
| 5,700.00                                                                                 | 4,195.10              | 4,246.28              | 4,244.13              | 25.59                            | 118.11                        | -59.63                | 705.27                 | 3,659.78     | 1,781.70                                       | 1,648.68                | 133.02                    | 13.394                    |                              |
| 5,800.00                                                                                 | 4,198.55              | 4,249.74              | 4,247.59              | 26.50                            | 118.20                        | -61.06                | 705.27                 | 3,659.78     | 1,681.94                                       | 1,548.81                | 133.13                    | 12.634                    |                              |
| 5,900.00                                                                                 | 4,202.00              | 4,253.20              | 4,251.04              | 27.43                            | 118.29                        | -62.52                | 705.27                 | 3,659.78     | 1,582.20                                       | 1,448.97                | 133.24                    | 11.875                    |                              |
| 6,000.00                                                                                 | 4,205.44              | 4,256.66              | 4,254.50              | 28.37                            | 118.38                        | -64.03                | 705.27                 | 3,659.78     | 1,482.50                                       | 1,349.14                | 133.35                    | 11.117                    |                              |
| 6,100.00                                                                                 | 4,208.89              | 4,260.11              | 4,257.96              | 29.33                            | 118.47                        | -65.58                | 705.27                 | 3,659.78     | 1,382.82                                       | 1,249.35                | 133.47                    | 10.361                    |                              |
| 6,200.00                                                                                 | 4,212.34              | 4,263.57              | 4,261.41              | 30.30                            | 118.56                        | -67.17                | 705.27                 | 3,659.78     | 1,283.19                                       | 1,149.60                | 133.59                    | 9.606                     |                              |
| 6,300.00                                                                                 | 4,215.79              | 4,267.03              | 4,264.87              | 31.28                            | 118.65                        | -68.80                | 705.27                 | 3,659.78     | 1,183.61                                       | 1,049.90                | 133.72                    | 8.852                     |                              |
| 6,400.00                                                                                 | 4,219.23              | 4,270.48              | 4,268.32              | 32.26                            | 118.74                        | -70.46                | 705.26                 | 3,659.78     | 1,084.10                                       | 950.25                  | 133.85                    | 8.099                     |                              |
| 6,500.00                                                                                 | 4,222.68              | 4,273.94              | 4,271.78              | 33.26                            | 118.83                        | -72.16                | 705.26                 | 3,659.78     | 984.67                                         | 850.67                  | 134.00                    | 7.348                     |                              |
| 6,600.00                                                                                 | 4,226.13              | 4,277.39              | 4,275.24              | 34.27                            | 118.92                        | -73.89                | 705.26                 | 3,659.78     | 885.36                                         | 751.19                  | 134.17                    | 6.599                     |                              |
| 6,700.00                                                                                 | 4,229.58              | 4,280.85              | 4,278.69              | 35.28                            | 119.00                        | -75.65                | 705.25                 | 3,659.78     | 786.20                                         | 651.83                  | 134.37                    | 5.851                     |                              |
| 6,800.00                                                                                 | 4,233.02              | 4,284.30              | 4,282.15              | 36.30                            | 119.09                        | -77.44                | 705.25                 | 3,659.78     | 687.28                                         | 552.65                  | 134.63                    | 5.105                     |                              |
| 6,900.00                                                                                 | 4,236.47              | 4,287.76              | 4,285.60              | 37.32                            | 119.18                        | -79.25                | 705.25                 | 3,659.78     | 588.70                                         | 453.70                  | 134.99                    | 4.361                     |                              |
| 7,000.00                                                                                 | 4,239.92              | 4,291.21              | 4,289.05              | 38.35                            | 119.27                        | -81.09                | 705.24                 | 3,659.78     | 490.66                                         | 355.11                  | 135.55                    | 3.620                     |                              |
| 7,100.00                                                                                 | 4,243.37              | 4,294.67              | 4,292.51              | 39.39                            | 119.36                        | -82.94                | 705.24                 | 3,659.78     | 393.59                                         | 257.06                  | 136.54                    | 2.883                     |                              |
| 7,200.00                                                                                 | 4,246.81              | 4,298.12              | 4,295.96              | 40.43                            | 119.45                        | -84.81                | 705.23                 | 3,659.78     | 298.43                                         | 159.93                  | 138.49                    | 2.155                     |                              |
| 7,300.00                                                                                 | 4,250.26              | 4,301.57              | 4,299.42              | 41.48                            | 119.54                        | -86.69                | 705.23                 | 3,659.78     | 207.78                                         | 64.82                   | 142.96                    | 1.453 Level 3             |                              |
| 7,400.00                                                                                 | 4,253.71              | 4,305.03              | 4,302.87              | 42.53                            | 119.63                        | -88.58                | 705.22                 | 3,659.78     | 131.41                                         | -22.21                  | 153.62                    | 0.855 Level 1             |                              |
| 7,479.64                                                                                 | 4,256.46              | 4,307.78              | 4,305.62              | 43.36                            | 119.70                        | -90.09                | 705.22                 | 3,659.78     | 104.52                                         | -58.49                  | 163.02                    | 0.641 Level 1, CC, ES, SF |                              |
| 7,500.00                                                                                 | 4,257.16              | 4,308.48              | 4,306.32              | 43.58                            | 119.72                        | -90.47                | 705.22                 | 3,659.78     | 106.48                                         | -56.43                  | 162.91                    | 0.654 Level 1             |                              |
| 7,600.00                                                                                 | 4,260.60              | 4,311.93              | 4,309.78              | 44.64                            | 119.81                        | -92.36                | 705.21                 | 3,659.78     | 159.32                                         | 6.67                    | 152.65                    | 1.044 Level 2             |                              |
| 7,700.00                                                                                 | 4,264.05              | 4,315.39              | 4,313.23              | 45.70                            | 119.90                        | -94.25                | 705.21                 | 3,659.78     | 243.73                                         | 98.30                   | 145.43                    | 1.676                     |                              |
| 7,800.00                                                                                 | 4,267.50              | 4,318.84              | 4,316.68              | 46.76                            | 119.99                        | -96.13                | 705.20                 | 3,659.78     | 336.75                                         | 194.69                  | 142.06                    | 2.370                     |                              |
| 7,900.00                                                                                 | 4,270.95              | 4,322.29              | 4,320.13              | 47.83                            | 120.08                        | -97.99                | 705.19                 | 3,659.78     | 432.87                                         | 292.51                  | 140.36                    | 3.084                     |                              |
| 8,000.00                                                                                 | 4,274.39              | 4,325.74              | 4,323.58              | 48.89                            | 120.17                        | -99.84                | 705.19                 | 3,659.78     | 530.40                                         | 390.98                  | 139.42                    | 3.804                     |                              |
| 8,100.00                                                                                 | 4,277.84              | 4,329.19              | 4,327.04              | 49.97                            | 120.26                        | -101.66               | 705.18                 | 3,659.78     | 628.69                                         | 489.82                  | 138.88                    | 4.527                     |                              |
| 8,200.00                                                                                 | 4,281.29              | 4,332.65              | 4,330.49              | 51.04                            | 120.35                        | -103.47               | 705.17                 | 3,659.78     | 727.43                                         | 588.88                  | 138.55                    | 5.250                     |                              |
| 8,300.00                                                                                 | 4,284.74              | 4,336.10              | 4,333.94              | 52.12                            | 120.43                        | -105.24               | 705.16                 | 3,659.78     | 826.46                                         | 688.10                  | 138.36                    | 5.973                     |                              |
| 8,400.00                                                                                 | 4,288.18              | 4,339.55              | 4,337.39              | 53.19                            | 120.52                        | -106.99               | 705.16                 | 3,659.78     | 925.68                                         | 787.43                  | 138.25                    | 6.696                     |                              |
| 8,500.00                                                                                 | 4,291.63              | 4,343.00              | 4,340.84              | 54.27                            | 120.61                        | -108.70               | 705.15                 | 3,659.78     | 1,025.05                                       | 886.84                  | 138.21                    | 7.417                     |                              |
| 8,600.00                                                                                 | 4,295.08              | 4,346.45              | 4,344.29              | 55.36                            | 120.70                        | -110.38               | 705.14                 | 3,659.78     | 1,124.51                                       | 986.32                  | 138.20                    | 8.137                     |                              |
| 8,700.00                                                                                 | 4,298.53              | 4,349.90              | 4,347.74              | 56.44                            | 120.79                        | -112.03               | 705.13                 | 3,659.78     | 1,224.06                                       | 1,085.83                | 138.22                    | 8.856                     |                              |
| 8,800.00                                                                                 | 4,301.97              | 4,353.35              | 4,351.19              | 57.53                            | 120.88                        | -113.64               | 705.12                 | 3,659.78     | 1,323.66                                       | 1,185.39                | 138.27                    | 9.573                     |                              |
| 8,900.00                                                                                 | 4,305.42              | 4,356.80              | 4,354.64              | 58.61                            | 120.97                        | -115.21               | 705.11                 | 3,659.78     | 1,423.31                                       | 1,284.98                | 138.33                    | 10.289                    |                              |
| 9,000.00                                                                                 | 4,308.87              | 4,360.25              | 4,358.09              | 59.70                            | 121.06                        | -116.74               | 705.11                 | 3,659.78     | 1,523.00                                       | 1,384.59                | 138.41                    | 11.004                    |                              |
| 9,100.00                                                                                 | 4,312.32              | 4,363.70              | 4,361.54              | 60.79                            | 121.15                        | -118.23               | 705.10                 | 3,659.78     | 1,622.72                                       | 1,484.22                | 138.50                    | 11.717                    |                              |
| 9,200.00                                                                                 | 4,315.76              | 4,367.15              | 4,364.99              | 61.88                            | 121.24                        | -119.68               | 705.09                 | 3,659.78     | 1,722.46                                       | 1,583.87                | 138.60                    | 12.428                    |                              |
| 9,300.00                                                                                 | 4,319.21              | 4,370.60              | 4,368.44              | 62.97                            | 121.33                        | -121.09               | 705.08                 | 3,659.78     | 1,822.23                                       | 1,683.53                | 138.70                    | 13.138                    |                              |
| 9,400.00                                                                                 | 4,322.66              | 4,374.04              | 4,371.88              | 64.07                            | 121.42                        | -122.46               | 705.07                 | 3,659.78     | 1,922.01                                       | 1,783.20                | 138.81                    | 13.846                    |                              |
| 9,500.00                                                                                 | 4,326.11              | 4,377.49              | 4,375.33              | 65.16                            | 121.51                        | -123.79               | 705.05                 | 3,659.78     | 2,021.81                                       | 1,882.89                | 138.93                    | 14.553                    |                              |
| 9,600.00                                                                                 | 4,329.55              | 4,380.94              | 4,378.78              | 66.26                            | 121.60                        | -125.08               | 705.04                 | 3,659.78     | 2,121.63                                       | 1,982.58                | 139.05                    | 15.258                    |                              |
| 9,700.00                                                                                 | 4,333.00              | 4,384.39              | 4,382.23              | 67.35                            | 121.68                        | -126.33               | 705.03                 | 3,659.78     | 2,221.45                                       | 2,082.28                | 139.17                    | 15.962                    |                              |
| 9,757.94                                                                                 | 4,335.00              | 4,386.39              | 4,384.23              | 67.99                            | 121.74                        | -127.04               | 705.03                 | 3,659.78     | 2,279.29                                       | 2,140.04                | 139.25                    | 16.369                    |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 21 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |        |                                                |        |                           |                   | Offset Site Error: |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|--------|------------------------------------------------|--------|---------------------------|-------------------|--------------------|
| Survey Program: 253-INC-ONLY                                                              |                       |                       |                       |                                  |                               |                       |                        |        |                                                |        |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |        | Rule Assigned: Distance Between Centres (usft) |        | Minimum Separation (usft) | Separation Factor | Warning            |
| +N/-S (usft)                                                                              | +E/-W (usft)          |                       |                       |                                  |                               |                       |                        |        |                                                |        |                           |                   |                    |
| 0.00                                                                                      | 0.00                  | 0.00                  | 0.00                  | 0.00                             | 0.00                          | 84.64                 | 42.47                  | 452.82 | 454.82                                         | 452.75 | 2.06                      | 221.239           |                    |
| 100.00                                                                                    | 100.00                | 96.00                 | 96.00                 | 0.29                             | 1.77                          | 84.64                 | 42.47                  | 452.82 | 454.81                                         | 450.55 | 4.26                      | 106.841           |                    |
| 200.00                                                                                    | 200.00                | 196.00                | 196.00                | 0.65                             | 3.61                          | 84.64                 | 42.47                  | 452.82 | 454.81                                         | 450.55 | 4.26                      | 106.841           |                    |
| 300.00                                                                                    | 300.00                | 296.01                | 296.00                | 1.00                             | 5.55                          | 84.64                 | 42.47                  | 452.82 | 454.81                                         | 448.26 | 6.55                      | 69.445 CC         |                    |
| 400.00                                                                                    | 399.98                | 396.15                | 396.14                | 1.36                             | 7.60                          | 91.82                 | 42.64                  | 452.82 | 454.88                                         | 445.91 | 8.96                      | 50.742            |                    |
| 500.00                                                                                    | 499.84                | 495.87                | 495.84                | 1.73                             | 9.76                          | 92.50                 | 42.47                  | 452.82 | 455.06                                         | 443.58 | 11.48                     | 39.649            |                    |
| 600.00                                                                                    | 599.45                | 595.60                | 595.56                | 2.09                             | 11.97                         | 93.52                 | 42.93                  | 452.82 | 455.55                                         | 441.50 | 14.05                     | 32.433            |                    |
| 700.00                                                                                    | 698.70                | 694.78                | 694.70                | 2.45                             | 14.18                         | 95.08                 | 42.47                  | 452.82 | 456.45                                         | 439.83 | 16.62                     | 27.467            |                    |
| 800.00                                                                                    | 797.47                | 793.55                | 793.47                | 2.82                             | 16.42                         | 96.97                 | 42.47                  | 452.82 | 458.11                                         | 438.90 | 19.21                     | 23.842            |                    |
| 900.00                                                                                    | 896.02                | 892.01                | 891.92                | 3.17                             | 18.65                         | 98.98                 | 42.95                  | 452.82 | 460.49                                         | 438.68 | 21.81                     | 21.117            |                    |
| 1,000.00                                                                                  | 994.57                | 990.71                | 990.57                | 3.53                             | 20.83                         | 101.08                | 42.47                  | 452.82 | 463.51                                         | 439.16 | 24.35                     | 19.036            |                    |
| 1,100.00                                                                                  | 1,093.12              | 1,089.26              | 1,089.12              | 3.89                             | 22.92                         | 103.09                | 42.47                  | 452.82 | 467.11                                         | 440.30 | 26.81                     | 17.422            |                    |
| 1,200.00                                                                                  | 1,191.68              | 1,187.81              | 1,187.66              | 4.26                             | 25.02                         | 104.92                | 43.72                  | 452.82 | 471.11                                         | 441.84 | 29.27                     | 16.094            |                    |
| 1,300.00                                                                                  | 1,290.23              | 1,286.02              | 1,285.87              | 4.63                             | 27.11                         | 106.89                | 43.50                  | 452.82 | 475.86                                         | 444.13 | 31.73                     | 14.998            |                    |
| 1,400.00                                                                                  | 1,388.78              | 1,384.10              | 1,383.94              | 4.99                             | 29.20                         | 108.86                | 42.86                  | 452.82 | 481.26                                         | 447.08 | 34.18                     | 14.080            |                    |
| 1,500.00                                                                                  | 1,487.33              | 1,483.54              | 1,483.33              | 5.36                             | 31.21                         | 110.79                | 42.47                  | 452.82 | 487.18                                         | 450.62 | 36.56                     | 13.324            |                    |
| 1,600.00                                                                                  | 1,585.88              | 1,582.09              | 1,581.88              | 5.73                             | 33.14                         | 112.60                | 42.47                  | 452.82 | 493.53                                         | 454.67 | 38.86                     | 12.701            |                    |
| 1,700.00                                                                                  | 1,684.43              | 1,680.57              | 1,680.35              | 6.10                             | 35.07                         | 114.29                | 43.29                  | 452.82 | 500.12                                         | 458.97 | 41.15                     | 12.154            |                    |
| 1,800.00                                                                                  | 1,782.99              | 1,778.64              | 1,778.42              | 6.47                             | 36.99                         | 116.02                | 43.10                  | 452.82 | 507.48                                         | 464.05 | 43.43                     | 11.684            |                    |
| 1,900.00                                                                                  | 1,881.54              | 1,876.61              | 1,876.39              | 6.84                             | 38.91                         | 117.74                | 42.63                  | 452.82 | 515.41                                         | 469.69 | 45.71                     | 11.275            |                    |
| 2,000.00                                                                                  | 1,980.09              | 1,976.34              | 1,976.09              | 7.21                             | 40.77                         | 119.40                | 42.47                  | 452.82 | 523.67                                         | 475.73 | 47.94                     | 10.924            |                    |
| 2,100.00                                                                                  | 2,078.64              | 2,074.89              | 2,074.64              | 7.58                             | 42.58                         | 120.97                | 42.47                  | 452.82 | 532.29                                         | 482.18 | 50.11                     | 10.623            |                    |
| 2,200.00                                                                                  | 2,177.19              | 2,173.42              | 2,173.17              | 7.95                             | 44.39                         | 122.42                | 43.29                  | 452.82 | 540.94                                         | 488.67 | 52.28                     | 10.348            |                    |
| 2,300.00                                                                                  | 2,275.75              | 2,271.42              | 2,271.16              | 8.32                             | 46.19                         | 123.89                | 43.18                  | 452.82 | 550.37                                         | 495.93 | 54.44                     | 10.110            |                    |
| 2,400.00                                                                                  | 2,374.30              | 2,369.35              | 2,369.09              | 8.69                             | 47.98                         | 125.34                | 42.84                  | 452.82 | 560.26                                         | 503.66 | 56.59                     | 9.900             |                    |
| 2,500.00                                                                                  | 2,472.85              | 2,469.13              | 2,468.85              | 9.06                             | 49.77                         | 126.77                | 42.47                  | 452.82 | 570.52                                         | 511.77 | 58.75                     | 9.711             |                    |
| 2,600.00                                                                                  | 2,571.40              | 2,567.68              | 2,567.40              | 9.43                             | 51.45                         | 128.09                | 42.47                  | 452.82 | 580.92                                         | 520.14 | 60.78                     | 9.557             |                    |
| 2,700.00                                                                                  | 2,669.95              | 2,666.23              | 2,665.95              | 9.80                             | 53.13                         | 129.38                | 42.47                  | 452.82 | 591.62                                         | 528.81 | 62.82                     | 9.418             |                    |
| 2,800.00                                                                                  | 2,768.50              | 2,764.45              | 2,764.17              | 10.17                            | 54.80                         | 130.58                | 42.88                  | 452.82 | 602.39                                         | 537.54 | 64.85                     | 9.289             |                    |
| 2,900.00                                                                                  | 2,867.06              | 2,862.51              | 2,862.23              | 10.54                            | 56.47                         | 131.78                | 42.71                  | 452.82 | 613.74                                         | 546.87 | 66.88                     | 9.177             |                    |
| 3,000.00                                                                                  | 2,965.61              | 2,961.89              | 2,961.61              | 10.92                            | 58.18                         | 132.95                | 42.47                  | 452.82 | 625.40                                         | 556.45 | 68.95                     | 9.070             |                    |
| 3,100.00                                                                                  | 3,064.16              | 3,060.44              | 3,060.16              | 11.29                            | 60.01                         | 134.06                | 42.47                  | 452.82 | 637.17                                         | 566.03 | 71.14                     | 8.956             |                    |
| 3,200.00                                                                                  | 3,162.72              | 3,159.00              | 3,158.72              | 11.66                            | 61.85                         | 126.94                | 42.47                  | 452.82 | 648.93                                         | 575.60 | 73.33                     | 8.850             |                    |
| 3,300.00                                                                                  | 3,261.19              | 3,257.36              | 3,257.08              | 12.02                            | 63.67                         | 95.44                 | 42.70                  | 452.82 | 654.72                                         | 579.21 | 75.51                     | 8.670             |                    |
| 3,400.00                                                                                  | 3,358.69              | 3,354.58              | 3,354.30              | 12.38                            | 65.48                         | 77.09                 | 42.64                  | 452.82 | 652.67                                         | 575.00 | 77.67                     | 8.403             |                    |
| 3,500.00                                                                                  | 3,454.14              | 3,449.75              | 3,449.46              | 12.72                            | 67.25                         | 68.83                 | 42.53                  | 452.82 | 643.26                                         | 563.48 | 79.78                     | 8.063             |                    |
| 3,600.00                                                                                  | 3,546.50              | 3,542.81              | 3,542.50              | 13.04                            | 69.07                         | 66.07                 | 42.47                  | 452.82 | 627.37                                         | 545.42 | 81.95                     | 7.656             |                    |
| 3,700.00                                                                                  | 3,634.76              | 3,631.07              | 3,630.76              | 13.35                            | 70.86                         | 66.55                 | 42.47                  | 452.82 | 606.29                                         | 522.22 | 84.07                     | 7.212             |                    |
| 3,800.00                                                                                  | 3,717.94              | 3,714.26              | 3,713.94              | 13.64                            | 72.55                         | 69.24                 | 42.47                  | 452.82 | 581.84                                         | 495.75 | 86.09                     | 6.758             |                    |
| 3,900.00                                                                                  | 3,795.15              | 3,790.68              | 3,790.36              | 13.94                            | 74.09                         | 73.37                 | 43.43                  | 452.82 | 555.49                                         | 467.51 | 87.98                     | 6.314             |                    |
| 4,000.00                                                                                  | 3,865.52              | 3,859.99              | 3,859.67              | 14.28                            | 75.50                         | 78.43                 | 43.24                  | 452.82 | 531.99                                         | 442.24 | 89.75                     | 5.928             |                    |
| 4,100.00                                                                                  | 3,928.30              | 3,921.81              | 3,921.48              | 14.67                            | 76.75                         | 83.71                 | 42.95                  | 452.82 | 513.98                                         | 422.60 | 91.38                     | 5.625             |                    |
| 4,200.00                                                                                  | 3,982.79              | 3,975.46              | 3,975.13              | 15.11                            | 77.84                         | 88.51                 | 42.60                  | 452.82 | 505.18                                         | 412.33 | 92.85                     | 5.441             |                    |
| 4,220.34                                                                                  | 3,992.99              | 3,985.50              | 3,985.17              | 15.20                            | 78.04                         | 89.50                 | 42.53                  | 452.82 | 504.87                                         | 411.74 | 93.14                     | 5.421 ES          |                    |
| 4,300.00                                                                                  | 4,032.79              | 4,029.16              | 4,028.79              | 15.59                            | 78.88                         | 93.77                 | 42.47                  | 452.82 | 509.28                                         | 414.99 | 94.29                     | 5.401 SF          |                    |
| 4,400.00                                                                                  | 4,082.79              | 4,079.16              | 4,078.79              | 16.11                            | 79.84                         | 98.63                 | 42.47                  | 452.82 | 527.65                                         | 432.08 | 95.57                     | 5.521             |                    |
| 4,500.00                                                                                  | 4,125.25              | 4,121.62              | 4,121.25              | 16.67                            | 80.65                         | 99.44                 | 42.47                  | 452.82 | 560.61                                         | 464.01 | 96.61                     | 5.803             |                    |
| 4,600.00                                                                                  | 4,151.36              | 4,147.73              | 4,147.36              | 17.25                            | 81.15                         | 96.77                 | 42.47                  | 452.82 | 608.73                                         | 511.52 | 97.21                     | 6.262             |                    |
| 4,700.00                                                                                  | 4,160.63              | 4,157.00              | 4,156.63              | 17.84                            | 81.33                         | 91.72                 | 42.47                  | 452.82 | 669.39                                         | 572.01 | 97.37                     | 6.874             |                    |
| 4,800.00                                                                                  | 4,164.07              | 4,160.44              | 4,160.07              | 18.45                            | 81.40                         | 92.11                 | 42.47                  | 452.82 | 738.86                                         | 641.47 | 97.39                     | 7.587             |                    |
| 4,900.00                                                                                  | 4,167.52              | 4,163.89              | 4,163.52              | 19.11                            | 81.46                         | 92.50                 | 42.47                  | 452.82 | 814.69                                         | 717.29 | 97.40                     | 8.364             |                    |
| 5,000.00                                                                                  | 4,170.97              | 4,167.34              | 4,166.97              | 19.81                            | 81.53                         | 92.89                 | 42.47                  | 452.82 | 895.27                                         | 797.85 | 97.42                     | 9.190             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 21 - Wellbore #1 - Wellbore #1 |                             |                             |                             |                     |                  |                             |                        |                 |                              |                               |                                 | Offset Site Error:   | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Survey Program: 253-INC-ONLY                                                              |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Rule Assigned:<br>Distance   |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| Measured<br>Depth<br>(usft)                                                               | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |           |
| 5,100.00                                                                                  | 4,174.42                    | 4,170.79                    | 4,170.42                    | 20.55               | 81.60            | 93.28                       | 42.47                  | 452.82          | 979.42                       | 881.98                        | 97.44                           | 10.052               |           |
| 5,200.00                                                                                  | 4,177.86                    | 4,174.23                    | 4,173.86                    | 21.33               | 81.66            | 93.67                       | 42.47                  | 452.82          | 1,066.31                     | 968.84                        | 97.47                           | 10.940               |           |
| 5,300.00                                                                                  | 4,181.31                    | 4,177.68                    | 4,177.31                    | 22.13               | 81.73            | 94.06                       | 42.47                  | 452.82          | 1,155.30                     | 1,057.80                      | 97.51                           | 11.848               |           |
| 5,400.00                                                                                  | 4,184.76                    | 4,181.13                    | 4,180.76                    | 22.96               | 81.79            | 94.45                       | 42.47                  | 452.82          | 1,245.96                     | 1,148.41                      | 97.55                           | 12.773               |           |
| 5,500.00                                                                                  | 4,188.21                    | 4,184.58                    | 4,184.21                    | 23.82               | 81.86            | 94.84                       | 42.47                  | 452.82          | 1,337.94                     | 1,240.34                      | 97.60                           | 13.708               |           |
| 5,600.00                                                                                  | 4,191.65                    | 4,188.02                    | 4,187.65                    | 24.69               | 81.93            | 95.22                       | 42.47                  | 452.82          | 1,430.99                     | 1,333.33                      | 97.66                           | 14.653               |           |
| 5,700.00                                                                                  | 4,195.10                    | 4,191.47                    | 4,191.10                    | 25.59               | 81.99            | 95.61                       | 42.47                  | 452.82          | 1,524.91                     | 1,427.19                      | 97.72                           | 15.606               |           |
| 5,800.00                                                                                  | 4,198.55                    | 4,194.92                    | 4,194.55                    | 26.50               | 82.06            | 96.00                       | 42.47                  | 452.82          | 1,619.55                     | 1,521.77                      | 97.78                           | 16.563               |           |
| 5,900.00                                                                                  | 4,202.00                    | 4,198.37                    | 4,198.00                    | 27.43               | 82.12            | 96.38                       | 42.47                  | 452.82          | 1,714.79                     | 1,616.94                      | 97.85                           | 17.525               |           |
| 6,000.00                                                                                  | 4,205.44                    | 4,201.81                    | 4,201.44                    | 28.37               | 82.19            | 96.77                       | 42.47                  | 452.82          | 1,810.54                     | 1,712.62                      | 97.92                           | 18.490               |           |
| 6,100.00                                                                                  | 4,208.89                    | 4,205.26                    | 4,204.89                    | 29.33               | 82.26            | 97.16                       | 42.47                  | 452.82          | 1,906.72                     | 1,808.72                      | 98.00                           | 19.457               |           |
| 6,200.00                                                                                  | 4,212.34                    | 4,208.71                    | 4,208.34                    | 30.30               | 82.32            | 97.54                       | 42.47                  | 452.82          | 2,003.27                     | 1,905.19                      | 98.08                           | 20.426               |           |
| 6,300.00                                                                                  | 4,215.79                    | 4,212.16                    | 4,211.79                    | 31.28               | 82.39            | 97.92                       | 42.47                  | 452.82          | 2,100.13                     | 2,001.98                      | 98.16                           | 21.396               |           |
| 6,400.00                                                                                  | 4,219.23                    | 4,215.60                    | 4,215.23                    | 32.26               | 82.45            | 98.31                       | 42.47                  | 452.82          | 2,197.28                     | 2,099.04                      | 98.24                           | 22.366               |           |
| 6,500.00                                                                                  | 4,222.68                    | 4,219.05                    | 4,218.68                    | 33.26               | 82.52            | 98.69                       | 42.47                  | 452.82          | 2,294.66                     | 2,196.33                      | 98.33                           | 23.337               |           |
| 6,600.00                                                                                  | 4,226.13                    | 4,222.50                    | 4,222.13                    | 34.27               | 82.59            | 99.07                       | 42.47                  | 452.82          | 2,392.25                     | 2,293.84                      | 98.41                           | 24.308               |           |
| 6,700.00                                                                                  | 4,229.58                    | 4,225.95                    | 4,225.58                    | 35.28               | 82.65            | 99.45                       | 42.47                  | 452.82          | 2,490.03                     | 2,391.52                      | 98.50                           | 25.279               |           |
| 6,800.00                                                                                  | 4,233.02                    | 4,229.39                    | 4,229.02                    | 36.30               | 82.72            | 99.83                       | 42.47                  | 452.82          | 2,587.97                     | 2,489.38                      | 98.59                           | 26.249               |           |
| 6,900.00                                                                                  | 4,236.47                    | 4,232.80                    | 4,232.43                    | 37.32               | 82.78            | 100.22                      | 43.30                  | 452.82          | 2,685.89                     | 2,587.21                      | 98.68                           | 27.217               |           |
| 7,000.00                                                                                  | 4,239.92                    | 4,236.20                    | 4,235.82                    | 38.35               | 82.85            | 100.60                      | 43.30                  | 452.82          | 2,784.12                     | 2,685.34                      | 98.78                           | 28.185               |           |
| 7,100.00                                                                                  | 4,243.37                    | 4,239.59                    | 4,239.21                    | 39.39               | 82.91            | 100.97                      | 43.30                  | 452.82          | 2,882.47                     | 2,783.59                      | 98.88                           | 29.153               |           |
| 7,200.00                                                                                  | 4,246.81                    | 4,242.98                    | 4,242.61                    | 40.43               | 82.98            | 101.34                      | 43.30                  | 452.82          | 2,980.92                     | 2,881.95                      | 98.97                           | 30.119               |           |
| 7,300.00                                                                                  | 4,250.26                    | 4,246.37                    | 4,246.00                    | 41.48               | 83.04            | 101.71                      | 43.30                  | 452.82          | 3,079.47                     | 2,980.39                      | 99.07                           | 31.083               |           |
| 7,400.00                                                                                  | 4,253.71                    | 4,249.77                    | 4,249.39                    | 42.53               | 83.11            | 102.08                      | 43.29                  | 452.82          | 3,178.10                     | 3,078.93                      | 99.17                           | 32.046               |           |
| 7,500.00                                                                                  | 4,257.16                    | 4,253.16                    | 4,252.78                    | 43.58               | 83.17            | 102.45                      | 43.29                  | 452.82          | 3,276.82                     | 3,177.54                      | 99.27                           | 33.008               |           |
| 7,600.00                                                                                  | 4,260.60                    | 4,256.55                    | 4,256.17                    | 44.64               | 83.24            | 102.81                      | 43.29                  | 452.82          | 3,375.60                     | 3,276.22                      | 99.38                           | 33.968               |           |
| 7,700.00                                                                                  | 4,264.05                    | 4,259.94                    | 4,259.56                    | 45.70               | 83.30            | 103.18                      | 43.29                  | 452.82          | 3,474.45                     | 3,374.97                      | 99.48                           | 34.926               |           |
| 7,800.00                                                                                  | 4,267.50                    | 4,263.33                    | 4,262.95                    | 46.76               | 83.37            | 103.54                      | 43.28                  | 452.82          | 3,573.37                     | 3,473.78                      | 99.59                           | 35.882               |           |
| 7,900.00                                                                                  | 4,270.95                    | 4,266.72                    | 4,266.34                    | 47.83               | 83.43            | 103.91                      | 43.28                  | 452.82          | 3,672.34                     | 3,572.64                      | 99.69                           | 36.836               |           |
| 8,000.00                                                                                  | 4,274.39                    | 4,270.11                    | 4,269.73                    | 48.89               | 83.50            | 104.27                      | 43.28                  | 452.82          | 3,771.36                     | 3,671.55                      | 99.80                           | 37.788               |           |
| 8,100.00                                                                                  | 4,277.84                    | 4,273.50                    | 4,273.12                    | 49.97               | 83.56            | 104.63                      | 43.27                  | 452.82          | 3,870.42                     | 3,770.51                      | 99.91                           | 38.738               |           |
| 8,200.00                                                                                  | 4,281.29                    | 4,276.89                    | 4,276.51                    | 51.04               | 83.63            | 104.99                      | 43.27                  | 452.82          | 3,969.53                     | 3,869.51                      | 100.02                          | 39.686               |           |
| 8,300.00                                                                                  | 4,284.74                    | 4,280.28                    | 4,279.90                    | 52.12               | 83.69            | 105.35                      | 43.26                  | 452.82          | 4,068.69                     | 3,968.55                      | 100.14                          | 40.632               |           |
| 8,400.00                                                                                  | 4,288.18                    | 4,283.66                    | 4,283.29                    | 53.19               | 83.76            | 105.70                      | 43.26                  | 452.82          | 4,167.88                     | 4,067.63                      | 100.25                          | 41.575               |           |
| 8,500.00                                                                                  | 4,291.63                    | 4,287.05                    | 4,286.68                    | 54.27               | 83.82            | 106.06                      | 43.25                  | 452.82          | 4,267.10                     | 4,166.74                      | 100.36                          | 42.517               |           |
| 8,600.00                                                                                  | 4,295.08                    | 4,290.44                    | 4,290.06                    | 55.36               | 83.89            | 106.41                      | 43.25                  | 452.82          | 4,366.36                     | 4,265.88                      | 100.48                          | 43.456               |           |
| 8,700.00                                                                                  | 4,298.53                    | 4,293.83                    | 4,293.45                    | 56.44               | 83.95            | 106.77                      | 43.24                  | 452.82          | 4,465.65                     | 4,365.05                      | 100.59                          | 44.393               |           |
| 8,800.00                                                                                  | 4,301.97                    | 4,297.21                    | 4,296.84                    | 57.53               | 84.02            | 107.12                      | 43.23                  | 452.82          | 4,564.96                     | 4,464.25                      | 100.71                          | 45.327               |           |
| 8,900.00                                                                                  | 4,305.42                    | 4,300.60                    | 4,300.22                    | 58.61               | 84.08            | 107.47                      | 43.23                  | 452.82          | 4,664.31                     | 4,563.48                      | 100.83                          | 46.259               |           |
| 9,000.00                                                                                  | 4,308.87                    | 4,303.99                    | 4,303.61                    | 59.70               | 84.15            | 107.82                      | 43.22                  | 452.82          | 4,763.67                     | 4,662.72                      | 100.95                          | 47.189               |           |
| 9,100.00                                                                                  | 4,312.32                    | 4,307.37                    | 4,307.00                    | 60.79               | 84.21            | 108.17                      | 43.21                  | 452.82          | 4,863.07                     | 4,762.00                      | 101.07                          | 48.116               |           |
| 9,200.00                                                                                  | 4,315.76                    | 4,310.76                    | 4,310.38                    | 61.88               | 84.28            | 108.51                      | 43.20                  | 452.82          | 4,962.48                     | 4,861.29                      | 101.19                          | 49.041               |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design:SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 25 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |              |                 |                        |                         |                           |                         | Offset Site Error: | 0.00 usft          |           |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|-----------------|------------------------|-------------------------|---------------------------|-------------------------|--------------------|--------------------|-----------|
| Survey Program: 420-INC-ONLY                                                             |                       |                       |                       | Reference        |               | Offset                |              | Semi Major Axis |                        | Offset Wellbore Centre  |                           | Rule Assigned: Distance |                    | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft)    | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor       | Warning            |                    |           |
| 0.00                                                                                     | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -14.38                | 692.97       | -177.69         | 715.76                 |                         |                           |                         |                    |                    |           |
| 100.00                                                                                   | 100.00                | 77.10                 | 77.10                 | 0.29             | 1.42          | -14.38                | 692.97       | -177.69         | 715.39                 | 713.68                  | 1.70                      | 419.668                 |                    |                    |           |
| 200.00                                                                                   | 200.00                | 177.10                | 177.10                | 0.65             | 3.26          | -14.38                | 692.97       | -177.69         | 715.39                 | 711.49                  | 3.90                      | 183.333                 |                    |                    |           |
| 300.00                                                                                   | 300.00                | 277.10                | 277.10                | 1.00             | 5.10          | -14.38                | 692.97       | -177.69         | 715.39                 | 709.29                  | 6.10                      | 117.285                 |                    |                    |           |
| 400.00                                                                                   | 399.98                | 377.08                | 377.08                | 1.36             | 6.93          | -7.42                 | 692.97       | -177.69         | 713.66                 | 705.36                  | 8.30                      | 86.008                  |                    |                    |           |
| 500.00                                                                                   | 499.84                | 476.95                | 476.94                | 1.73             | 8.79          | -7.49                 | 692.97       | -177.69         | 708.47                 | 697.95                  | 10.51                     | 67.383                  |                    |                    |           |
| 600.00                                                                                   | 599.45                | 576.56                | 576.55                | 2.09             | 10.65         | -7.60                 | 692.97       | -177.69         | 699.83                 | 687.09                  | 12.74                     | 54.936                  |                    |                    |           |
| 700.00                                                                                   | 698.70                | 676.43                | 676.41                | 2.45             | 12.52         | -7.76                 | 693.52       | -177.69         | 688.29                 | 673.32                  | 14.97                     | 45.984                  |                    |                    |           |
| 800.00                                                                                   | 797.47                | 776.75                | 776.74                | 2.82             | 14.39         | -7.99                 | 693.31       | -177.69         | 672.61                 | 655.40                  | 17.21                     | 39.085                  |                    |                    |           |
| 900.00                                                                                   | 896.02                | 873.15                | 873.12                | 3.17             | 16.18         | -8.20                 | 692.97       | -177.69         | 655.48                 | 636.14                  | 19.35                     | 33.883                  |                    |                    |           |
| 1,000.00                                                                                 | 994.57                | 971.70                | 971.67                | 3.53             | 17.94         | -8.41                 | 692.97       | -177.69         | 638.70                 | 617.24                  | 21.46                     | 29.768                  |                    |                    |           |
| 1,100.00                                                                                 | 1,093.12              | 1,070.55              | 1,070.52              | 3.89             | 19.70         | -8.63                 | 693.38       | -177.69         | 622.32                 | 598.75                  | 23.57                     | 26.401                  |                    |                    |           |
| 1,200.00                                                                                 | 1,191.68              | 1,170.42              | 1,170.39              | 4.26             | 21.48         | -8.88                 | 693.22       | -177.69         | 605.40                 | 579.69                  | 25.71                     | 23.550                  |                    |                    |           |
| 1,300.00                                                                                 | 1,290.23              | 1,267.36              | 1,267.33              | 4.63             | 23.22         | -9.14                 | 692.97       | -177.69         | 588.40                 | 560.60                  | 27.80                     | 21.163                  |                    |                    |           |
| 1,400.00                                                                                 | 1,388.78              | 1,365.92              | 1,365.88              | 4.99             | 25.03         | -9.41                 | 692.97       | -177.69         | 571.66                 | 541.70                  | 29.96                     | 19.081                  |                    |                    |           |
| 1,500.00                                                                                 | 1,487.33              | 1,464.62              | 1,464.58              | 5.36             | 26.83         | -9.69                 | 693.13       | -177.69         | 555.09                 | 522.97                  | 32.12                     | 17.282                  |                    |                    |           |
| 1,600.00                                                                                 | 1,585.88              | 1,563.63              | 1,563.60              | 5.73             | 28.64         | -10.00                | 693.06       | -177.69         | 538.30                 | 504.02                  | 34.29                     | 15.700                  |                    |                    |           |
| 1,700.00                                                                                 | 1,684.43              | 1,661.58              | 1,661.53              | 6.10             | 30.48         | -10.32                | 692.97       | -177.69         | 521.52                 | 485.04                  | 36.48                     | 14.297                  |                    |                    |           |
| 1,800.00                                                                                 | 1,782.99              | 1,760.14              | 1,760.09              | 6.47             | 32.40         | -10.66                | 692.97       | -177.69         | 504.83                 | 466.07                  | 38.76                     | 13.025                  |                    |                    |           |
| 1,900.00                                                                                 | 1,881.54              | 1,859.31              | 1,859.25              | 6.84             | 34.34         | -11.01                | 693.53       | -177.69         | 488.70                 | 447.65                  | 41.05                     | 11.905                  |                    |                    |           |
| 2,000.00                                                                                 | 1,980.09              | 1,959.27              | 1,959.21              | 7.21             | 36.29         | -11.42                | 693.24       | -177.69         | 471.79                 | 428.43                  | 43.35                     | 10.882                  |                    |                    |           |
| 2,100.00                                                                                 | 2,078.64              | 2,055.82              | 2,055.74              | 7.58             | 38.13         | -11.85                | 692.97       | -177.69         | 454.91                 | 409.35                  | 45.56                     | 9.984                   |                    |                    |           |
| 2,200.00                                                                                 | 2,177.19              | 2,154.37              | 2,154.29              | 7.95             | 39.98         | -12.30                | 692.97       | -177.69         | 438.32                 | 390.55                  | 47.76                     | 9.177                   |                    |                    |           |
| 2,300.00                                                                                 | 2,275.75              | 2,252.93              | 2,252.85              | 8.32             | 41.82         | -12.79                | 692.97       | -177.69         | 421.75                 | 371.79                  | 49.96                     | 8.442                   |                    |                    |           |
| 2,400.00                                                                                 | 2,374.30              | 2,351.48              | 2,351.40              | 8.69             | 43.66         | -13.33                | 692.97       | -177.69         | 405.22                 | 353.06                  | 52.16                     | 7.769                   |                    |                    |           |
| 2,500.00                                                                                 | 2,472.85              | 2,450.18              | 2,450.08              | 9.06             | 45.51         | -13.83                | 694.42       | -177.69         | 390.08                 | 335.72                  | 54.36                     | 7.175                   |                    |                    |           |
| 2,600.00                                                                                 | 2,571.40              | 2,549.31              | 2,549.22              | 9.43             | 47.36         | -14.46                | 694.30       | -177.69         | 373.51                 | 316.94                  | 56.57                     | 6.602                   |                    |                    |           |
| 2,700.00                                                                                 | 2,669.95              | 2,648.39              | 2,648.29              | 9.80             | 49.21         | -15.16                | 694.01       | -177.69         | 356.83                 | 298.05                  | 58.78                     | 6.070                   |                    |                    |           |
| 2,800.00                                                                                 | 2,768.50              | 2,747.42              | 2,747.31              | 10.17            | 51.06         | -15.94                | 693.56       | -177.69         | 340.06                 | 279.07                  | 60.99                     | 5.576                   |                    |                    |           |
| 2,900.00                                                                                 | 2,867.06              | 2,844.28              | 2,844.16              | 10.54            | 52.87         | -16.79                | 692.97       | -177.69         | 323.23                 | 260.06                  | 63.17                     | 5.117                   |                    |                    |           |
| 3,000.00                                                                                 | 2,965.61              | 2,942.83              | 2,942.71              | 10.92            | 54.61         | -17.70                | 692.97       | -177.69         | 307.01                 | 241.75                  | 65.26                     | 4.704                   |                    |                    |           |
| 3,100.00                                                                                 | 3,064.16              | 3,041.38              | 3,041.26              | 11.29            | 56.35         | -18.71                | 692.97       | -177.69         | 290.88                 | 223.51                  | 67.36                     | 4.318                   |                    |                    |           |
| 3,200.00                                                                                 | 3,162.72              | 3,140.22              | 3,140.09              | 11.66            | 58.09         | -28.19                | 693.19       | -177.69         | 275.19                 | 205.72                  | 69.47                     | 3.961                   |                    |                    |           |
| 3,300.00                                                                                 | 3,261.19              | 3,238.96              | 3,238.84              | 12.02            | 59.84         | -64.15                | 693.02       | -177.69         | 263.34                 | 191.77                  | 71.57                     | 3.679                   |                    |                    |           |
| 3,400.00                                                                                 | 3,358.69              | 3,335.92              | 3,335.79              | 12.38            | 61.59         | -89.27                | 692.97       | -177.69         | 258.72                 | 185.01                  | 73.71                     | 3.510                   |                    |                    |           |
| 3,404.45                                                                                 | 3,362.99              | 3,340.22              | 3,340.09              | 12.39            | 61.67         | -90.16                | 692.97       | -177.69         | 258.71                 | 184.91                  | 73.81                     | 3.505                   | CC, ES             |                    |           |
| 3,500.00                                                                                 | 3,454.14              | 3,431.37              | 3,431.24              | 12.72            | 63.34         | -106.23               | 692.97       | -177.69         | 263.38                 | 187.53                  | 75.85                     | 3.472                   | SF                 |                    |           |
| 3,600.00                                                                                 | 3,546.50              | 3,523.87              | 3,523.74              | 13.04            | 65.03         | -118.92               | 693.22       | -177.69         | 279.55                 | 201.62                  | 77.93                     | 3.587                   |                    |                    |           |
| 3,700.00                                                                                 | 3,634.76              | 3,612.32              | 3,612.19              | 13.35            | 66.65         | -128.95               | 693.10       | -177.69         | 308.13                 | 228.20                  | 79.93                     | 3.855                   |                    |                    |           |
| 3,800.00                                                                                 | 3,717.94              | 3,695.18              | 3,695.04              | 13.64            | 68.16         | -136.80               | 692.97       | -177.69         | 349.45                 | 267.66                  | 81.79                     | 4.273                   |                    |                    |           |
| 3,900.00                                                                                 | 3,795.15              | 3,772.39              | 3,772.25              | 13.94            | 69.55         | -142.83               | 692.97       | -177.69         | 402.70                 | 319.22                  | 83.48                     | 4.824                   |                    |                    |           |
| 4,000.00                                                                                 | 3,865.52              | 3,842.76              | 3,842.62              | 14.28            | 70.83         | -147.33               | 692.97       | -177.69         | 466.45                 | 381.44                  | 85.01                     | 5.487                   |                    |                    |           |
| 4,100.00                                                                                 | 3,928.30              | 3,905.70              | 3,905.56              | 14.67            | 71.96         | -150.46               | 693.46       | -177.69         | 539.36                 | 453.00                  | 86.36                     | 6.246                   |                    |                    |           |
| 4,200.00                                                                                 | 3,982.79              | 3,960.41              | 3,960.26              | 15.11            | 72.95         | -152.51               | 693.36       | -177.69         | 619.69                 | 532.18                  | 87.51                     | 7.081                   |                    |                    |           |
| 4,300.00                                                                                 | 4,032.79              | 4,010.61              | 4,010.46              | 15.59            | 73.86         | -155.55               | 693.20       | -177.69         | 703.80                 | 615.25                  | 88.55                     | 7.948                   |                    |                    |           |
| 4,400.00                                                                                 | 4,082.79              | 4,060.80              | 4,060.65              | 16.11            | 74.77         | -158.05               | 692.97       | -177.69         | 788.44                 | 698.85                  | 89.58                     | 8.801                   |                    |                    |           |
| 4,500.00                                                                                 | 4,125.25              | 4,102.50              | 4,102.35              | 16.67            | 75.51         | -152.33               | 692.97       | -177.69         | 877.23                 | 786.79                  | 90.44                     | 9.699                   |                    |                    |           |
| 4,600.00                                                                                 | 4,151.36              | 4,128.61              | 4,128.46              | 17.25            | 75.97         | -137.34               | 692.97       | -177.69         | 972.24                 | 881.26                  | 90.98                     | 10.686                  |                    |                    |           |
| 4,700.00                                                                                 | 4,160.63              | 4,137.88              | 4,137.73              | 17.84            | 76.13         | -103.18               | 692.97       | -177.69         | 1,070.54               | 979.35                  | 91.18                     | 11.740                  |                    |                    |           |
| 4,800.00                                                                                 | 4,164.07              | 4,141.33              | 4,141.17              | 18.45            | 76.20         | -104.37               | 692.97       | -177.69         | 1,169.50               | 1,078.23                | 91.27                     | 12.814                  |                    |                    |           |
| 4,900.00                                                                                 | 4,167.52              | 4,144.77              | 4,144.62              | 19.11            | 76.26         | -105.55               | 692.97       | -177.69         | 1,268.62               | 1,177.27                | 91.35                     | 13.887                  |                    |                    |           |
| 5,000.00                                                                                 | 4,170.97              | 4,148.22              | 4,148.07              | 19.81            | 76.32         | -106.72               | 692.97       | -177.69         | 1,367.86               | 1,276.42                | 91.44                     | 14.960                  |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 25 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |              |                        |                        |                         |                           |                   | Offset Site Error: | 0.00 usft          |           |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|------------------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--------------------|-----------|
