<u>District I</u> 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

Signature:

Title:

Date:

Printed Name:

Email Address:

Electronically filed by Sarah Chapman

Phone: 832-930-8613

Regulatory Director

6/30/2020

schapman@spurepllc.com

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 279690

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

1. Operator Name and Address Sput Feerey Partners LLC 9655 Katy Freeway Houston, TX 77024 5. Property Name 3.0015-47254 3. API Number 3.0015-47254 3. API Number 3.0015-47254 4. Property Code 3.28505 5. Property Name NIRVANA 5. Surface Location 1. Well No. 0.002		ICATION FOR PERMIT	I TO DRILL, RE-	ENTER, DEEPEN	N, PLUGBAC	K, OR ADD	A ZON	<u> </u>	
A. Property Code 3.28505 S. Property Name Section S. Property Name Section S. Sect	Spur Energy Partners LLC							328947	
County C									54
T. Surface Location Township Range Lot Idn M Feet From N/S Line S Feet From G665 E/W Line County Eddy							6. Well N		
	328505	NIRVANA						002H	
M 27			7. Surf						
8. Proposed Bottom Hole Location UL - Lot P Section 29 Township Range 26E Lot Idn P Feet From 913 N/S Line Feet From 1270 E/W Line County Eddy 9. Pool Information 11. Work Type Away Well OIL Selection Now Well OIL Selection Now Well N									
Section Township 18S Range 26E Lot Idn P Feet From 913 N/S Line 1270 E/W Line County Eddy	M 27	18S 26E	M	560	<u> </u>	б	65	W	Eday
P 29									
Section Sect							.70		
Additional Well Information	P 29	18S 26E	<u> </u>	913	<u> </u>	12	.70	<u>E</u>	Eaay
Additional Well Information 11. Work Type 12. Well Type OIL 13. Cable/Rotary 14. Lease Type 3389 15. Ground Level Elevation 3389 16. Multiple 17. Proposed Depth 18. Formation 19. Contractor 20. Spud Date 7/10/2020 7/1			9. Poo'	Information					
12. Well Type New Well New Well New Well New Well 17. Proposed Depth 18. Formation 19. Contractor 19. Contractor 20. Spud Date 7/10/2020 7	PENASCO DRAW;SA-YESO (ASSOC)							50270	
12. Well Type New Well New Well New Well 13. Cable/Rotary 14. Lease Type Private 3369 3369 16. Multiple New Well 17. Proposed Depth 9712 18. Formation Yeso 19. Contractor 20. Spud Date 7/10/2020 7			Additional	Well Information					
16. Multiple N 9712 18. Formation Yeso 19. Contractor 7/10/2020 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	1. Work Type 12. We	II Type			Туре	15. Grd	ound Level	l Elevation	
N 9712 Yeso 7/10/2020 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 2950 1734 0 Prod 8.5 5 5.5 20 9674 1734 0 Casing/Cement Program: Additional Comments Casing/Cement Program: Additional Comments 22. Proposed Blowout Prevention Program Type Working Pressure Test Pressure Manufacturer Blind 5 70 Control Technology Inc.									
Distance from nearest fresh water well We will be using a closed-loop system in lieu of lined pits 21. Proposed Casing and Cement Program	·								
Proposed Casing and Cement Program Sacks of Cement Estimated TOC	I I	9712		1 2 2 2					
Type	Jepth to Ground water		Distance from nearest fresh water well Distance to nearest surface water						
Type	We will be using a closed-loop system in	n lieu of lined pits	<u>.</u>						
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 2950 1734 0 Casing/Cement Program: Additional Comments Casing/Cement Program: Additional Comments Type Working Pressure Manufacturer Blind 5 70 Control Technology Inc. Cas. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		·	24 Proposed Casi	ng and Coment Pre	aram				
Surf 12.25 9.625 36 1200 550 0	Type Hole Size Ca	sina Size C				Sacks of (Cement		Estimated TOC
Prod 8.5 5.5 20 9674 1734 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.									
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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.		С	asing/Cement Prog	ram: Additional Cor	mments				
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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. OIL CONSERVATION DIVISION	Tyne Workin:	n Pressure			gram		Manufa	acturer	
23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. OIL CONSERVATION DIVISION		-				Co			
knowledge and belief.				<u> </u>				3,	
	knowledge and belief.	·	·		C	OIL CONSERV	ATION DI	VISION	

