

District I

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

District II

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

District III

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

District IV

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

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

Form C-101
August 1, 2011

Permit 279696

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

| | | |
|----------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|
| 1. Operator Name and Address Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024 | | 2. OGRID Number 328947 |
| | | 3. API Number 30-015-47256 |
| 4. Property Code 328505 | 5. Property Name NIRVANA | 6. Well No. 003H |

7. Surface Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|
| UL - Lot M | Section 27 | Township 18S | Range 26E | Lot Idn M | Feet From 540 | N/S Line S | Feet From 665 | E/W Line W | County Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|

8. Proposed Bottom Hole Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot P | Section 29 | Township 18S | Range 26E | Lot Idn P | Feet From 360 | N/S Line S | Feet From 1270 | E/W Line E | County Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|

9. Pool Information

| | |
|------------------------------|-------|
| PENASCO DRAW;SA-YESO (ASSOC) | 50270 |
|------------------------------|-------|

Additional Well Information

| | | | | |
|---------------------------|-----------------------------|----------------------------------------|---------------------------|------------------------------------|
| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type Private | 15. Ground Level Elevation 3369 |
| 16. Multiple N | 17. Proposed Depth 10649 | 18. Formation Yeso | 19. Contractor | 20. Spud Date 7/18/2020 |
| Depth to Ground water | | Distance from nearest fresh water well | | Distance to nearest surface water |

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

21. Proposed Casing and Cement Program

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 12.25 | 9.625 | 36 | 1200 | 550 | 0 |
| Prod | 8.5 | 7 | 32 | 3850 | 2111 | 0 |
| Prod | 8.5 | 5.5 | 20 | 10624 | 2111 | 0 |

Casing/Cement Program: Additional Comments

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

22. Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|-------|------------------|---------------|-------------------------|
| Blind | 5 | 70 | Control Technology Inc. |

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

Signature:

Printed Name: Electronically filed by Sarah Chapman

Title: Regulatory Director

Email Address: schapman@spurepllc.com

Date: 6/30/2020

Phone: 832-930-8613

OIL CONSERVATION DIVISION

Approved By: Raymond Podany

Title: Geologist

Approved Date: 7/13/2020

Expiration Date: 7/13/2022

Conditions of Approval Attached

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|----------------------|--|----------------------------------------------|--|--------------------------------------|----------------------|
| 1 API Number | | 2 Pool Code 50270 | | 3 Pool Name PENASCO DRAW; SA YESO | |
| 4 Property Code | | 5 Property Name NIRVANA | | | 6 Well Number 3H |
| 7 GRID NO. 328947 | | 8 Operator Name SPUR ENERGY PARTNERS LLC. | | | 9 Elevation 3369' |

10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet From the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M | 27 | 18S | 26E | | 540 | SOUTH | 665 | WEST | EDDY |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P | 29 | 18S | 26E | | 360 | SOUTH | 1270 | EAST | EDDY |

| | | | |
|---------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres 200 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---------------------------|--------------------|-----------------------|--------------|

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

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>16</p> <p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION N: 623141.3 - E: 528122.8 LAT: 32.7130489° N LONG: 104.3762990° W</p> <p>FIRST TAKE POINT 360' FSL 100' FEL (SEC.28) N: 622963.5 - E: 527357.8 LAT: 32.7125594° N LONG: 104.3787860° W</p> <p>LAST TAKE POINT 360' FSL 1220' FEL (SEC.29) N: 622990.1 - E: 520923.4 LAT: 32.7126230° N LONG: 104.3997071° W</p> <p>BOTTOM HOLE LAT: 32.7126235° N LONG: 104.3998696° W</p> | | <p>CORNER DATA NAD 83 GRID - NM EAST</p> <p>A: FOUND FENCE POST N: 622614.8 - E: 516841.1</p> <p>B: CALCULATED CORNER N: 627902.6 - E: 516889.4</p> <p>C: CALCULATED CORNER N: 627898.4 - E: 522165.5</p> <p>D: FOUND NAIL N: 627894.1 - E: 527461.9</p> <p>E: FOUND 5/8" REBAR N: 627877.8 - E: 532755.3</p> <p>F: FOUND 1.5"X0.6"X0.6" LIMESTONE ROCK N: 625234.8 - E: 532747.8</p> <p>G: FOUND REBAR N: 622587.3 - E: 532746.3</p> <p>H: FOUND COTTON SPINDLE N: 622595.8 - E: 530101.6</p> <p>I: FOUND REBAR N: 622603.2 - E: 527457.4</p> <p>J: CALCULATED CORNER N: 622625.1 - E: 522141.2</p> <p>K: FOUND 3/8" REBAR N: 622636.0 - E: 519499.8</p> <p>L: FOUND COTTON SPINDLE N: 625243.8 - E: 527459.8</p> | | <p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sarah Chapman</i> 03/19/2020 Signature Date</p> <p>SARAH CHAPMAN Printed Name</p> <p>SCHAPMAN@SPUREPLLC.COM E-mail Address</p> | |
| <p>18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>11-20-2019 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>19680 Certificate Number</p> <p>REV: 3/4/20 LTP BHL</p> <p>Job No.: LS19111094</p> | | <p>ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR</p> | | | |

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

GAS CAPTURE PLAN

Date: 7/13/2020

☒ Original

Operator & OGRID No.: [328947] Spur Energy Partners LLC

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

| Well Name | API | Well Location (ULSTR) | Footages | Expected MCF/D | Flared or Vented | Comments |
|---------------|--------------|-----------------------|-------------|----------------|------------------|----------------------------------------|
| NIRVANA #003H | 30-015-47256 | M-27-18S-26E | 0540S 0665W | 3 | Flared | WILL FLARE UNTIL GATHERING LINE TIE-IN |