| Survey Program: 420-INC-ONLY                                                              |                       | Reference             |                       | Offset           |               | Semi Major Axis       |              | Offset Wellbore Centre |                        | Rule Assigned:          |                           |                   | Distance           | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft)           | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |                    |           |
| 5,100.00                                                                                  | 4,174.42              | 4,151.67              | 4,151.52              | 20.55            | 76.38         | -107.87               | 692.97       | -177.69                | 1,467.19               | 1,375.67                | 91.52                     | 16.031            |                    |                    |           |
| 5,200.00                                                                                  | 4,177.86              | 4,155.12              | 4,154.96              | 21.33            | 76.44         | -109.01               | 692.97       | -177.69                | 1,566.60               | 1,475.00                | 91.61                     | 17.102            |                    |                    |           |
| 5,300.00                                                                                  | 4,181.31              | 4,158.56              | 4,158.41              | 22.13            | 76.50         | -110.14               | 692.97       | -177.69                | 1,666.07               | 1,574.38                | 91.69                     | 18.171            |                    |                    |           |
| 5,400.00                                                                                  | 4,184.76              | 4,162.01              | 4,161.86              | 22.96            | 76.56         | -111.24               | 692.97       | -177.69                | 1,765.60               | 1,673.82                | 91.78                     | 19.238            |                    |                    |           |
| 5,500.00                                                                                  | 4,188.21              | 4,165.46              | 4,165.31              | 23.82            | 76.62         | -112.33               | 692.97       | -177.69                | 1,865.17               | 1,773.31                | 91.86                     | 20.304            |                    |                    |           |
| 5,600.00                                                                                  | 4,191.65              | 4,168.91              | 4,168.75              | 24.69            | 76.68         | -113.41               | 692.97       | -177.69                | 1,964.78               | 1,872.83                | 91.95                     | 21.368            |                    |                    |           |
| 5,700.00                                                                                  | 4,195.10              | 4,172.35              | 4,172.20              | 25.59            | 76.74         | -114.47               | 692.97       | -177.69                | 2,064.42               | 1,972.38                | 92.04                     | 22.430            |                    |                    |           |
| 5,800.00                                                                                  | 4,198.55              | 4,175.80              | 4,175.65              | 26.50            | 76.81         | -115.51               | 692.97       | -177.69                | 2,164.09               | 2,071.96                | 92.13                     | 23.490            |                    |                    |           |
| 5,900.00                                                                                  | 4,202.00              | 4,179.25              | 4,179.10              | 27.43            | 76.87         | -116.53               | 692.97       | -177.69                | 2,263.78               | 2,171.56                | 92.22                     | 24.548            |                    |                    |           |
| 6,000.00                                                                                  | 4,205.44              | 4,182.70              | 4,182.54              | 28.37            | 76.93         | -117.53               | 692.97       | -177.69                | 2,363.49               | 2,271.19                | 92.31                     | 25.604            |                    |                    |           |
| 6,100.00                                                                                  | 4,208.89              | 4,186.14              | 4,185.99              | 29.33            | 76.99         | -118.52               | 692.97       | -177.69                | 2,463.23               | 2,370.83                | 92.40                     | 26.658            |                    |                    |           |
| 6,200.00                                                                                  | 4,212.34              | 4,189.59              | 4,189.44              | 30.30            | 77.05         | -119.49               | 692.97       | -177.69                | 2,562.97               | 2,470.48                | 92.49                     | 27.710            |                    |                    |           |
| 6,300.00                                                                                  | 4,215.79              | 4,193.04              | 4,192.89              | 31.28            | 77.11         | -120.44               | 692.97       | -177.69                | 2,662.74               | 2,570.15                | 92.59                     | 28.759            |                    |                    |           |
| 6,400.00                                                                                  | 4,219.23              | 4,196.49              | 4,196.33              | 32.26            | 77.17         | -121.37               | 692.97       | -177.69                | 2,762.51               | 2,669.83                | 92.68                     | 29.807            |                    |                    |           |
| 6,500.00                                                                                  | 4,222.68              | 4,199.93              | 4,199.78              | 33.26            | 77.23         | -122.28               | 692.97       | -177.69                | 2,862.30               | 2,769.52                | 92.78                     | 30.852            |                    |                    |           |
| 6,600.00                                                                                  | 4,226.13              | 4,203.38              | 4,203.23              | 34.27            | 77.29         | -123.18               | 692.97       | -177.69                | 2,962.09               | 2,869.22                | 92.87                     | 31.894            |                    |                    |           |
| 6,700.00                                                                                  | 4,229.58              | 4,206.83              | 4,206.68              | 35.28            | 77.35         | -124.06               | 692.97       | -177.69                | 3,061.90               | 2,968.93                | 92.97                     | 32.934            |                    |                    |           |
| 6,800.00                                                                                  | 4,233.02              | 4,210.28              | 4,210.12              | 36.30            | 77.42         | -124.92               | 692.97       | -177.69                | 3,161.72               | 3,068.65                | 93.07                     | 33.972            |                    |                    |           |
| 6,900.00                                                                                  | 4,236.47              | 4,213.72              | 4,213.57              | 37.32            | 77.48         | -125.76               | 692.97       | -177.69                | 3,261.54               | 3,168.37                | 93.17                     | 35.007            |                    |                    |           |
| 7,000.00                                                                                  | 4,239.92              | 4,217.17              | 4,217.02              | 38.35            | 77.54         | -126.58               | 692.97       | -177.69                | 3,361.37               | 3,268.10                | 93.27                     | 36.040            |                    |                    |           |
| 7,100.00                                                                                  | 4,243.37              | 4,220.62              | 4,220.47              | 39.39            | 77.60         | -127.39               | 692.97       | -177.69                | 3,461.20               | 3,367.84                | 93.37                     | 37.070            |                    |                    |           |
| 7,200.00                                                                                  | 4,246.81              | 4,224.07              | 4,223.91              | 40.43            | 77.66         | -128.18               | 692.97       | -177.69                | 3,561.05               | 3,467.58                | 93.47                     | 38.098            |                    |                    |           |
| 7,300.00                                                                                  | 4,250.26              | 4,227.51              | 4,227.36              | 41.48            | 77.72         | -128.95               | 692.97       | -177.69                | 3,660.89               | 3,567.32                | 93.57                     | 39.123            |                    |                    |           |
| 7,400.00                                                                                  | 4,253.71              | 4,230.96              | 4,230.81              | 42.53            | 77.78         | -129.71               | 692.97       | -177.69                | 3,760.75               | 3,667.07                | 93.68                     | 40.145            |                    |                    |           |
| 7,500.00                                                                                  | 4,257.16              | 4,234.41              | 4,234.26              | 43.58            | 77.84         | -130.45               | 692.97       | -177.69                | 3,860.60               | 3,766.82                | 93.78                     | 41.165            |                    |                    |           |
| 7,600.00                                                                                  | 4,260.60              | 4,237.86              | 4,237.70              | 44.64            | 77.90         | -131.18               | 692.97       | -177.69                | 3,960.46               | 3,866.57                | 93.89                     | 42.182            |                    |                    |           |
| 7,700.00                                                                                  | 4,264.05              | 4,241.30              | 4,241.15              | 45.70            | 77.97         | -131.89               | 692.97       | -177.69                | 4,060.33               | 3,966.33                | 94.00                     | 43.197            |                    |                    |           |
| 7,800.00                                                                                  | 4,267.50              | 4,244.75              | 4,244.60              | 46.76            | 78.03         | -132.58               | 692.97       | -177.69                | 4,160.20               | 4,066.09                | 94.10                     | 44.209            |                    |                    |           |
| 7,900.00                                                                                  | 4,270.95              | 4,248.20              | 4,248.05              | 47.83            | 78.09         | -133.26               | 692.97       | -177.69                | 4,260.07               | 4,165.86                | 94.21                     | 45.218            |                    |                    |           |
| 8,000.00                                                                                  | 4,274.39              | 4,251.65              | 4,251.49              | 48.89            | 78.15         | -133.92               | 692.97       | -177.69                | 4,359.94               | 4,265.62                | 94.32                     | 46.224            |                    |                    |           |
| 8,100.00                                                                                  | 4,277.84              | 4,255.09              | 4,254.94              | 49.97            | 78.21         | -134.57               | 692.97       | -177.69                | 4,459.82               | 4,365.39                | 94.43                     | 47.227            |                    |                    |           |
| 8,200.00                                                                                  | 4,281.29              | 4,258.54              | 4,258.39              | 51.04            | 78.27         | -135.21               | 692.97       | -177.69                | 4,559.70               | 4,465.16                | 94.54                     | 48.228            |                    |                    |           |
| 8,300.00                                                                                  | 4,284.74              | 4,261.99              | 4,261.84              | 52.12            | 78.33         | -135.83               | 692.97       | -177.69                | 4,659.59               | 4,564.93                | 94.66                     | 49.226            |                    |                    |           |
| 8,400.00                                                                                  | 4,288.18              | 4,265.44              | 4,265.28              | 53.19            | 78.39         | -136.44               | 692.97       | -177.69                | 4,759.47               | 4,664.70                | 94.77                     | 50.221            |                    |                    |           |
| 8,500.00                                                                                  | 4,291.63              | 4,268.88              | 4,268.73              | 54.27            | 78.45         | -137.03               | 692.97       | -177.69                | 4,859.36               | 4,764.47                | 94.88                     | 51.213            |                    |                    |           |
| 8,600.00                                                                                  | 4,295.08              | 4,272.33              | 4,272.18              | 55.36            | 78.51         | -137.58               | 693.15       | -177.69                | 4,959.25               | 4,864.25                | 95.00                     | 52.202            |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 3 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 539-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Rule Assigned: Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 0.00                                                                                     | 0.00                  | 0.00                  | 0.00                  | 0.00                             | 0.00                          | 31.74                 | 709.53                              | 438.96                              | 834.60                          |                                        |                           |                   |                    |
| 100.00                                                                                   | 100.00                | 79.00                 | 79.00                 | 0.29                             | 1.37                          | 31.74                 | 709.53                              | 438.96                              | 834.34                          | 832.68                                 | 1.66                      | 502.476           |                    |
| 200.00                                                                                   | 200.00                | 179.00                | 179.00                | 0.65                             | 3.11                          | 31.74                 | 709.53                              | 438.96                              | 834.34                          | 830.58                                 | 3.76                      | 222.031           |                    |
| 300.00                                                                                   | 300.00                | 279.00                | 279.00                | 1.00                             | 4.85                          | 31.74                 | 709.53                              | 438.96                              | 834.34                          | 828.48                                 | 5.86                      | 142.499           |                    |
| 400.00                                                                                   | 399.98                | 378.98                | 378.98                | 1.36                             | 6.59                          | 38.82                 | 709.53                              | 438.96                              | 832.98                          | 825.02                                 | 7.95                      | 104.745           |                    |
| 500.00                                                                                   | 499.84                | 478.84                | 478.84                | 1.73                             | 8.33                          | 39.10                 | 709.53                              | 438.96                              | 828.90                          | 818.85                                 | 10.05                     | 82.480            |                    |
| 600.00                                                                                   | 599.45                | 578.45                | 578.45                | 2.09                             | 10.08                         | 39.57                 | 709.53                              | 438.96                              | 822.15                          | 809.99                                 | 12.17                     | 67.569            |                    |
| 700.00                                                                                   | 698.70                | 677.70                | 677.70                | 2.45                             | 11.87                         | 40.23                 | 709.53                              | 438.96                              | 812.77                          | 798.46                                 | 14.32                     | 56.773            |                    |
| 800.00                                                                                   | 797.47                | 776.49                | 776.49                | 2.82                             | 13.65                         | 41.08                 | 709.79                              | 438.96                              | 801.08                          | 784.62                                 | 16.46                     | 48.670            |                    |
| 900.00                                                                                   | 896.02                | 875.65                | 875.64                | 3.17                             | 15.43                         | 41.89                 | 709.74                              | 438.96                              | 788.25                          | 769.65                                 | 18.60                     | 42.376            |                    |
| 1,000.00                                                                                 | 994.57                | 974.77                | 974.76                | 3.53                             | 17.22                         | 42.73                 | 709.60                              | 438.96                              | 775.51                          | 754.77                                 | 20.74                     | 37.384            |                    |
| 1,100.00                                                                                 | 1,093.12              | 1,072.14              | 1,072.12              | 3.89                             | 19.00                         | 43.58                 | 709.53                              | 438.96                              | 763.00                          | 740.12                                 | 22.88                     | 33.344            |                    |
| 1,200.00                                                                                 | 1,191.68              | 1,170.69              | 1,170.68              | 4.26                             | 20.81                         | 44.47                 | 709.53                              | 438.96                              | 750.72                          | 725.67                                 | 25.06                     | 29.961            |                    |
| 1,300.00                                                                                 | 1,290.23              | 1,269.33              | 1,269.31              | 4.63                             | 22.63                         | 45.36                 | 710.08                              | 438.96                              | 739.07                          | 711.83                                 | 27.23                     | 27.138            |                    |
| 1,400.00                                                                                 | 1,388.78              | 1,368.85              | 1,368.84              | 4.99                             | 24.46                         | 46.32                 | 709.98                              | 438.96                              | 727.08                          | 697.66                                 | 29.43                     | 24.708            |                    |
| 1,500.00                                                                                 | 1,487.33              | 1,468.32              | 1,468.30              | 5.36                             | 26.29                         | 47.31                 | 709.71                              | 438.96                              | 715.18                          | 683.56                                 | 31.62                     | 22.618            |                    |
| 1,600.00                                                                                 | 1,585.88              | 1,564.91              | 1,564.88              | 5.73                             | 28.09                         | 48.31                 | 709.53                              | 438.96                              | 703.55                          | 669.77                                 | 33.79                     | 20.824            |                    |
| 1,700.00                                                                                 | 1,684.43              | 1,663.47              | 1,663.43              | 6.10                             | 29.95                         | 49.35                 | 709.53                              | 438.96                              | 692.30                          | 656.29                                 | 36.01                     | 19.225            |                    |
| 1,800.00                                                                                 | 1,782.99              | 1,762.11              | 1,762.07              | 6.47                             | 31.81                         | 50.39                 | 710.05                              | 438.96                              | 681.66                          | 643.42                                 | 38.24                     | 17.827            |                    |
| 1,900.00                                                                                 | 1,881.54              | 1,861.54              | 1,861.50              | 6.84                             | 33.68                         | 51.52                 | 709.94                              | 438.96                              | 670.80                          | 630.32                                 | 40.48                     | 16.571            |                    |
| 2,000.00                                                                                 | 1,980.09              | 1,960.90              | 1,960.87              | 7.21                             | 35.56                         | 52.68                 | 709.65                              | 438.96                              | 660.08                          | 617.36                                 | 42.72                     | 15.450            |                    |
| 2,100.00                                                                                 | 2,078.64              | 2,057.70              | 2,057.64              | 7.58                             | 37.46                         | 53.85                 | 709.53                              | 438.96                              | 649.76                          | 604.76                                 | 45.00                     | 14.440            |                    |
| 2,200.00                                                                                 | 2,177.19              | 2,156.25              | 2,156.19              | 7.95                             | 39.43                         | 55.06                 | 709.53                              | 438.96                              | 639.80                          | 592.46                                 | 47.34                     | 13.515            |                    |
| 2,300.00                                                                                 | 2,275.75              | 2,254.81              | 2,254.75              | 8.32                             | 41.41                         | 56.32                 | 709.53                              | 438.96                              | 630.15                          | 580.46                                 | 49.68                     | 12.683            |                    |
| 2,400.00                                                                                 | 2,374.30              | 2,353.36              | 2,353.30              | 8.69                             | 43.38                         | 57.60                 | 709.53                              | 438.96                              | 620.81                          | 568.78                                 | 52.03                     | 11.932            |                    |
| 2,500.00                                                                                 | 2,472.85              | 2,451.91              | 2,451.85              | 9.06                             | 45.36                         | 58.93                 | 709.53                              | 438.96                              | 611.79                          | 557.42                                 | 54.37                     | 11.252            |                    |
| 2,600.00                                                                                 | 2,571.40              | 2,550.70              | 2,550.62              | 9.43                             | 47.34                         | 60.17                 | 711.18                              | 438.96                              | 604.12                          | 547.39                                 | 56.72                     | 10.650            |                    |
| 2,700.00                                                                                 | 2,669.95              | 2,649.69              | 2,649.61              | 9.80                             | 49.32                         | 61.59                 | 711.06                              | 438.96                              | 595.70                          | 536.62                                 | 59.08                     | 10.083            |                    |
| 2,800.00                                                                                 | 2,768.50              | 2,748.64              | 2,748.56              | 10.17                            | 51.30                         | 63.05                 | 710.81                              | 438.96                              | 587.58                          | 526.15                                 | 61.43                     | 9.564             |                    |
| 2,900.00                                                                                 | 2,867.06              | 2,847.55              | 2,847.47              | 10.54                            | 53.28                         | 64.57                 | 710.43                              | 438.96                              | 579.80                          | 516.01                                 | 63.79                     | 9.089             |                    |
| 3,000.00                                                                                 | 2,965.61              | 2,946.42              | 2,946.33              | 10.92                            | 55.26                         | 66.13                 | 709.93                              | 438.96                              | 572.37                          | 506.22                                 | 66.14                     | 8.654             |                    |
| 3,100.00                                                                                 | 3,064.16              | 3,043.34              | 3,043.16              | 11.29                            | 57.23                         | 67.69                 | 709.53                              | 438.96                              | 565.43                          | 496.94                                 | 68.49                     | 8.256             |                    |
| 3,200.00                                                                                 | 3,162.72              | 3,141.90              | 3,141.72              | 11.66                            | 59.28                         | 61.08                 | 709.53                              | 438.96                              | 558.89                          | 487.97                                 | 70.91                     | 7.881             |                    |
| 3,300.00                                                                                 | 3,261.19              | 3,240.37              | 3,240.19              | 12.02                            | 61.34                         | 29.24                 | 709.53                              | 438.96                              | 546.48                          | 473.15                                 | 73.33                     | 7.452             |                    |
| 3,400.00                                                                                 | 3,358.69              | 3,338.48              | 3,338.28              | 12.38                            | 63.38                         | 8.88                  | 710.54                              | 438.96                              | 525.88                          | 450.15                                 | 75.73                     | 6.944             |                    |
| 3,500.00                                                                                 | 3,454.14              | 3,434.64              | 3,434.44              | 12.72                            | 65.39                         | -2.94                 | 710.13                              | 438.96                              | 496.06                          | 418.00                                 | 78.06                     | 6.355             |                    |
| 3,600.00                                                                                 | 3,546.50              | 3,525.76              | 3,525.50              | 13.04                            | 67.29                         | -11.20                | 709.53                              | 438.96                              | 457.85                          | 377.58                                 | 80.27                     | 5.704             |                    |
| 3,700.00                                                                                 | 3,634.76              | 3,614.01              | 3,613.76              | 13.35                            | 69.14                         | -18.64                | 709.53                              | 438.96                              | 412.19                          | 329.80                                 | 82.40                     | 5.002             |                    |
| 3,800.00                                                                                 | 3,717.94              | 3,697.20              | 3,696.94              | 13.64                            | 70.88                         | -26.85                | 709.53                              | 438.96                              | 359.87                          | 275.48                                 | 84.39                     | 4.264             |                    |
| 3,900.00                                                                                 | 3,795.15              | 3,774.65              | 3,774.38              | 13.94                            | 72.50                         | -37.51                | 710.48                              | 438.96                              | 303.23                          | 217.00                                 | 86.23                     | 3.517             |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,845.51              | 3,845.23              | 14.28                            | 73.99                         | -51.62                | 710.28                              | 438.96                              | 244.67                          | 156.74                                 | 87.93                     | 2.782             |                    |
| 4,100.00                                                                                 | 3,928.30              | 3,908.69              | 3,908.42              | 14.67                            | 75.31                         | -69.32                | 709.94                              | 438.96                              | 192.38                          | 102.78                                 | 89.59                     | 2.147             |                    |
| 4,200.00                                                                                 | 3,982.79              | 3,962.11              | 3,961.79              | 15.11                            | 76.43                         | -86.95                | 709.53                              | 438.96                              | 163.20                          | 71.82                                  | 91.38                     | 1.786             |                    |
| 4,219.92                                                                                 | 3,992.78              | 3,972.10              | 3,971.78              | 15.20                            | 76.64                         | -90.00                | 709.53                              | 438.96                              | 162.29                          | 70.53                                  | 91.75                     | 1.769 CC, ES, SF  |                    |
| 4,300.00                                                                                 | 4,032.79              | 3,994.00              | 3,993.67              | 15.59                            | 77.10                         | -96.68                | 709.53                              | 438.96                              | 177.44                          | 85.09                                  | 92.35                     | 1.921             |                    |
| 4,400.00                                                                                 | 4,082.79              | 3,994.00              | 3,993.67              | 16.11                            | 77.10                         | -96.68                | 709.53                              | 438.96                              | 235.20                          | 145.97                                 | 89.24                     | 2.636             |                    |
| 4,500.00                                                                                 | 4,125.25              | 3,994.00              | 3,993.67              | 16.67                            | 77.10                         | -83.36                | 709.53                              | 438.96                              | 315.10                          | 227.87                                 | 87.23                     | 3.612             |                    |
| 4,600.00                                                                                 | 4,151.36              | 3,994.00              | 3,993.67              | 17.25                            | 77.10                         | -65.46                | 709.53                              | 438.96                              | 403.17                          | 315.75                                 | 87.41                     | 4.612             |                    |
| 4,700.00                                                                                 | 4,160.63              | 3,994.00              | 3,993.67              | 17.84                            | 77.10                         | -51.17                | 709.53                              | 438.96                              | 493.20                          | 404.66                                 | 88.54                     | 5.570             |                    |
| 4,800.00                                                                                 | 4,164.07              | 3,994.00              | 3,993.67              | 18.45                            | 77.10                         | -51.17                | 709.53                              | 438.96                              | 585.37                          | 495.87                                 | 89.50                     | 6.540             |                    |
| 4,900.00                                                                                 | 4,167.52              | 3,994.00              | 3,993.67              | 19.11                            | 77.10                         | -51.17                | 709.53                              | 438.96                              | 679.75                          | 589.63                                 | 90.13                     | 7.542             |                    |
| 5,000.00                                                                                 | 4,170.97              | 3,994.00              | 3,993.67              | 19.81                            | 77.10                         | -51.17                | 709.53                              | 438.96                              | 775.55                          | 684.99                                 | 90.56                     | 8.564             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 3 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           |                         | Offset Site Error: | 0.00 usft          |           |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------------|--------------------|--------------------|-----------|
| Survey Program: 539-INC-ONLY                                                             |                       | Reference             |                       | Offset           |               | Semi Major Axis       |              | Highside     |                        | Offset Wellbore Centre  |                           | Rule Assigned: Distance |                    | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor       | Warning            |                    |           |
| 5,100.00                                                                                 | 4,174.42              | 3,994.00              | 3,993.67              | 20.55            | 77.10         | -51.17                | 709.53       | 438.96       | 872.29                 | 781.42                  | 90.87                     | 9.600                   |                    |                    |           |
| 5,200.00                                                                                 | 4,177.86              | 3,994.00              | 3,993.67              | 21.33            | 77.10         | -51.17                | 709.53       | 438.96       | 969.69                 | 878.59                  | 91.10                     | 10.644                  |                    |                    |           |
| 5,300.00                                                                                 | 4,181.31              | 3,994.00              | 3,993.67              | 22.13            | 77.10         | -51.17                | 709.53       | 438.96       | 1,067.57               | 976.28                  | 91.28                     | 11.695                  |                    |                    |           |
| 5,400.00                                                                                 | 4,184.76              | 3,994.00              | 3,993.67              | 22.96            | 77.10         | -51.17                | 709.53       | 438.96       | 1,165.81               | 1,074.38                | 91.43                     | 12.751                  |                    |                    |           |
| 5,500.00                                                                                 | 4,188.21              | 3,994.00              | 3,993.67              | 23.82            | 77.10         | -51.17                | 709.53       | 438.96       | 1,264.33               | 1,172.77                | 91.55                     | 13.809                  |                    |                    |           |
| 5,600.00                                                                                 | 4,191.65              | 3,994.00              | 3,993.67              | 24.69            | 77.10         | -51.17                | 709.53       | 438.96       | 1,363.06               | 1,271.40                | 91.66                     | 14.871                  |                    |                    |           |
| 5,700.00                                                                                 | 4,195.10              | 3,994.00              | 3,993.67              | 25.59            | 77.10         | -51.17                | 709.53       | 438.96       | 1,461.96               | 1,370.21                | 91.75                     | 15.934                  |                    |                    |           |
| 5,800.00                                                                                 | 4,198.55              | 3,994.00              | 3,993.67              | 26.50            | 77.10         | -51.17                | 709.53       | 438.96       | 1,561.01               | 1,469.18                | 91.83                     | 16.999                  |                    |                    |           |
| 5,900.00                                                                                 | 4,202.00              | 3,994.00              | 3,993.67              | 27.43            | 77.10         | -51.17                | 709.53       | 438.96       | 1,660.17               | 1,568.26                | 91.90                     | 18.064                  |                    |                    |           |
| 6,000.00                                                                                 | 4,205.44              | 3,994.00              | 3,993.67              | 28.37            | 77.10         | -51.17                | 709.53       | 438.96       | 1,759.42               | 1,667.45                | 91.97                     | 19.130                  |                    |                    |           |
| 6,100.00                                                                                 | 4,208.89              | 3,994.00              | 3,993.67              | 29.33            | 77.10         | -51.17                | 709.53       | 438.96       | 1,858.76               | 1,766.72                | 92.03                     | 20.197                  |                    |                    |           |
| 6,200.00                                                                                 | 4,212.34              | 3,994.00              | 3,993.67              | 30.30            | 77.10         | -51.17                | 709.53       | 438.96       | 1,958.16               | 1,866.07                | 92.09                     | 21.263                  |                    |                    |           |
| 6,300.00                                                                                 | 4,215.79              | 3,994.00              | 3,993.67              | 31.28            | 77.10         | -51.17                | 709.53       | 438.96       | 2,057.62               | 1,965.47                | 92.15                     | 22.329                  |                    |                    |           |
| 6,400.00                                                                                 | 4,219.23              | 3,994.00              | 3,993.67              | 32.26            | 77.10         | -51.17                | 709.53       | 438.96       | 2,157.13               | 2,064.93                | 92.20                     | 23.396                  |                    |                    |           |
| 6,500.00                                                                                 | 4,222.68              | 3,994.00              | 3,993.67              | 33.26            | 77.10         | -51.17                | 709.53       | 438.96       | 2,256.68               | 2,164.43                | 92.25                     | 24.461                  |                    |                    |           |
| 6,600.00                                                                                 | 4,226.13              | 3,994.00              | 3,993.67              | 34.27            | 77.10         | -51.17                | 709.53       | 438.96       | 2,356.27               | 2,263.97                | 92.31                     | 25.527                  |                    |                    |           |
| 6,700.00                                                                                 | 4,229.58              | 3,994.00              | 3,993.67              | 35.28            | 77.10         | -51.17                | 709.53       | 438.96       | 2,455.90               | 2,363.54                | 92.36                     | 26.591                  |                    |                    |           |
| 6,800.00                                                                                 | 4,233.02              | 3,994.00              | 3,993.67              | 36.30            | 77.10         | -51.17                | 709.53       | 438.96       | 2,555.55               | 2,463.14                | 92.41                     | 27.656                  |                    |                    |           |
| 6,900.00                                                                                 | 4,236.47              | 3,994.00              | 3,993.67              | 37.32            | 77.10         | -51.17                | 709.53       | 438.96       | 2,655.23               | 2,562.77                | 92.46                     | 28.719                  |                    |                    |           |
| 7,000.00                                                                                 | 4,239.92              | 3,994.00              | 3,993.67              | 38.35            | 77.10         | -51.17                | 709.53       | 438.96       | 2,754.93               | 2,662.43                | 92.51                     | 29.781                  |                    |                    |           |
| 7,100.00                                                                                 | 4,243.37              | 3,994.00              | 3,993.67              | 39.39            | 77.10         | -51.17                | 709.53       | 438.96       | 2,854.66               | 2,762.10                | 92.55                     | 30.843                  |                    |                    |           |
| 7,200.00                                                                                 | 4,246.81              | 3,994.00              | 3,993.67              | 40.43            | 77.10         | -51.17                | 709.53       | 438.96       | 2,954.40               | 2,861.79                | 92.60                     | 31.904                  |                    |                    |           |
| 7,300.00                                                                                 | 4,250.26              | 3,994.00              | 3,993.67              | 41.48            | 77.10         | -51.17                | 709.53       | 438.96       | 3,054.16               | 2,961.50                | 92.65                     | 32.963                  |                    |                    |           |
| 7,400.00                                                                                 | 4,253.71              | 3,994.00              | 3,993.67              | 42.53            | 77.10         | -51.17                | 709.53       | 438.96       | 3,153.93               | 3,061.23                | 92.70                     | 34.022                  |                    |                    |           |
| 7,500.00                                                                                 | 4,257.16              | 3,994.00              | 3,993.67              | 43.58            | 77.10         | -51.17                | 709.53       | 438.96       | 3,253.72               | 3,160.97                | 92.75                     | 35.080                  |                    |                    |           |
| 7,600.00                                                                                 | 4,260.60              | 3,994.00              | 3,993.67              | 44.64            | 77.10         | -51.17                | 709.53       | 438.96       | 3,353.52               | 3,260.72                | 92.80                     | 36.136                  |                    |                    |           |
| 7,700.00                                                                                 | 4,264.05              | 3,994.00              | 3,993.67              | 45.70            | 77.10         | -51.17                | 709.53       | 438.96       | 3,453.33               | 3,360.48                | 92.85                     | 37.191                  |                    |                    |           |
| 7,800.00                                                                                 | 4,267.50              | 3,994.00              | 3,993.67              | 46.76            | 77.10         | -51.17                | 709.53       | 438.96       | 3,553.16               | 3,460.25                | 92.91                     | 38.245                  |                    |                    |           |
| 7,900.00                                                                                 | 4,270.95              | 3,994.00              | 3,993.67              | 47.83            | 77.10         | -51.17                | 709.53       | 438.96       | 3,652.99               | 3,560.03                | 92.96                     | 39.297                  |                    |                    |           |
| 8,000.00                                                                                 | 4,274.39              | 3,994.00              | 3,993.67              | 48.89            | 77.10         | -51.17                | 709.53       | 438.96       | 3,752.83               | 3,659.82                | 93.01                     | 40.349                  |                    |                    |           |
| 8,100.00                                                                                 | 4,277.84              | 3,994.00              | 3,993.67              | 49.97            | 77.10         | -51.17                | 709.53       | 438.96       | 3,852.68               | 3,759.62                | 93.06                     | 41.399                  |                    |                    |           |
| 8,200.00                                                                                 | 4,281.29              | 3,994.00              | 3,993.67              | 51.04            | 77.10         | -51.17                | 709.53       | 438.96       | 3,952.54               | 3,859.42                | 93.12                     | 42.447                  |                    |                    |           |
| 8,300.00                                                                                 | 4,284.74              | 3,994.00              | 3,993.67              | 52.12            | 77.10         | -51.17                | 709.53       | 438.96       | 4,052.40               | 3,959.23                | 93.17                     | 43.494                  |                    |                    |           |
| 8,400.00                                                                                 | 4,288.18              | 3,994.00              | 3,993.67              | 53.19            | 77.10         | -51.17                | 709.53       | 438.96       | 4,152.27               | 4,059.05                | 93.23                     | 44.540                  |                    |                    |           |
| 8,500.00                                                                                 | 4,291.63              | 3,994.00              | 3,993.67              | 54.27            | 77.10         | -51.17                | 709.53       | 438.96       | 4,252.15               | 4,158.87                | 93.28                     | 45.584                  |                    |                    |           |
| 8,600.00                                                                                 | 4,295.08              | 3,994.00              | 3,993.67              | 55.36            | 77.10         | -51.17                | 709.53       | 438.96       | 4,352.03               | 4,258.69                | 93.34                     | 46.626                  |                    |                    |           |
| 8,700.00                                                                                 | 4,298.53              | 3,994.00              | 3,993.67              | 56.44            | 77.10         | -51.17                | 709.53       | 438.96       | 4,451.92               | 4,358.53                | 93.40                     | 47.667                  |                    |                    |           |
| 8,800.00                                                                                 | 4,301.97              | 3,994.00              | 3,993.67              | 57.53            | 77.10         | -51.17                | 709.53       | 438.96       | 4,551.81               | 4,458.36                | 93.45                     | 48.707                  |                    |                    |           |
| 8,900.00                                                                                 | 4,305.42              | 3,994.00              | 3,993.67              | 58.61            | 77.10         | -51.17                | 709.53       | 438.96       | 4,651.71               | 4,558.20                | 93.51                     | 49.745                  |                    |                    |           |
| 9,000.00                                                                                 | 4,308.87              | 3,994.00              | 3,993.67              | 59.70            | 77.10         | -51.17                | 709.53       | 438.96       | 4,751.61               | 4,658.04                | 93.57                     | 50.781                  |                    |                    |           |
| 9,100.00                                                                                 | 4,312.32              | 3,994.00              | 3,993.67              | 60.79            | 77.10         | -51.17                | 709.53       | 438.96       | 4,851.52               | 4,757.89                | 93.63                     | 51.815                  |                    |                    |           |
| 9,200.00                                                                                 | 4,315.76              | 3,994.00              | 3,993.67              | 61.88            | 77.10         | -51.17                | 709.53       | 438.96       | 4,951.43               | 4,857.74                | 93.69                     | 52.848                  |                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 7 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------------|---------------------------|-------------------|--------------------|
| Survey Program: 425-INC-ONLY                                                             |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Well Error: |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Rule Assigned: Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |
| 0.00                                                                                     | 0.00                  | 0.00                  | 0.00                  | 0.00                             | 0.00                          | -57.21                | 144.87                              | -224.85                             | 267.96                          |                                        |                           |                   |                    |
| 100.00                                                                                   | 100.00                | 84.00                 | 84.00                 | 0.29                             | 1.42                          | -57.21                | 144.87                              | -224.85                             | 267.48                          | 265.77                                 | 1.71                      | 156.287           |                    |
| 200.00                                                                                   | 200.00                | 184.00                | 184.00                | 0.65                             | 3.12                          | -57.21                | 144.87                              | -224.85                             | 267.48                          | 263.71                                 | 3.77                      | 71.025            |                    |
| 300.00                                                                                   | 300.00                | 284.00                | 284.00                | 1.00                             | 4.82                          | -57.21                | 144.87                              | -224.85                             | 267.48                          | 261.66                                 | 5.82                      | 45.955            |                    |
| 400.00                                                                                   | 399.98                | 383.98                | 383.98                | 1.36                             | 6.51                          | -50.53                | 144.87                              | -224.85                             | 266.37                          | 258.49                                 | 7.87                      | 33.826            |                    |
| 500.00                                                                                   | 499.84                | 483.84                | 483.84                | 1.73                             | 8.24                          | -51.46                | 144.87                              | -224.85                             | 263.07                          | 253.10                                 | 9.97                      | 26.399            |                    |
| 600.00                                                                                   | 599.45                | 583.45                | 583.45                | 2.09                             | 10.00                         | -53.06                | 144.87                              | -224.85                             | 257.72                          | 245.64                                 | 12.08                     | 21.339            |                    |
| 700.00                                                                                   | 698.70                | 682.70                | 682.70                | 2.45                             | 11.74                         | -55.39                | 144.87                              | -224.85                             | 250.56                          | 236.38                                 | 14.18                     | 17.666            |                    |
| 800.00                                                                                   | 797.47                | 781.47                | 781.47                | 2.82                             | 13.48                         | -58.54                | 144.87                              | -224.85                             | 241.97                          | 225.69                                 | 16.28                     | 14.861            |                    |
| 900.00                                                                                   | 896.02                | 880.02                | 880.02                | 3.17                             | 15.22                         | -62.05                | 144.87                              | -224.85                             | 233.47                          | 215.09                                 | 18.38                     | 12.706            |                    |
| 1,000.00                                                                                 | 994.57                | 978.57                | 978.57                | 3.53                             | 16.95                         | -65.81                | 144.87                              | -224.85                             | 225.92                          | 205.45                                 | 20.48                     | 11.034            |                    |
| 1,100.00                                                                                 | 1,093.12              | 1,077.13              | 1,077.12              | 3.89                             | 18.70                         | -69.80                | 144.87                              | -224.85                             | 219.43                          | 196.85                                 | 22.58                     | 9.717             |                    |
| 1,200.00                                                                                 | 1,191.68              | 1,175.68              | 1,175.68              | 4.26                             | 20.44                         | -74.00                | 144.87                              | -224.85                             | 214.09                          | 189.40                                 | 24.69                     | 8.670             |                    |
| 1,300.00                                                                                 | 1,290.23              | 1,274.24              | 1,274.24              | 4.63                             | 22.18                         | -78.33                | 145.11                              | -224.85                             | 210.00                          | 183.20                                 | 26.80                     | 7.835             |                    |
| 1,400.00                                                                                 | 1,388.78              | 1,372.79              | 1,372.78              | 4.99                             | 23.93                         | -82.89                | 144.99                              | -224.85                             | 207.19                          | 178.27                                 | 28.92                     | 7.165             |                    |
| 1,500.00                                                                                 | 1,487.33              | 1,471.34              | 1,471.33              | 5.36                             | 25.68                         | -87.55                | 144.87                              | -224.85                             | 205.76                          | 174.72                                 | 31.04                     | 6.629             |                    |
| 1,552.68                                                                                 | 1,539.24              | 1,523.25              | 1,523.24              | 5.56                             | 26.61                         | -90.00                | 144.87                              | -224.85                             | 205.57                          | 173.40                                 | 32.16                     | 6.391 CC          |                    |
| 1,600.00                                                                                 | 1,585.88              | 1,569.89              | 1,569.88              | 5.73                             | 27.44                         | -92.20                | 144.87                              | -224.85                             | 205.72                          | 172.55                                 | 33.18                     | 6.201             |                    |
| 1,700.00                                                                                 | 1,684.43              | 1,668.44              | 1,668.43              | 6.10                             | 29.21                         | -96.83                | 144.87                              | -224.85                             | 207.08                          | 171.77                                 | 35.31                     | 5.864 ES          |                    |
| 1,800.00                                                                                 | 1,782.99              | 1,766.93              | 1,766.93              | 6.47                             | 30.98                         | -101.31               | 145.08                              | -224.85                             | 209.73                          | 172.29                                 | 37.44                     | 5.601             |                    |
| 1,900.00                                                                                 | 1,881.54              | 1,865.40              | 1,865.39              | 6.84                             | 32.74                         | -105.74               | 144.95                              | -224.85                             | 213.81                          | 174.23                                 | 39.58                     | 5.403             |                    |
| 2,000.00                                                                                 | 1,980.09              | 1,964.11              | 1,964.09              | 7.21                             | 34.53                         | -109.98               | 144.87                              | -224.85                             | 219.12                          | 177.39                                 | 41.73                     | 5.251             |                    |
| 2,100.00                                                                                 | 2,078.64              | 2,062.66              | 2,062.64              | 7.58                             | 36.33                         | -113.99               | 144.87                              | -224.85                             | 225.55                          | 181.66                                 | 43.89                     | 5.139             |                    |
| 2,200.00                                                                                 | 2,177.19              | 2,161.21              | 2,161.19              | 7.95                             | 38.13                         | -117.76               | 144.87                              | -224.85                             | 233.04                          | 186.99                                 | 46.05                     | 5.061             |                    |
| 2,300.00                                                                                 | 2,275.75              | 2,259.55              | 2,259.53              | 8.32                             | 39.92                         | -121.18               | 145.39                              | -224.85                             | 241.17                          | 192.96                                 | 48.20                     | 5.003             |                    |
| 2,400.00                                                                                 | 2,374.30              | 2,357.82              | 2,357.80              | 8.69                             | 41.72                         | -124.49               | 145.18                              | -224.85                             | 250.60                          | 200.25                                 | 50.35                     | 4.977             |                    |
| 2,500.00                                                                                 | 2,472.85              | 2,456.89              | 2,456.85              | 9.06                             | 43.52                         | -127.60               | 144.87                              | -224.85                             | 260.89                          | 208.37                                 | 52.52                     | 4.968 SF          |                    |
| 2,600.00                                                                                 | 2,571.40              | 2,555.44              | 2,555.40              | 9.43                             | 45.30                         | -130.41               | 144.87                              | -224.85                             | 271.66                          | 217.01                                 | 54.65                     | 4.971             |                    |
| 2,700.00                                                                                 | 2,669.95              | 2,653.99              | 2,653.95              | 9.80                             | 47.07                         | -133.01               | 144.87                              | -224.85                             | 283.04                          | 226.26                                 | 56.78                     | 4.985             |                    |
| 2,800.00                                                                                 | 2,768.50              | 2,752.22              | 2,752.18              | 10.17                            | 48.84                         | -135.34               | 145.33                              | -224.85                             | 294.59                          | 235.68                                 | 58.90                     | 5.001             |                    |
| 2,900.00                                                                                 | 2,867.06              | 2,850.30              | 2,850.25              | 10.54                            | 50.61                         | -137.56               | 145.11                              | -224.85                             | 307.15                          | 246.13                                 | 61.02                     | 5.033             |                    |
| 3,000.00                                                                                 | 2,965.61              | 2,949.65              | 2,949.61              | 10.92                            | 52.40                         | -139.64               | 144.87                              | -224.85                             | 320.15                          | 256.98                                 | 63.17                     | 5.068             |                    |
| 3,100.00                                                                                 | 3,064.16              | 3,048.21              | 3,048.16              | 11.29                            | 54.18                         | -141.52               | 144.87                              | -224.85                             | 333.33                          | 268.03                                 | 65.30                     | 5.105             |                    |
| 3,200.00                                                                                 | 3,162.72              | 3,146.77              | 3,146.72              | 11.66                            | 55.95                         | -151.51               | 144.87                              | -224.85                             | 346.95                          | 279.52                                 | 67.43                     | 5.145             |                    |
| 3,300.00                                                                                 | 3,261.19              | 3,245.02              | 3,244.97              | 12.02                            | 57.72                         | -174.40               | 145.12                              | -224.85                             | 363.60                          | 294.05                                 | 69.55                     | 5.228             |                    |
| 3,400.00                                                                                 | 3,358.69              | 3,342.23              | 3,342.18              | 12.38                            | 59.47                         | -153.91               | 145.01                              | -224.85                             | 384.77                          | 313.12                                 | 71.65                     | 5.370             |                    |
| 3,500.00                                                                                 | 3,454.14              | 3,438.20              | 3,438.14              | 12.72                            | 61.22                         | -143.69               | 144.87                              | -224.85                             | 410.37                          | 336.64                                 | 73.74                     | 5.565             |                    |
| 3,600.00                                                                                 | 3,546.50              | 3,530.56              | 3,530.50              | 13.04                            | 62.95                         | -138.71               | 144.87                              | -224.85                             | 440.92                          | 365.13                                 | 75.79                     | 5.817             |                    |
| 3,700.00                                                                                 | 3,634.76              | 3,618.82              | 3,618.76              | 13.35                            | 64.60                         | -136.33               | 144.87                              | -224.85                             | 477.34                          | 399.59                                 | 77.76                     | 6.139             |                    |
| 3,800.00                                                                                 | 3,717.94              | 3,701.89              | 3,701.83              | 13.64                            | 66.16                         | -135.23               | 145.45                              | -224.85                             | 519.96                          | 440.35                                 | 79.60                     | 6.532             |                    |
| 3,900.00                                                                                 | 3,795.15              | 3,778.61              | 3,778.54              | 13.94                            | 67.59                         | -134.47               | 145.38                              | -224.85                             | 570.19                          | 488.88                                 | 81.30                     | 7.013             |                    |
| 4,000.00                                                                                 | 3,865.52              | 3,848.53              | 3,848.46              | 14.28                            | 68.90                         | -133.60               | 145.23                              | -224.85                             | 627.75                          | 544.90                                 | 82.85                     | 7.577             |                    |
| 4,100.00                                                                                 | 3,928.30              | 3,910.89              | 3,910.82              | 14.67                            | 70.07                         | -132.20               | 145.03                              | -224.85                             | 692.44                          | 608.22                                 | 84.22                     | 8.222             |                    |
| 4,200.00                                                                                 | 3,982.79              | 3,962.00              | 3,961.91              | 15.11                            | 71.03                         | -129.71               | 144.87                              | -224.85                             | 763.76                          | 678.42                                 | 85.34                     | 8.950             |                    |
| 4,300.00                                                                                 | 4,032.79              | 3,962.00              | 3,961.91              | 15.59                            | 71.03                         | -129.60               | 144.87                              | -224.85                             | 841.08                          | 755.88                                 | 85.20                     | 9.872             |                    |
| 4,400.00                                                                                 | 4,082.79              | 3,962.00              | 3,961.91              | 16.11                            | 71.03                         | -129.60               | 144.87                              | -224.85                             | 922.77                          | 837.89                                 | 84.88                     | 10.871            |                    |
| 4,500.00                                                                                 | 4,125.25              | 3,962.00              | 3,961.91              | 16.67                            | 71.03                         | -114.53               | 144.87                              | -224.85                             | 1,010.10                        | 925.51                                 | 84.58                     | 11.942            |                    |
| 4,600.00                                                                                 | 4,151.36              | 3,962.00              | 3,961.91              | 17.25                            | 71.03                         | -91.23                | 144.87                              | -224.85                             | 1,102.38                        | 1,017.91                               | 84.47                     | 13.051            |                    |
| 4,700.00                                                                                 | 4,160.63              | 3,962.00              | 3,961.91              | 17.84                            | 71.03                         | -69.77                | 144.87                              | -224.85                             | 1,196.04                        | 1,111.49                               | 84.55                     | 14.146            |                    |
| 4,800.00                                                                                 | 4,164.07              | 3,962.00              | 3,961.91              | 18.45                            | 71.03                         | -69.77                | 144.87                              | -224.85                             | 1,290.24                        | 1,205.56                               | 84.68                     | 15.236            |                    |
| 4,900.00                                                                                 | 4,167.52              | 3,962.00              | 3,961.91              | 19.11                            | 71.03                         | -69.77                | 144.87                              | -224.85                             | 1,385.25                        | 1,300.45                               | 84.80                     | 16.336            |                    |
| 5,000.00                                                                                 | 4,170.97              | 3,962.00              | 3,961.91              | 19.81                            | 71.03                         | -69.77                | 144.87                              | -224.85                             | 1,480.92                        | 1,396.02                               | 84.90                     | 17.443            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STALEY STATE 7 - Wellbore #1 - Wellbore #1 |                             |                             |                             |                             |                        |                 |                              |                               |                                 |                      |         |                    | Offset Site Error: |
|------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|--------------------|--------------------|
