

State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
Document Number: <u>402602997</u>			
Date Received: <u>03/10/2021</u>			

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 Vicki Schoeber
Name of Operator: TEP ROCKY MOUNTAIN LLC Phone: (970) 263-2721
Address: PO BOX 370 Fax: ()
City: PARACHUTE State: CO Zip: 81635 Email: vschoeber@terraep.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 103 12460 00 OGCC Facility ID Number: 478377
Well/Facility Name: FEDERAL Well/Facility Number: RG 42-18-297
Location QtrQtr: NWNE Section: 18 Township: 2S Range: 97W Meridian: 6
County: RIO BLANCO Field Name: SULPHUR CREEK
Federal, Indian or State Lease Number: COC0003453

Survey Plat		
Directional Survey		
Srvc 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 GPS Quality Value: Type of GPS Quality Value: Measurement Date:
Longitude

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 NWNE Sec 18

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 18

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 18 Twp 2S

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>675</u>	<u>FNL</u>	<u>2100</u>	<u>FEL</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
Twp <u>2S</u>	Range <u>97W</u>	Meridian <u>6</u>	
Twp <u> </u>	Range <u> </u>	Meridian <u> </u>	
<u>1406</u>	<u>FNL</u>	<u>715</u>	<u>FEL</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
Twp <u>2S</u>	Range <u>97W</u>		
Twp <u> </u>	Range <u> </u>		
<u>1406</u>	<u>FNL</u>	<u>715</u>	<u>FEL</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
			**

** attach deviated drilling plan

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>

OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name FEDERAL Number RG 42-18-297 Effective Date: _____

To: Name _____ Number _____

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form 2) – Well API Number _____ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number _____ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ **CENTRALIZED E&P WASTE MANAGEMENT FACILITY:** Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number _____ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: _____

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: _____

RECLAMATION**INTERIM RECLAMATION**

☐ Interim Reclamation will commence approximately _____

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

Field inspection will be conducted to document Rule 1003.e. compliance

FINAL RECLAMATION

☐ Final Reclamation will commence approximately _____

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

Field inspection will be conducted to document Rule 1004.c. compliance

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 03/10/2021

☐ 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 checked="" 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"/> Rule 502 variance requested. Must provide detailed info regarding request. | |
| <input type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |
| <input type="checkbox"/> Other _____ | | |

COMMENTS:

TEP Rocky Mountain LLC (TEP) requests a design change to the Federal RG 42-18-297 wellbore. TEP's proposal with respect to well design, encompasses drilling a 17-1/2" surface section to approximately 1417' and running 13-3/8" surface casing to ~200 ft above the dissolution loss zone. This would enable TEP to set this surface casing and establish effective cement returns to surface avoiding further doubt of cement integrity and remedial operations. That would provide a competent surface shoe in place as well as the option to nipple up the BOP for a secure air drilled intermediate section through the highly fractured dissolution zone. The 12-1/4" intermediate section would be drilled to the original permitted depth at approximately 3234' (500' into Wasatch) followed by running 9-5/8" 36# J-55 intermediate casing - functioning as a fracture gradient isolation contingency string. The purpose of cement for the 9-5/8" intermediate contingency string is to provide sufficient drilling mud weight at TD for the following production section and TOC is planned to be 500 ft above the Wasatch formation and utilizing 50% excess with a single stage slurry.

Hole design:

Surface hole size 17.5" to ~1417' MD and approx. 200' above Dissolution Surface.

Surface casing – 13.375", J-55, BTC, 54.5#

Intermediate hole size – 12.25" to TD 500' into the Wasatch same as permitted.

Intermediate casing – 9.625", J-55, LTC, 36# is the same specs as permitted.

Cement design:

Surface Casing – 12.3# Single stage slurry with 40% excess

Intermediate – Single stage slurry

12.3# Lead with TOC ~500' MD above the Wasatch with 50% excess.

