

Santa Fe Main Office  
Phone: (505) 476-3441 Fax: (55) 476-3462  
General Information  
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State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
Revised July 18, 2013

## Oil Conservation Division

☐ AMENDED REPORT

Online Phone Directory Visit:  
<http://www.emnrd.nm.gov/ocd/contact-us/>

1220 South St. Francis Dr.

Santa Fe, NM 87505

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

1. Operator Name and Address 2. ROUGHHOUSE OPERATING, LLC 16051 ADDISON ROAD, SUITE 300 ADDISON, TEXAS 75001		2. OGRID Number 330608
		3. API Number 30-025-35764
3. Property Code 330804	4. Property Name OREK "16" STATE	5. Well No. 1

## 6. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet from	E/W Line	County
A	16	17S	34E		714	NORTH	900	EAST	LEA

## 7. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet from	E/W Line	County

## 8. Pool Information

Pool Name VACUUM ABO NORTH	Pool Code 61760
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## Additional Well Information

10. Work Type P	11. Well Type O	12. Cable/Rotary	13. Lease Type S	14. Ground Level Elevation 4071
15. Multiple N	16. Proposed Depth 8860-8903	17. Formation ABO	18. Contractor PULLING UNIT	19. Spud Date UPON APPROVAL
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

## 20. Proposed Casing and Cement Program


Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
SURFAC	14 3/4"	11 3/4"	42#	425	350	SURFACE
INT	11"	8 5/8"	32#	4900	1090	SURFACE
PROD	7 7/8"	5 1/2"	17	13,400	1180	4500'

## Casing/Cement Program: Additional Comments

PROPOSE TO SET PLUGS ABOVE MORROW, STRAWN, WOLFCAMP AND PERFORATE AND ACIDIZE ABO FROM 8860-8903 AND TEST.

## 21. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DOUBLE RAM	5000#	5000#	SCHAFFER

22. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature:  Printed name: Christopher W. Frain Title: Manager E-mail Address: <a href="mailto:legal@roughhouseoperating.com">legal@roughhouseoperating.com</a> (legal) <a href="mailto:tfolmar@roughhouseoperating.com">tfolmar@roughhouseoperating.com</a> (operations)	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:

Date: 11/20/2024	Phone: 972.738.6426	Conditions of Approval Attached
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Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116  Online Phone Directory Visit: <a href="https://www.emnrd.nm.gov/ocd/contact-us/">https://www.emnrd.nm.gov/ocd/contact-us/</a>	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		C-102	
			Revised July 9, 2024 Submit Electronically via OCD Permitting	
			Submittal Type:	<input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

## WELL LOCATION INFORMATION

API Number 30-025-35764	Pool Code 61760	Pool Name VACUUM ABO NORTH
Property Code 330804	Property Name OREK STATE	Well Number 1
OGRID No. 330608	Operator Name ROUGHHOUSE OPERATING, LLC	Ground Level Elevation 4071
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

## Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	16	17S	34E		714 FNL	900 FEL	32°50'24.21	-103°33'34.56	LEA

## Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	16	17S	34E		714 FNL	900 FED			

Dedicated Acres 80	Infill or Defining Well INFILL	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

## Kick Off Point (KOP)

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

## First Take Point (FTP)

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

## Last Take Point (LTP)

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

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical	Ground Floor Elevation: 4071'
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## OPERATOR CERTIFICATIONS

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.

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.

 11-26-24  
Signature Date

Christopher W. Frain (Manager)

Printed Name

legal@roughhouseoperating.com

Email Address

## SURVEYOR CERTIFICATIONS

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.

Signature and Seal of Professional Surveyor

Certificate Number

Date of Survey

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



ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is 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.



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: Roughhouse Operating, LLC OGRID: 330608 Date: 11 / 20 / 2024

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: Recomplete to a zone up the hole

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
Orek State #1	3002535764	ASEC16T17SR34E	900 FEL	80	50	150

IV. Central Delivery Point Name: DCP METER STATION 713944-00 [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
<u>OREK STATE #1</u>	<u>3002535764</u>	<u>2/26/2002</u>	<u>04/16/2002</u>	<u>12/15/2024</u>	<u>12/15/2024</u>	<u>01/01/2025</u>

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: 
Printed Name: Christopher W. Frain
Title: Manager
E-mail Address: <a href="mailto:tfolmar@roughhouseoperating.com">tfolmar@roughhouseoperating.com</a> (operations) legal@roughhouseoperating.com (legal)
Date: 11/20/2024
Phone: 972-768-6426 operations, 616-291-4879 (legal)
<b>OIL CONSERVATION DIVISION</b> (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:



## ROUGHHOUSE OPERATING

In reference to VI of NM OCD's Natural Gas Management Plan Roughhouse Operating, LLC will utilize the current facility equipment which includes 2 500 bbl oil tanks, 1 500 bbl fiberglass water tank and a 2 phase (30" x 10') separator. In addition to the current equipment, we will be adding a 4' x 20' 3 phase separator (heater treater). Gas capture optimization will happen because 2 pieces of equipment will be used to utilize the gas while ensuring that no gas is vented.

In reference to VII of NM OCD's Natural Gas Management Plan, Roughhouse Operating, LLC will comply with rule 19.15.27.8 NMAC by ensuring that all thief hatches, Enardo Valves and KimRay valves are properly maintained to minimize any gas venting. AVO inspections will be conducted daily as well as the submittal of the C115B to the OCD and the SLO monthly. If any issues arise with the equipment the well will be immediately shut in and all necessary repairs completed before putting the well back into production.

In reference to VIII of NM OCD's Natural Gas Management Plan, Roughhouse Operating, LLC will ensure our best management practices to minimize venting during active and planned maintenance by shutting the tubing and casing in, ensuring no gas is vented. Upon completion of necessary maintenance events the well will be put back online and gas sales resumed.



Orek 16 State #1

30-025-35764

A-16-17S-34E 714 FNL 900 FEL

Lea County, NM

### Formation Tops

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 12239	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 12549	T. Pictured Cliffs	T. Penn. "D"
T. Yates 2933	T. Miss 13274	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 3945	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 4733	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 6170	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 7534	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo 8279	T.	T. Wingate	T.
T. Wolfcamp 10109	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C) 11179	T.	T. Penn "A"	T.

972.768.6426

16051 Addison Road, Suite 300  
Addison, TX 75001





Orek 16 State #1

30-025-35764

A-16-17S-34E    714 FNL    900 FEL

Lea County, NM

Regarding Pressure Control Equipment for the recompletion of the Orek 16 State #1 Roughhouse Operating proposes to utilize a 5000 psi Blow Out Preventor with blinds and pipe rams on a pulling unit.

972.768.6426

16051 Addison Road, Suite 300  
Addison, TX 75001

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

CONDITIONS

Action 408090

CONDITIONS

Operator: Roughhouse Operating, LLC 16051 Addison Road Addison, TX 75001	OGRID: 330608
	Action Number: 408090
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By	Condition	Condition Date
pkautz	MUST SUBMIT PLUG BACK PROCEEDURE PRIOR TO COMMENCING WORK. PLUGS REQUIRED ABOVE CURRENT PERFORATIONS AND AT THE TOP OF THE STRAWN AND WOFCAMP. MUST NOT USE COMPOSIT PLUG.	1/16/2025
pkautz	IF USING CIBP MUST BE CAPPED BY 35 FEET OF CEMENT IF USING WIRELINE OR IF BY TUBING BY A MINIMUM OF 100 FEET CEMENT OR MINIMUM OF 25 SXS CEMENT WHICHEVER IS GREATER.	1/16/2025