| Survey Program: 425-INC-ONLY                                                             |                             |                             |                             |                             |                        |                 |                              |                               |                                 |                      |         |                    | 0.00 usft          |
| Reference                                                                                | Offset                      | Semi Major Axis             |                             | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Rule Assigned:               |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning | Offset Well Error: |                    |
| Measured<br>Depth<br>(usft)                                                              | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         | 0.00 usft          |                    |
| 5,100.00                                                                                 | 4,174.42                    | 3,962.00                    | 3,961.91                    | 20.55                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 1,577.12                        | 1,492.13             | 84.99   | 18.556             |                    |
| 5,200.00                                                                                 | 4,177.86                    | 3,962.00                    | 3,961.91                    | 21.33                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 1,673.77                        | 1,588.70             | 85.07   | 19.675             |                    |
| 5,300.00                                                                                 | 4,181.31                    | 3,962.00                    | 3,961.91                    | 22.13                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 1,770.80                        | 1,685.65             | 85.15   | 20.797             |                    |
| 5,400.00                                                                                 | 4,184.76                    | 3,962.00                    | 3,961.91                    | 22.96                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 1,868.13                        | 1,782.92             | 85.22   | 21.923             |                    |
| 5,500.00                                                                                 | 4,188.21                    | 3,962.00                    | 3,961.91                    | 23.82                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 1,965.74                        | 1,880.46             | 85.28   | 23.051             |                    |
| 5,600.00                                                                                 | 4,191.65                    | 3,962.00                    | 3,961.91                    | 24.69                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,063.57                        | 1,978.23             | 85.34   | 24.181             |                    |
| 5,700.00                                                                                 | 4,195.10                    | 3,962.00                    | 3,961.91                    | 25.59                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,161.60                        | 2,076.21             | 85.40   | 25.312             |                    |
| 5,800.00                                                                                 | 4,198.55                    | 3,962.00                    | 3,961.91                    | 26.50                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,259.81                        | 2,174.35             | 85.45   | 26.445             |                    |
| 5,900.00                                                                                 | 4,202.00                    | 3,962.00                    | 3,961.91                    | 27.43                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,358.16                        | 2,272.66             | 85.51   | 27.579             |                    |
| 6,000.00                                                                                 | 4,205.44                    | 3,962.00                    | 3,961.91                    | 28.37                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,456.65                        | 2,371.09             | 85.56   | 28.714             |                    |
| 6,100.00                                                                                 | 4,208.89                    | 3,962.00                    | 3,961.91                    | 29.33                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,555.25                        | 2,469.65             | 85.61   | 29.849             |                    |
| 6,200.00                                                                                 | 4,212.34                    | 3,962.00                    | 3,961.91                    | 30.30                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,653.96                        | 2,568.31             | 85.66   | 30.984             |                    |
| 6,300.00                                                                                 | 4,215.79                    | 3,962.00                    | 3,961.91                    | 31.28                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,752.77                        | 2,667.06             | 85.71   | 32.119             |                    |
| 6,400.00                                                                                 | 4,219.23                    | 3,962.00                    | 3,961.91                    | 32.26                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,851.65                        | 2,765.90             | 85.75   | 33.254             |                    |
| 6,500.00                                                                                 | 4,222.68                    | 3,962.00                    | 3,961.91                    | 33.26                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 2,950.61                        | 2,864.81             | 85.80   | 34.388             |                    |
| 6,600.00                                                                                 | 4,226.13                    | 3,962.00                    | 3,961.91                    | 34.27                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,049.64                        | 2,963.79             | 85.85   | 35.522             |                    |
| 6,700.00                                                                                 | 4,229.58                    | 3,962.00                    | 3,961.91                    | 35.28                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,148.73                        | 3,062.83             | 85.90   | 36.656             |                    |
| 6,800.00                                                                                 | 4,233.02                    | 3,962.00                    | 3,961.91                    | 36.30                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,247.88                        | 3,161.93             | 85.95   | 37.789             |                    |
| 6,900.00                                                                                 | 4,236.47                    | 3,962.00                    | 3,961.91                    | 37.32                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,347.08                        | 3,261.08             | 86.00   | 38.921             |                    |
| 7,000.00                                                                                 | 4,239.92                    | 3,962.00                    | 3,961.91                    | 38.35                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,446.32                        | 3,360.28             | 86.05   | 40.052             |                    |
| 7,100.00                                                                                 | 4,243.37                    | 3,962.00                    | 3,961.91                    | 39.39                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,545.61                        | 3,459.51             | 86.09   | 41.183             |                    |
| 7,200.00                                                                                 | 4,246.81                    | 3,962.00                    | 3,961.91                    | 40.43                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,644.93                        | 3,558.79             | 86.14   | 42.312             |                    |
| 7,300.00                                                                                 | 4,250.26                    | 3,962.00                    | 3,961.91                    | 41.48                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,744.29                        | 3,658.10             | 86.19   | 43.440             |                    |
| 7,400.00                                                                                 | 4,253.71                    | 3,962.00                    | 3,961.91                    | 42.53                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,843.69                        | 3,757.44             | 86.24   | 44.567             |                    |
| 7,500.00                                                                                 | 4,257.16                    | 3,962.00                    | 3,961.91                    | 43.58                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 3,943.11                        | 3,856.82             | 86.30   | 45.693             |                    |
| 7,600.00                                                                                 | 4,260.60                    | 3,962.00                    | 3,961.91                    | 44.64                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,042.56                        | 3,956.22             | 86.35   | 46.818             |                    |
| 7,700.00                                                                                 | 4,264.05                    | 3,962.00                    | 3,961.91                    | 45.70                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,142.04                        | 4,055.65             | 86.40   | 47.941             |                    |
| 7,800.00                                                                                 | 4,267.50                    | 3,962.00                    | 3,961.91                    | 46.76                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,241.55                        | 4,155.10             | 86.45   | 49.063             |                    |
| 7,900.00                                                                                 | 4,270.95                    | 3,962.00                    | 3,961.91                    | 47.83                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,341.07                        | 4,254.57             | 86.51   | 50.183             |                    |
| 8,000.00                                                                                 | 4,274.39                    | 3,962.00                    | 3,961.91                    | 48.89                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,440.62                        | 4,354.06             | 86.56   | 51.301             |                    |
| 8,100.00                                                                                 | 4,277.84                    | 3,962.00                    | 3,961.91                    | 49.97                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,540.19                        | 4,453.58             | 86.61   | 52.419             |                    |
| 8,200.00                                                                                 | 4,281.29                    | 3,962.00                    | 3,961.91                    | 51.04                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,639.78                        | 4,553.11             | 86.67   | 53.534             |                    |
| 8,300.00                                                                                 | 4,284.74                    | 3,962.00                    | 3,961.91                    | 52.12                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,739.38                        | 4,652.66             | 86.73   | 54.648             |                    |
| 8,400.00                                                                                 | 4,288.18                    | 3,962.00                    | 3,961.91                    | 53.19                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,839.00                        | 4,752.22             | 86.78   | 55.760             |                    |
| 8,500.00                                                                                 | 4,291.63                    | 3,962.00                    | 3,961.91                    | 54.27                       | 71.03                  | 69.77           | 144.87                       | -224.85                       | 4,938.64                        | 4,851.80             | 86.84   | 56.871             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STATE GAS COM B 1 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                        |             |                                                |          |                           |                   | Offset Site Error: |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|------------------------|-------------|------------------------------------------------|----------|---------------------------|-------------------|--------------------|
| Survey Program: 300-UNKNOWN                                                                 |                       |                       |                       |                                  |                               |                       |                        |             |                                                |          |                           |                   | 0.00 usft          |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |             | Rule Assigned: Distance Between Centres (usft) |          | Minimum Separation (usft) | Separation Factor | Warning            |
|                                                                                             |                       |                       |                       |                                  |                               |                       | +N-S (usft)            | +E-W (usft) |                                                |          |                           |                   |                    |
| 0.00                                                                                        | 0.00                  | 83.99                 | 83.99                 | 0.00                             | 3.36                          | 83.80                 | 435.37                 | 4,006.60    | 4,030.19                                       |          |                           |                   |                    |
| 100.00                                                                                      | 100.00                | 183.99                | 183.99                | 0.29                             | 7.36                          | 83.80                 | 435.37                 | 4,006.60    | 4,030.19                                       | 4,022.54 | 7.65                      | 527.059           |                    |
| 200.00                                                                                      | 200.00                | 283.99                | 283.99                | 0.65                             | 11.36                         | 83.80                 | 435.37                 | 4,006.60    | 4,030.19                                       | 4,018.18 | 12.00                     | 335.710           |                    |
| 300.00                                                                                      | 300.00                | 383.99                | 383.99                | 1.00                             | 15.36                         | 83.80                 | 435.37                 | 4,006.60    | 4,030.19                                       | 4,013.82 | 16.36                     | 246.293           |                    |
| 400.00                                                                                      | 399.98                | 483.97                | 483.97                | 1.36                             | 19.36                         | 90.81                 | 435.37                 | 4,006.60    | 4,030.21                                       | 4,009.49 | 20.72                     | 194.504           |                    |
| 500.00                                                                                      | 499.84                | 583.83                | 583.83                | 1.73                             | 23.35                         | 90.88                 | 435.37                 | 4,006.60    | 4,030.29                                       | 4,005.21 | 25.07                     | 160.748           |                    |
| 600.00                                                                                      | 599.45                | 683.44                | 683.44                | 2.09                             | 27.34                         | 91.00                 | 435.37                 | 4,006.60    | 4,030.43                                       | 4,001.02 | 29.41                     | 137.023           |                    |
| 700.00                                                                                      | 698.70                | 782.69                | 782.69                | 2.45                             | 31.31                         | 91.17                 | 435.37                 | 4,006.60    | 4,030.66                                       | 3,996.92 | 33.74                     | 119.452           |                    |
| 800.00                                                                                      | 797.47                | 881.46                | 881.46                | 2.82                             | 35.26                         | 91.38                 | 435.37                 | 4,006.60    | 4,031.01                                       | 3,992.96 | 38.05                     | 105.928           |                    |
| 900.00                                                                                      | 896.02                | 980.01                | 980.01                | 3.17                             | 39.20                         | 91.62                 | 435.37                 | 4,006.60    | 4,031.46                                       | 3,989.10 | 42.36                     | 95.173            |                    |
| 1,000.00                                                                                    | 994.57                | 1,078.57              | 1,078.57              | 3.53                             | 43.14                         | 91.86                 | 435.37                 | 4,006.60    | 4,031.99                                       | 3,985.32 | 46.67                     | 86.400            |                    |
| 1,100.00                                                                                    | 1,093.12              | 1,177.12              | 1,177.12              | 3.89                             | 47.08                         | 92.09                 | 435.37                 | 4,006.60    | 4,032.58                                       | 3,981.60 | 50.97                     | 79.109            |                    |
| 1,200.00                                                                                    | 1,191.68              | 1,275.67              | 1,275.67              | 4.26                             | 51.03                         | 92.33                 | 435.37                 | 4,006.60    | 4,033.24                                       | 3,977.96 | 55.28                     | 72.955            |                    |
| 1,300.00                                                                                    | 1,290.23              | 1,374.22              | 1,374.22              | 4.63                             | 54.97                         | 92.57                 | 435.37                 | 4,006.60    | 4,033.98                                       | 3,974.38 | 59.59                     | 67.692            |                    |
| 1,400.00                                                                                    | 1,388.78              | 1,472.77              | 1,472.77              | 4.99                             | 58.91                         | 92.80                 | 435.37                 | 4,006.60    | 4,034.78                                       | 3,970.88 | 63.90                     | 63.139            |                    |
| 1,500.00                                                                                    | 1,487.33              | 1,571.32              | 1,571.32              | 5.36                             | 62.85                         | 93.04                 | 435.37                 | 4,006.60    | 4,035.66                                       | 3,967.45 | 68.21                     | 59.162            |                    |
| 1,600.00                                                                                    | 1,585.88              | 1,669.88              | 1,669.88              | 5.73                             | 66.80                         | 93.28                 | 435.37                 | 4,006.60    | 4,036.61                                       | 3,964.08 | 72.53                     | 55.658            |                    |
| 1,700.00                                                                                    | 1,684.43              | 1,768.43              | 1,768.43              | 6.10                             | 70.74                         | 93.51                 | 435.37                 | 4,006.60    | 4,037.63                                       | 3,960.79 | 76.84                     | 52.548            |                    |
| 1,800.00                                                                                    | 1,782.99              | 1,866.98              | 1,866.98              | 6.47                             | 74.68                         | 93.75                 | 435.37                 | 4,006.60    | 4,038.72                                       | 3,957.57 | 81.15                     | 49.770            |                    |
| 1,900.00                                                                                    | 1,881.54              | 1,965.53              | 1,965.53              | 6.84                             | 78.62                         | 93.99                 | 435.37                 | 4,006.60    | 4,039.88                                       | 3,954.42 | 85.46                     | 47.273            |                    |
| 2,000.00                                                                                    | 1,980.09              | 2,064.08              | 2,064.08              | 7.21                             | 82.56                         | 94.22                 | 435.37                 | 4,006.60    | 4,041.11                                       | 3,951.34 | 89.77                     | 45.016            |                    |
| 2,100.00                                                                                    | 2,078.64              | 2,162.63              | 2,162.63              | 7.58                             | 86.51                         | 94.46                 | 435.37                 | 4,006.60    | 4,042.41                                       | 3,948.33 | 94.08                     | 42.967            |                    |
| 2,200.00                                                                                    | 2,177.19              | 2,261.19              | 2,261.19              | 7.95                             | 90.45                         | 94.70                 | 435.37                 | 4,006.60    | 4,043.79                                       | 3,945.39 | 98.39                     | 41.098            |                    |
| 2,300.00                                                                                    | 2,275.75              | 2,359.74              | 2,359.74              | 8.32                             | 94.39                         | 94.93                 | 435.37                 | 4,006.60    | 4,045.23                                       | 3,942.52 | 102.71                    | 39.386            |                    |
| 2,400.00                                                                                    | 2,374.30              | 2,458.29              | 2,458.29              | 8.69                             | 98.33                         | 95.17                 | 435.37                 | 4,006.60    | 4,046.75                                       | 3,939.73 | 107.02                    | 37.814            |                    |
| 2,500.00                                                                                    | 2,472.85              | 2,556.84              | 2,556.84              | 9.06                             | 102.27                        | 95.40                 | 435.37                 | 4,006.60    | 4,048.33                                       | 3,937.00 | 111.33                    | 36.363            |                    |
| 2,600.00                                                                                    | 2,571.40              | 2,655.39              | 2,655.39              | 9.43                             | 106.22                        | 95.64                 | 435.37                 | 4,006.60    | 4,049.99                                       | 3,934.34 | 115.64                    | 35.022            |                    |
| 2,700.00                                                                                    | 2,669.95              | 2,753.94              | 2,753.94              | 9.80                             | 110.16                        | 95.87                 | 435.37                 | 4,006.60    | 4,051.71                                       | 3,931.76 | 119.95                    | 33.777            |                    |
| 2,800.00                                                                                    | 2,768.50              | 2,852.50              | 2,852.50              | 10.17                            | 114.10                        | 96.11                 | 435.37                 | 4,006.60    | 4,053.51                                       | 3,929.24 | 124.27                    | 32.619            |                    |
| 2,900.00                                                                                    | 2,867.06              | 2,951.05              | 2,951.05              | 10.54                            | 118.04                        | 96.34                 | 435.37                 | 4,006.60    | 4,055.37                                       | 3,926.80 | 128.58                    | 31.540            |                    |
| 3,000.00                                                                                    | 2,965.61              | 3,049.60              | 3,049.60              | 10.92                            | 121.98                        | 96.58                 | 435.37                 | 4,006.60    | 4,057.31                                       | 3,924.42 | 132.89                    | 30.531            |                    |
| 3,100.00                                                                                    | 3,064.16              | 3,148.15              | 3,148.15              | 11.29                            | 125.93                        | 96.81                 | 435.37                 | 4,006.60    | 4,059.32                                       | 3,922.11 | 137.20                    | 29.586            |                    |
| 3,200.00                                                                                    | 3,162.72              | 3,246.71              | 3,246.71              | 11.66                            | 129.87                        | 98.93                 | 435.37                 | 4,006.60    | 4,061.11                                       | 3,919.59 | 141.51                    | 28.697            |                    |
| 3,300.00                                                                                    | 3,261.19              | 3,345.18              | 3,345.18              | 12.02                            | 133.81                        | 96.45                 | 435.37                 | 4,006.60    | 4,055.61                                       | 3,909.79 | 145.82                    | 27.812            |                    |
| 3,400.00                                                                                    | 3,358.69              | 3,442.68              | 3,442.68              | 12.38                            | 137.71                        | 96.31                 | 435.37                 | 4,006.60    | 4,039.80                                       | 3,889.72 | 150.08                    | 26.918            |                    |
| 3,500.00                                                                                    | 3,454.14              | 3,538.13              | 3,538.13              | 12.72                            | 141.53                        | 95.40                 | 435.37                 | 4,006.60    | 4,013.84                                       | 3,859.59 | 154.24                    | 26.023            |                    |
| 3,600.00                                                                                    | 3,546.50              | 3,630.49              | 3,630.49              | 13.04                            | 145.22                        | 95.05                 | 435.37                 | 4,006.60    | 3,978.00                                       | 3,819.73 | 158.26                    | 25.136            |                    |
| 3,700.00                                                                                    | 3,634.76              | 3,718.75              | 3,718.75              | 13.35                            | 148.75                        | 95.00                 | 435.37                 | 4,006.60    | 3,932.66                                       | 3,770.57 | 162.09                    | 24.262            |                    |
| 3,800.00                                                                                    | 3,717.94              | 3,801.94              | 3,801.94              | 13.64                            | 152.08                        | 95.00                 | 435.37                 | 4,006.60    | 3,878.31                                       | 3,712.62 | 165.70                    | 23.406            |                    |
| 3,900.00                                                                                    | 3,795.15              | 3,879.14              | 3,879.14              | 13.94                            | 155.17                        | 95.00                 | 435.37                 | 4,006.60    | 3,815.54                                       | 3,646.51 | 169.03                    | 22.573            |                    |
| 4,000.00                                                                                    | 3,865.52              | 3,949.51              | 3,949.51              | 14.28                            | 157.98                        | 95.00                 | 435.37                 | 4,006.60    | 3,745.02                                       | 3,572.96 | 172.06                    | 21.765            |                    |
| 4,100.00                                                                                    | 3,928.30              | 4,012.29              | 4,012.29              | 14.67                            | 160.49                        | 95.00                 | 435.37                 | 4,006.60    | 3,667.52                                       | 3,492.76 | 174.76                    | 20.986            |                    |
| 4,200.00                                                                                    | 3,982.79              | 4,066.78              | 4,066.78              | 15.11                            | 162.67                        | 95.00                 | 435.37                 | 4,006.60    | 3,583.87                                       | 3,406.79 | 177.08                    | 20.238            |                    |
| 4,300.00                                                                                    | 4,032.79              | 4,116.78              | 4,116.78              | 15.59                            | 164.67                        | 95.00                 | 435.37                 | 4,006.60    | 3,497.37                                       | 3,318.17 | 179.21                    | 19.516            |                    |
| 4,400.00                                                                                    | 4,082.79              | 4,166.78              | 4,166.78              | 16.11                            | 166.67                        | 95.00                 | 435.37                 | 4,006.60    | 3,410.88                                       | 3,229.55 | 181.33                    | 18.811            |                    |
| 4,500.00                                                                                    | 4,125.25              | 4,209.24              | 4,209.24              | 16.67                            | 168.37                        | 95.00                 | 435.37                 | 4,006.60    | 3,320.59                                       | 3,137.45 | 183.14                    | 18.131            |                    |
| 4,600.00                                                                                    | 4,151.36              | 4,235.35              | 4,235.35              | 17.25                            | 169.41                        | 95.00                 | 435.37                 | 4,006.60    | 3,224.33                                       | 3,040.06 | 184.26                    | 17.498            |                    |
| 4,700.00                                                                                    | 4,160.63              | 4,244.62              | 4,244.62              | 17.84                            | 169.78                        | 95.00                 | 435.37                 | 4,006.60    | 3,125.01                                       | 2,940.33 | 184.68                    | 16.922            |                    |
| 4,800.00                                                                                    | 4,164.07              | 4,248.07              | 4,248.07              | 18.45                            | 169.92                        | 95.00                 | 435.37                 | 4,006.60    | 3,025.22                                       | 2,840.38 | 184.84                    | 16.367            |                    |
| 4,900.00                                                                                    | 4,167.52              | 4,251.51              | 4,251.51              | 19.11                            | 170.06                        | 95.00                 | 435.37                 | 4,006.60    | 2,925.45                                       | 2,740.44 | 185.01                    | 15.812            |                    |
| 5,000.00                                                                                    | 4,170.97              | 4,254.96              | 4,254.96              | 19.81                            | 170.20                        | 95.00                 | 435.37                 | 4,006.60    | 2,825.68                                       | 2,640.50 | 185.18                    | 15.259            |                    |
| 5,100.00                                                                                    | 4,174.42              | 4,258.41              | 4,258.41              | 20.55                            | 170.34                        | 95.00                 | 435.37                 | 4,006.60    | 2,725.93                                       | 2,540.58 | 185.36                    | 14.706            |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STATE GAS COM B 1 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |               |                       |                        |          |                                                |          |                           | Offset Site Error:        | 0.00 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|---------------|-----------------------|------------------------|----------|------------------------------------------------|----------|---------------------------|---------------------------|-----------|
| Survey Program: 300-UNKNOWN                                                                 |                       |                       |                       |                                  |               |                       |                        |          |                                                |          |                           | Offset Well Error:        | 0.00 usft |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre |          | Rule Assigned: Distance Between Centres (usft) |          | Minimum Separation (usft) | Separation Factor         | Warning   |
| +N/-S (usft)                                                                                | +E/-W (usft)          |                       |                       |                                  |               |                       |                        |          |                                                |          |                           |                           |           |
| 5,200.00                                                                                    | 4,177.86              | 4,261.86              | 4,261.86              | 21.33                            | 170.47        | 62.16                 | 435.37                 | 4,006.60 | 2,626.20                                       | 2,440.66 | 185.53                    | 14.155                    |           |
| 5,300.00                                                                                    | 4,181.31              | 4,265.30              | 4,265.30              | 22.13                            | 170.61        | 63.07                 | 435.37                 | 4,006.60 | 2,526.48                                       | 2,340.76 | 185.71                    | 13.604                    |           |
| 5,400.00                                                                                    | 4,184.76              | 4,268.75              | 4,268.75              | 22.96                            | 170.75        | 63.99                 | 435.37                 | 4,006.60 | 2,426.77                                       | 2,240.88 | 185.90                    | 13.054                    |           |
| 5,500.00                                                                                    | 4,188.21              | 4,272.20              | 4,272.20              | 23.82                            | 170.89        | 64.93                 | 435.37                 | 4,006.60 | 2,327.09                                       | 2,141.01 | 186.09                    | 12.505                    |           |
| 5,600.00                                                                                    | 4,191.65              | 4,275.65              | 4,275.65              | 24.69                            | 171.03        | 65.89                 | 435.37                 | 4,006.60 | 2,227.44                                       | 2,041.15 | 186.28                    | 11.957                    |           |
| 5,700.00                                                                                    | 4,195.10              | 4,279.09              | 4,279.09              | 25.59                            | 171.16        | 66.85                 | 435.37                 | 4,006.60 | 2,127.80                                       | 1,941.32 | 186.48                    | 11.410                    |           |
| 5,800.00                                                                                    | 4,198.55              | 4,282.54              | 4,282.54              | 26.50                            | 171.30        | 67.84                 | 435.37                 | 4,006.60 | 2,028.20                                       | 1,841.52 | 186.69                    | 10.864                    |           |
| 5,900.00                                                                                    | 4,202.00              | 4,285.99              | 4,285.99              | 27.43                            | 171.44        | 68.83                 | 435.37                 | 4,006.60 | 1,928.64                                       | 1,741.74 | 186.90                    | 10.319                    |           |
| 6,000.00                                                                                    | 4,205.44              | 4,289.44              | 4,289.44              | 28.37                            | 171.58        | 69.84                 | 435.37                 | 4,006.60 | 1,829.11                                       | 1,641.99 | 187.12                    | 9.775                     |           |
| 6,100.00                                                                                    | 4,208.89              | 4,292.88              | 4,292.88              | 29.33                            | 171.72        | 70.87                 | 435.37                 | 4,006.60 | 1,729.63                                       | 1,542.28 | 187.35                    | 9.232                     |           |
| 6,200.00                                                                                    | 4,212.34              | 4,296.33              | 4,296.33              | 30.30                            | 171.85        | 71.90                 | 435.37                 | 4,006.60 | 1,630.21                                       | 1,442.61 | 187.60                    | 8.690                     |           |
| 6,300.00                                                                                    | 4,215.79              | 4,299.78              | 4,299.78              | 31.28                            | 171.99        | 72.95                 | 435.37                 | 4,006.60 | 1,530.86                                       | 1,343.00 | 187.86                    | 8.149                     |           |
| 6,400.00                                                                                    | 4,219.23              | 4,303.23              | 4,303.23              | 32.26                            | 172.13        | 74.01                 | 435.37                 | 4,006.60 | 1,431.59                                       | 1,243.45 | 188.14                    | 7.609                     |           |
| 6,500.00                                                                                    | 4,222.68              | 4,306.67              | 4,306.67              | 33.26                            | 172.27        | 75.09                 | 435.37                 | 4,006.60 | 1,332.42                                       | 1,143.97 | 188.45                    | 7.070                     |           |
| 6,600.00                                                                                    | 4,226.13              | 4,310.12              | 4,310.12              | 34.27                            | 172.40        | 76.17                 | 435.37                 | 4,006.60 | 1,233.37                                       | 1,044.58 | 188.79                    | 6.533                     |           |
| 6,700.00                                                                                    | 4,229.58              | 4,313.57              | 4,313.57              | 35.28                            | 172.54        | 77.26                 | 435.37                 | 4,006.60 | 1,134.48                                       | 945.31   | 189.17                    | 5.997                     |           |
| 6,800.00                                                                                    | 4,233.02              | 4,317.02              | 4,317.02              | 36.30                            | 172.68        | 78.37                 | 435.37                 | 4,006.60 | 1,035.79                                       | 846.18   | 189.61                    | 5.463                     |           |
| 6,900.00                                                                                    | 4,236.47              | 4,320.46              | 4,320.46              | 37.32                            | 172.82        | 79.48                 | 435.37                 | 4,006.60 | 937.37                                         | 747.24   | 190.13                    | 4.930                     |           |
| 7,000.00                                                                                    | 4,239.92              | 4,323.91              | 4,323.91              | 38.35                            | 172.96        | 80.60                 | 435.37                 | 4,006.60 | 839.30                                         | 648.54   | 190.76                    | 4.400                     |           |
| 7,100.00                                                                                    | 4,243.37              | 4,327.36              | 4,327.36              | 39.39                            | 173.09        | 81.72                 | 435.37                 | 4,006.60 | 741.74                                         | 550.17   | 191.57                    | 3.872                     |           |
| 7,200.00                                                                                    | 4,246.81              | 4,330.81              | 4,330.81              | 40.43                            | 173.23        | 82.86                 | 435.37                 | 4,006.60 | 644.91                                         | 452.27   | 192.64                    | 3.348                     |           |
| 7,300.00                                                                                    | 4,250.26              | 4,334.25              | 4,334.25              | 41.48                            | 173.37        | 84.00                 | 435.37                 | 4,006.60 | 549.18                                         | 355.07   | 194.12                    | 2.829                     |           |
| 7,400.00                                                                                    | 4,253.71              | 4,337.70              | 4,337.70              | 42.53                            | 173.51        | 85.14                 | 435.37                 | 4,006.60 | 455.28                                         | 259.00   | 196.28                    | 2.320                     |           |
| 7,500.00                                                                                    | 4,257.16              | 4,341.15              | 4,341.15              | 43.58                            | 173.65        | 86.29                 | 435.37                 | 4,006.60 | 364.60                                         | 164.97   | 199.63                    | 1.826                     |           |
| 7,600.00                                                                                    | 4,260.60              | 4,344.60              | 4,344.60              | 44.64                            | 173.78        | 87.44                 | 435.37                 | 4,006.60 | 280.29                                         | 75.27    | 205.02                    | 1.367 Level 3             |           |
| 7,700.00                                                                                    | 4,264.05              | 4,348.04              | 4,348.04              | 45.70                            | 173.92        | 88.59                 | 435.37                 | 4,006.60 | 210.16                                         | -3.07    | 213.23                    | 0.986 Level 1             |           |
| 7,800.00                                                                                    | 4,267.50              | 4,351.49              | 4,351.49              | 46.76                            | 174.06        | 89.74                 | 435.37                 | 4,006.60 | 172.47                                         | -48.20   | 220.67                    | 0.782 Level 1             |           |
| 7,822.18                                                                                    | 4,268.26              | 4,352.26              | 4,352.26              | 47.00                            | 174.09        | 90.00                 | 435.37                 | 4,006.60 | 171.04                                         | -50.00   | 221.04                    | 0.774 Level 1, CC, ES, SF |           |
| 7,900.00                                                                                    | 4,270.95              | 4,354.94              | 4,354.94              | 47.83                            | 174.20        | 90.90                 | 435.37                 | 4,006.60 | 187.90                                         | -29.51   | 217.41                    | 0.864 Level 1             |           |
| 8,000.00                                                                                    | 4,274.39              | 4,358.39              | 4,358.39              | 48.89                            | 174.34        | 92.05                 | 435.37                 | 4,006.60 | 246.66                                         | 37.88    | 208.78                    | 1.181 Level 2             |           |
| 8,100.00                                                                                    | 4,277.84              | 4,361.83              | 4,361.83              | 49.97                            | 174.47        | 93.20                 | 435.37                 | 4,006.60 | 326.11                                         | 123.62   | 202.49                    | 1.610                     |           |
| 8,200.00                                                                                    | 4,281.29              | 4,365.28              | 4,365.28              | 51.04                            | 174.61        | 94.35                 | 435.37                 | 4,006.60 | 414.53                                         | 215.80   | 198.73                    | 2.086                     |           |
| 8,300.00                                                                                    | 4,284.74              | 4,368.73              | 4,368.73              | 52.12                            | 174.75        | 95.50                 | 435.37                 | 4,006.60 | 507.24                                         | 310.74   | 196.50                    | 2.581                     |           |
| 8,400.00                                                                                    | 4,288.18              | 4,372.18              | 4,372.18              | 53.19                            | 174.89        | 96.64                 | 435.37                 | 4,006.60 | 602.28                                         | 407.13   | 195.15                    | 3.086                     |           |
| 8,500.00                                                                                    | 4,291.63              | 4,375.62              | 4,375.62              | 54.27                            | 175.02        | 97.77                 | 435.37                 | 4,006.60 | 698.68                                         | 504.37   | 194.31                    | 3.596                     |           |
| 8,600.00                                                                                    | 4,295.08              | 4,379.07              | 4,379.07              | 55.36                            | 175.16        | 98.90                 | 435.37                 | 4,006.60 | 795.95                                         | 602.16   | 193.79                    | 4.107                     |           |
| 8,700.00                                                                                    | 4,298.53              | 4,382.52              | 4,382.52              | 56.44                            | 175.30        | 100.03                | 435.37                 | 4,006.60 | 893.82                                         | 700.34   | 193.47                    | 4.620                     |           |
| 8,800.00                                                                                    | 4,301.97              | 4,385.97              | 4,385.97              | 57.53                            | 175.44        | 101.14                | 435.37                 | 4,006.60 | 992.10                                         | 798.80   | 193.29                    | 5.133                     |           |
| 8,900.00                                                                                    | 4,305.42              | 4,389.41              | 4,389.41              | 58.61                            | 175.58        | 102.25                | 435.37                 | 4,006.60 | 1,090.68                                       | 897.47   | 193.20                    | 5.645                     |           |
| 9,000.00                                                                                    | 4,308.87              | 4,392.86              | 4,392.86              | 59.70                            | 175.71        | 103.35                | 435.37                 | 4,006.60 | 1,189.48                                       | 996.30   | 193.18                    | 6.157                     |           |
| 9,100.00                                                                                    | 4,312.32              | 4,396.31              | 4,396.31              | 60.79                            | 175.85        | 104.43                | 435.37                 | 4,006.60 | 1,288.46                                       | 1,095.26 | 193.20                    | 6.669                     |           |
| 9,200.00                                                                                    | 4,315.76              | 4,399.76              | 4,399.76              | 61.88                            | 175.99        | 105.51                | 435.37                 | 4,006.60 | 1,387.58                                       | 1,194.32 | 193.26                    | 7.180                     |           |
| 9,300.00                                                                                    | 4,319.21              | 4,403.20              | 4,403.20              | 62.97                            | 176.13        | 106.58                | 435.37                 | 4,006.60 | 1,486.81                                       | 1,293.46 | 193.35                    | 7.690                     |           |
| 9,400.00                                                                                    | 4,322.66              | 4,406.65              | 4,406.65              | 64.07                            | 176.27        | 107.63                | 435.37                 | 4,006.60 | 1,586.13                                       | 1,392.67 | 193.46                    | 8.199                     |           |
| 9,500.00                                                                                    | 4,326.11              | 4,410.10              | 4,410.10              | 65.16                            | 176.40        | 108.67                | 435.37                 | 4,006.60 | 1,685.52                                       | 1,491.94 | 193.58                    | 8.707                     |           |
| 9,600.00                                                                                    | 4,329.55              | 4,413.55              | 4,413.55              | 66.26                            | 176.54        | 109.70                | 435.37                 | 4,006.60 | 1,784.98                                       | 1,591.26 | 193.72                    | 9.214                     |           |
| 9,700.00                                                                                    | 4,333.00              | 4,416.99              | 4,416.99              | 67.35                            | 176.68        | 110.72                | 435.37                 | 4,006.60 | 1,884.48                                       | 1,690.61 | 193.87                    | 9.720                     |           |
| 9,757.94                                                                                    | 4,335.00              | 4,418.99              | 4,418.99              | 67.99                            | 176.76        | 111.30                | 435.37                 | 4,006.60 | 1,942.15                                       | 1,748.19 | 193.96                    | 10.013                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STATE GAS COM V 1 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Site Error: | 0.00 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 395-INC-ONLY                                                                |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                        |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Rule Assigned: Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 0.00                                                                                        | 0.00                  | 1.99                  | 1.99                  | 0.00                             | 0.04                          | -139.46               | -409.61                             | -350.30                             | 538.97                          |                                        |                           |                   |                    |           |
| 100.00                                                                                      | 100.00                | 101.99                | 101.99                | 0.29                             | 2.27                          | -139.46               | -409.61                             | -350.30                             | 538.97                          | 536.41                                 | 2.56                      | 210.594           |                    |           |
| 200.00                                                                                      | 200.00                | 201.99                | 201.99                | 0.65                             | 4.50                          | -139.46               | -409.61                             | -350.30                             | 538.97                          | 533.83                                 | 5.15                      | 104.739           |                    |           |
| 300.00                                                                                      | 300.00                | 301.99                | 301.99                | 1.00                             | 6.73                          | -139.46               | -409.61                             | -350.30                             | 538.97                          | 531.24                                 | 7.73                      | 69.703 CC         |                    |           |
| 400.00                                                                                      | 399.98                | 402.00                | 401.97                | 1.36                             | 8.96                          | -132.60               | -409.61                             | -350.30                             | 540.15                          | 529.83                                 | 10.32                     | 52.347 ES         |                    |           |
| 500.00                                                                                      | 499.84                | 501.86                | 501.83                | 1.73                             | 11.17                         | -132.95               | -409.61                             | -350.30                             | 543.71                          | 530.82                                 | 12.89                     | 42.169            |                    |           |
| 600.00                                                                                      | 599.45                | 601.48                | 601.44                | 2.09                             | 13.38                         | -133.53               | -409.61                             | -350.30                             | 549.69                          | 534.23                                 | 15.46                     | 35.548            |                    |           |
| 700.00                                                                                      | 698.70                | 699.76                | 699.71                | 2.45                             | 15.56                         | -134.22               | -408.29                             | -350.30                             | 557.14                          | 539.14                                 | 18.00                     | 30.945            |                    |           |
| 800.00                                                                                      | 797.47                | 796.64                | 796.58                | 2.82                             | 17.71                         | -135.20               | -408.71                             | -350.30                             | 568.54                          | 548.02                                 | 20.52                     | 27.710            |                    |           |
| 900.00                                                                                      | 896.02                | 893.18                | 893.11                | 3.17                             | 19.85                         | -136.40               | -409.53                             | -350.30                             | 581.46                          | 558.45                                 | 23.01                     | 25.265            |                    |           |
| 1,000.00                                                                                    | 994.57                | 996.69                | 996.57                | 3.53                             | 21.97                         | -137.58               | -409.61                             | -350.30                             | 594.00                          | 568.51                                 | 25.49                     | 23.301            |                    |           |
| 1,100.00                                                                                    | 1,093.12              | 1,095.25              | 1,095.12              | 3.89                             | 23.97                         | -138.65               | -409.61                             | -350.30                             | 606.71                          | 578.85                                 | 27.85                     | 21.782            |                    |           |
| 1,200.00                                                                                    | 1,191.68              | 1,193.66              | 1,193.52              | 4.26                             | 25.97                         | -139.62               | -408.37                             | -350.30                             | 618.58                          | 588.37                                 | 30.21                     | 20.474            |                    |           |
| 1,300.00                                                                                    | 1,290.23              | 1,290.63              | 1,290.48              | 4.63                             | 27.94                         | -140.60               | -408.54                             | -350.30                             | 631.82                          | 599.27                                 | 32.54                     | 19.415            |                    |           |
| 1,400.00                                                                                    | 1,388.78              | 1,387.50              | 1,387.35              | 4.99                             | 29.91                         | -141.56               | -409.00                             | -350.30                             | 645.49                          | 610.62                                 | 34.87                     | 18.511            |                    |           |
| 1,500.00                                                                                    | 1,487.33              | 1,489.52              | 1,489.32              | 5.36                             | 31.98                         | -142.53               | -409.61                             | -350.30                             | 659.45                          | 622.14                                 | 37.31                     | 17.676            |                    |           |
| 1,600.00                                                                                    | 1,585.88              | 1,588.07              | 1,587.88              | 5.73                             | 33.99                         | -143.40               | -409.61                             | -350.30                             | 673.06                          | 633.38                                 | 39.68                     | 16.964            |                    |           |
| 1,700.00                                                                                    | 1,684.43              | 1,685.16              | 1,684.96              | 6.10                             | 35.97                         | -144.21               | -409.17                             | -350.30                             | 686.43                          | 644.42                                 | 42.01                     | 16.338            |                    |           |
| 1,800.00                                                                                    | 1,782.99              | 1,785.21              | 1,784.98              | 6.47                             | 38.01                         | -145.05               | -409.61                             | -350.30                             | 700.71                          | 656.30                                 | 44.41                     | 15.777            |                    |           |
| 1,900.00                                                                                    | 1,881.54              | 1,883.76              | 1,883.53              | 6.84                             | 40.02                         | -145.82               | -409.61                             | -350.30                             | 714.74                          | 667.96                                 | 46.78                     | 15.278            |                    |           |
| 2,000.00                                                                                    | 1,980.09              | 1,981.53              | 1,981.29              | 7.21                             | 42.02                         | -146.54               | -408.87                             | -350.30                             | 728.23                          | 679.10                                 | 49.14                     | 14.821            |                    |           |
| 2,100.00                                                                                    | 2,078.64              | 2,076.86              | 2,076.62              | 7.58                             | 43.96                         | -147.24               | -409.21                             | -350.30                             | 742.82                          | 691.38                                 | 51.44                     | 14.441            |                    |           |
| 2,200.00                                                                                    | 2,177.19              | 2,179.46              | 2,179.19              | 7.95                             | 46.06                         | -147.98               | -409.61                             | -350.30                             | 757.55                          | 703.66                                 | 53.89                     | 14.056            |                    |           |
| 2,300.00                                                                                    | 2,275.75              | 2,278.01              | 2,277.74              | 8.32                             | 48.07                         | -148.64               | -409.61                             | -350.30                             | 772.04                          | 715.77                                 | 56.27                     | 13.721            |                    |           |
| 2,400.00                                                                                    | 2,374.30              | 2,376.56              | 2,376.29              | 8.69                             | 50.08                         | -149.28               | -409.61                             | -350.30                             | 786.63                          | 727.99                                 | 58.64                     | 13.415            |                    |           |
| 2,500.00                                                                                    | 2,472.85              | 2,473.25              | 2,472.96              | 9.06                             | 52.05                         | -149.87               | -408.93                             | -350.30                             | 800.68                          | 739.71                                 | 60.97                     | 13.133            |                    |           |
| 2,600.00                                                                                    | 2,571.40              | 2,569.83              | 2,569.55              | 9.43                             | 54.03                         | -150.46               | -409.29                             | -350.30                             | 815.79                          | 752.49                                 | 63.30                     | 12.888            |                    |           |
| 2,700.00                                                                                    | 2,669.95              | 2,672.28              | 2,671.94              | 9.80                             | 56.04                         | -151.07               | -409.61                             | -350.30                             | 830.92                          | 765.25                                 | 65.67                     | 12.653            |                    |           |
| 2,800.00                                                                                    | 2,768.50              | 2,770.83              | 2,770.50              | 10.17                            | 57.89                         | -151.62               | -409.61                             | -350.30                             | 845.85                          | 777.98                                 | 67.88                     | 12.461            |                    |           |
| 2,900.00                                                                                    | 2,867.06              | 2,869.15              | 2,868.81              | 10.54                            | 59.73                         | -152.13               | -408.57                             | -350.30                             | 859.89                          | 789.81                                 | 70.08                     | 12.270            |                    |           |
| 3,000.00                                                                                    | 2,965.61              | 2,964.83              | 2,964.48              | 10.92                            | 61.52                         | -152.64               | -408.77                             | -350.30                             | 875.15                          | 802.92                                 | 72.23                     | 12.116            |                    |           |
| 3,100.00                                                                                    | 3,064.16              | 3,060.39              | 3,060.04              | 11.29                            | 63.32                         | -153.13               | -409.30                             | -350.30                             | 890.81                          | 816.44                                 | 74.37                     | 11.977            |                    |           |
| 3,200.00                                                                                    | 3,162.72              | 3,165.07              | 3,164.71              | 11.66                            | 65.13                         | -161.97               | -409.61                             | -350.30                             | 906.36                          | 829.80                                 | 76.56                     | 11.839            |                    |           |
| 3,300.00                                                                                    | 3,261.19              | 3,263.55              | 3,263.19              | 12.02                            | 66.76                         | -164.34               | -409.61                             | -350.30                             | 923.49                          | 844.95                                 | 78.54                     | 11.758            |                    |           |
| 3,400.00                                                                                    | 3,358.69              | 3,361.05              | 3,360.68              | 12.38                            | 68.37                         | -143.50               | -409.61                             | -350.30                             | 943.11                          | 862.62                                 | 80.50                     | 11.716            |                    |           |
| 3,500.00                                                                                    | 3,454.14              | 3,456.41              | 3,456.04              | 12.72                            | 69.95                         | -132.36               | -409.24                             | -350.30                             | 964.97                          | 882.56                                 | 82.41                     | 11.709 SF         |                    |           |
| 3,600.00                                                                                    | 3,546.50              | 3,548.23              | 3,547.86              | 13.04                            | 71.47                         | -126.10               | -409.27                             | -350.30                             | 990.13                          | 905.88                                 | 84.25                     | 11.752            |                    |           |
| 3,700.00                                                                                    | 3,634.76              | 3,635.96              | 3,635.59              | 13.35                            | 72.92                         | -122.35               | -409.36                             | -350.30                             | 1,018.74                        | 932.72                                 | 86.02                     | 11.843            |                    |           |
| 3,800.00                                                                                    | 3,717.94              | 3,718.64              | 3,718.27              | 13.64                            | 74.29                         | -119.91               | -409.48                             | -350.30                             | 1,051.38                        | 963.69                                 | 87.69                     | 11.989            |                    |           |
| 3,900.00                                                                                    | 3,795.15              | 3,797.51              | 3,797.14              | 13.94                            | 75.61                         | -118.18               | -409.61                             | -350.30                             | 1,088.56                        | 999.25                                 | 89.31                     | 12.189            |                    |           |
| 4,000.00                                                                                    | 3,865.52              | 3,867.88              | 3,867.52              | 14.28                            | 76.84                         | -116.60               | -409.61                             | -350.30                             | 1,130.66                        | 1,039.83                               | 90.83                     | 12.448            |                    |           |
| 4,100.00                                                                                    | 3,928.30              | 3,930.66              | 3,930.29              | 14.67                            | 77.94                         | -114.89               | -409.61                             | -350.30                             | 1,178.10                        | 1,085.90                               | 92.20                     | 12.778            |                    |           |
| 4,200.00                                                                                    | 3,982.79              | 3,985.15              | 3,984.78              | 15.11                            | 78.90                         | -112.80               | -409.61                             | -350.30                             | 1,230.98                        | 1,137.58                               | 93.40                     | 13.180            |                    |           |
| 4,300.00                                                                                    | 4,032.79              | 4,035.15              | 4,034.78              | 15.59                            | 79.78                         | -114.93               | -409.61                             | -350.30                             | 1,288.31                        | 1,193.80                               | 94.51                     | 13.631            |                    |           |
| 4,400.00                                                                                    | 4,082.79              | 4,085.15              | 4,084.78              | 16.11                            | 80.66                         | -117.05               | -409.61                             | -350.30                             | 1,348.76                        | 1,253.14                               | 95.62                     | 14.105            |                    |           |
| 4,500.00                                                                                    | 4,125.25              | 4,127.61              | 4,127.24              | 16.67                            | 81.40                         | -111.06               | -409.61                             | -350.30                             | 1,414.77                        | 1,318.20                               | 96.58                     | 14.649            |                    |           |
| 4,600.00                                                                                    | 4,151.36              | 4,153.72              | 4,153.35              | 17.25                            | 81.86                         | -102.14               | -409.61                             | -350.30                             | 1,487.99                        | 1,390.80                               | 97.19                     | 15.309            |                    |           |
| 4,700.00                                                                                    | 4,160.63              | 4,162.99              | 4,162.62              | 17.84                            | 82.02                         | -92.61                | -409.61                             | -350.30                             | 1,566.17                        | 1,468.71                               | 97.46                     | 16.071            |                    |           |
| 4,800.00                                                                                    | 4,164.07              | 4,166.44              | 4,166.07              | 18.45                            | 82.08                         | -92.82                | -409.61                             | -350.30                             | 1,647.03                        | 1,549.44                               | 97.60                     | 16.876            |                    |           |
| 4,900.00                                                                                    | 4,167.52              | 4,169.88              | 4,169.51              | 19.11                            | 82.14                         | -93.03                | -409.61                             | -350.30                             | 1,729.89                        | 1,632.16                               | 97.73                     | 17.700            |                    |           |
| 5,000.00                                                                                    | 4,170.97              | 4,173.33              | 4,172.96              | 19.81                            | 82.21                         | -93.24                | -409.61                             | -350.30                             | 1,814.48                        | 1,716.60                               | 97.87                     | 18.539            |                    |           |
| 5,100.00                                                                                    | 4,174.42              | 4,176.78              | 4,176.41              | 20.55                            | 82.27                         | -93.45                | -409.61                             | -350.30                             | 1,900.55                        | 1,802.54                               | 98.01                     | 19.392            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

