

State of Colorado
Energy & Carbon Management Commission

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SUNDRY NOTICE

This form is required for reports, updates, and requests as specified in the ECMC rules. It is also used to request changes to some aspects of approved permits for Wells and Oil and Gas Locations.

ECMC Operator Number: <u>96850</u>	Contact Name <u>Jonathan Humphreys</u>
Name of Operator: <u>TEP ROCKY MOUNTAIN LLC</u>	Phone: <u>(832) 726-1147</u>
Address: <u>1058 COUNTY ROAD 215</u>	Fax: ()
City: <u>PARACHUTE</u> State: <u>CO</u> Zip: <u>81635</u>	Email: <u>jhumphreys@terraep.com</u>

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 045 06920 00 ID Number: 211161

Name: JUHAN Number: RMV 22-35

Location QtrQtr: NWNE Section: 35 Township: 6S Range: 94W Meridian: 6

County: GARFIELD Field Name: RULISON

Oil & Gas Location(s) and Oil & Gas Development Plan (OGDP) Information

Location(s)

Location ID	Location Name and Number
323908	SAVAGE RMV 22-35

OGDP(s)

No OGDP

WELL LOCATION CHANGE OR AS-BUILT GPS REPORT

- Change of Location for Well * As-Built GPS Location Report As-Built GPS Location Report with Survey

* Well Location Change requires a new Plat.

SURFACE LOCATION GPS DATA Data must be provided for Change of Surface Location and As Built Reports.

Latitude _____ Longitude _____

GPS Quality Value: _____ Type of GPS Quality Value: _____ Measurement Date: _____

Well Ground Elevation: _____ feet (Required for change of Surface Location.)

WELL LOCATION CHANGE

Well plan is: _____ (Vertical, Directional, Horizontal)

				FNL/FSL		FEL/FWL	
Change of Surface Footage From :				739	FNL	2060	FEL
Change of Surface Footage To :							
Current Surface Location From	QtrQtr <u>NWNE</u>	Sec <u>35</u>	Twp <u>6S</u>	Range <u>94W</u>	Meridian <u>6</u>		
New Surface Location To	QtrQtr	Sec	Twp	Range	Meridian		
Change of Top of Productive Zone Footage From :							
Change of Top of Productive Zone Footage To :							**
Current Top of Productive Zone Location		Sec	Twp	Range			
New Top of Productive Zone Location		Sec	Twp	Range			

Change of **Base of Productive Zone** Footage **From:**

Change of **Base of Productive Zone** Footage **To:**

**

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec

Twp

Range

Change of **Bottomhole** Footage **From:**

Change of **Bottomhole** Footage **To:**

**

Current **Bottomhole** Location

Sec

Twp

Range

** attach deviated drilling plan

New **Bottomhole** Location

Sec

Twp

Range

SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

- Building: _____ Feet
- Building Unit: _____ Feet
- Public Road: _____ Feet
- Above Ground Utility: _____ Feet
- Railroad: _____ Feet
- Property Line: _____ Feet

INSTRUCTIONS:

- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

SUBSURFACE MINERAL SETBACKS

Required for change of Top and/or Base of Productive Zone. Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? _____

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: _____ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: _____ Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: _____ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: _____ Feet

Exception Location

If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers. _____

LOCATION CHANGE COMMENTS

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

<u>Objective Formation</u>	<u>Formation Code</u>	<u>Spacing Order Number</u>	<u>Unit Acreage</u>	<u>Unit Configuration</u>	<u>Add</u>	<u>Modify</u>	<u>No Change</u>	<u>Delete</u>
WILLIAMS FORK	WMFK	0	640	ALL			X	

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

REPORT OF TEMPORARY ABANDONMENT

Describe the method used to ensure that the Well is closed to the atmosphere and the Operator's plans for future operation of the Well in the COMMENTS box below as required by Rule 434.b.(1).

REQUEST FOR TEMPORARY ABANDONMENT EXCEEDING 6 MONTHS

State the reason for the extension request and explain the Operator's plans for future operation of the Well in the COMMENTS box below as required by Rule 434.b.(3).