Approved By:

Approved Date:

Title:

Raymond Podany

Expiration Date: 7/13/2022

Geologist

7/13/2020

Conditions of Approval Attached

Received by OCD: 7/13/2020 4:14:36 PM

District 1
1625 N. French Dr., Hobbs. NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

200

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

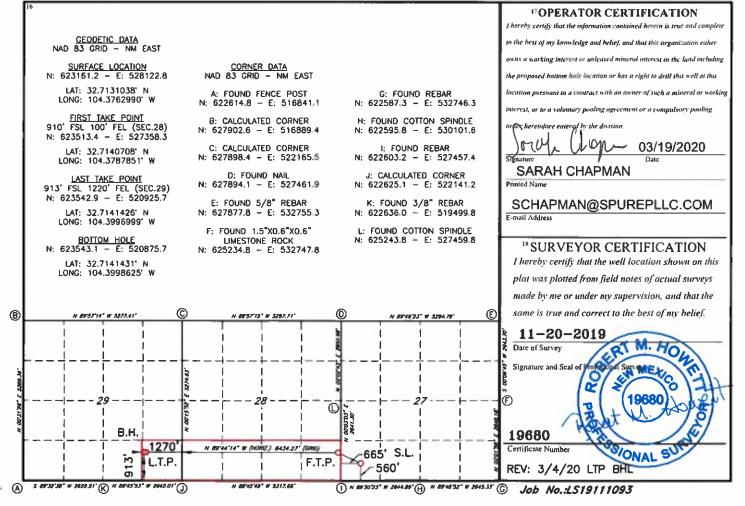
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

_		** 1	LEE ECCATION AND	ACKEAGE DEDICATION LAT		
Г	¹ API Numb	ст	² Pool Code	3 Pool Name	•	
	50270 PENASCO DRAW; SA YESO					
	4Property Code		\$ Property Name NIRVANA			
Γ	*OGRID NO. 328947			erator Name Y PARTNERS LLC.	⁹ Elevation 3369	
Ł	320341		SI OK ENERG	I PARTHERS LLC.	3308	

¹⁰ Surface Location Feet from the UL or lot no. Section Township Range Lot Idn North/South line Feet From the East/West line County 27 26E 560 SOUTH M **18**S 665 WEST **EDDY** Bottom Hole Location If Different From Surface UL or lot no. Range Lot Idn Feet from the North/South line East/West line Section Township Feet from the County 29 18S 26E 913 SOUTH 1270 EAST **EDDY** 12 Dedicated Acres 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.



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District II

State of New Mexico Energy. Minerals and Natural Resources

311 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	Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462	GAS CAPTURE PLAN

			GAS CAI	PTURE PL	_AN	
Date: 7/13/2020	_					
☑ Original	Оре	rator & OGRID No.:	[328947] Spur Energ	y Partners LL0		
☐ Amended - Reason Amendment:	for					
This Gas Capture Plan o	utlines actions to be t	aken by the Operator	to reduce well/product	ion facility flari	ng/venting for	new completion (new drill, recomplete to new zone, re-frac) activity.
Note: Form C-129 must	be submitted and app	roved prior to exceed	ing 60 days allowed b	y Rule (Subse	ction A of 19.	15.18.12 NMAC).
Well(s)/Production Facil	ity - Name of facility					
The well(s) that will be lo	-	on facility are shown in	the table below.			
Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
NIRVANA #002H	30-015-47254	M-27-18S-26E	0560S 0665W	3	Flared	WILL FLARE UNTIL GATHERING LINE TIE-IN
Gathering System and F	Pipeline Notification					
Well(s) will be connected	d to a production facil	ty after flowback oper	ations are complete, it	f gas transport	er system is ir	n place. The gas produced from production facility is dedicated to
LUCID ENERGY DELAY		vill be connected to L				
New Mexico. It will requir						our Energy Partners LLC provides (periodically) to
LUCID ENERGY DELAY						cheduled to be drilled in the foreseeable future. In addition,
Spur Energy Partners L						discuss changes to drilling and completion schedules. Gas from
these wells will be proce	essed at <u>LUCID ENE</u>	RGY DELAWARE, LLO	Processing Plai	nt located in S	ec. <u>25,</u> Twn	. 18S, Rng. 25E, Eddy County, New Mexico. The

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

actual flow of the gas will be based on compression operating parameters and gathering system pressures.