| Offset Design: SMITHDALE 29 FEDERAL - OFFSET: STATE GAS COM V 1 - Wellbore #1 - Wellbore #1 |                             |                             |                             |                              |        |                             |                        |                 |                                       |                    |                                 | Offset Site Error:   | 0.00 usft |
|---------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|--------|-----------------------------|------------------------|-----------------|---------------------------------------|--------------------|---------------------------------|----------------------|-----------|
| Survey Program: 395-INC-ONLY                                                                |                             |                             |                             |                              |        |                             |                        |                 |                                       |                    |                                 | Offset Well Error:   | 0.00 usft |
| Measured<br>Depth<br>(usft)                                                                 | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference | Offset | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Rule Assigned:<br>Distance<br>Between |                    | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
|                                                                                             |                             |                             |                             | (usft)                       | (usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Centres<br>(usft)                     | Ellipses<br>(usft) |                                 |                      |           |
| 5,200.00                                                                                    | 4,177.86                    | 4,180.23                    | 4,179.86                    | 21.33                        | 82.33  | 93.66                       | -409.61                | -350.30         | 1,987.92                              | 1,889.78           | 98.14                           | 20.256               |           |
| 5,300.00                                                                                    | 4,181.31                    | 4,183.67                    | 4,183.30                    | 22.13                        | 82.39  | 93.87                       | -409.61                | -350.30         | 2,076.43                              | 1,978.16           | 98.27                           | 21.129               |           |
| 5,400.00                                                                                    | 4,184.76                    | 4,187.12                    | 4,186.75                    | 22.96                        | 82.45  | 94.07                       | -409.61                | -350.30         | 2,165.93                              | 2,067.53           | 98.40                           | 22.011               |           |
| 5,500.00                                                                                    | 4,188.21                    | 4,190.57                    | 4,190.20                    | 23.82                        | 82.51  | 94.28                       | -409.61                | -350.30         | 2,256.31                              | 2,157.78           | 98.53                           | 22.900               |           |
| 5,600.00                                                                                    | 4,191.65                    | 4,194.02                    | 4,193.65                    | 24.69                        | 82.57  | 94.49                       | -409.61                | -350.30         | 2,347.46                              | 2,248.81           | 98.65                           | 23.795               |           |
| 5,700.00                                                                                    | 4,195.10                    | 4,197.46                    | 4,197.09                    | 25.59                        | 82.63  | 94.70                       | -409.61                | -350.30         | 2,439.30                              | 2,340.53           | 98.78                           | 24.695               |           |
| 5,800.00                                                                                    | 4,198.55                    | 4,200.91                    | 4,200.54                    | 26.50                        | 82.69  | 94.91                       | -409.61                | -350.30         | 2,531.76                              | 2,432.86           | 98.90                           | 25.600               |           |
| 5,900.00                                                                                    | 4,202.00                    | 4,204.36                    | 4,203.99                    | 27.43                        | 82.75  | 95.11                       | -409.61                | -350.30         | 2,624.76                              | 2,525.74           | 99.02                           | 26.508               |           |
| 6,000.00                                                                                    | 4,205.44                    | 4,207.81                    | 4,207.44                    | 28.37                        | 82.81  | 95.32                       | -409.61                | -350.30         | 2,718.26                              | 2,619.12           | 99.14                           | 27.419               |           |
| 6,100.00                                                                                    | 4,208.89                    | 4,211.25                    | 4,210.88                    | 29.33                        | 82.87  | 95.53                       | -409.61                | -350.30         | 2,812.20                              | 2,712.94           | 99.26                           | 28.333               |           |
| 6,200.00                                                                                    | 4,212.34                    | 4,214.70                    | 4,214.33                    | 30.30                        | 82.93  | 95.74                       | -409.61                | -350.30         | 2,906.54                              | 2,807.17           | 99.37                           | 29.248               |           |
| 6,300.00                                                                                    | 4,215.79                    | 4,218.15                    | 4,217.78                    | 31.28                        | 82.99  | 95.94                       | -409.61                | -350.30         | 3,001.24                              | 2,901.75           | 99.49                           | 30.166               |           |
| 6,400.00                                                                                    | 4,219.23                    | 4,221.58                    | 4,221.21                    | 32.26                        | 83.05  | 96.15                       | -409.13                | -350.30         | 3,096.12                              | 2,996.52           | 99.60                           | 31.084               |           |
| 6,500.00                                                                                    | 4,222.68                    | 4,225.01                    | 4,224.64                    | 33.26                        | 83.11  | 96.36                       | -409.13                | -350.30         | 3,191.46                              | 3,091.74           | 99.72                           | 32.004               |           |
| 6,600.00                                                                                    | 4,226.13                    | 4,228.45                    | 4,228.07                    | 34.27                        | 83.17  | 96.56                       | -409.13                | -350.30         | 3,287.07                              | 3,187.23           | 99.83                           | 32.925               |           |
| 6,700.00                                                                                    | 4,229.58                    | 4,231.88                    | 4,231.50                    | 35.28                        | 83.23  | 96.77                       | -409.13                | -350.30         | 3,382.93                              | 3,282.98           | 99.95                           | 33.847               |           |
| 6,800.00                                                                                    | 4,233.02                    | 4,235.31                    | 4,234.93                    | 36.30                        | 83.29  | 96.97                       | -409.13                | -350.30         | 3,479.02                              | 3,378.95           | 100.06                          | 34.768               |           |
| 6,900.00                                                                                    | 4,236.47                    | 4,238.74                    | 4,238.37                    | 37.32                        | 83.35  | 97.18                       | -409.13                | -350.30         | 3,575.32                              | 3,475.14           | 100.18                          | 35.690               |           |
| 7,000.00                                                                                    | 4,239.92                    | 4,242.17                    | 4,241.80                    | 38.35                        | 83.41  | 97.38                       | -409.13                | -350.30         | 3,671.81                              | 3,571.52           | 100.29                          | 36.612               |           |
| 7,100.00                                                                                    | 4,243.37                    | 4,245.60                    | 4,245.23                    | 39.39                        | 83.47  | 97.59                       | -409.14                | -350.30         | 3,768.49                              | 3,668.08           | 100.40                          | 37.533               |           |
| 7,200.00                                                                                    | 4,246.81                    | 4,249.03                    | 4,248.66                    | 40.43                        | 83.53  | 97.79                       | -409.14                | -350.30         | 3,865.33                              | 3,764.81           | 100.52                          | 38.454               |           |
| 7,300.00                                                                                    | 4,250.26                    | 4,252.46                    | 4,252.09                    | 41.48                        | 83.59  | 98.00                       | -409.14                | -350.30         | 3,962.33                              | 3,861.69           | 100.63                          | 39.374               |           |
| 7,400.00                                                                                    | 4,253.71                    | 4,255.89                    | 4,255.52                    | 42.53                        | 83.66  | 98.20                       | -409.14                | -350.30         | 4,059.46                              | 3,958.72           | 100.75                          | 40.294               |           |
| 7,500.00                                                                                    | 4,257.16                    | 4,259.32                    | 4,258.95                    | 43.58                        | 83.72  | 98.41                       | -409.14                | -350.30         | 4,156.73                              | 4,055.87           | 100.86                          | 41.212               |           |
| 7,600.00                                                                                    | 4,260.60                    | 4,262.75                    | 4,262.38                    | 44.64                        | 83.78  | 98.61                       | -409.14                | -350.30         | 4,254.13                              | 4,153.15           | 100.98                          | 42.130               |           |
| 7,700.00                                                                                    | 4,264.05                    | 4,266.18                    | 4,265.81                    | 45.70                        | 83.84  | 98.81                       | -409.14                | -350.30         | 4,351.64                              | 4,250.55           | 101.09                          | 43.047               |           |
| 7,800.00                                                                                    | 4,267.50                    | 4,269.61                    | 4,269.24                    | 46.76                        | 83.90  | 99.02                       | -409.14                | -350.30         | 4,449.26                              | 4,348.05           | 101.21                          | 43.962               |           |
| 7,900.00                                                                                    | 4,270.95                    | 4,273.04                    | 4,272.66                    | 47.83                        | 83.96  | 99.22                       | -409.14                | -350.30         | 4,546.98                              | 4,445.66           | 101.32                          | 44.877               |           |
| 8,000.00                                                                                    | 4,274.39                    | 4,276.47                    | 4,276.09                    | 48.89                        | 84.02  | 99.42                       | -409.14                | -350.30         | 4,644.79                              | 4,543.35           | 101.44                          | 45.790               |           |
| 8,100.00                                                                                    | 4,277.84                    | 4,279.89                    | 4,279.52                    | 49.97                        | 84.08  | 99.62                       | -409.14                | -350.30         | 4,742.69                              | 4,641.14           | 101.55                          | 46.701               |           |
| 8,200.00                                                                                    | 4,281.29                    | 4,283.32                    | 4,282.95                    | 51.04                        | 84.14  | 99.83                       | -409.14                | -350.30         | 4,840.68                              | 4,739.01           | 101.67                          | 47.611               |           |
| 8,300.00                                                                                    | 4,284.74                    | 4,286.75                    | 4,286.38                    | 52.12                        | 84.20  | 100.03                      | -409.14                | -350.30         | 4,938.74                              | 4,836.95           | 101.79                          | 48.520               |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