Date well temporarily abandoned _____

Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required. Date of last MIT _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT/REQUEST FOR APPROVAL Approximate Start Date _____

SUBSEQUENT REPORT Date of Activity 06/04/2024

<input checked="" type="checkbox"/> Bradenhead Plan	<input type="checkbox"/> Venting or Flaring (Rule 903)	<input type="checkbox"/> E&P Waste Mangement
<input type="checkbox"/> Change Drilling Plan	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Change		
<input type="checkbox"/> Underground Injection Control		
<input type="checkbox"/> Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.)		
<input type="checkbox"/> Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.)		
<input type="checkbox"/> Other		

Request that an existing produced water sample from the same formation be used per Rule 909.j.(6) to meet the requirements of Rule 909.j.(1)-(5) for this Well.

Pit ID _____ Pit Name _____

(No Sample Provided)

Subsequent well operations with heavy equipment (Rule 312)

(No Well Provided)

COMMENTS:

TEP Rocky Mountain LLC (TEP) is reporting the results of recent diagnostic testing and requesting ECMC approval to increase the bradenhead threshold pressure on the Juhan RMV 22-35 well before proceeding with connecting the bradenhead to the sales line. This well currently has a ECMC calculated bradenhead threshold pressure of 99 psi based on a surface casing depth of 331 feet. The calculated bradenhead threshold pressure was exceeded on April 8, 2024. The Form 17 reporting the results of the recent bradenhead test is included in the "Related Forms" section.

TEP is requesting a revised bradenhead threshold pressure of 130 psi to allow the bradenhead connection to the sales line to effectively manage the annulus pressure based on the following diagnostics:

- Echo-meter data indicates that the fluid level in the bradenhead annulus is 50 feet from surface, thus indicating that the bradenhead pressure required to exceed the threshold pressure at the surface casing shoe would be 121 psi.
- Third-party gathering line pressures average 115 psi with occasional short-term pressure fluctuations due to operational related activities.

TEP has performed a detailed analysis regarding the potential source of pressure in the bradenhead and has determined the following:

- Review of the original CBL hard copy indicates a TOC at 3,636', which is 1,651 feet above the top perforation at 5,287 feet and 118 feet above the top of the Mesaverde formation at 3,754 feet. A copy of the CBL indicating the TOC is included in the attachments.
- The deepest water well within a one-mile radius of the Juhan RMV 22-25 is 215 feet. The Juhan RMV 22-35 has a surface casing depth of 331 feet which provides adequate protection of the shallow aquifer. Water well information from the ECMC's database that was reviewed as part of this analysis is included in the attachments.
- The bradenhead gas flow rate is de minimus, as the well bled down to 0 psi within the first five minutes of the recent bradenhead test while flowing to atmosphere through a one-half inch valve.
- TEP will collect gas samples from both the production casing and the bradenhead during the next meter calibration to confirm the gases are compositionally different. The analytical results of these analyses will be included in the subsequent Form 4.

Upon ECMC approval of the requested bradenhead threshold increase and the connection of the bradenhead to the sales line, TEP will proceed with completing the bradenhead connection to the sales line and inform the ECMC via a subsequent Form 4 submittal. Please find an updated wellbore diagram attached.

GAS CAPTURE

VENTING AND FLARING:

Operation type: _____ Operational phase requiring venting/flaring: _____

Reason for venting/flaring: _____

Describe Other reason for venting/flaring:

Describe why venting or flaring is necessary. If reporting per Rule 903.b.(2), 903.c.(3).C, or 903.d.(2), include the explanation, rationale, and cause of the event:

Describe how the operation will protect and minimize adverse impacts to public health, safety, welfare, the environment, and wildlife resources. If reporting per Rule 903.d.(2), include BMPs used to minimize venting on the BMP Tab:

Total volume of gas vented or flared: _____ mcf estimated measured

Total duration of emission event: _____ hours consecutive cumulative

Submit a single representative gas analysis via Form 43 to create a Sample Site Facility ID# for this Location. Reference the Form 43 document number on the Related Forms tab.