- Compressed Natural Gas On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
 - o Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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

Form APD Comments

Permit 279690

PERMIT COMMENTS

Operator Name and Address:	API Number:
Spur Energy Partners LLC [328947]	30-015-47254
9655 Katy Freeway	Well:
Houston, TX 77024	NIRVANA #002H

Created By Comment Comment Date

Form APD Conditions

Permit 279690

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Spur Energy Partners LLC [328947]	30-015-47254
9655 Katy Freeway	Well:
Houston, TX 77024	NIRVANA #002H

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

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

Buoyant Buoyant

	Casing 1	Intorvol		Weight			SF		Dody SE	Joint SF
Hole	Casing	intervai	Csg.	weight					- v	Juin Sr
	From (ft)	To (ft)	Size (in)	(lbs)	Grade	Conn.	Collapse	SF Burst	Tension	Tension
12.25	0	1200	9.625	36	J-55	BTC	1.125	1.2	1.4	1.4
8.75	0	2950	7	32	L-80	BTC	1.125	1.2	1.4	1.4
8.75	2950	9674	5.5	20	L-80	BK-HT	1.125	1.2	1.4	1.4
							SF V	alues will	meet or Ex	ceed

	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?	

3. Cementing Program

Casing String	# Sks	Wt. (lb/gal)	Yld (ft³/sack)	H ₂ 0 (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)	540	12.8	2.63	9.7	N/A	50/50 Poz C	
Production (Tail)	1194	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	9674	50%

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре	1	Tested to:
		3M	Annular	✓	70% of working pressure
12.25" Hole	13-5/8"		Blind Ram	✓	
12.23 Hole	13-3/8	3M	Pipe Ram Double Ram 25		250 psi / 3000 psi
		3101			230 psi / 3000 psi
			Other*		
		3M	Annular	✓	70% of working pressure
8.75" Hole	13-5/8"		Blind Ram ✓ Pipe Ram ✓ 250 pai		
8.73 Hole	13-3/8	3M			250 psi / 2000 psi
		SIVI	Double Ram		250 psi / 3000 psi
			Other*		

^{*}Specify if additional ram is utilized.

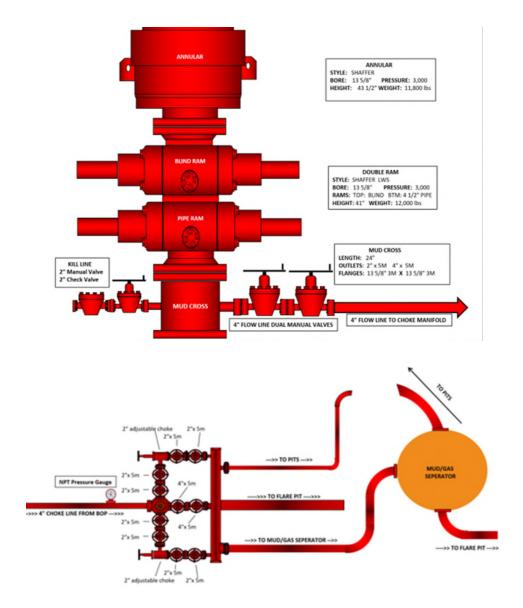
Spur will utilize a 5M annular with a 5M BOPE stack. The BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in 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.



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.

• 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		Trmo	Weight	Vigogity	Water Loss	
From (ft)	To (ft)	Туре	(ppg)	Viscosity	water Loss	
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
What will be used to monitor the loss of gain of fluid:	1 v 1/101D 10teo/ v isuai folittoring

6. Logging and Testing Procedures

Logg	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						

Addi	tional logs planned	Interval
No	Resistivity	
No	Density	
No	CBL	
Yes	Mud log	SCP - TD
No	PEX	

7. Drilling Conditions

Condition	Specify what type and where?		
BH Pressure at deepest TVD	1227 psi		
Abnormal Temperature	No		
BH Temperature at deepest TVD	102°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 (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S 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	H2S is present
Y	H2S Plan attached

8. Other facets of operation

Yes
No

Total estimated cuttings volume: 894.4 bbls.