Reference Depths are relative to RKB = 20' @ 3632.00usft (AKITA 57) Coordinates are relative to: 70H

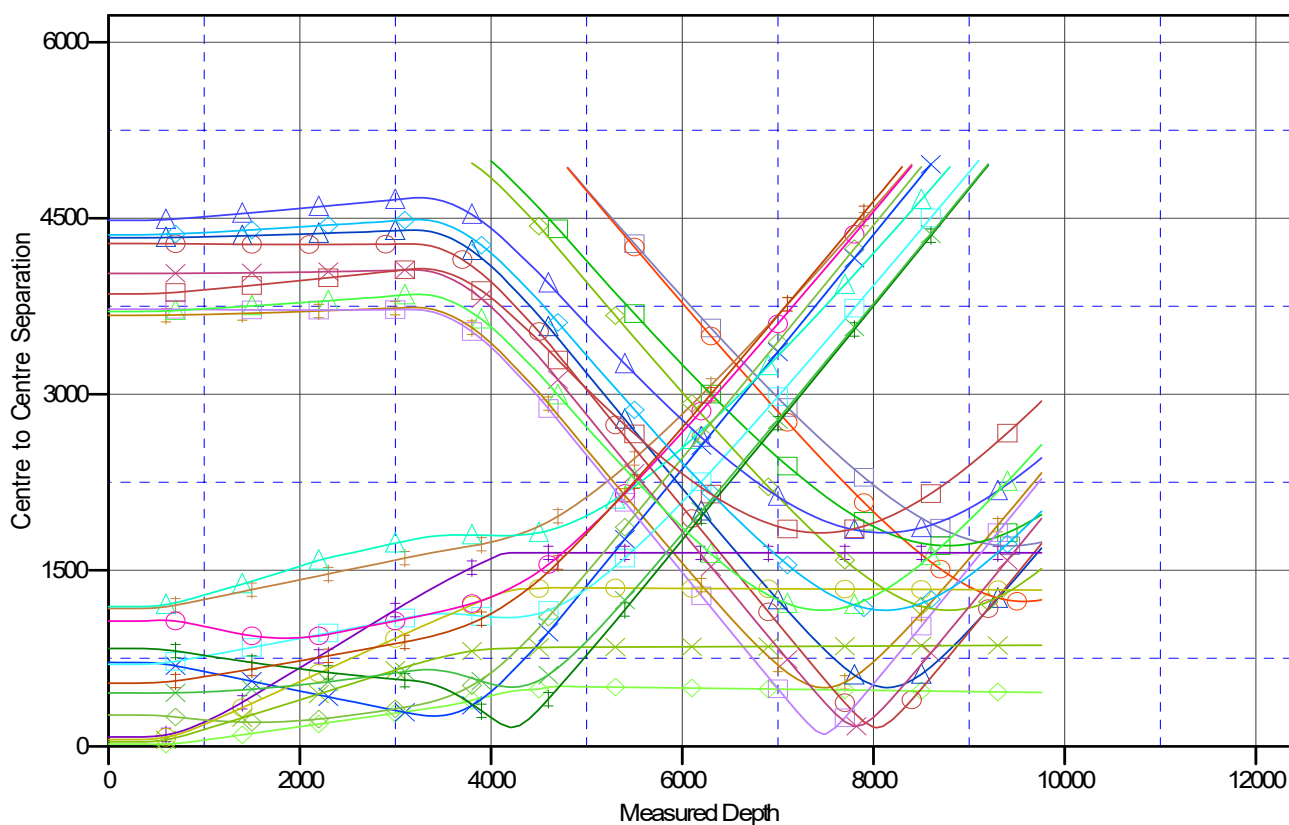
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Central Meridian is -104.33334