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to LUCID ENERGY DELAWARE, LLC and will be connected to LUCID ENERGY DELAWARE, LLC Low Pressure gathering system located in Eddy County, New Mexico. It will require 500' of pipeline to connect the facility to Low Pressure gathering system. Spur Energy Partners LLC provides (periodically) to LUCID ENERGY DELAWARE, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Spur Energy Partners LLC and LUCID ENERGY DELAWARE, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at LUCID ENERGY DELAWARE, LLC Processing Plant located in Sec. 25, Twn. 18S, Rng. 25E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on LUCID ENERGY DELAWARE, LLC system at that time. Based on current information, it is Spur Energy Partners LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 279696

PERMIT COMMENTS

| | | |
|-----------------------------------------------------------------------------------------------------------|---------|-----------------------------|
| Operator Name and Address: Spur Energy Partners LLC [328947] 9655 Katy Freeway Houston, TX 77024 | | API Number: 30-015-47256 |
| | | Well: NIRVANA #003H |
| Created By | Comment | Comment Date |

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Form APD Conditions
Permit 279696

PERMIT CONDITIONS OF APPROVAL

| | | |
|-----------------------------------------------------------------------------------------------------------|--|-----------------------------|
| Operator Name and Address: Spur Energy Partners LLC [328947] 9655 Katy Freeway Houston, TX 77024 | | API Number: 30-015-47256 |
| | | Well: NIRVANA #003H |

| | |
|--------------|-------------------------------------------------------------------------------------|
| OCD Reviewer | Condition |
| ksimmons | Will require a directional survey with the C-104 |
| ksimmons | Cement is required to circulate on both surface and intermediate1 strings of casing |

Spur Energy Partners LLC. – Nirvana 3H

1. Geologic Formations

| | | | |
|---------------|-------|-------------------------------|------|
| TVD of target | 2675' | Pilot Hole Depth | N/A |
| MD at TD: | 8517' | Deepest Expected fresh water: | 397' |

Delaware Basin

| Formation | TVD - RKB | Expected Fluids |
|--------------------|-------------|-----------------|
| San Andres Upper | 990 | Losses |
| Glorieta Top | 2,440 | Losses |
| Yeso | 2,550 | Oil/Gas |
| Yeso Target | 2650 | Oil/Gas |

*H₂S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

| Hole Size (in) | Casing Interval | | Csg. Size (in) | Weight (lbs) | Grade | Conn. | SF Collapse | SF Burst | Buoyant | |
|-------------------------------|-----------------|---------|----------------|--------------|-------|-------|-------------|----------|-----------------|------------------|
| | From (ft) | To (ft) | | | | | | | Body SF Tension | Joint SF Tension |
| 12.25 | 0 | 1200 | 9.625 | 36 | J-55 | BTC | 1.125 | 1.2 | 1.4 | 1.4 |
| 8.75 | 0 | 3850 | 7 | 32 | L-80 | BTC | 1.125 | 1.2 | 1.4 | 1.4 |
| 8.75 | 3850 | 10624 | 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. – Nirvana 3H

| | 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. | Y |
| 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? | N/A |
| 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 rd 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 nd string set 100' to 600' below the base of salt? | |
| Is well located in high Cave/Karst? | N |
| If yes, are there two strings cemented to surface? | N |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs? | |
| Is well located in critical Cave/Karst? | N |
| If yes, are there three strings cemented to surface? | |

2. Cementing Program

| Casing String | # Sks | Wt. (lb/gal) | Yld (ft ³ /sack) | H ₂ O (gal/sk) | 500# Comp. Strength (hours) | Slurry Description |
|-------------------|-------|-----------------|--------------------------------|------------------------------|-----------------------------------|-----------------------------|
| Surface (Lead) | 380 | 12.8 | 1.65 | 8.19 | 10:25 | 35/65 Poz C |
| Surface (Tail) | 170 | 14.8 | 1.33 | 6.32 | 6:40 | Class C Cement, Accelerator |
| Production (Lead) | 647 | 12.8 | 2.63 | 9.7 | N/A | 50/50 Poz C |
| Production (Tail) | 1464 | 14.8 | 1.38 | 6.686 | N/A | 50/50 Poz C |

| Casing String | Top (ft) | Bottom (ft) | % Excess |
|-------------------|----------|-------------|----------|
| Surface (Lead) | 0 | 950 | 100% |
| Surface (Tail) | 950 | 1200 | 165% |
| Production (Lead) | 0 | 5500 | 0% |
| Production (Tail) | 5500 | 10624 | 50% |

Spur Energy Partners LLC. – Nirvana 3H

4. Pressure Control Equipment

| BOP installed and tested before drilling which hole? | Size? | Min. Required WP | Type | ✓ | Tested to: |
|------------------------------------------------------|---------|------------------|------------|---|-------------------------|
| 12.25" Hole | 13-5/8" | 3M | Annular | ✓ | 70% of working pressure |
| | | 3M | Blind Ram | ✓ | 250 psi / 3000 psi |
| | | | Pipe Ram | ✓ | |
| | | | Double Ram | | |
| | | | Other* | | |
| 8.75" Hole | 13-5/8" | 3M | Annular | ✓ | 70% of working pressure |
| | | 3M | Blind Ram | ✓ | 250 psi / 3000 psi |
| | | | Pipe Ram | ✓ | |
| | | | Double Ram | | |
| | | | Other* | | |