Attachments

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

9. Company Personnel

		Mobile Phone
Manager	832-930-8629	713-380-7754
	Manager	Manager 832-930-8629



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME) Nirvana #2H OH

Plan: Plan #1

Standard Plan With Toolface

04 February, 2020



Map Zone:

Wellbenders

Standard Plan With Toolface

Spur Energy Partners, LLC Company:

Eddy County, NM (NAD 83 - NME) Project:

Nirvana Site: Well: #2H ОН Wellbore: Design: Plan #1

Well #2H Local Co-ordinate Reference:

TVD Reference: RKB=20' @ 3389.00usft (Akita 57) RKB=20' @ 3389.00usft (Akita 57) MD Reference:

North Reference: Grid

Minimum Curvature **Survey Calculation Method:** Database: WBDS_SQL_2

Project Eddy County, NM (NAD 83 - NME)

Map System: US State Plane 1983 North American Datum 1983 Geo Datum: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Nirvana

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

Well #2H **Well Position** +N/-S 0.00 usft Northing: 623,161.20 usft Latitude: 32.713104 +E/-W 0.00 usft 528.122.80 usft -104.376299 Easting: Longitude: 0.00 usft 3,369.00 usft **Position Uncertainty** Wellhead Elevation: usft **Ground Level:**

ОН Wellbore Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT) 7.081 47.870.28711577 IGRF2015 2/3/2020 60.348

Design Plan #1 **Audit Notes:**

Version: Phase: **PLAN** Tie On Depth: 0.00 **Vertical Section:** Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.00 270.26 0.00 0.00

Survey Tool Program Date 2/3/2020

> From То

(usft) (usft) Survey (Wellbore) **Tool Name** Description

0.00 9,711.61 Plan #1 (OH) MWD+IGRF OWSG MWD + IGRF or WMM

Wellbenders Standard Plan With Toolface

SPUR ENERGY PARTNERS

Company: Spur Energy Partners, LLC

Project: Eddy County, NM (NAD 83 - NME)

Site: Nirvana
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

Well #2H

TVD Reference:

RKB=20' @ 3389.00usft (Akita 57)

MD Reference: RKB=20' @ 3389.00usft (Akita 57)

North Reference: Grid

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	2.00	32.00	599.98	1.48	0.92	-0.92	2.00	2.00	0.00	32.002
700.00	4.00	32.00	699.84	5.92	3.70	-3.67	2.00	2.00	0.00	0.000
800.00	6.00	32.00	799.45	13.31	8.32	-8.26	2.00	2.00	0.00	0.000
900.00	8.00	32.00	898.70	23.64	14.78	-14.67	2.00	2.00	0.00	0.000
1,000.00	10.00	32.00	997.47	36.91	23.07	-22.90	2.00	2.00	0.00	0.000
1,100.00	12.00	32.00	1,095.62	53.09	33.18	-32.94	2.00	2.00	0.00	0.000
1,200.00	14.00	32.00	1,193.06	72.16	45.10	-44.77	2.00	2.00	0.00	0.000
1,300.00	16.00	32.00	1,289.64	94.11	58.81	-58.39	2.00	2.00	0.00	0.000
1,400.00	18.00	32.00	1,385.27	118.90	74.31	-73.77	2.00	2.00	0.00	0.000
1,435.96	18.72	32.00	1,419.40	128.51	80.31	-79.72	2.00	2.00	0.00	0.000
1,500.00	18.72	32.00	1,480.05	145.94	91.20	-90.54	0.00	0.00	0.00	0.000
1,600.00	18.72	32.00	1,574.76	173.15	108.21	-107.42	0.00	0.00	0.00	0.000
1,658.65	18.72	32.00	1,630.31	189.12	118.18	-117.32	0.00	0.00	0.00	0.000
1,700.00	17.05	24.29	1,669.66	200.27	124.20	-123.28	7.00	-4.04	-18.66	-128.790
1,750.00	15.51	13.05	1,717.67	213.47	128.72	-127.75	7.00	-3.09	-22.47	-121.446
1,800.00	14.63	359.99	1,765.96	226.30	130.23	-129.20	7.00	-1.75	-26.14	-110.659
1,850.00	14.55	346.07	1,814.37	238.72	128.71	-127.63	7.00	-0.16	-27.84	-98.036
1,900.00	15.28	332.73	1,862.70	250.67	124.18	-123.04	7.00	1.45	-26.67	-84.561
1,950.00	16.71	321.10	1,910.77	262.12	116.65	-115.46	7.00	2.85	-23.26	-71.672
2,000.00	18.67	311.55	1,958.42	273.03	106.14	-104.90	7.00	3.93	-19.10	-60.488
2,050.00	21.03	303.91	2,005.45	283.35	92.70	-91.42	7.00	4.71	-15.28	-51.384