Grid Convergence at Surface is: 0.07°

## Ladder Plot



## LEGEND

FFSET: OULAW STATE 9, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 1, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 4, Wellbore #1, Wellbore #1 V0  
 1H, OH, PERMIT V0  
 FFSET: ANTHONY 2, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 3, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 25, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 10, Wellbore #1, Wellbore #1 V0  
 FFSET: ANTHONY 1, Wellbore #1, Wellbore #1 V0

FFSET: ANTHONY STATE 3, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 11, Wellbore #1, Wellbore #1 V0  
 71H, OH, PERMIT V0  
 FFSET: OULAW STATE12, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 7, Wellbore #1, Wellbore #1 V0  
 91H, OH, PERMIT V0  
 50H, OH, PERMIT V0  
 FFSET: OULAW STATE 2, Wellbore #1, Wellbore #1 V0  
 FFSET: STAE GAS COM B 1, Wellbore #1, Wellbore #1 V0

FFSET: OULAW STATE 7, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 3, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 21, Wellbore #1, Wellbore #1 V0  
 FFSET: ANTHONY STATE 4, PLANNED DEV SURVEY, PLANNED DEV S  
 FFSET: OULAW STATE 8, Wellbore #1, Wellbore #1 V0  
 FFSET: STAE GAS COM V 1, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 6, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 5, Wellbore #1, Wellbore #1 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Anticollision Report

|                           |                                |                                     |                                    |
|---------------------------|--------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>           | SPUR ENERGY PARTNERS, LLC      | <b>Local Co-ordinate Reference:</b> | Well 70H                           |
| <b>Project:</b>           | EDDY COUNTY, NM (NAD 83 - NME) | <b>TVD Reference:</b>               | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Reference Site:</b>    | SMITHDALE 29 FEDERAL           | <b>MD Reference:</b>                | RKB = 20' @ 3632.00usft (AKITA 57) |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                               |
| <b>Reference Well:</b>    | 70H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                         |
| <b>Reference Wellbore</b> | OH                             | <b>Database:</b>                    | EDM 5000.17 Single User Db         |
| <b>Reference Design:</b>  | PERMIT                         | <b>Offset TVD Reference:</b>        | Offset Datum                       |

Reference Depths are relative to RKB = 20' @ 3632.00usft (AKITA 57) Coordinates are relative to: 70H

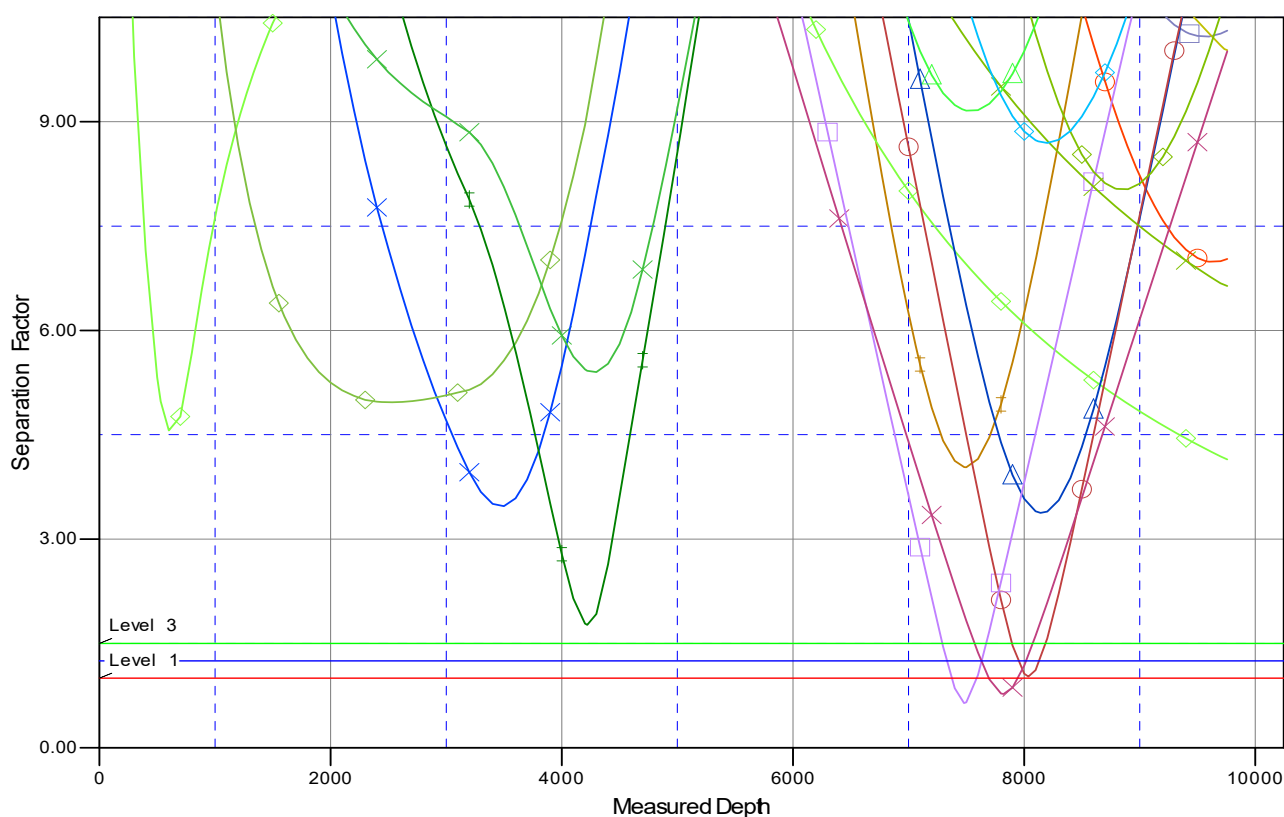
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Central Meridian is -104.33334

Grid Convergence at Surface is: 0.07°

## Separation Factor Plot



## LEGEND

FFSET: OULAW STATE 9, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 1, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 4, Wellbore #1, Wellbore #1 V0  
 OH, OH, PERMIT V0  
 FFSET: ANTHONY 2, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 3, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 25, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 10, Wellbore #1, Wellbore #1 V0  
 FFSET: ANTHONY 1, Wellbore #1, Wellbore #1 V0

FFSET: ANTHONY STATE 3, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 11, Wellbore #1, Wellbore #1 V0  
 71H, OH, PERMIT V0  
 FFSET: OULAW STATE12, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 7, Wellbore #1, Wellbore #1 V0  
 91H, OH, PERMIT V0  
 50H, OH, PERMIT V0  
 FFSET: OULAW STATE 2, Wellbore #1, Wellbore #1 V0  
 FFSET: STAE GAS COM B 1, Wellbore #1, Wellbore #1 V0

FFSET: OULAW STATE 7, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 3, Wellbore #1, Wellbore #1 V0  
 FFSET: STALEY STATE 21, Wellbore #1, Wellbore #1 V0  
 FFSET: ANTHONY STATE 4, PLANNED DEV SURVEY, PLANNED DEV S  
 FFSET: OULAW STATE 8, Wellbore #1, Wellbore #1 V0  
 FFSET: STAE GAS COM V 1, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 6, Wellbore #1, Wellbore #1 V0  
 FFSET: OULAW STATE 5, Wellbore #1, Wellbore #1 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.17 Build 06

## Pecos District

### Application for Permit to Drill

### Conditions of Approval

#### Geology Concerns

|            |                                          |                                          |                                                   |
|------------|------------------------------------------|------------------------------------------|---------------------------------------------------|
| Potash     | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Secretary       | <input type="checkbox"/> R-111-P                  |
| Cave/Karst | <input type="checkbox"/> Medium          | <input checked="" type="checkbox"/> High | <input type="checkbox"/> Critical                 |
| H2S        | <input type="checkbox"/> None            | <input type="checkbox"/> Below 100 PPM   | <input checked="" type="checkbox"/> Above 100 PPM |
| Other      | <input type="checkbox"/> 4 String Area   | <input type="checkbox"/> Capitan Reef    | <input type="checkbox"/> SWD Well                 |

Note: The geology of the area where the well is being drilled determines the COAs that apply, not the above table.

#### Additional Engineering Requirements

Surface casing must be set at: 1,000 feet

Intermediate casing must be set at: No change from drill plan

#### General Requirements

1. Changes to the approved APD casing program need prior approval.
2. The Bureau of Land Management (BLM) will be notified in advance for a representative to witness:
  - a. Well spudding (minimum of 24 hours notice)
  - b. Setting and/or cementing of all casing strings (minimum of 4 hours notice)
  - c. BOPE tests (minimum of 4 hours notice)

#### Eddy County

620 East Greene Street, Carlsbad, NM 88220

(575) 361-2822

BLM\_NM\_CFO\_DrillingNotifications@BLM.GOV

#### Lea County

414 West Taylor, Hobbs, NM 88240

(575) 689-5981

3. The initial wellhead installed on the well will remain on the well with spools used as needed.
4. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

- a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig:
    - i. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with a Spudder Rig:
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - iii. BOP/BOPE test to be conducted per 43 CFR 3172.6 as soon as 2nd Rig is rigged up on well.
5. Floor controls are required for 3M or greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller, and will always be operational during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table or the area immediately above the substructure on which the draw works are located (this does not include the doghouse or stairway area).
6. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

### **Pressure Control**

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR 3172.6 and API STD 53 Sec. 5.3.
2. 5M or higher systems require an HCR valve, remote kill line, and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE, and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
  - b. The results of the test shall be reported to the appropriate BLM office.
  - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

- d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
  - e. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR 3172.6(b)(9).
  - f. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - g. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, no tests shall commence until the cement has had a minimum of 24 hours setup time.
  - h. The tests shall be done by an independent service company utilizing a test plug, not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to 43 CFR 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
4. If the operator has proposed using a 5,000 (5M) Annular on a 10M BOP:
- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi.
5. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
- a. Wellhead shall be installed by manufacturer's representatives (submit documentation with subsequent sundry).

- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed, and another wellhead installed.
6. If a variance is approved for break testing the BOPE, the following requirements apply:
- a. BOPE break testing is only approved for a BOP rated at 5M or less.
  - b. Approval is only for the intermediate hole sections, so long as those sections do not go deeper than the Bone Springs formation.
  - c. The Annular Preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.
  - d. A full BOP test shall be performed every 21 days (at a minimum).
  - e. A full BOP test is required prior to drilling the first intermediate hole section (if applicable). If any subsequent intermediate hole interval is deeper than the first, a full BOP test shall be required (a maximum 200 foot difference in true vertical depth (TVD) is allowed).
  - f. BOPE break testing is not permitted for drilling the production hole section.
  - g. While in transfer, the BOP shall be secured by the hydraulic carrier or cradle.
  - h. If any repairs or replacements of the BOPE is required, the BOPE shall be tested as required by 43 CFR 3172.
  - i. Pressure tests shall be performed on any BOPE components that have been disconnected. A low pressure (250-300 psi) and a high pressure (BOP max pressure rating) test are required.
  - j. If a testing plug is used, pressure shall be maintained for at least 10 minutes. If there is any bleed off in pressure, the test shall be considered to have failed.
  - k. If no testing plug is used, pressure shall be maintained for at least 30 minutes. If there is a decline in pressure of more than 10 percent, the test shall be considered to have failed.
  - l. The appropriate Bureau of Land Management (BLM) office shall be notified a minimum of 4 hours before testing occurs.
  - m. Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
  - n. If break testing is not used, then a full BOPE test shall be conducted.
7. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply:
- a. The flex line must meet the requirements of API 16C.

- b. Check condition of flexible line from BOP to choke manifold (replace if exterior is damaged or if line fails test).
- c. Line is to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements.
- d. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating.
- e. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, shall be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

### **Casing and Cement**

1. Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).
2. On any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. The formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
3. Provide compressive strengths (including hours to reach required 500 pounds compressive strength) prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
4. The surface casing shall be set at a minimum of 25 feet into the Rustler Anhydrite and 80 feet above the salt and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of 8 hours (or 24 hours in the Potash Area) or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

5. Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.
6. Intermediate casing must be cemented to surface. For medium/high cave/karst, potash, and Capitan Reef, wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
7. The production cement should tie-back at least 200 feet (500 feet in Secretary Potash, surface in R-111-P potash) into previous casing string. Operator shall provide method of verification.
8. Production liner cement should tie-back at least 100 feet into previous casing string. Operator shall provide verification of cement top.
9. In WIPP Areas, cement must come to surface on the first three casing strings.
10. If cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
11. No pea gravel permitted for remedial cement or fall back remedial cement without prior authorization from a BLM petroleum engineer.
12. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
13. DV tools:
  - a. First stage to DV tool (The DV tool may be cancelled if cement circulates to surface on the first stage):
    - i. Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
  - b. Second stage above DV tool:
    - i. For intermediate casing, cement to surface.
    - ii. For production casing, cement should tie-back at least 200 feet (500 feet in Secretary Potash, surface in R-111-P potash) into previous casing string. Operator shall provide method of verification.
    - iii. If cement does not circulate, contact the appropriate BLM office.

## 14. Potash Areas:

- a. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
- b. After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met:
  - i. Cement reaches a minimum compressive strength of 500 psi for all cement blends
  - ii. Until cement has been in place at least 24 hours.
- c. WOC time will be recorded in the driller's log.
- d. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- e. In R111 Potash Areas, if cement does not circulate to surface on the first two salt protection casing strings, the cement on the 3rd casing salt string must come to surface.
- f. In Secretary Potash Areas, if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

## 15. Wait on cement (WOC) for Water Basin:

- a. After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met:
  - i. Cement reaches a minimum compressive strength of 500 psi at the shoe
  - ii. Until cement has been in place at least 8 hours.
- b. WOC time will be recorded in the driller's log.

## 16. Medium/High/Critical Cave/Karst Areas:

- a. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
- b. In Critical Cave/Karst Areas cement must come to surface on the first three casing strings.
- c. In Medium and High Cave/Karst Areas, if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- d. In Critical Cave/Karst Areas, if cement does not circulate to surface on the first three casing strings, the cement on the 4th casing string must come to surface.

**Drilling Mud**

1. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation and shall be used until production casing is run and cemented.

**Waste Material and Fluids**

1. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

2. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

### **Special Requirements**

1. Communitization Agreement
  - a. The operator will submit a Communitization Agreement to the Santa Fe Office (301 Dinosaur Trail, Santa Fe, NM 87508), at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division.
  - b. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
    - i. The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
    - ii. If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
  - c. In addition, the well sign shall include the surface and bottom hole lease numbers.
    - i. When the Communitization Agreement number is known, it shall also be on the sign.
2. Unit Wells
  - a. The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers.
    - i. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.
  - b. Commercial Well Determination
    - i. A commercial well determination shall be submitted after production has been established for at least six months (this is not necessary for secondary recovery unit wells).
3. Hydrogen Sulfide (H<sub>2</sub>S)
  - a. If H<sub>2</sub>S is encountered, provide measured values and formations to the BLM.
  - b. An H<sub>2</sub>S area must meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items.

- c. An H2S Drilling Plan shall be activated 500 feet prior to drilling into any formation designated as having H2S.
  - d. Hydrogen Sulfide monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items.
4. Capitan Reef
- a. If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following (Use this for 3 string wells in the Capitan Reef, if it is a 4 string well ensure fresh water based mud is used across the Capitan interval):
    - i. Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
    - ii. Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports.
    - iii. The daily drilling report should show mud volume per shift/tour.
    - iv. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval.
    - v. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.
5. Salt Water Disposal Wells
- a. The operator shall supply the BLM with a copy of a mudlog over the permitted disposal interval and estimated in situ water salinity based on open-hole logs.
  - b. If hydrocarbons are encountered while drilling, the operator shall notify the BLM.
  - c. The operator shall provide to the BLM a summary of formation depth picks based on mudlog and geophysical logs along with a copy of the mudlog and open-hole logs from total depth to top of Devonian.
  - d. An NOI sundry with the completion procedure for this well shall be submitted and approved prior to commencing completion work. The procedure will be reviewed to verify that the completion proposal will allow the operator to:
    - i. Properly evaluate the injection zone utilizing open-hole logs, swab testing and/or any other method to confirm that hydrocarbons cannot be produced in paying quantities. This evaluation shall be reviewed by the BLM prior to injection commencing.
    - ii. Restrict the injection fluid to the approved formation.
    - iii. If a step rate test will be run, an NOI sundry shall be submitted to the BLM for approval.

- e. If off-lease water will be disposed in this well, the operator shall provide proof of right-of-way approval.