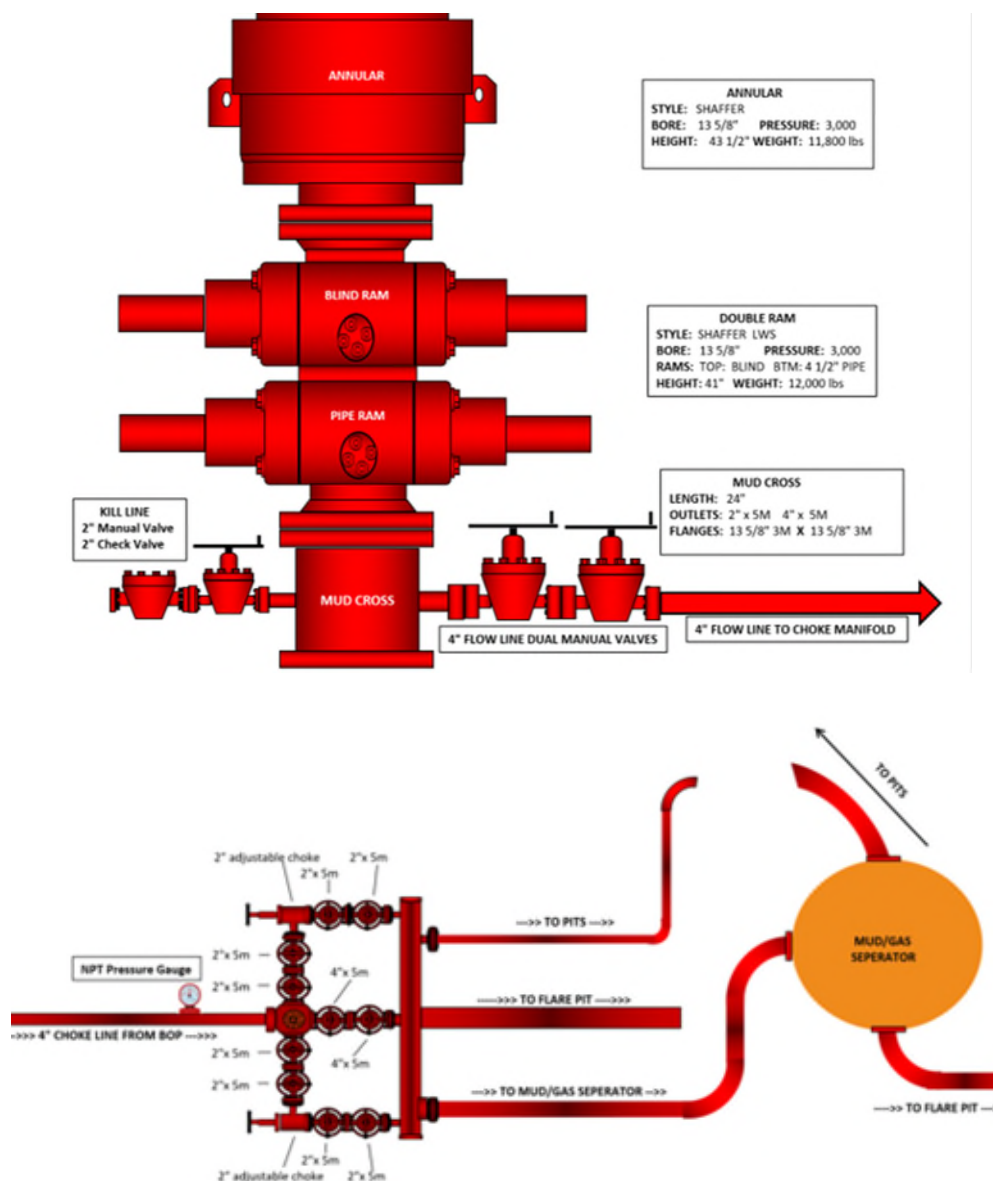
*Specify if additional ram is utilized.

Spur will utilize a 5M annular with a 5M BOPE stack. The 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.

| | | |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| | A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart. | |
| | Y | Are anchors required by manufacturer? |
| | A multibowl or a unionized multibowl 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. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015. See attached schematics. | |

Spur Energy Partners LLC. – Nirvana 3H



The buffer tank and panic line will not be connected at any point during drilling operations.

Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

BOP Break Testing Request

Spur requests permission to adjust the BOP break testing requirements.

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 is set into the third Bone Spring or shallower.

Spur Energy Partners LLC. – Nirvana 3H

- When skidding to drill a production section that does not penetrate into the third Bone Spring or deeper.

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

- 1) The void between the wellhead and the pipe rams
- 2) The kill lines and the choke manifold

If the kill line is not broken prior to skid, only one test will be performed.

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

5. Mud Program

| Depth | | Type | Weight (ppg) | Viscosity | Water Loss |
|-----------|---------|-----------------|--------------|-----------|------------|
| From (ft) | To (ft) | | | | |
| 0 | 1200 | Water-Based Mud | 8.6-8.9 | 32-36 | N/C |
| 1200 | 9674 | Water-Based Mud | 8.6-8.9 | 32-36 | N/C |

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.

