

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: 402603009			
Date Received:			

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 12466 00 OGCC Facility ID Number: 478383
 Well/Facility Name: FEDERAL Well/Facility Number: RG 544-7-297
 Location QtrQtr: NWNE Section: 18 Township: 2S Range: 97W Meridian: 6
 County: RIO BLANCO Field Name: SULPHUR CREEK
 Federal, Indian or State Lease Number: COC057285

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 _____ 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:

	FNL/FSL		FEL/FWL
<input type="text" value="655"/>	<input type="text" value="FNL"/>	<input type="text" value="2091"/>	<input type="text" value="FEL"/>

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Current **Surface** Location **From** QtrQtr Sec

Twp Range Meridian

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

Twp Range Meridian

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

<input type="text" value="506"/>	<input type="text" value="FSL"/>	<input type="text" value="646"/>	<input type="text" value="FEL"/>
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Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Current **Top of Productive Zone** Location **From** Sec

Twp Range

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

Twp Range

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

<input type="text" value="506"/>	<input type="text" value="FSL"/>	<input type="text" value="646"/>	<input type="text" value="FEL"/>
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Current **Bottomhole** Location Sec Twp Range

** attach deviated drilling plan

New **Bottomhole** Location Sec Twp Range

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 _____

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 544-7-297 wellbore. TEP's proposal with respect to well design, encompasses drilling a 17-1/2" surface section to approximately 1451' 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 3306' (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 ~1451' 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	89	212	89	0
SURF	17+1/2	13+3/8	J-55	54.5	0	1451	474	1451	0
1ST	12+1/4	9+5/8	J-55	36	0	3306	154	3306	2306
2ND	8+3/4	4+1/2	P-110	11.6	0	12279	970	12279	6894

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	968	956	1001-10000	Other	Division of Reclamation, Mining and Safety Study
Groundwater	Green River	968	956	1133	1116	501-1000	Other	Division of Reclamation, Mining and Safety Study
Groundwater	A Groove	1133	1116	1325	1301	501-1000	Other	Division of Reclamation, Mining and Safety Study
Groundwater	B Groove	1325	1301	1651	1616	501-1000	Other	Division of Reclamation, Mining and Safety Study
Subsurface Hazard	Dissolution Surface	1651	1616	2594	2526			Lost Circulation Zone
Subsurface Hazard	Orange Marker	2594	2526	2806	2731			Lost Circulation Zone
Confining Layer	Wasatch	2806	2731	5323	5161			
Subsurface Hazard	Top of G Sand	5323	5161	5665	5491			Lost Circulation Zone
Hydrocarbon	Fort Union	5665	5491	7094	6871			
Hydrocarbon	Mesaverde	7094	6871	8199	7961			
Subsurface Hazard	Ohio Creek	7094	6871	7094	6871			Lost Circulation Zone
Hydrocarbon	Approx Top Gas	8199	7961	10549	10311			
Hydrocarbon	Cameo Coals	10549	10311	11129	10891			
Hydrocarbon	Rollins SS	11129	10891	11279	11041			
Hydrocarbon	Cozzette	11279	11041	11499	11261			
Hydrocarbon	Corcoran	11499	11261	11859	11621			
Hydrocarbon	Upper Segó	11859	11621	12159	11921			
Hydrocarbon	Lower Segó	12159	11921	12279	12041			

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:

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: _____

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

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval

Total: 0 comment(s)

Attachment List

Att Doc Num

Name

402606608	OTHER
402608174	OTHER

Total Attach: 2 Files