Wellbenders

Standard Plan With Toolface

Company: Spur Energy Partners, LLC

Project: Eddy County, NM (NAD 83 - NME)

Site: Nirvana
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

Well #2H

 TVD Reference:
 RKB=20' @ 3389.00usft (Akita 57)

 MD Reference:
 RKB=20' @ 3389.00usft (Akita 57)

North Reference: Grid

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 (°)
2,100.00	23.66	297.82	2,051.70	293.04	76.38	-75.05	7.00	5.26	-12.18	-44.196
2,150.00	26.48	292.93	2,096.99	302.06	57.24	-55.87	7.00	5.64	-9.79	-38.563
2,200.00	29.44	288.93	2,141.15	310.39	35.34	-33.93	7.00	5.92	-7.99	-34.126
2,250.00	32.50	285.61	2,184.02	318.00	10.78	-9.33	7.00	6.11	-6.63	-30.595
2,300.00	35.63	282.82	2,225.44	324.84	-16.37	17.84	7.00	6.26	-5.59	-27.751
2,350.00	38.81	280.42	2,265.26	330.91	-45.99	47.49	7.00	6.37	-4.79	-25.433
2,400.00	42.04	278.33	2,303.31	336.17	-77.97	79.50	7.00	6.46	-4.17	-23.523
2,450.00	45.30	276.50	2,339.48	340.61	-112.20	113.75	7.00	6.52	-3.68	-21.935
2,500.00	48.59	274.85	2,373.61	344.21	-148.56	150.12	7.00	6.58	-3.28	-20.604
2,550.00	51.90	273.37	2,405.58	346.96	-186.89	188.46	7.00	6.62	-2.97	-19.483
2,600.00	55.23	272.02	2,435.27	348.84	-227.06	228.65	7.00	6.65	-2.71	-18.535
2,650.00	58.57	270.77	2,462.58	349.85	-268.93	270.51	7.00	6.68	-2.50	-17.730
2,671.40	60.00	270.26	2,473.51	350.01	-287.32	288.91	7.00	6.70	-2.37	-17.048
2,700.00	60.00	270.26	2,487.81	350.13	-312.09	313.68	0.00	0.00	0.00	0.000
2,800.00	60.00	270.26	2,537.81	350.52	-398.70	400.28	0.00	0.00	0.00	0.000
2,871.40	60.00	270.26	2,573.51	350.81	-460.53	462.12	0.00	0.00	0.00	0.000
2,900.00	62.86	270.26	2,587.18	350.92	-485.64	487.23	10.00	10.00	0.00	0.000
2,950.00	67.86	270.26	2,608.02	351.13	-531.08	532.66	10.00	10.00	0.00	0.000
3,000.00	72.86	270.26	2,624.82	351.35	-578.15	579.74	10.00	10.00	0.00	0.000
3,050.00	77.86	270.26	2,637.45	351.57	-626.51	628.10	10.00	10.00	0.00	0.000
3,100.00	82.86	270.26	2,645.82	351.79	-675.79	677.38	10.00	10.00	0.00	0.000
3,150.00	87.86	270.26	2,649.87	352.02	-725.61	727.20	10.00	10.00	0.00	0.000
3,188.90	91.75	270.26	2,650.00	352.20	-764.50	766.09	10.00	10.00	0.00	0.000
3,200.00	91.75	270.26	2,649.66	352.25	-775.60	777.19	0.00	0.00	0.00	0.000
3,300.00	91.75	270.26	2,646.61	352.71	-875.55	877.14	0.00	0.00	0.00	0.000
3,400.00	91.75	270.26	2,643.55	353.17	-975.50	977.09	0.00	0.00	0.00	0.000
3,500.00	91.75	270.26	2,640.50	353.63	-1,075.45	1,077.05	0.00	0.00	0.00	0.000

Wellbenders

Standard Plan With Toolface

Company: Spur Energy Partners, LLC

Project: Eddy County, NM (NAD 83 - NME)