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

6. 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 | |

Spur Energy Partners LLC. – Nirvana 3H**7. Drilling Conditions**

| Condition | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD | 1624 psi |
| Abnormal Temperature | No |
| BH Temperature at deepest TVD | 109°F |

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 ₂ S) monitors will be installed prior to drilling out the surface shoe. If H ₂ 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 ₂ S is present |
| Y | H ₂ S Plan attached |

8. Other facets of operation

| | Yes/No |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Will the well be drilled with a walking/skidding operation? If yes, describe. <ul style="list-style-type: none"> We plan to drill the two well pad in batch by section: all surface sections, and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well. | Yes |
| Will more than one drilling rig be used for drilling operations? If yes, describe. | No |

Total estimated cuttings volume: 965.1 bbls.

Attachments

- ☒ Directional Plan
☒ H₂S Contingency Plan
☒ Rig Attachments
☒ Premium Connection Specs

9. Company Personnel

| Name | Title | Office Phone | Mobile Phone |
|--------------------|------------------|--------------|--------------|
| Christopher Hollis | Drilling Manager | 832-930-8629 | 713-380-7754 |



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Nirvana

#3H

OH

Plan: Plan #1

Standard Plan With Toolface

04 February, 2020



Wellbenders

Standard Plan With Toolface

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company: Spur Energy Partners, LLC Project: Eddy County, NM (NAD 83 - NME) Site: Nirvana Well: #3H Wellbore: OH Design: Plan #1 | Local Co-ordinate Reference: Well #3H TVD Reference: RKB=20' @ 3389.00usft (Akita 57) MD Reference: RKB=20' @ 3389.00usft (Akita 57) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: WBDS_SQL_2 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

| | | | |
|------------------------------|-----------|--------------------------|-----------------|
| Site | Nirvana | | |
| Site Position: | | Northing: | 623,161.20 usft |
| From: | Map | Easting: | 528,122.80 usft |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.200 in |
| | | Latitude: | 32.713104 |
| | | Longitude: | -104.376299 |
| | | Grid Convergence: | -0.023 ° |

| | | | |
|-----------------------------|--------------|-----------|----------------------------|
| Well | #3H | | |
| Well Position | +N/-S | 0.00 usft | Northing: |
| | +E/-W | 0.00 usft | Easting: |
| Position Uncertainty | 0.00 usft | | Wellhead Elevation: |
| | | | usft |
| | | | Latitude: |
| | | | 32.713049 |
| | | | Longitude: |
| | | | -104.376299 |
| | | | Ground Level: |
| | | | 3,369.00 usft |

| | | | |
|------------------|-------------------|--------------------|----------------------------|
| Wellbore | OH | | |
| Magnetics | Model Name | Sample Date | Declination (°) |
| | IGRF2015 | 2/3/2020 | 7.081 |
| | | | Dip Angle (°) |
| | | | 60.348 |
| | | | Field Strength (nT) |
| | | | 47,870.25501404 |

| | | | |
|--------------------------|--------------------------------|---------------------|----------------------|
| Design | Plan #1 | | |
| Audit Notes: | | | |
| Version: | Phase: | PLAN | Tie On Depth: |
| | | | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) |
| | 0.00 | 0.00 | 0.00 |
| | | | Direction (°) |
| | | | 270.24 |

| | | | |
|----------------------------|------------------|--------------------------|------------------------|
| Survey Tool Program | Date 2/3/2020 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name |
| 0.00 | 10,648.53 | Plan #1 (OH) | MWD+IGRF |
| | | | Description |
| | | | OWSG MWD + IGRF or WMM |



Wellbenders

Standard Plan With Toolface

| | | | |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| Company: | Spur Energy Partners, LLC | Local Co-ordinate Reference: | Well #3H |
| Project: | Eddy County, NM (NAD 83 - NME) | TVD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Site: | Nirvana | MD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Well: | #3H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Plan #1 | Database: | WBDS_SQL_2 |

Planned Survey

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100ft) | Build (°/100ft) | Turn (°/100ft) | TFace (°) |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|-------------------|--------------------|-------------------|--------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 755.00 | 0.00 | 0.00 | 755.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 800.00 | 0.90 | 116.09 | 800.00 | -0.16 | 0.32 | -0.32 | 2.00 | 2.00 | 0.00 | 116.091 |
| 900.00 | 2.90 | 116.09 | 899.94 | -1.61 | 3.29 | -3.30 | 2.00 | 2.00 | 0.00 | 0.000 |
| 1,000.00 | 4.90 | 116.09 | 999.70 | -4.60 | 9.40 | -9.42 | 2.00 | 2.00 | 0.00 | 0.000 |
| 1,100.00 | 6.90 | 116.09 | 1,099.17 | -9.13 | 18.63 | -18.67 | 2.00 | 2.00 | 0.00 | 0.000 |
| 1,155.17 | 8.00 | 116.09 | 1,153.87 | -12.27 | 25.06 | -25.11 | 2.00 | 2.00 | 0.00 | 0.000 |
| 1,200.00 | 8.00 | 116.09 | 1,198.26 | -15.02 | 30.67 | -30.73 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,300.00 | 8.00 | 116.09 | 1,297.29 | -21.14 | 43.17 | -43.26 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,400.00 | 8.00 | 116.09 | 1,396.32 | -27.26 | 55.67 | -55.79 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,500.00 | 8.00 | 116.09 | 1,495.34 | -33.39 | 68.18 | -68.32 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,600.00 | 8.00 | 116.09 | 1,594.37 | -39.51 | 80.68 | -80.85 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,700.00 | 8.00 | 116.09 | 1,693.39 | -45.63 | 93.19 | -93.38 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,800.00 | 8.00 | 116.09 | 1,792.42 | -51.76 | 105.69 | -105.91 | 0.00 | 0.00 | 0.00 | 0.000 |
| 1,900.00 | 8.00 | 116.09 | 1,891.45 | -57.88 | 118.20 | -118.44 | 0.00 | 0.00 | 0.00 | 0.000 |
| 2,000.00 | 8.00 | 116.09 | 1,990.47 | -64.00 | 130.70 | -130.97 | 0.00 | 0.00 | 0.00 | 0.000 |
| 2,100.00 | 8.00 | 116.09 | 2,089.50 | -70.13 | 143.21 | -143.50 | 0.00 | 0.00 | 0.00 | 0.000 |
| 2,200.00 | 8.00 | 116.09 | 2,188.52 | -76.25 | 155.71 | -156.03 | 0.00 | 0.00 | 0.00 | 0.000 |
| 2,300.00 | 8.00 | 116.09 | 2,287.55 | -82.37 | 168.21 | -168.56 | 0.00 | 0.00 | 0.00 | 0.000 |
| 2,400.00 | 8.00 | 116.09 | 2,386.58 | -88.50 | 180.72 | -181.09 | 0.00 | 0.00 | 0.00 | 0.000 |



