

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: <u>402602997</u> | | | |
| 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 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 | | |
| 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:

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

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:

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

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:

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

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 _____

- Intent to Recomplete (Form 2 also required)
- Request to Vent or Flare
- E&P Waste Mangement Plan
- Change Drilling Plan
- Repair Well
- Beneficial Reuse of E&P Waste
- Gross Interval Change
- Rule 502 variance requested. Must provide detailed info regarding request.
- Bradenhead Plan
- Status Update/Change of Remediation Plans for Spills and Releases
- 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 Segó | 11638 | 11471 | 11938 | 11771 | | | |
| Hydrocarbon | Lower Segó | 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 | |
|----------------------------------|--------------------|
| 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 |
|--------------------|-------------|
| 402606499 | OTHER |
| 402608165 | OTHER |

Total Attach: 2 Files