Site: Nirvana
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

Well #2H RKB=20' @ 3389.00usft (Akita 57)

 TVD Reference:
 RKB=20' @ 3389.00usft (Akita 57)

 MD Reference:
 RKB=20' @ 3389.00usft (Akita 57)

North Reference: Grid

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 (°)
3,600.00	91.75	270.26	2,637.45	354.08	-1,175.41	1,177.00	0.00	0.00	0.00	0.000
3,700.00	91.75	270.26	2,634.39	354.54	-1,275.36	1,276.95	0.00	0.00	0.00	0.000
3,800.00	91.75	270.26	2,631.34	355.00	-1,375.31	1,376.91	0.00	0.00	0.00	0.000
3,900.00	91.75	270.26	2,628.28	355.46	-1,475.26	1,476.86	0.00	0.00	0.00	0.000
4,000.00	91.75	270.26	2,625.23	355.92	-1,575.22	1,576.81	0.00	0.00	0.00	0.000
4,100.00	91.75	270.26	2,622.18	356.38	-1,675.17	1,676.77	0.00	0.00	0.00	0.000
4,200.00	91.75	270.26	2,619.12	356.83	-1,775.12	1,776.72	0.00	0.00	0.00	0.000
4,300.00	91.75	270.26	2,616.07	357.29	-1,875.07	1,876.67	0.00	0.00	0.00	0.000
4,400.00	91.75	270.26	2,613.02	357.75	-1,975.02	1,976.63	0.00	0.00	0.00	0.000
4,500.00	91.75	270.26	2,609.96	358.21	-2,074.98	2,076.58	0.00	0.00	0.00	0.000
4,600.00	91.75	270.26	2,606.91	358.67	-2,174.93	2,176.53	0.00	0.00	0.00	0.000
4,700.00	91.75	270.26	2,603.85	359.13	-2,274.88	2,276.49	0.00	0.00	0.00	0.000
4,800.00	91.75	270.26	2,600.80	359.59	-2,374.83	2,376.44	0.00	0.00	0.00	0.000
4,900.00	91.75	270.26	2,597.75	360.04	-2,474.79	2,476.39	0.00	0.00	0.00	0.000
5,000.00	91.75	270.26	2,594.69	360.50	-2,574.74	2,576.35	0.00	0.00	0.00	0.000
5,100.00	91.75	270.26	2,591.64	360.96	-2,674.69	2,676.30	0.00	0.00	0.00	0.000
5,200.00	91.75	270.26	2,588.59	361.42	-2,774.64	2,776.25	0.00	0.00	0.00	0.000
5,300.00	91.75	270.26	2,585.53	361.88	-2,874.60	2,876.21	0.00	0.00	0.00	0.000
5,400.00	91.75	270.26	2,582.48	362.34	-2,974.55	2,976.16	0.00	0.00	0.00	0.000
5,500.00	91.75	270.26	2,579.42	362.79	-3,074.50	3,076.11	0.00	0.00	0.00	0.000
5,600.00	91.75	270.26	2,576.37	363.25	-3,174.45	3,176.07	0.00	0.00	0.00	0.000
5,700.00	91.75	270.26	2,573.32	363.71	-3,274.40	3,276.02	0.00	0.00	0.00	0.000
5,800.00	91.75	270.26	2,570.26	364.17	-3,374.36	3,375.97	0.00	0.00	0.00	0.000
5,900.00	91.75	270.26	2,567.21	364.63	-3,474.31	3,475.93	0.00	0.00	0.00	0.000
6,000.00	91.75	270.26	2,564.15	365.09	-3,574.26	3,575.88	0.00	0.00	0.00	0.000
6,100.00	91.75	270.26	2,561.10	365.54	-3,674.21	3,675.83	0.00	0.00	0.00	0.000
6,200.00	91.75	270.26	2,558.05	366.00	-3,774.17	3,775.79	0.00	0.00	0.00	0.000

Wellbenders

Standard Plan With Toolface

Company: Spur Energy Partners, LLC

Project: Eddy County, NM (NAD 83 - NME)

Site: Nirvana
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

Well #2H RKB=20' @ 3389.00usft (Akita 57)

 TVD Reference:
 RKB=20' @ 3389.00usft (Akita 57)

 MD Reference:
 RKB=20' @ 3389.00usft (Akita 57)

