

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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DE	ET	OE	ES
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SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 96850 Contact Name Jason Bundick
 Name of Operator: TEP ROCKY MOUNTAIN LLC Phone: (817) 648-6133
 Address: PO BOX 370 Fax: ()
 City: PARACHUTE State: CO Zip: 81635 Email: jbundick@terraep.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 045 23903 00 OGCC Facility ID Number: 454636
 Well/Facility Name: CLOUGH Well/Facility Number: NR 311-3
 Location QtrQtr: NESW Section: 3 Township: 6S Range: 94W Meridian: 6
 County: GARFIELD Field Name: RULISON
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srfc Eqpmt Diagram		
Technical Info Page		
Other		

CHANGE OF LOCATION OR AS BUILT GPS REPORT

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

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

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

Latitude _____ PDOP Reading _____ Date of Measurement _____
 Longitude _____ GPS Instrument Operator's Name _____

LOCATION CHANGE (all measurements in Feet)

Well will be: _____ (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr NESW Sec 3

New **Surface** Location **To** QtrQtr _____ Sec _____

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec 3

New **Top of Productive Zone** Location **To** Sec _____

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec 3 Twp 6S

New **Bottomhole** Location Sec _____ Twp _____

Is location in High Density Area? _____

Distance, in feet, to nearest building _____, public road: _____, above ground utility: _____, railroad: _____,

property line: _____, lease line: _____, well in same formation: _____

Ground Elevation _____ feet Surface owner consultation date _____

FNL/FSL		FEL/FWL	
<u>1859</u>	<u>FSL</u>	<u>1756</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>6S</u>	Range <u>94W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
<u>624</u>	<u>FNL</u>	<u>250</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>6S</u>	Range <u>94W</u>		
Twp _____	Range _____		
<u>624</u>	<u>FNL</u>	<u>250</u>	<u>FWL</u>
_____	_____	_____	_____
Twp _____	Range _____		

**

**

** attach deviated drilling plan

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

SPUD DATE: _____

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 Approximate Start Date 10/29/2018

REPORT OF WORK DONE Date Work Completed _____

<input type="checkbox"/> Intent to Recomplete (Form 2 also required)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Mangement Plan
<input type="checkbox"/> Change Drilling Plan	<input checked="" type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Change	<input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request.	
<input type="checkbox"/> Other _____	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

TEP Rocky Mountain LLC requests permission to repair the NR 311-3 well.

The well failed the casing pressure test. This well is on the NR 23-3 pad.

On the initial pressure test (attached), TEP pressured up to 9200 psi and the well bled down to 2,000 psi immediately. There was no pressure on the Braden head nor did any water return.

Next TEP set a bridge plug at TOC located at 5,664'. On this second pressure test (attached) we got up to 7000 psi and no leakoff was observed.

To help located our damaged casing we ran a 40 arm caliper and located two potential holes at 8,065' and 8,400'.

Currently there is no pressure on this well and we will continue to monitor it closely. Below is TEP's proposal to repair the well:

Remediation Plan:

- Gauge ring runs at 3.80" to make sure we can get through tight joint at 7,252' and bad spots at 8,065' and 8,400'
- Run Packer into 8,100' and test below to see if bad spots below 8,065' are leaking
- o If leak occurs, run packer into hole locate and confirm additional leak at 8,400' and make plan to squeeze
- o If no leak is detected continue on with procedure
- Set a plug below 8,065' and squeeze casing part off
- o Could potentially need casing alignment tool to keep parted casing aligned during cement job
- Drill out cement and test to make sure leak is sealed
- Run in 30' casing patch to 8,400' and set
- Run in 20' casing patch to 8,065' and set
- Frac with undersized 2-3/4" scalloped perf guns and magnum long range plugs.
- Set 2 magnum long range Kill Plugs below patch at 8,400'
- Fish both Patches
- Drill out well to bottom, land tubing and produce.

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

H2S REPORTING

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:

Best Management Practices

No BMP/COA Type

Description

Operator Comments:

[Empty 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: Jeffrey Kirtland
Title: Regulatory Lead Email: jkirtland@terraep.com Date: 10/11/2018

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

COGCC Approved: Chollett, Shannon Date: 11/2/2018

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401791817	SUNDRY NOTICE APPROVED-REPAIR
401791819	PRESSURE TEST
401791820	PRESSURE TEST
401822142	FORM 4 SUBMITTED

Total Attach: 4 Files