Wellbenders

Standard Plan With Toolface

| | | | |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| Company: | Spur Energy Partners, LLC | Local Co-ordinate Reference: | Well #3H |
| Project: | Eddy County, NM (NAD 83 - NME) | TVD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Site: | Nirvana | MD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Well: | #3H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Plan #1 | Database: | WBDS_SQL_2 |

Planned Survey

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100ft) | Build (°/100ft) | Turn (°/100ft) | TFace (°) |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|-------------------|--------------------|-------------------|--------------|
| 2,476.46 | 8.00 | 116.09 | 2,462.29 | -93.18 | 190.28 | -190.67 | 0.00 | 0.00 | 0.00 | 0.000 |
| 2,500.00 | 6.74 | 121.02 | 2,485.64 | -94.61 | 192.93 | -193.33 | 6.00 | -5.37 | 20.96 | 155.826 |
| 2,550.00 | 4.37 | 140.53 | 2,535.40 | -97.59 | 196.66 | -197.07 | 6.00 | -4.75 | 39.02 | 150.932 |
| 2,600.00 | 3.27 | 183.93 | 2,585.30 | -100.49 | 197.77 | -198.19 | 6.00 | -2.19 | 86.79 | 131.509 |
| 2,650.00 | 4.51 | 225.68 | 2,635.19 | -103.28 | 196.27 | -196.70 | 6.00 | 2.47 | 83.50 | 88.197 |
| 2,700.00 | 6.92 | 244.06 | 2,684.95 | -105.97 | 192.15 | -192.60 | 6.00 | 4.83 | 36.75 | 46.533 |
| 2,750.00 | 9.67 | 252.54 | 2,734.42 | -108.55 | 185.44 | -185.89 | 6.00 | 5.49 | 16.96 | 28.243 |
| 2,800.00 | 12.53 | 257.24 | 2,783.48 | -111.01 | 176.14 | -176.61 | 6.00 | 5.73 | 9.40 | 19.848 |
| 2,850.00 | 15.44 | 260.20 | 2,831.99 | -113.34 | 164.29 | -164.76 | 6.00 | 5.83 | 5.92 | 15.236 |
| 2,900.00 | 18.39 | 262.23 | 2,879.82 | -115.54 | 149.91 | -150.40 | 6.00 | 5.88 | 4.07 | 12.363 |
| 2,950.00 | 21.34 | 263.72 | 2,926.84 | -117.60 | 133.05 | -133.54 | 6.00 | 5.91 | 2.98 | 10.414 |
| 3,000.00 | 24.31 | 264.86 | 2,972.92 | -119.52 | 113.75 | -114.25 | 6.00 | 5.93 | 2.28 | 9.013 |
| 3,050.00 | 27.28 | 265.77 | 3,017.94 | -121.29 | 92.07 | -92.57 | 6.00 | 5.95 | 1.81 | 7.961 |
| 3,100.00 | 30.26 | 266.51 | 3,061.76 | -122.90 | 68.06 | -68.57 | 6.00 | 5.96 | 1.48 | 7.145 |
| 3,150.00 | 33.25 | 267.13 | 3,104.27 | -124.35 | 41.79 | -42.31 | 6.00 | 5.96 | 1.24 | 6.496 |
| 3,200.00 | 36.23 | 267.66 | 3,145.35 | -125.65 | 13.33 | -13.85 | 6.00 | 5.97 | 1.06 | 5.970 |
| 3,250.00 | 39.22 | 268.11 | 3,184.90 | -126.77 | -17.24 | 16.71 | 6.00 | 5.97 | 0.92 | 5.536 |
| 3,300.00 | 42.21 | 268.52 | 3,222.79 | -127.73 | -49.84 | 49.30 | 6.00 | 5.98 | 0.81 | 5.174 |
| 3,350.00 | 45.20 | 268.87 | 3,258.94 | -128.51 | -84.37 | 83.83 | 6.00 | 5.98 | 0.72 | 4.869 |
| 3,400.00 | 48.19 | 269.20 | 3,293.23 | -129.12 | -120.74 | 120.20 | 6.00 | 5.98 | 0.65 | 4.609 |
| 3,450.00 | 51.18 | 269.49 | 3,325.58 | -129.55 | -158.86 | 158.31 | 6.00 | 5.98 | 0.59 | 4.387 |
| 3,500.00 | 54.17 | 269.76 | 3,355.89 | -129.81 | -198.61 | 198.07 | 6.00 | 5.98 | 0.54 | 4.197 |
| 3,550.00 | 57.16 | 270.01 | 3,384.09 | -129.89 | -239.90 | 239.35 | 6.00 | 5.99 | 0.50 | 4.033 |
| 3,597.38 | 60.00 | 270.24 | 3,408.78 | -129.80 | -280.33 | 279.78 | 6.00 | 5.99 | 0.47 | 3.891 |
| 3,600.00 | 60.00 | 270.24 | 3,410.09 | -129.79 | -282.59 | 282.05 | 0.00 | 0.00 | 0.00 | 0.000 |
| 3,700.00 | 60.00 | 270.24 | 3,460.09 | -129.43 | -369.20 | 368.65 | 0.00 | 0.00 | 0.00 | 0.000 |
| 3,797.38 | 60.00 | 270.24 | 3,508.78 | -129.08 | -453.53 | 452.99 | 0.00 | 0.00 | 0.00 | 0.000 |