Sample Site Facility ID#: _____

GAS CAPTURE PLAN

Describe the plan to connect to a gathering line or beneficially use the gas; include anticipated timeline:

A Gas Capture Plan that meets the requirements of Rule 903.e is attached.

CASING PROGRAM

(No Casing Provided)

POTENTIAL FLOW AND CONFINING FORMATIONS

H2S REPORTING

Intentional release of H2S gas due to Upset Condition or malfunction.

Intent to temporarily abandon well with potential H2S concentration >100 ppm.

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million)

Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: _____

COMMENTS:

OIL & GAS LOCATION UPDATES

OGDP ID _____ OGDP Name _____

SITE EQUIPMENT LIST UPDATES

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

Wells _____	Oil Tanks _____	Condensate Tanks _____	Water Tanks _____	Buried Produced Water Vaults _____
Drilling Pits _____	Production Pits _____	Special Purpose Pits _____	Multi-Well Pits _____	Modular Large Volume Tank _____
Pump Jacks _____	Separators _____	Injection Pumps _____	Heater-Treaters _____	Gas Compressors _____
Gas or Diesel Motors _____	Electric Motors _____	Electric Generators _____	Fuel Tanks _____	LACT Unit _____
Dehydrator Units _____	Vapor Recovery Unit _____	VOC Combustor _____	Flare _____	Enclosed Combustion Devices _____
Meter/Sales Building _____	Pigging Station _____		Vapor Recovery Towers _____	

OTHER PERMANENT EQUIPMENT UPDATES

OTHER TEMPORARY EQUIPMENT UPDATES

CULTURAL AND SAFETY SETBACK UPDATES

OTHER LOCATION CHANGES AND UPDATES

Provide a description of other changes or updates to technical information for this Location:

[Empty text box]

POTENTIAL OGDG UPDATES

PROPOSED CHANGES TO AN APPROVED OGDG

This Sundry Form 4 is being submitted pursuant to Rule 301.c to propose changes to an approved Oil and Gas Development Plan.

Check all boxes that pertain to the type(s) of changes being proposed for this OGDG:

- Add Oil and Gas Location(s)
- Amend Oil and Gas Location(s)
- Remove Oil and Gas Location(s)
- Oil and Gas Location attachment or plan updates
- Other
- Add Drilling and Spacing Unit(s)
- Amend Drilling and Spacing Unit(s)
- Remove Drilling and Spacing Unit(s)
- Amend the lands subject to the OGDG

Provide a detailed description of the changes being proposed for this OGDG. Attach supporting documentation such as maps if necessary.

[Empty text box]

Best Management Practices

No BMP/COA Type

Description

Operator Comments:

[Empty text box for Operator Comments]

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Scott Ghan

Title: Sr. Regulatory Specialist Email: sghan@terraep.com Date: 7/18/2024

Based on the information provided herein, this Sundry Notice (Form 4) complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: Katz, Aaron Date: 7/24/2024

CONDITIONS OF APPROVAL, IF ANY LIST

COA Type	Description
	1) If the bradenhead pressure exceeds the adjusted threshold pressure, submit a new Form 4 Sundry -Bradenhead Plan 2) Monitor fluid level in bradenhead annulus and report fluid level increase changes to the ECMC 3) Sample bradenhead and production gas. Submit lab results on a Form 43 and diagnostic information on a Form 4 Sundry
1 COA	

General Comments

User Group	Comment	Comment Date
Engineer	Based on hydrostatic calculations at the surface casing shoe accounting for fluid height and current BH pressure the BH pressure threshold for this well can be adjusted to 115 psi. with temporary fluctuations up to 130 psi for operational related maintenance. CBL and WBD attached	07/24/2024

Total: 1 comment(s)

ATTACHMENT LIST

Att Doc Num	Name
403812506	SUNDRY NOTICE APPROVED-OBJ
403812516	WELLBORE DIAGRAM
403859342	OTHER
403859343	OTHER
403864405	FORM 4 SUBMITTED

Total Attach: 5 Files