

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>402603001</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 12470 00 OGCC Facility ID Number: 478387
 Well/Facility Name: FEDERAL Well/Facility Number: RG 341-18-297
 Location QtrQtr: NWNE Section: 18 Township: 2S Range: 97W Meridian: 6
 County: RIO BLANCO Field Name: SULPHUR CREEK
 Federal, Indian or State Lease Number: COC70220

| | | |
|---------------------|--|--|
| 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 |
| 668 | FNL | 2097 | FEL |

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

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Current **Surface** Location **From** QtrQtr NWNE Sec 18

| | | |
|---------------|------------------|-------------------|
| Twp <u>2S</u> | Range <u>97W</u> | Meridian <u>6</u> |
|---------------|------------------|-------------------|

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

| | | |
|-----------|-------------|----------------|
| Twp _____ | Range _____ | Meridian _____ |
|-----------|-------------|----------------|

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

| | | | |
|-----|-----|-----|-----|
| 289 | FNL | 637 | FEL |
|-----|-----|-----|-----|

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

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Current **Top of Productive Zone** Location **From** Sec 18

| | |
|---------------|------------------|
| Twp <u>2S</u> | Range <u>97W</u> |
|---------------|------------------|

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

| | |
|-----------|-------------|
| Twp _____ | Range _____ |
|-----------|-------------|

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

| | | | |
|-----|-----|-----|-----|
| 289 | FNL | 637 | FEL |
|-----|-----|-----|-----|

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

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Current **Bottomhole** Location Sec 18 Twp 2S Range 97W

** 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 _____

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 341-18-297 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 (Form2) – 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 341-18-297 wellbore. TEP's proposal with respect to well design, encompasses drilling a 17-1/2" surface section to approximately 1430' 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 3261' (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 ~1430' 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 | 1430 | 467 | 1430 | 0 |
| 1ST | 12+1/4 | 9+5/8 | J-55 | 36 | 0 | 3261 | 154 | 3261 | 2261 |
| 2ND | 8+3/4 | 4+1/2 | P-110 | 11.6 | 0 | 12137 | 970 | 12137 | 6754 |

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 | 955 | 946 | 1001-10000 | Other | Division of Reclamation, Mining and Safety Study |
| Groundwater | Green River | 955 | 946 | 1119 | 1106 | 501-1000 | Other | Division of Reclamation, Mining and Safety Study |
| Groundwater | A Goove | 1119 | 1106 | 1308 | 1291 | 501-1000 | Other | Division of Reclamation, Mining and Safety Study |
| Groundwater | B Groove | 1308 | 1291 | 1630 | 1606 | 501-1000 | Other | Division of Reclamation, Mining and Safety Study |
| Subsurface Hazard | Dissolution Surface | 1630 | 1606 | 2551 | 2506 | | | Lost Circulation Zone |
| Subsurface Hazard | Orange Marker | 2551 | 2506 | 2761 | 2711 | | | Lost Circulation Zone |
| Confining Layer | Wasatch | 2761 | 2711 | 5226 | 5121 | | | |
| Subsurface Hazard | Top of G Sand | 5226 | 5121 | 5563 | 5451 | | | Lost Circulation Zone |
| Hydrocarbon | Fort Union | 5563 | 5451 | 6954 | 6811 | | | |
| Subsurface Hazard | Ohio Creek | 6954 | 6811 | 6954 | 6811 | | | Lost Circulation Zone |
| Hydrocarbon | Mesaverde | 6954 | 6811 | 8057 | 7901 | | | |
| Hydrocarbon | Approx Top Gas | 8057 | 7901 | 10407 | 10251 | | | |
| Hydrocarbon | Cameo Coals | 10407 | 10251 | 10987 | 10831 | | | |
| Hydrocarbon | Rollins SS | 10987 | 10831 | 11137 | 10981 | | | |
| Hydrocarbon | Cozzette | 11137 | 10981 | 11357 | 11201 | | | |
| Hydrocarbon | Corcoran | 11357 | 11201 | 11717 | 11561 | | | |
| Hydrocarbon | Upper Segó | 11717 | 11561 | 12017 | 11861 | | | |
| Hydrocarbon | Lower Segó | 12017 | 11861 | 12137 | 11981 | | | |

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

| | |
|-----------|-------|
| 402606508 | OTHER |
| 402608170 | OTHER |

Total Attach: 2 Files