Wellbenders

Standard Plan With Toolface

| | | | |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
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| Project: | Eddy County, NM (NAD 83 - NME) | TVD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Site: | Nirvana | MD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Well: | #3H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Plan #1 | Database: | WBDS_SQL_2 |

Planned Survey

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100ft) | Build (°/100ft) | Turn (°/100ft) | TFace (°) |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|-------------------|--------------------|-------------------|--------------|
| 3,800.00 | 60.26 | 270.24 | 3,510.09 | -129.08 | -455.80 | 455.26 | 10.00 | 10.00 | 0.00 | 0.000 |
| 3,850.00 | 65.26 | 270.24 | 3,532.96 | -128.89 | -500.24 | 499.70 | 10.00 | 10.00 | 0.00 | 0.000 |
| 3,900.00 | 70.26 | 270.24 | 3,551.88 | -128.70 | -546.51 | 545.96 | 10.00 | 10.00 | 0.00 | 0.000 |
| 3,950.00 | 75.26 | 270.24 | 3,566.69 | -128.50 | -594.25 | 593.70 | 10.00 | 10.00 | 0.00 | 0.000 |
| 4,000.00 | 80.26 | 270.24 | 3,577.29 | -128.30 | -643.09 | 642.55 | 10.00 | 10.00 | 0.00 | 0.000 |
| 4,050.00 | 85.26 | 270.24 | 3,583.59 | -128.10 | -692.68 | 692.14 | 10.00 | 10.00 | 0.00 | 0.000 |
| 4,100.00 | 90.26 | 270.24 | 3,585.54 | -127.89 | -742.63 | 742.08 | 10.00 | 10.00 | 0.00 | 0.000 |
| 4,122.38 | 92.50 | 270.24 | 3,585.00 | -127.80 | -765.00 | 764.46 | 10.00 | 10.00 | 0.00 | 0.000 |
| 4,200.00 | 92.50 | 270.24 | 3,581.61 | -127.48 | -842.54 | 842.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,300.00 | 92.50 | 270.24 | 3,577.25 | -127.07 | -942.45 | 941.91 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,400.00 | 92.50 | 270.24 | 3,572.89 | -126.66 | -1,042.35 | 1,041.81 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,500.00 | 92.50 | 270.24 | 3,568.53 | -126.24 | -1,142.25 | 1,141.72 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,600.00 | 92.50 | 270.24 | 3,564.17 | -125.83 | -1,242.16 | 1,241.62 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,700.00 | 92.50 | 270.24 | 3,559.80 | -125.42 | -1,342.06 | 1,341.53 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,800.00 | 92.50 | 270.24 | 3,555.44 | -125.01 | -1,441.97 | 1,441.43 | 0.00 | 0.00 | 0.00 | 0.000 |
| 4,900.00 | 92.50 | 270.24 | 3,551.08 | -124.60 | -1,541.87 | 1,541.34 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,000.00 | 92.50 | 270.24 | 3,546.72 | -124.18 | -1,641.77 | 1,641.24 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,100.00 | 92.50 | 270.24 | 3,542.36 | -123.77 | -1,741.68 | 1,741.14 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,200.00 | 92.50 | 270.24 | 3,537.99 | -123.36 | -1,841.58 | 1,841.05 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,300.00 | 92.50 | 270.24 | 3,533.63 | -122.95 | -1,941.49 | 1,940.95 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,400.00 | 92.50 | 270.24 | 3,529.27 | -122.53 | -2,041.39 | 2,040.86 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,500.00 | 92.50 | 270.24 | 3,524.91 | -122.12 | -2,141.29 | 2,140.76 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,600.00 | 92.50 | 270.24 | 3,520.55 | -121.71 | -2,241.20 | 2,240.67 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,700.00 | 92.50 | 270.24 | 3,516.19 | -121.30 | -2,341.10 | 2,340.57 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,800.00 | 92.50 | 270.24 | 3,511.82 | -120.89 | -2,441.01 | 2,440.48 | 0.00 | 0.00 | 0.00 | 0.000 |
| 5,900.00 | 92.50 | 270.24 | 3,507.46 | -120.47 | -2,540.91 | 2,540.38 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,000.00 | 92.50 | 270.24 | 3,503.10 | -120.06 | -2,640.81 | 2,640.29 | 0.00 | 0.00 | 0.00 | 0.000 |



Wellbenders

Standard Plan With Toolface

| | | | |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
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| Site: | Nirvana | MD Reference: | RKB=20' @ 3389.00usft (Akita 57) |
| Well: | #3H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Plan #1 | Database: | WBDS_SQL_2 |