12.8# Tail from TD to 500' above float shoe.

Note: Directional plans are on file and have not changed. The Blow Out Preventer (BOP) will be changed out from an 11" 5K to a 13 5/8" 5K BOP.

CASING PROGRAM

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	30	20	X-65	78.67	0	84	199	84	0
SURF	17+1/2	13+3/8	J-55	54.5	0	1417	463	1417	0
1ST	12+1/4	9+5/8	J-55	36	0	3234	154	3234	2234
2ND	8+3/4	4+1/2	P-110	11.6	0	12058	970	12508	6675

POTENTIAL FLOW AND CONFINING FORMATIONS

<u>Zone Type</u>	<u>Formation /Hazard</u>	<u>Top M.D.</u>	<u>Top T.V.D.</u>	<u>Bottom M.D.</u>	<u>Bottom T.V.D.</u>	<u>TDS (mg/L)</u>	<u>Data Source</u>	<u>Comment</u>
Groundwater	Uinta	0	0	940	931	1001-10000	Other	Division of Reclamation, Mining and Safety Study
Groundwater	Green River	940	931	1104	1091	501-1000	Other	Division of Reclamation, Mining and Safety Study
Groundwater	A Groove	1104	1091	1294	1276	501-1000	Other	Division of Reclamation, Mining and Safety Study
Groundwater	B Groove	1294	1276	1617	1591	501-1000	Other	Division of Reclamation, Mining and Safety Study
Subsurface Hazard	Dissolution Surface	1617	1591	2524	2476			Lost Circulation Zone
Subsurface Hazard	Orange Marker	2524	2476	2734	2681			Lost Circulation Zone
Confining Layer	Wasatch	2734	2681	5174	5061			
Subsurface Hazard	Top of G Sand	5174	5061	5512	5391			Lost Circulation Zone
Hydrocarbon	Fort Union	5512	5391	6875	6721			
Hydrocarbon	Mesaverde	6875	6721	7978	7811			
Subsurface Hazard	Ohio Creek	6875	6721	6875	6721			Lost Circulation Zone
Hydrocarbon	Approx Top Gas	7978	7811	10328	10161			
Hydrocarbon	Cameo Coals	10328	10161	10908	10741			
Hydrocarbon	Rollins SS	10908	10741	11058	10891			
Hydrocarbon	Cozzette	11058	10891	11278	11111			
Hydrocarbon	Corcoran	11278	11111	11638	11471			
Hydrocarbon	Upper Sego	11638	11471	11938	11771			
Hydrocarbon	Lower Sego	11938	11771	12058	11891			

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

<u>No</u>		<u>BMP/COA Type</u>	<u>Description</u>

Operator Comments:

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

Signed: _____ Print Name: Vicki Schoeber
 Title: Regulatory Specialist Email: vschoeber@terraep.com Date: 3/10/2021

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

COGCC Approved: Katz, Aaron Date: 3/11/2021

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
	1)Cement COA: Operator shall provide cement coverage from the intermediate casing shoe (9 5/8" FIRST STRING) to a minimum of 500' above the top of the Wasatch formation.

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>Offset Well Evaluation: Existing offset oil and gas wells within 1,500 feet of this wellbore meet standards. No mitigation required.</p> <p>Offset water well check: COGCC evaluated offset water wells within one mile of this proposed well's surface hole location. This information in addition to locally-available geophysical logs and hydrogeologic information was used to evaluate the adequacy of the operator's proposed surface casing setting depth. The deepest water well within one mile is 12,104 feet. None of the water wells within one mile are for domestic use. API # 103-09997 is the well issued with this water well permit. The well produces gas from the Williams Fork.</p>	03/11/2021

Total: 1 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402602997	SUNDRY NOTICE APPROVED-DRLG-CSG
402606499	OTHER
402608165	OTHER
402625433	FORM 4 SUBMITTED

Total Attach: 4 Files