North Reference: Grid

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 (°)
6,300.00	91.75	270.26	2,554.99	366.46	-3,874.12	3,875.74	0.00	0.00	0.00	0.000
6,400.00	91.75	270.26	2,551.94	366.92	-3,974.07	3,975.69	0.00	0.00	0.00	0.000
6,500.00	91.75	270.26	2,548.89	367.38	-4,074.02	4,075.65	0.00	0.00	0.00	0.000
6,600.00	91.75	270.26	2,545.83	367.84	-4,173.98	4,175.60	0.00	0.00	0.00	0.000
6,700.00	91.75	270.26	2,542.78	368.29	-4,273.93	4,275.56	0.00	0.00	0.00	0.000
6,800.00	91.75	270.26	2,539.72	368.75	-4,373.88	4,375.51	0.00	0.00	0.00	0.000
6,900.00	91.75	270.26	2,536.67	369.21	-4,473.83	4,475.46	0.00	0.00	0.00	0.000
7,000.00	91.75	270.26	2,533.62	369.67	-4,573.78	4,575.42	0.00	0.00	0.00	0.000
7,100.00	91.75	270.26	2,530.56	370.13	-4,673.74	4,675.37	0.00	0.00	0.00	0.000
7,200.00	91.75	270.26	2,527.51	370.59	-4,773.69	4,775.32	0.00	0.00	0.00	0.00
7,300.00	91.75	270.26	2,524.46	371.05	-4,873.64	4,875.28	0.00	0.00	0.00	0.00
7,400.00	91.75	270.26	2,521.40	371.50	-4,973.59	4,975.23	0.00	0.00	0.00	0.00
7,500.00	91.75	270.26	2,518.35	371.96	-5,073.55	5,075.18	0.00	0.00	0.00	0.00
7,600.00	91.75	270.26	2,515.29	372.42	-5,173.50	5,175.14	0.00	0.00	0.00	0.00
7,700.00	91.75	270.26	2,512.24	372.88	-5,273.45	5,275.09	0.00	0.00	0.00	0.00
7,800.00	91.75	270.26	2,509.19	373.34	-5,373.40	5,375.04	0.00	0.00	0.00	0.00
7,900.00	91.75	270.26	2,506.13	373.80	-5,473.36	5,475.00	0.00	0.00	0.00	0.00
8,000.00	91.75	270.26	2,503.08	374.25	-5,573.31	5,574.95	0.00	0.00	0.00	0.00
8,100.00	91.75	270.26	2,500.03	374.71	-5,673.26	5,674.90	0.00	0.00	0.00	0.00
8,200.00	91.75	270.26	2,496.97	375.17	-5,773.21	5,774.86	0.00	0.00	0.00	0.00
8,300.00	91.75	270.26	2,493.92	375.63	-5,873.16	5,874.81	0.00	0.00	0.00	0.00
8,400.00	91.75	270.26	2,490.86	376.09	-5,973.12	5,974.76	0.00	0.00	0.00	0.00
8,500.00	91.75	270.26	2,487.81	376.55	-6,073.07	6,074.72	0.00	0.00	0.00	0.00
8,600.00	91.75	270.26	2,484.76	377.00	-6,173.02	6,174.67	0.00	0.00	0.00	0.00
8,700.00	91.75	270.26	2,481.70	377.46	-6,272.97	6,274.62	0.00	0.00	0.00	0.00
8,800.00	91.75	270.26	2,478.65	377.92	-6,372.93	6,374.58	0.00	0.00	0.00	0.00
8,900.00	91.75	270.26	2,475.59	378.38	-6,472.88	6,474.53	0.00	0.00	0.00	0.00

WellbendersStandard Plan With Toolface

Company: Spur Energy Partners, LLC

Project: Eddy County, NM (NAD 83 - NME)
Site: Nirvana

Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

Well #2H

TVD Reference: RK
MD Reference: RK

RKB=20' @ 3389.00usft (Akita 57) RKB=20' @ 3389.00usft (Akita 57)