Planned Survey

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100ft) | Build (°/100ft) | Turn (°/100ft) | TFace (°) |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|-------------------|--------------------|-------------------|--------------|
| 6,100.00 | 92.50 | 270.24 | 3,498.74 | -119.65 | -2,740.72 | 2,740.19 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,200.00 | 92.50 | 270.24 | 3,494.38 | -119.24 | -2,840.62 | 2,840.10 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,300.00 | 92.50 | 270.24 | 3,490.01 | -118.82 | -2,940.53 | 2,940.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,400.00 | 92.50 | 270.24 | 3,485.65 | -118.41 | -3,040.43 | 3,039.91 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,500.00 | 92.50 | 270.24 | 3,481.29 | -118.00 | -3,140.33 | 3,139.81 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,600.00 | 92.50 | 270.24 | 3,476.93 | -117.59 | -3,240.24 | 3,239.72 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,700.00 | 92.50 | 270.24 | 3,472.57 | -117.18 | -3,340.14 | 3,339.62 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,800.00 | 92.50 | 270.24 | 3,468.20 | -116.76 | -3,440.05 | 3,439.53 | 0.00 | 0.00 | 0.00 | 0.000 |
| 6,900.00 | 92.50 | 270.24 | 3,463.84 | -116.35 | -3,539.95 | 3,539.43 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,000.00 | 92.50 | 270.24 | 3,459.48 | -115.94 | -3,639.85 | 3,639.34 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,100.00 | 92.50 | 270.24 | 3,455.12 | -115.53 | -3,739.76 | 3,739.24 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,200.00 | 92.50 | 270.24 | 3,450.76 | -115.12 | -3,839.66 | 3,839.15 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,300.00 | 92.50 | 270.24 | 3,446.39 | -114.70 | -3,939.57 | 3,939.05 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,400.00 | 92.50 | 270.24 | 3,442.03 | -114.29 | -4,039.47 | 4,038.96 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,500.00 | 92.50 | 270.24 | 3,437.67 | -113.88 | -4,139.37 | 4,138.86 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,600.00 | 92.50 | 270.24 | 3,433.31 | -113.47 | -4,239.28 | 4,238.77 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,700.00 | 92.50 | 270.24 | 3,428.95 | -113.05 | -4,339.18 | 4,338.67 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,800.00 | 92.50 | 270.24 | 3,424.58 | -112.64 | -4,439.09 | 4,438.58 | 0.00 | 0.00 | 0.00 | 0.000 |
| 7,900.00 | 92.50 | 270.24 | 3,420.22 | -112.23 | -4,538.99 | 4,538.48 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,000.00 | 92.50 | 270.24 | 3,415.86 | -111.82 | -4,638.89 | 4,638.38 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,100.00 | 92.50 | 270.24 | 3,411.50 | -111.41 | -4,738.80 | 4,738.29 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,200.00 | 92.50 | 270.24 | 3,407.14 | -110.99 | -4,838.70 | 4,838.19 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,300.00 | 92.50 | 270.24 | 3,402.77 | -110.58 | -4,938.61 | 4,938.10 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,400.00 | 92.50 | 270.24 | 3,398.41 | -110.17 | -5,038.51 | 5,038.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,500.00 | 92.50 | 270.24 | 3,394.05 | -109.76 | -5,138.41 | 5,137.91 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,600.00 | 92.50 | 270.24 | 3,389.69 | -109.35 | -5,238.32 | 5,237.81 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,700.00 | 92.50 | 270.24 | 3,385.33 | -108.93 | -5,338.22 | 5,337.72 | 0.00 | 0.00 | 0.00 | 0.000 |



Wellbenders

Standard Plan With Toolface

| | | | |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
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| Well: | #3H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Plan #1 | Database: | WBDS_SQL_2 |

Planned Survey

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100ft) | Build (°/100ft) | Turn (°/100ft) | TFace (°) |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|-------------------|--------------------|-------------------|--------------|
| 8,800.00 | 92.50 | 270.24 | 3,380.97 | -108.52 | -5,438.13 | 5,437.62 | 0.00 | 0.00 | 0.00 | 0.000 |
| 8,900.00 | 92.50 | 270.24 | 3,376.60 | -108.11 | -5,538.03 | 5,537.53 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,000.00 | 92.50 | 270.24 | 3,372.24 | -107.70 | -5,637.93 | 5,637.43 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,100.00 | 92.50 | 270.24 | 3,367.88 | -107.28 | -5,737.84 | 5,737.34 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,200.00 | 92.50 | 270.24 | 3,363.52 | -106.87 | -5,837.74 | 5,837.24 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,300.00 | 92.50 | 270.24 | 3,359.16 | -106.46 | -5,937.65 | 5,937.15 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,400.00 | 92.50 | 270.24 | 3,354.79 | -106.05 | -6,037.55 | 6,037.05 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,500.00 | 92.50 | 270.24 | 3,350.43 | -105.64 | -6,137.45 | 6,136.96 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,600.00 | 92.50 | 270.24 | 3,346.07 | -105.22 | -6,237.36 | 6,236.86 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,700.00 | 92.50 | 270.24 | 3,341.71 | -104.81 | -6,337.26 | 6,336.77 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,800.00 | 92.50 | 270.24 | 3,337.35 | -104.40 | -6,437.17 | 6,436.67 | 0.00 | 0.00 | 0.00 | 0.000 |
| 9,900.00 | 92.50 | 270.24 | 3,332.98 | -103.99 | -6,537.07 | 6,536.58 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,000.00 | 92.50 | 270.24 | 3,328.62 | -103.58 | -6,636.97 | 6,636.48 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,100.00 | 92.50 | 270.24 | 3,324.26 | -103.16 | -6,736.88 | 6,736.39 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,200.00 | 92.50 | 270.24 | 3,319.90 | -102.75 | -6,836.78 | 6,836.29 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,300.00 | 92.50 | 270.24 | 3,315.54 | -102.34 | -6,936.69 | 6,936.20 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,400.00 | 92.50 | 270.24 | 3,311.17 | -101.93 | -7,036.59 | 7,036.10 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,500.00 | 92.50 | 270.24 | 3,306.81 | -101.51 | -7,136.49 | 7,136.01 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,568.97 | 92.50 | 270.24 | 3,303.80 | -101.23 | -7,205.40 | 7,204.91 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,600.00 | 92.50 | 270.24 | 3,302.45 | -101.10 | -7,236.40 | 7,235.91 | 0.00 | 0.00 | 0.00 | 0.000 |
| 10,649.05 | 92.50 | 270.24 | 3,300.31 | -100.90 | -7,285.40 | 7,284.91 | 0.00 | 0.00 | 0.00 | 0.000 |