6. WIPP Requirements

- a. If the proposed surface well or bottom hole is located within 330 feet of the WIPP Land Withdrawal Area boundary:
  - i. Daily drilling reports, logs, and deviation survey information are required to be submitted to the Bureau of Land Management Engineering Department and the U.S. Department of Energy (per requirements of the Joint Powers Agreement) until a total vertical depth of 7,000 feet is reached. These reports will have at a minimum the rate of penetration and a clearly marked section showing the deviation for each 500-foot interval. Operator may be required to do more frequent deviation surveys based on the daily information submitted and may be required to take other corrective measures.
  - ii. Information will also be provided to the New Mexico Oil Conservation Division after drilling activities have been completed.
  - iii. Upon completion of the well, the operator shall submit a complete directional survey.
  - iv. Any future entry into the well for purposes of completing additional drilling will require supplemental information.
- b. Required information shall be emailed to OilGasReports@wipp.ws.
  - i. Attached files must not be greater than 20 MB.
  - ii. Call WIPP Tech Support at 575-234-7422, during the hours of 7:00am to 4:30pm, if there are any issues sending to this address.



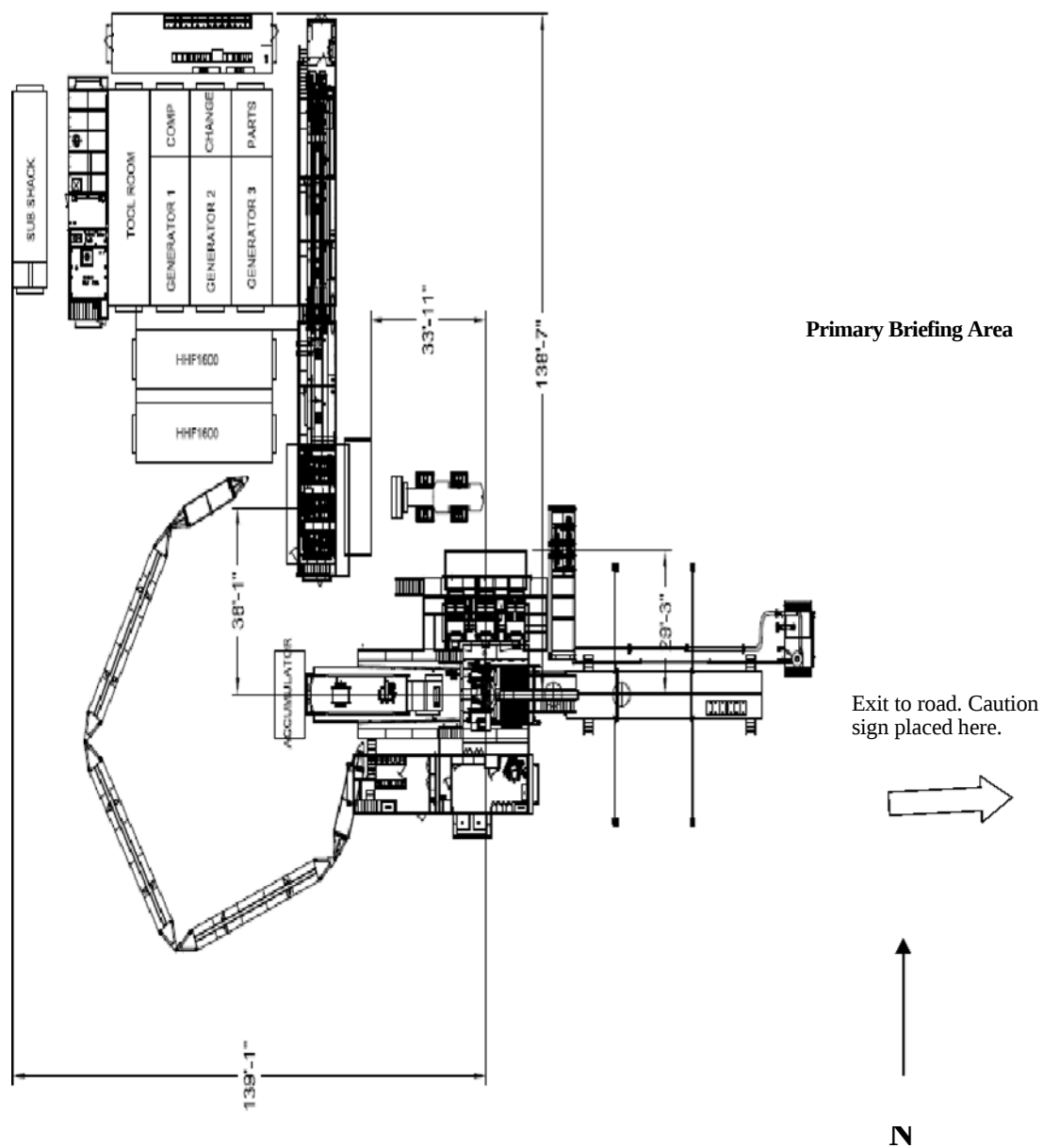
## **Permian Drilling Hydrogen Sulfide Drilling Operations Plan Smithdale 29 Federal Com Development**

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



WIND: Prevailing winds are from the Southwest

Secondary Egress

## **Spur Energy Partners New Mexico Operations Hydrogen Sulfide Operation Plan**

### **A. Introduction:**

The Safety of all personnel at Spur Energy Partners Facilities is of utmost importance to the company, and therefor management and employees must take responsibility for their safety and for the safety of all employees and others at a facility. If you have any concerns about the safe operations of the facility, contract personnel, or vendors, please contact the Company's Safety Contact, Superintendent, or Production Foreman immediately.

The objective of this contingency plan is to provide an organized plan of action for alerting, responding to and protecting employees, other workers and the public from H<sub>2</sub>S exposure in the event of a release of a potentially hazardous volume of H<sub>2</sub>S to the atmosphere. This plan should be activated immediately if any such release occurs. The Superintendent is responsible for initiating and carrying out the plan.

### **B. Scope:**

Prevent the uncontrolled release of H<sub>2</sub>S into the atmosphere. Provide proper procedures and equipment to alert and respond to emergencies.

Provide immediate and adequate medical attention should an injury occur.

To provide Company employees working at actual or potential Hydrogen Sulfide (H<sub>2</sub>S) facilities with a safe procedure to comply with applicable Federal, State and Company requirements.

This document is intended to provide general policy, procedures and expectations surrounding elevated levels of H<sub>2</sub>S. The intent is to promote sound and safe operations, while seeking effective communication surrounding operational considerations working around H<sub>2</sub>S.

This procedure applies to all Company employees and contractors working at facilities that have the potential to release 100 ppm or higher concentrations of H<sub>2</sub>S.

The plan establishes guidelines for all personnel whose work activity may involve exposure to Hydrogen Sulfide Gas (H<sub>2</sub>S).

### **C. Hydrogen Sulfide Gas (H<sub>2</sub>S) Characteristics:**

1. H<sub>2</sub>S is a toxic, poisonous gas that could cause death or injury. And it is also flammable.
2. H<sub>2</sub>S is an irritant and extremely toxic gas that is several times deadlier than carbon monoxide (CO).
3. H<sub>2</sub>S is heavier than air with a specific gravity of 1.1895 @ 600 F. so it will tend to lie in lower areas. Wind movement or air currents can readily disperse H<sub>2</sub>S since wind currents can easily overcome the heavier weight. On calm days, with no wind, the H<sub>2</sub>S will tend to accumulate in dangerous concentrations; however, if the H<sub>2</sub>S is warmer than the surrounding air it may rise.
4. H<sub>2</sub>S is colorless.
5. In small concentrations, H<sub>2</sub>S has the characteristic odor of rotten eggs. It may be detected by smell at a concentration in air of about 2 ppm but may NOT be detected

at high concentrations. DO NOT DEPEND ON THE SENSE OF SMELL TO DETECT H<sub>2</sub>S! H<sub>2</sub>S will paralyze the olfactory nerve causing a loss of the sense of smell within 2 – 15 minutes of an exposure in concentrations as low as 100-150 ppm.

6. H<sub>2</sub>S burns with a blue flame and has an auto ignition temperature of 5000 F. H<sub>2</sub>S forms an explosive mixture in the range of 4.3% to 45% by volume with air. H<sub>2</sub>S, when ignited, produces Sulfur Dioxide (SO<sub>2</sub>). SO<sub>2</sub> is another toxic gas but less toxic than H<sub>2</sub>S.
7. Physiological Effects
  - 1,000-2,000+ ppm: Loss of consciousness and possible death.
  - 100-1,000 ppm: Serious respiratory, central nervous, and cardiovascular system effects.
  - 150-200 ppm: Olfactory fatigue (sense of smell is significantly impaired).
  - 100 ppm: Immediately Dangerous to Life and Health (IDLH concentration).
  - 5-30 ppm: Moderate irritation of the eyes.
  - 5-10 ppm: Relatively minor metabolic changes in exercising individuals during short-term exposures.
  - Less than 5 ppm: Metabolic changes observed in exercising individuals, but not clinically significant.
  - 5 ppm: Increase in anxiety symptoms (single exposure).
  - 5 ppm: Start of the dose-response curve (short-term exposure).
  - 0.032-0.02 ppm: Olfactory threshold (begin to smell).

#### **D. H<sub>2</sub>S Training**

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing work at an effected facility:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.
5. The procedures for operating process equipment.

In addition, supervisory personnel will be trained in the following areas:

1. Corrective action and shutdown procedures when a release or leak occurs.
2. Notification process

Annual drills will be conducted to utilize the procedures and make improvements as needed. It will also serve as refresher training on the process.

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when operation commences.

#### **E. Protective equipment controls:**

Any facility that has the potential to emit H<sub>2</sub>S at 100 ppm or higher will be required to install and utilize the below controls:

1. Where applicable, area air monitors will be installed and function tested and calibrated no less than monthly and set on a quarterly basis PM schedule.
2. Facility operators will use self contained breathing apparatuses (SCBA's ) to perform routine operations in areas where H<sub>2</sub>S may be present.
3. Trigger of 100 PPM or more must be communicated and work proceeding the trigger must use the buddy system.
4. Visible windsocks must be installed at key locations surrounding the facility.
5. H<sub>2</sub>S warning signs must be placed at the entrance to the facility as well as other key locations.
6. Personal H<sub>2</sub>S Monitor are required to be worn by all personnel on locations.
7. Stairs and ladders leading to the top of a tank or vessel containing 300 ppm or greater shall be chained or marked to restrict entry.

#### **F. Emergency Procedures**

##### **1. Spill or Release of H<sub>2</sub>S gas**

If a spill or leak releases H<sub>2</sub>S the following action must be initiated and completed:

- a. Internally – Employee contacts supervisor and HSE Department and performs “d” below.
- b. Externally - Someone identifies a possible H<sub>2</sub>S emergency and reports it to Company Management, via the listed phone number on posted facility signs.
- c. The Company dispatches an employee to investigate possible H<sub>2</sub>S emergency and will secure situation or initiate emergency call for backup.
- d. If the Radius of Exposure has been breached begin the following:
  - Establish safe command center.
  - Call for additional personnel and delegate the following:
    - i. Notifying public safety agencies (Sheriff, Fire Department, Department of Public Safety, Hwy. Department).
    - ii. Safeguarding the facility and effected area.
    - iii. Blocking roads as needed.
    - iv. Notifying/evacuating public.
    - v. Notifying regulatory agencies.
    - vi. Gathering additional information about release ie., location, flowrate, quantity, etc.
    - vii. Stopping release if safe to do so (use 2 trained persons)
    - viii. Notifying company management.
    - ix. Cleanup/repair facilities.

e. Facility Standard Operating Procedure

- Evacuate the area, travel crosswind then proceed upwind.
- Gather at muster point. Ensure Primary Muster point is upwind
- Notify managers & appropriate EMS if required.
- Safely shut down (ESD) facility if the facility hasn't already shut in.
- Pick up SCBA (should be a 30 minute - 1 hour pack, located at Muster point.)
- Use buddy system for man down scenario with rescuers assigned.
  - 1 person to mask up to operate facility controls as needed.
  - 1 person for rescue if needed.
  - 1 person for calling EMS and company management
- Investigate area and isolate release of gas if safe to do and ensure closure using 4 gas monitor.
- If venting gas can't be isolated, return to muster point, and re-evaluate path forward.
- Give detailed description where/how gas is being released.
- After isolation verify that area monitors return to 0 and are not in alarm.
- Resume normal operations, once managers agree the ROOT CAUSE has been addressed and corrected.

**G. Contacting Authorities**

Company personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the NM Emergency Response Commission must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Spur Energy Partners response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER).

**H. Call List**

| <b>Spur Energy Partners Emergency Contact List</b>                             |                  |                                   |                   |
|--------------------------------------------------------------------------------|------------------|-----------------------------------|-------------------|
| <b>Person</b>                                                                  | <b>Location</b>  | <b>Office Phone</b>               | <b>Cell Phone</b> |
| <b>Drilling and Completions Department</b>                                     |                  |                                   |                   |
| Drilling Manager - Chris Hollis                                                | Houston          | 832-930-8629                      | 713-380-7754      |
| Completions Manager - Theresa Voss                                             | Houston          | 832-930-8614                      | 832-849-8635      |
| VP of Operations - Seth Ireland                                                | Houston          | 832-930-8527                      | 940-704-6375      |
| Senior VP of Operations - John Nabors                                          | Houston          | 832-930-8526                      | 281-904-8811      |
| Executive VP of Operations - Todd Mucha                                        | Houston          | 832-930-8515                      | 281-795-2286      |
| <b>HES/Environmental and Regulatory Department</b>                             |                  |                                   |                   |
| EHS Manager - Braidy Moulder                                                   | Artesia          | 575-616-5400                      | 713-264-2517      |
| Superintendent - Jerry Mathews                                                 | Artesia          | 575-616-5400                      | 575-748-5234      |
| Asst. Superintendent - Kenny Kidd                                              | Artesia          | 575-616-5400                      | 575-703-5851      |
| Regulatory Director - Sarah Chapman                                            | Houston          | 832-930-8613                      | 281-642-5503      |
| <b>Regulatory Agencies</b>                                                     |                  |                                   |                   |
| Bureau of Land Management                                                      | Carlsbad         | 575-886-6544                      |                   |
| Bureau of Land Management                                                      | Hobbs            | 575-393-3612                      |                   |
| Bureau of Land Management                                                      | Roswell          | 575-622-5335                      |                   |
| Bureau of Land Management                                                      | Santa Fe         | 505-954-2000                      |                   |
| DOT Judicial Pipelines - Incident Reporting NM<br>Public Regulation Commission | Santa Fe         | 505-827-3549<br>505-490-2375      |                   |
| EPA Hotline                                                                    | Dallas           | 214-665-6444                      |                   |
| Federal OSHA, Area Office                                                      | Lubbock          | 806-472-7681                      |                   |
| National Response Center                                                       | Washington, D.C. | 800-424-8803                      |                   |
| National Infrastructure Coordinator Center                                     | Washington, D.C. | 202-282-2901                      |                   |
| New Mexico Air Quality Bureau                                                  | Santa Fe         | 505-827-1494                      |                   |
| New Mexico Oil Conservation Division                                           | Artesia          | 575-748-1283<br>575-370-7545After |                   |
| New Mexico Oil Conservation Division                                           | Hobbs            | 575-393-6161                      |                   |
| New Mexico Oil Conservation Division                                           | Santa Fe         | 505-476-3770                      |                   |
| New Mexico OCD Environmental Bureau                                            | Santa Fe         | 505-827-7152<br>505-476-3470      |                   |
| New Mexico Environmental Department                                            | Hobbs            | 575-827-9329                      |                   |
| NM State Emergency Response Center                                             | Santa Fe         | 505-476-9600                      |                   |

| Medical Facilities                |           |              |
|-----------------------------------|-----------|--------------|
| Artesia General Hospital          | Artesia   | 575-748-3333 |
| Covenant Medical Center           | Lubbock   | 806-725-1011 |
| Covenant Medical Center Lakeside  | Lubbock   | 806-725-6000 |
| Guadalupe County Hospital         | Carlsbad  | 575-887-6633 |
| Lea Regional Hospital             | Hobbs     | 575-492-5000 |
| Medical Center Hospital           | Odessa    | 432-640-4000 |
| Midland Memorial Hospital         | Midland   | 432-685-1111 |
| Nor-Lea General Hospital          | Lovington | 575-396-6611 |
| Odessa Regional Hospital          | Odessa    | 432-334-8200 |
| Union County General Hospital     | Clayton   | 575-374-2585 |
| University Medical Center         | Lubbock   | 806-725-8200 |
| Law Enforcement - Sheriff         |           |              |
| Ector County Sheriff's Department | Odessa    | 432-335-3050 |
| Ector County Sheriff's Department | Artesia   | 575-746-2704 |

| Ector County Sheriff's Department   | Carlsbad  | 575-887-7551                 |
|-------------------------------------|-----------|------------------------------|
| Lea County Sherri's Department      | Eunice    | 575-384-2020                 |
| Lea County Sherri's Department      | Hobbs     | 575-393-2515                 |
| Lea County Sherri's Department      | Lovington | 575-396-3611                 |
| Lubbock County Sheriff's Department | Abernathy | 806-296-2724                 |
| Midland County Sheriff's Department | Midland   | 432-688-1277                 |
| Union County Sheriff's Department   | Clayton   | 575-374-2583                 |
| Law Enforcement - Police            |           |                              |
| Abernathy Police Department         | Abernathy | 806-298-2545                 |
| Artesia City Police                 | Artesia   | 575-746-2704                 |
| Carlsbad City Police                | Carlsbad  | 575-885-2111                 |
| Clayton City Police                 | Clayton   | 575-374-2504                 |
| Eunice City Police                  | Eunice    | 575-394-2112                 |
| Hobbs City Police                   | Hobbs     | 575-397-9265<br>575-393-2677 |
| Jal City Police                     | Jal       | 575-395-2501                 |
| Lovington City Police               | Lovington | 575-396-2811                 |

|                                      |                 |              |
|--------------------------------------|-----------------|--------------|
| Midland City Police                  | Midland         | 432-685-7113 |
| Odessa City Police                   | Odessa          | 432-335-3378 |
| <b>Law Enforcement - FBI</b>         |                 |              |
| FBI                                  | Albuquerque     | 505-224-2000 |
| FBI                                  | Midland         | 432-570-0255 |
| <b>Law Enforcement - DPS (911)</b>   |                 |              |
| NM State Police                      | Artesia         | 575-746-2704 |
| NM State Police                      | Carlsbad        | 575-885-3137 |
| NM State Police                      | Eunice          | 575-392-5588 |
| NM State Police                      | Hobbs           | 575-392-5588 |
| NM State Police                      | Clayton         | 575-374-2473 |
| <b>Firefighting and Rescue (911)</b> |                 |              |
| Abernathy                            | Abernathy       | 806-298-2022 |
| Amistad/Rosebud                      | Amistad/Rosebud | 575-633-9113 |
| Artesia                              | Artesia         | 575-746-5751 |
| Carlsbad                             | Carlsbad        | 575-885-3125 |
| Clayton                              | Clayton         | 575-374-2435 |
| Eunice                               | Eunice          | 575-394-2111 |
| Hobbs                                | Hobbs           | 575-397-9308 |
| Jal                                  | Jal             | 575-395-2221 |
| Lovington                            | Lovington       | 575-396-2359 |
| Maljamar                             | Maljamar        | 575-676-4100 |
| Midland                              | Midland         | 432-685-7346 |
| Nara Visa                            | Nara Visa       | 575-461-3300 |
| Odessa                               | Odessa          | 432-335-4659 |
| Tucumcari                            | Tucumcari       | 911          |
| West Odessa                          | Odessa          | 432-381-3033 |

| <b>Ambulance (911)</b>               |                 |              |
|--------------------------------------|-----------------|--------------|
| Abernathy Ambulance                  | Abernathy       | 806-298-2241 |
| Amistad/Rosebud                      | Amistad/Rosebud | 575-633-9113 |
| Artesia Ambulance                    | Artesia         | 575-746-2701 |
| Carlsbad Ambulance                   | Carlsbad        | 575-885-2111 |
| Clayton Ambulance                    | Clayton         | 575-374-2501 |
| Eunice Ambulance                     | Eunice          | 575-394-3258 |
| Hobbs Ambulance                      | Hobbs           | 575-397-9308 |
| Jal Ambulance                        | Jal             | 575-395-3501 |
| Lovington Ambulance                  | Lovington       | 575-396-2811 |
| Midland Ambulance                    | Midland         | 432-685-7499 |
| Nara Visa Ambulance                  | Nara Visa       | 575-461-3300 |
| Odessa Ambulance                     | Odessa          | 432-335-3378 |
| Tucumcari Ambulance                  | Tucumcari       | 911          |
| <b>Medical Air Ambulance Service</b> |                 |              |
| AEROCARE - Methodist Hospital        | Lubbock         | 800-627-2376 |
| Southwest MediVac                    | Hobbs           | 800-242-6199 |
| Odessa Care Star                     | Odessa          | 888-624-3571 |

**I. List of Facilities with the potential for 500ppm or higher H<sub>2</sub>S exposure.**

**ATTACHMENT 1: SPUR FACILITIES WITH ROE REVIEW**

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| ALASKA 29 FEE TANK BATTERY        | CHASER 8 STATE 2 TANK BATTERY               |
| ARABIAN 6 FEE TANK BATTERY        | CHEYENNE FEDERAL TNK BTY                    |
| ARCO 26 A STATE OIL BATTERY       | CLYDESDALE 1 FEE #1H BAT                    |
| ARCO B FEDERAL COM NO. 001        | CLYDESDALE 1 FEE 6H - BATTERY               |
| ARKANSAS STATE 23 TANK BATTERY    | COAL TRAIN FEDERAL COM #1                   |
| AVALON FEDERAL #001               | COFFIN STATE #1                             |
| B&B/ROSS RANCH OIL TANK BATTERY   | COLLIER 22 STATE COM #43H                   |
| BC FEDERAL 10 (9-13) TNK BTY      | COLLIER STATE OIL BATTERY                   |
| BC FEDERAL 1-8 &14 TNK BTY        | CONOCO 8 STATE 4 TB                         |
| BC FEDERAL 42 TNK BTY             | CONTINENTAL A STATE TNK BTY                 |
| BEE FED OIL BATTERY               | CONTINENTAL B YESO TANK BTY                 |
| BEECH 25 FEDERAL #9H BATTERY      | CONTINENTAL STATE 15A TNK BTY               |
| BEECH FEDERAL 1                   | CRYPT 30 STATE #1H                          |
| BEECH FEDERAL 2 BATTERY           | DAGGER DRAW FED/FOSTER FED TANK BATTERY     |
| BERRY A FEDERAL #005 SWB          | DARNER 9 STATE 1 TANK BATTERY               |
| BERRY A FEDERAL PADD BATTERY      | DARNER 9 STATE 2                            |
| BIG BOY STATE TB                  | DARTER 9 STATE 8 TANK BATTERY               |
| BLUETAIL 8 FEDERAL 2 TANK BATTERY | DARNER 9 STATE CTB                          |
| BONE YARD 11 FEE TANK BATTERY     | DEXTER FEDERAL PAD TNK BTY                  |
| BOOT HILL 25 1H SWB               | DODD 10A OIL BATTERY                        |
| BOSE IKARD 4 ST COM 18H BATTERY   | DODD 10B TK BTTY                            |
| BRANTLEY FEDERAL #001             | DODD FED #14C TK BATT                       |
| BR-549 STATE BATTERY              | DODD FED 11A BATTERY                        |
| BRADLEY 8 FEE #3H-BATTERY         | DODD FED UNIT 980H BATTERY                  |
| BRADLEY 8 FEE BATTERY             | DODD FEDERAL 14A-TB                         |
| BRAGG 10 FEE 1 BATTERY            | DODD FEDERAL UNIT 15A BTTY                  |
| BRIGHAM H 2                       | DODD FEDERAL UNIT NORTH BTTY                |
| BRIGHAM H FED (NORTH) BATTERY     | DODD FEDERAL UNIT SOUTH BTTY                |
| BURCH KEELY 13C TK BTY            | DOGWOOD FEDERAL TNK BTY                     |
| BURCH KEELY 18A TK BATT           | DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY |
| BURCH KEELY 19A OIL BATT          | EBONY STATE TB                              |
| BURCH KEELY 23A TK BATT           | EDWARD STATE TNK BTY                        |
| BURCH KEELY EAST 18B TANK BAT     | ELECTRA FEDERAL 33 (NORTH) BATTERY          |
| BURCH KEELY SEC 13A NORTH BTTY    | ELECTRA FEDERAL 5 (SWEET) TNK BTY           |
| BURCH KEELY SEC 13B SOUTH BTTY    | ELECTRA FEDERAL SOUR TNK BTY                |
| BURCH KEELY UNIT CTB BTTY         | EMPIRE SOUTH DEEP UNIT 21                   |
| BURCH KEELY UNIT E BATTERY        | FALABELLA 31 FEE #1H TK BATT                |
| BURKETT 16 STATE                  | FALABELLA 31 FEE 8H TK BTY                  |
| CADDO FEDERAL BATTERY             | FAT TIRE 12 COM FEDERAL CTB                 |
| CADILLAC ST 4 BATTERY             | FEDERAL BA COM NO. 001                      |
| CALIFORNIA 29 FEE 1               | FEDERAL BB NO. 001                          |
| CARMEN 3 FEDERAL BATTERY          | FLAT HEAD FED COM 6H TANK BATTERY           |
| CARRINGTON 12 ST 3,4,7 BATTERY    | FLAT HEAD FED COM 27H TANK BATTERY          |

**ATTACHMENT 1: SPUR FACILITIES WITH ROE REVIEW**

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| FIR FEDERAL TNK BTY                     | IVAR THE BONELESS FED 11H - BATTERY |
| FIRECRACKER STATE TB                    | JC FEDERAL 13 TNK BTY               |
| FLEMMING STATE OIL BATTERY              | JC FEDERAL 2 (SOUR) TNK BTY         |
| FOLK FEDERAL B TNK BTY                  | JC FEDERAL 27 TNK BTY               |
| FOLK FEDERAL TNK BTY                    | JENKINS B FEDERAL TNK BTY           |
| FOLK STATE TANK BATTERY                 | JG STATE 16 1 TANK BATTERY          |
| FORAN STATE OIL BATTERY                 | JG STATE 16 7 TANK BATTERY          |
| GC FEDERAL 11 TNK BTY                   | JON BOB 1                           |
| GC FEDERAL 27 TNK BTY                   | JUNIPER STATE TNK BTY               |
| GC FEDERAL TNK BTY                      | KIOWA OIL BATTERY                   |
| GILLESPIE STATE OIL BATTERY             | KOOL AID STATE                      |
| GISSLER FEDERAL 13H TANK BATT           | LAKEWOOD NORTH TANK BATTERY         |
| GJ WEST COOP SOUTH TB                   | LAKEWOOD SOUTH TANK BATTERY         |
| GJ WEST COOP UNIT 092 BTY               | LARA MICHELLE STATE OIL BTTY        |
| GJ WEST COOP UNIT 191 BTY               | LEAKER CC STATE TB                  |
| GJ WEST COOP UNIT 210 BTY               | LEE 3 FEE 6H - TK BATT              |
| GJ WEST COOP UNIT CENTRAL               | LIVE OAK TANK BATTERY               |
| GJ WEST COOP UNIT N TNK BTY             | MALCO 23 FEDERAL COM #13H           |
| GOLD STAR TNK BTY                       | MAPLE STATE                         |
| GOODMAN 22 TANK BATTERY                 | MARACAS 22 STATE TANK BATTERY       |
| GRAVE DIGGER FEDERAL COM TANK BATTERY   | MARY FEDERAL OIL BATTERY            |
| GRAVE DIGGER ST COM #3H TANK BATTERY    | MAYARO 22 STATE TANK BATTERY        |
| GRAVE DIGGER STATE COM #8H SWB          | MC FEDERAL 14 TANK BATTERY          |
| HALBERD 27 ST 3H BATTERY                | MC FEDERAL 6 DEVONIAN               |
| HANOVER STATE #3 (YESO)                 | MC FEDERAL PADDOCK TNK BTY          |
| HARPER STATE TNK BTY                    | MC SOUTHEAST BATTERY                |
| HARVARD FEDERAL TNK BTY                 | MC STATE OIL BATTERY                |
| HATFIELD B TB                           | MCCOY STATE TB                      |
| HEARSE 36 ST COM TANK BATTERY           | MCINTYRE A EAST TANK BATTERY        |
| HOBGOBLIN 7 FED COM 4H TK BAT           | MCINTYRE B 10                       |
| HOLDER CB 11 TNK BTY                    | MCINTYRE B 4                        |
| HOLDER CB FEDERAL 6&7 TNK BTY           | MCINTYRE B TNK BTY                  |
| HOLIDAY                                 | MCINTYRE DK 15 TNK BTY              |
| HOUMA STATE TNK BTY                     | MCINTYRE DK FEDERAL 28H SWB         |
| HT 18 FED 01.05.04 TANK BATTERY         | MEADOWHAWK 5 FEDERAL 3              |
| HT 18 FEDERAL 8                         | MELROSE FEDERAL TNK BTY             |
| HUBER 10,11,12 FEDERAL OIL TANK BATTERY | MERAK 7 FEDERAL 8 TANK BATTERY      |
| HUBER 3 FEDERAL OIL TANK BATTERY        | MESILLA STATE 3 & 5 TNK BTY         |
| HUBER 5 FEDERAL OIL TANK BATTERY        | MESILLA STATE TNK BTY               |
| HYDRUS 10 FED 03.07.08.11 TANK BATTERY  | MESQUITE STATE TANK BATTERY         |
| HYDRUS 10 FED 04.05 TANK BATTERY        | MIMOSA STATE TNK BTY                |
| HYDRUS 10 FED 06.09.10.12 TANK BATTERY  | MIRANDA FEDERAL B TNK BTY           |
| IMPERIAL STATE TNK BTY                  | MIRANDA FEDERAL TB                  |