North Reference: Grid

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 (°)
9,000.00	91.75	270.26	2,472.54	378.84	-6,572.83	6,574.48	0.00	0.00	0.00	0.000
9,100.00	91.75	270.26	2,469.49	379.30	-6,672.78	6,674.44	0.00	0.00	0.00	0.000
9,200.00	91.75	270.26	2,466.43	379.75	-6,772.74	6,774.39	0.00	0.00	0.00	0.000
9,300.00	91.75	270.26	2,463.38	380.21	-6,872.69	6,874.34	0.00	0.00	0.00	0.000
9,400.00	91.75	270.26	2,460.33	380.67	-6,972.64	6,974.30	0.00	0.00	0.00	0.000
9,500.00	91.75	270.26	2,457.27	381.13	-7,072.59	7,074.25	0.00	0.00	0.00	0.000
9,600.00	91.75	270.26	2,454.22	381.59	-7,172.54	7,174.20	0.00	0.00	0.00	0.000
9,631.57	91.75	270.26	2,453.25	381.73	-7,204.10	7,205.76	0.00	0.00	0.00	0.000
9,700.00	91.75	270.26	2,451.16	382.05	-7,272.50	7,274.16	0.00	0.00	0.00	0.000
9,711.61	91.75	270.26	2,450.81	382.10	-7,284.10	7,285.76	0.00	0.00	0.00	0.000

Checked By:	Approved By:	Date:	



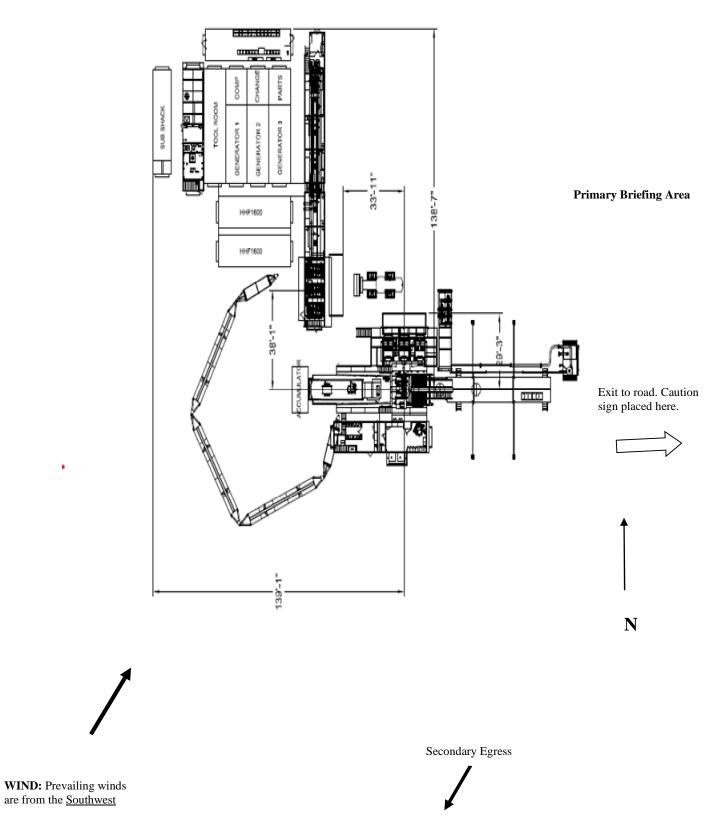
Permian Drilling Hydrogen Sulfide Drilling Operations Plan Nirvana 2H

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



Intent		As Dril	led											
API#														
Oper	rator Nar	me:	1			Prop	erty N		Well Number					
						l								
Kick C	off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From N	I/S	Feet		Fron	n E/W	County	
Latitu	de				Longitu	ıde							NAD	
First T	ake Poin	it (FTP)												
UL	Section	Township	Range	Lot	Feet		From N/S		Feet		From E/W		County	
Latitu	de				Longitu	ıde							NAD	
Last T	ake Poin	+ (I TD)												
UL	Section	Township	Range	Lot	Feet	Fror	n N/S	Feet		From	E/W	Count	:y	
Latitu	de				Longitu	ıde NAD								
Is this	well the	defining v	vell for th	ne Hori:	zontal Sp	pacing	g Unit?							
Ic thic	well an i	infill well?			7									
15 (1115	wen an	mini wen:			_									
	l is yes pl ng Unit.	lease provi	de API if	availat	ole, Opei	rator I	Name	and w	vell nı	umbei	r for I	Definir	ng well fo	r Horizontal
API#														
Oper	rator Nar	me:	1			Prop	erty N	ame:						Well Number

KZ 06/29/2018