Checked By: _____ Approved By: _____ Date: _____

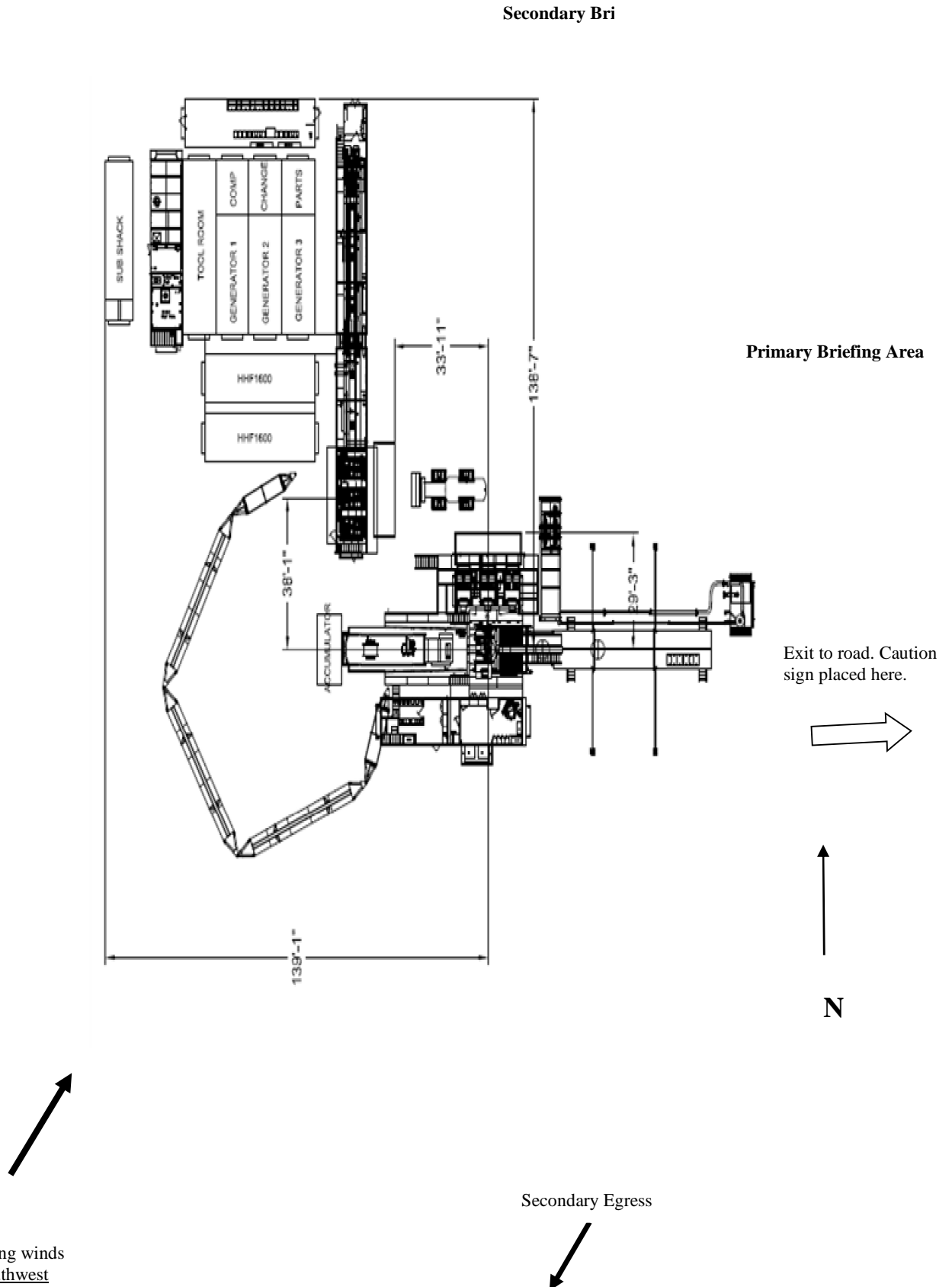


Permian Drilling Hydrogen Sulfide Drilling Operations Plan Nirvana 3H

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.



Intent ☐ As Drilled ☐

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

Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

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

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

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

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

KZ 06/29/2018