**ATTACHMENT 1: SPUR FACILITIES WITH ROE REVIEW**

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| MOE FEDERAL OIL BATTERY                     | ROSE SOUTH TANK BATTERY             |
| MOHAWK FEDERAL TNK BTY                      | ROSS RANCH 09.13.14 BATTERY         |
| MONCRIEF 3 OIL BATTERY                      | SAM ADAMS 12 FED 4H UBB TK BATT     |
| MOORE STATE OIL BATTERY                     | SANDY CROSSING 32 STATE COM 1       |
| MORRIS BOYD 26 FEE COM 1H                   | SCHLEY FEDERAL TNK BTY              |
| MORRIS BOYD TANK BATTERY                    | SHAWNEE FEDERAL TNK BTY             |
| MORRIS E & F TANK BATTERY                   | SHELBY 23 BATTERY                   |
| MUSKEGON SOUTH STATE OIL BATTERY            | SHERMAN 4 FEE 4H BATTERY            |
| NAVAHO FEDERAL TNK BTY                      | SHERMAN 4 FEE 6H BATTERY            |
| NELSON 13.23. TNK BATT                      | SHORTY 2 STATE COM TANK BATTERY     |
| NEWCASTLE 6 FED COM - TANK BATTERY          | SINCLAIR PARKE (PADDOCK) TNK BTY    |
| NIRVANA TANK BATTERY                        | SKELLY 605 BATTERY                  |
| NOOSE FED 10 TANK BATTERY                   | SKELLY 942 BATTERY                  |
| NOOSE FED 5 TANK BATTERY                    | SKELLY 968 BATTERY                  |
| OKLAHOMA 32 TANK BATTERY                    | SKELLY 973 BATTERY                  |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY  | SKELLY 989 BATTERY                  |
| OSAGE BOYD YESO TANK BATTERY                | SKELLY UNIT 907 CTB BATTERY         |
| PAINT 32 FEE OIL BATTERY                    | SKELLY UNIT 940 BATTERY             |
| PAN CANADIAN A2-B3 TANK BATTERY             | SOUTH BOYD FED COM OIL TANK BATTERY |
| PASSION 1 FED PDK 5H TK BATT                | SOUTH EMPIRE STATE COM 1            |
| PATTON 5 FEE 2H OIL BATTERY                 | SPIKETAIL 5 STATE 2 TANK BATTERY    |
| PATTON 5 FEE 8H OIL BATTERY                 | SPRUCE FEDERAL TNK BTY              |
| PAWNEE STATE TNK BTY                        | STATE B GAS COM NO. 001             |
| PEACEMAKER 25 FEDERAL TANK BATTERY          | STATE S-19 YESO (SOUR) TNK BTY      |
| PERE MARQUETTE 18 FEDERAL 1 TANK BATTERY    | STONEWALL 9 FEE #1H TBAT            |
| PILUM 15 FEE 2H BATTERY                     | STONEWALL 9 FEE 8H BATTERY          |
| PINTO 36 STATE COM 1H TNK BTY               | SUBMARINE 10 FED COM 2H OIL BAT     |
| PINTO 36 STATE COM 4H TNK BTY               | TAYLOR D TANK BATTEY                |
| PINTO 36 STATE TB                           | TENNECO STATE TNK BTY               |
| POLARIS B 5-10 TANK BTTY                    | TEX MACK FED                        |
| POSEIDON 3 FEDERAL 4 TANK BATTERY           | TEXACO BE TNK BTY                   |
| POSEIDON 3 FEDERAL 05.07.17.18 TANK BATTERY | TEXAS 32 FEE TANK BATTERY           |
| PUCKETT 13 FEDERAL COM 35H                  | TEXMACK 36 STATE COM #1             |
| PUCKETT 13 FEDERAL TB                       | TH STATE #1                         |
| RAGNAR FED COM 25H - BATTERY                | THO STATE OIL BATTRY                |
| RANDALL FED 3 BATTERY                       | THORNTAIL 31 FEDERAL 1              |
| RED LAKE 32 TANK BATTERY                    | THUNDER ROAD FEDERAL OIL BTTY       |
| REDBUD FEDERAL TNK BTY                      | TUMAK FED 3 BAT                     |
| RINCON STATE TANK BATTERY                   | VEGA 9 FED TANK BATTERY             |
| RJ UNIT NORTH TANK BATTERY                  | VT 36 STATE #1H                     |
| RJ UNIT SOUTH TANK BATTERY                  | W D MCINTYRE C 10                   |
| RONCO FEDERAL #1                            | WAUKEE 36 STATE COME CTB            |
| ROSE 02.03.04.05.06 TANK BATTERY            | WD MCINTYRE C 8-9 TNK BTY           |

**ATTACHMENT 1: SPUR FACILITIES WITH ROE REVIEW**

WD MCINTYRE E TNK BTY  
WELCH A 28 10.20.50 CTB  
WESTERN FEDERAL TNK BTY  
WHITE OAK STATE B TB  
WHITE OAK STATE TNK BTY  
WHITE STAR FEDERAL TNK BTY  
WICHITA STATE TNK BTY  
WILLOW STATE TNK BTY  
YALE B OIL BATTERY  
YALE STATE TANK BTY  
YUCCA STATE TNK BTY



# RIG # 57<sub>1,150 HP Double Mast Drilling Rig</sub>

## SUBSTRUCTURE

One Piece Step Down

Floor Height: 18' 9" (on 4' pony sub moving system)

Clear Height (beneath rotary beams): 15' 5"

Rotary Capacity: 400,000 lbf

Max Pipe Setback: 400,000 lbf

Note: All floor heights above are based on the substructure sitting on 6" mats & 4' pony sub moving system

## MAST

106' telescoping, Drill Line: 1-1/8"

Static Hook Load: 440,000 lbf

Racking Capacity: 18,000' of 4" DP, 12,500' of 5" DP

## DRAWWORKS

TSM 850 425,000lbs w/ 10 Lines

Input Power: 1,150 hp AC traction motor

Main Brake: 1,150 hp AC traction motor (Dynamic)

Aux Parking Brake: Eaton brake & drum / band brake system

## TOP DRIVE

Tesco EXI 600 AC 350 Ton: Max speed 220 rpm,

Continuous Drill Torque: 30,000 ft-lbs

Max Torque (Make / Break): 45,000 ft-lbs

600 hp AC induction motor & drive system with PLC

250 Ton 5 x 36" Becket Block Assembly

## IRON ROUGHNECK

NOV ST-90C Conn Range: 4 1/4" to 8 1/2"

Spin Speed: 75 rpm nominal on 5" drill pipe

Spin Torque: 1,750 ft-lbs

Maximum Make-up torque: 60,000 ft-lbs

Maximum Break-out torque: 80,000 ft-lbs

## ROTARY TABLE

National 27 1/2" 500 Ton with hydraulic drive to position tools only

27 1/2" Diameter opening

## POWER SYSTEM

VFD, MCC, Eaton Drives, Current Power Systems Controls, three Caterpillar C32 gen

sets, 1220 BHP.

## MUD PUMP #1

HHF1600 Triplex Rated Power: 1600 hp

Stroke: 12"

Input Power: 1500 hp AC traction motor

Pressure Rating: 5000 psi

## MUD PUMP #2

HHF1600 Triplex Rated Power: 1600 hp

Stroke: 12"

Input Power: 1500 hp AC traction motor

Pressure Rating: 5000 psi

## MUD TANKS

Two Tank system w/ 1200 bbls total capacity

Shakers: Three MI Swaco Mongoose 4 panel dual motion

Mud Gas Separator: MI Swaco 4' OD x 12' tall

Pill Tank: 54 bbls

## MUD SYSTEM

5000 psi Max Pressure

5" Main plumbing and standpipe

## SCALPING TANK

Main Tank: 186 bbls capacity

Trip Tank: 24 bbls capacity

Shakers: Three NOV Venom shakers dual motion

## BOP (NACE)

11" x 5000 psi WP Spherical Annular

11" x 5000 psi WP Double Ram

11" x 5000 psi WP Single Ram (Optional)

## MANIFOLD

3-1/8" 5,000 psi c/w two 3 1/8" manual chokes

## ACCUMULATOR

CTI: 160 gal 6 station 3000 psi, c/w N2 Backup & electric triplex pump

## CATWALK

Ja-co Power Catwalk, tubular max length 47' 6", max OD 13 5/8", max weight 10,000lbs

## TUBULARS

Drill Pipe: Supplied as needed, per availability

Drill Collars & heavywate: Supplied as needed, per availability

## MISC.

Water Tank: 409 bbls; Fuel Tank 189 bbls; Screw Compressor

Boiler: 125 hp with Full Winterization

## MOVING SYSTEM:

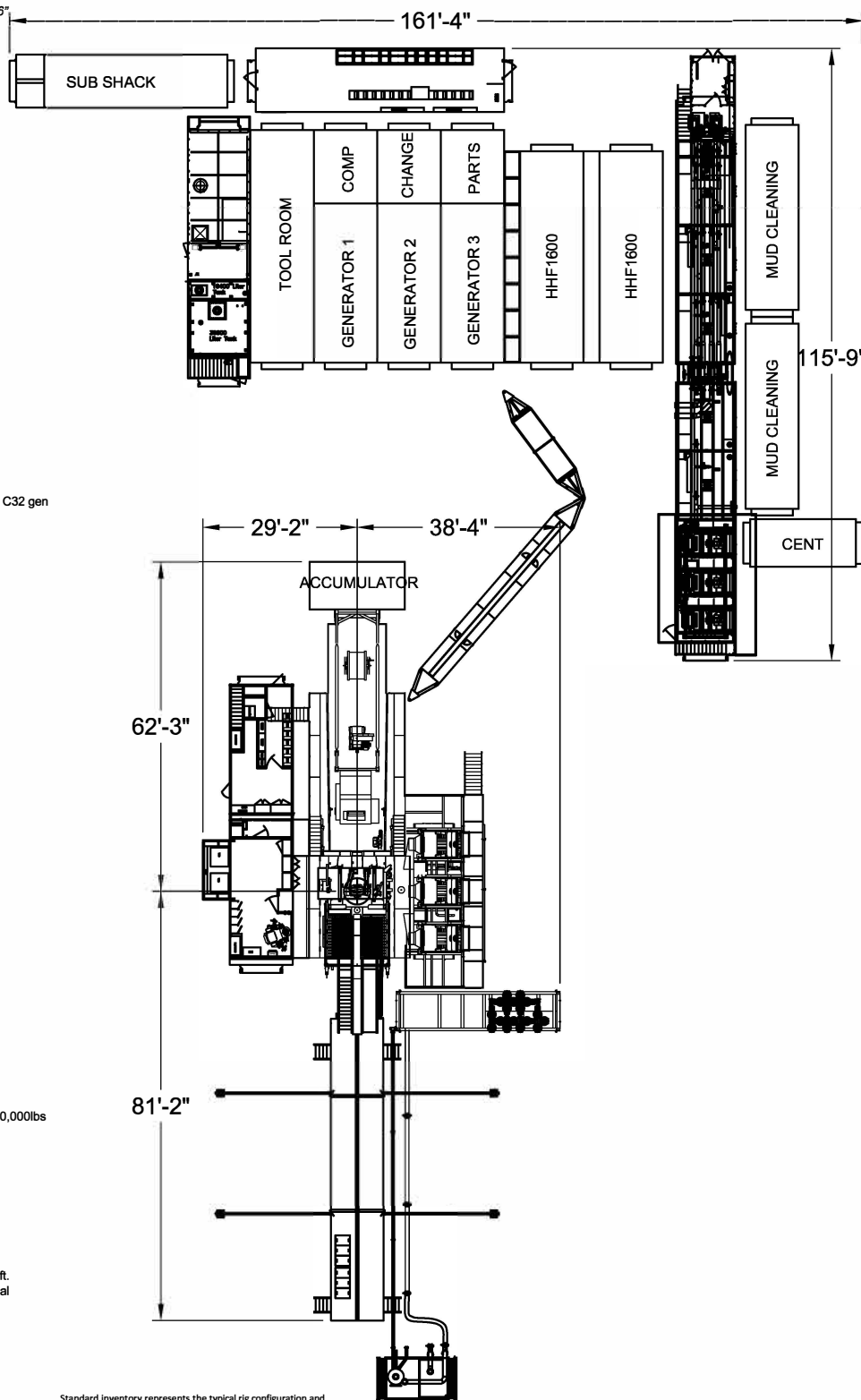
Walking beam hydraulic pony sub moving system for linear motion & side shift.

350' of Utility Suitcase style [50' lengths] connection for hydraulic and electrical supply.

## TOOL/ STORAGE/ CAMP

Parts Storage Room and Tool House Room

Rig Manage Trailer: 14' x 44' skid mounted



Standard inventory represents the typical rig configuration and inventory available, but specifications are subject to slight modifications from time to time due to customer requirements.

All ratings quoted herein are manufacturer specifications. AKITA's normal operating parameters are 90% of manufacturer mast ratings and 80% of mud pump manufacturer pressure rating. Operation of rig equipment beyond these parameters requires approval from AKITA field office management.

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|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TRANSCEND RIG 4</b>            | Contractor Specification                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Make                              | Schram                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model                             | TXD 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Year of Manufacture               | 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Truck Mounted                     | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Rated Drilling Depth              | 130,000# hook load                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Rated Depth with Tubing           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Derrick Height                    | 69' 9"                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Derrick Type                      | Telescoping Hydraulic                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Derrick Capacity                  | 130,000#                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Elevators                         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Drawworks                         | 760 HP Detroit                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Wire Diameter                     | Hydraulic                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Workfloor Max Height              | 8'                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tongs                             | Hydraulic Iron Roughneck                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Slips                             | Manual Slips                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Included Tubing Handling Tools    | <ul style="list-style-type: none"> <li>• 13 3/8" handling tools</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                             |
| Included Rod Handling Tools       | 85jts of 4.5" drill pipe                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BOP Class Compatibility           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Weight Indicator                  | Hydraulic                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Rig Safety Equipment              | Eye wash station, fire extengushers, wind sock                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Pad Size Requirements/Limitations | 60' x 60'                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Guy Line Spacing                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Other Supplied Rig Equipment      | Standard Rig Hand Tools: <ul style="list-style-type: none"> <li>• (2) 36" pipe wrenches</li> <li>• (2) 24" pipe wrenches</li> <li>• (2) 18" pipe wrenches</li> <li>• (1) 24" crescent wrench</li> <li>• (2) 12" crescent wrenches</li> <li>• (1) 4 lb shop hammer</li> <li>• (1) 12 lb sledge hammer</li> <li>• (1) 4 foot pry bar</li> <li>• Vehicles for Contractor personnel</li> <li>• Air Impact Wrench with Sockets</li> <li>• Mud Scales (as needed)</li> </ul> |



 **AKITA**  
**DRILLING LTD.**  
2302 8th Street, Nisku Alberta  
T9E 7Z2 Tel: (780) 955-6700

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|                 |          |           |                 |
|-----------------|----------|-----------|-----------------|
| Date            | 5-6-2021 | Scale     | NTS             |
| Desn / Chk'd By | BG       | File Name | R57 13 5M dou.. |
| Project         | R57      |           |                 |

RIG 57 BOP SCHEMATIC



POWERING PROGRESS™

**MTR DATA BOOK**

CL2013

**CUSTOMER:** GATES CANADA INC**DATE:** 12/19/2017**Purchase Order:** D235455 (PO 45750)**Sales Order #:** 509128**Product Description:** 5K 3 1/2 in. 17 FT. Fire Rated Choke & Kill Gates Hose Assembly c/w 3 1/8  
5K Flange with Safety Clamps & Slings Attached**Hose S/N:** H-121917-14**PART NUMBER:** FR5K3.517.0CK31/85KFLG S/C**CONTENTS INCLUDED****GMCO FITTINGS**

17-309-1

INSERT STEM

15-095-1A

FERRULE

**3 1/8 in. 5K FIXED FLANGE X 3 1/8 in. 5K FLOAT FLANGE**

V4131

FIXED FLANGE

V5054

FLOAT FLANGE

**WELDING SPECIFICATIONS**

Certification and Procedure for welding

**NDE RESULTS**

1622371-03/1622371-01 Ultrasonic Test Results and Imaging

**Safety Clamps**

34145/34144

**TEST CHART**

Chart Recording of Hydrostatic Test

**TEST CERTIFICATE**

Document Product Details &amp; Positive Results of Hydrostatic Testing

**CERTIFICATE OF CONFORMANCE**

A Declaration of the conformity with the type approval

**IMAGES**

Images of the product prior to shipping.

**PACKING LIST**

Details of Shipping Contents, Dimensions and Weights



**GATES ENGINEERING & SERVICES NORTH AMERICA**  
**7603 Prairie Oak Dr. Suite 190**  
**Houston, TX. 77086**

**PHONE: +1 (281) 602-4100**  
**FAX: +1 (281) 602-4147**  
**EMAIL: gesna.quality@gates.com**  
**WEB: www.gates.com/ollandgas**

## PRESSURE TEST CERTIFICATE

|                |                    |                  |                 |
|----------------|--------------------|------------------|-----------------|
| Customer:      | GATES CANADA INC   | Test Date:       | 12/19/2017      |
| Customer Ref.: | D235455 (PO 45750) | Hose Serial No.: | H-121917-14     |
| Invoice No.:   | 509128             | Created By:      | Cristian Rivera |

Product Description: 5K 3 1/2 in. 17 FT. Fire Rated Choke & Kill c/w 3 1/8 5K Flange with Safety Clamps & Slings Attached

|                  |                            |                   |                          |
|------------------|----------------------------|-------------------|--------------------------|
| End Fitting 1:   | 3 1/8 in. 5K FIXED FLG     | End Fitting 2:    | 3 1/8 in. 5K FLOAT FLG   |
| Oracle Star No.: | 68903550-9725917           | Assembly Code:    | 15M5019042016H-121917-14 |
| CUSTOMER P/N:    | FR5K3.517.0CK31/85KFLG S/C | Test Pressure:    | 7,500 psi.               |
|                  |                            | Working Pressure: | 5,000 psi.               |

### Gates Engineering & Services North America certifies that:

The following hose assembly has successfully passed all pressure testing requirements set forth in Gates specifications: GTS-04-052 (for 5K assemblies) or GTS-04-053 (10K assemblies) or GTS-04-048 (15K assemblies), which include reference to Specification API 16C (2nd Edition); sections 7.5.4, 7.5.9, and 10.8.7. A test graph will accompany this test certificate to illustrate conformity to test requirements. This hose assembly was pressure tested using equipment and instrumentation that has been calibrated in accordance with the requirements set-forth in the GESNA management system.

Quality: QUALITY  
 Date : 8/5/2021  
 Signature :

Production: PRODUCTION  
 Date : 8/5/2021  
 Signature :

F-PRD-005B

Revision 6\_05032021

**BLACK GOLD®**

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**7603 Prairie Oak Dr.**  
**Houston, TX. 77086**

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## CERTIFICATE OF CONFORMANCE

This is to certify that all parts and materials included in this shipment have manufactured and/or processed in accordance with various Gates and API assembly and test specifications. Records of required tests are on-file and subject to examination. Test reports and subsequent test graphs have been made available with this shipment. Additional supporting documentation related to materials, welding, weld inspections, and heat-treatment activities are available upon request.

**CUSTOMER:** GATES CANADA INC  
**CUSTOMER P.O.#:** D235455 (PO 45750)  
**PART DESCRIPTION:** FR5K3.517.0CK31/85KFLG S/C

**PART DESCRIPTION:** 5K 3 1/2 in. 17 FT. Fire Rated Choke & Kill c/w 3 1/8 5K Flange with Safety Clamps & Slings Attached

**SALES ORDER #:** 509128  
**QUANTITY:** 1  
**SERIAL #:** H-121917-14

**SIGNATURE:** \_\_\_\_\_

A handwritten signature in black ink, appearing to read "J. Rivera", written over a horizontal line.

**TITLE:** \_\_\_\_\_

**QUALITY ASSURANCE**

**DATE:** \_\_\_\_\_

8/5/2021

# Gates E&S

North America

7603 Prairie Oak dr.

Houston, TX

Hydrostatic Test

Customer= **GATES CANADA**

Date of test= **12/19/17**

Serial # = **H-121917-13,-14**

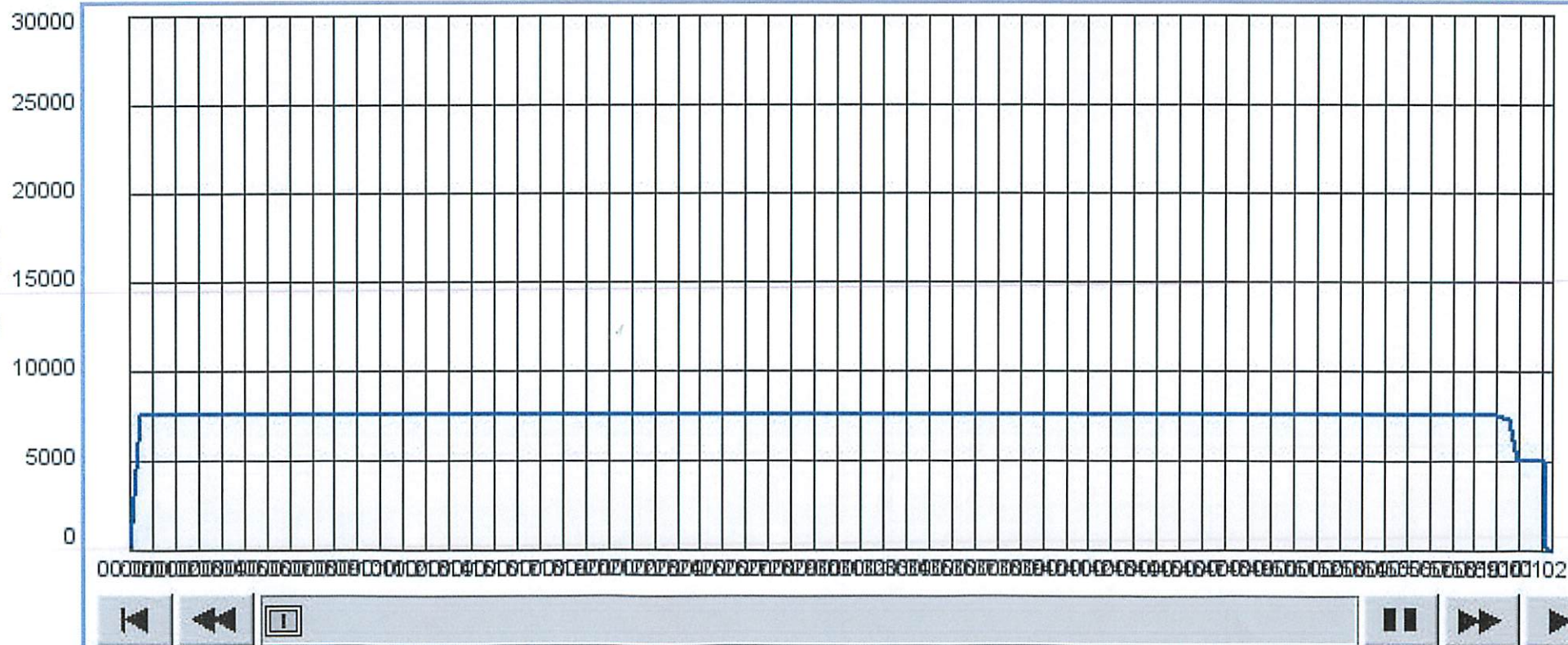
Description = **3.5 5K 3 1/8 FLG 5K**

Technician= **CHRIS OLIVO**

12/19/2017 16:53:26

17:55:52

P  
S  
I  
G





Edwards Fabrication, L.L.C.

1385 Hwy. 35 Bypass S. O: (361) 790-7910  
P.O. Box 2350 F: (361) 790-7927  
Rockport, TX 78381

tedwards@edwardsfabrication.com  
www.edwardsfabrication.com

# CERTIFICATE OF TEST

Client:  
Gates E & S North America  
134 44th Street  
Corpus Christi, TX 78405

Purchase Order: 1592198/0

|                    |             |                     |                     |            |
|--------------------|-------------|---------------------|---------------------|------------|
| Certificate Number |             |                     | Date of Examination |            |
| 34145              |             |                     | 04/27/17            |            |
| ID#                | Part Number | Description         | SWL*                | Proofload  |
| 34145              | E3.5S       | 3.5" E Safety Clamp | 6016 lbs.           | 12031 lbs. |

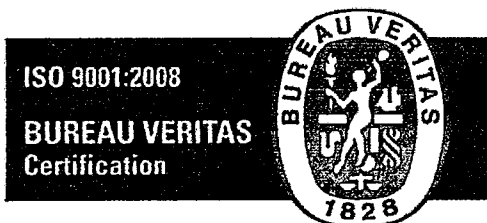
The Safety Clamp unit identified on this certificate has been load tested completely assembled; including the clamp body, (2) 3/4" shackles, 5/8" x 48" wire rope sling and anchor tab. Thus, all components are tested at the "Proof" load. Do not disassemble. Do not interchange any part or parts of this tested unit with parts of other Safety Clamp units. DO NOT WELD, CUT, ADD-TO, TAKE AWAY ANY COMPONENTS OR MAKE ANY MODIFICATION TO THIS CLAMP UNIT. Doing so voids this test certificate.

Cutting/Removing either one or both stainless steel Tamper-proof hardware cables renders this Test Certificate VOID.

\* Safe Work Load

THIS PRODUCT IS MANUFACTURED IN THE U.S.A.

We hereby verify that the above information is correct  
as contained in the records of Edwards Fabrication L.L.C.



Edwards Fabrication L.L.C. is certified as  
having a Quality Management System.

Thomas F. Edwards  
President  
Edwards Fabrication L.L.C.



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|                    |             |                     |           |                     |  |
|--------------------|-------------|---------------------|-----------|---------------------|--|
| Certificate Number |             |                     |           | Date of Examination |  |
| 34144              |             |                     |           | 04/27/17            |  |
| ID#                | Part Number | Description         | SWL*      | Proofload           |  |
| 34144              | E3.5S       | 3.5" E Safety Clamp | 6014 lbs. | 12027 lbs.          |  |

The Safety Clamp unit identified on this certificate has been load tested completely assembled; including the clamp body, (2) 3/4" shackles, 5/8" x 48" wire rope sling and anchor tab. Thus, all components are tested at the "Proof" load. Do not disassemble. Do not interchange any part or parts of this tested unit with parts of other Safety Clamp units. DO NOT WELD, CUT, ADD-TO, TAKE AWAY ANY COMPONENTS OR MAKE ANY MODIFICATION TO THIS CLAMP UNIT. Doing so voids this test certificate.

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Thomas F. Edwards  
 President  
 Edwards Fabrication L.L.C.

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 445717

**CONDITIONS**

|                                                                                 |                                                                       |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                                      |
|                                                                                 | Action Number:<br>445717                                              |
|                                                                                 | Action Type:<br>[C-101] BLM - Federal/Indian Land Lease (Form 3160-3) |

**CONDITIONS**

| Created By  | Condition                                                                                                                                                                                                                                                             | Condition Date |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| schapman01  | Cement is required to circulate on both surface and intermediate1 strings of casing.                                                                                                                                                                                  | 3/26/2025      |
| schapman01  | If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.                                                                                                                                                            | 3/26/2025      |
| ward.rikala | Notify the OCD 24 hours prior to casing & cement.                                                                                                                                                                                                                     | 4/10/2025      |
| ward.rikala | File As Drilled C-102 and a directional Survey with C-104 completion packet.                                                                                                                                                                                          | 4/10/2025      |
| ward.rikala | 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. | 4/10/2025      |
| ward.rikala | 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.                  | 4/10/2025      |