

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 CLOUGH-66S94W Number 15SWNW Effective Date: 04/15/2020

To: Name CLOUGH Number RWF 311-15

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 05/01/2020

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.
- Other Facility Update
- Status Update/Change of Remediation Plans for Spills and Releases

COMMENTS:

TEP Rocky Mountain LLC (TEP) is requesting approval to partially reconstruct the RWF 311-15 pad (Loc ID #335571) to support well completion operations for the ten (10) proposed wells on the Federal RWF 12-9 pad (Loc ID #335636, Amended Form 2A Doc #402165012).

See attached documents for project details: RWF 311-15 Frac Pad Plan of Development, Construction Layout and Cross Section, Hydrology Map, Interim Reclaim Layout and Cross Section, Frac Equipment Layout, Sensitive Area Determination, Objective Criteria Checklist and Sundry Notice Summary.

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	<u>BMP/COA Type</u>	<u>Description</u>
5	General Housekeeping	Storage of material and fluids on location during completion and production operations will be conducted in a neat and orderly manner with regards to potential fire hazards on site. All garbage and trash will be stored in enclosed bear proof trash containers and transported to an approved disposal facility periodically and upon completion of operations on the location. No garbage or trash will be disposed of on location. The well site and access road will be kept free of trash and debris at all time. Disposal of garbage and trash will occur approximately once per week during completions operations.
5	Emissions mitigation	Green completion practices will be employed to reduce emissions of gas and condensate vapor utilizing separators, tanks, sand traps, and other facilities to minimize emissions. All well fluids and gas will be directed to high pressure four phase separators. All produced water will be directed to a low-pressure separator to flash any remaining hydrocarbon. All unsaleable quantities of hydrocarbon will be sent to flare and water will be sent to sealed water tanks. The sealed water tanks will be emission controlled and manifolded to a combustion unit to incinerate any remaining odor causing vapors. All water flowing into the sealed water tanks will be pumped offsite to one of TEP's produced water management facilities.
5	Pre-Construction	Prior to commencement of construction activities, TEP will hold a pre-construction meeting with contractors to review proposed construction activities and installation of stormwater control measures. The site will be staked for construction prior to pre-construction meeting. Staking will identify the boundaries of the proposed site to protect existing vegetation in areas that should not be disturbed.
5	Dust control	Fugitive dust control measures will be employed during all phase of development to minimize dust pollution. Dust control measures include but are not limited to the application of fresh water via water truck along access road during construction and completion operations, speed restrictions, periodic road maintenance, road surfacing (i.e. gravel), and automation of wells to reduce truck traffic. Dust control measures will be employed on an as needed based.
5	Storm Water/Erosion Control	Stormwater BMP's will be in place during all phases of development to control stormwater runoff in a manner that minimizes erosion, transportation of sediment offsite, and site degradation. Stormwater BMP's will include perimeter controls such as sediment traps, diversion ditches, check dams, waddles, and others control measures necessary to control stormwater run-on and run-off and minimized offsite movement of sediment. Stormwater BMP's will also include site degradation control measures such as grading, slope stabilization methods (i.e. seeding, mulching, surface roughening), perimeter berms, surfacing materials (i.e. gravel), and others necessary to minimize site degradation. Stormwater controls will be installed with consideration given to worker safety, wildlife, and site access. A post-construction stormwater program will be developed for the facility as required per Rule 1002.f.(3). Stormwater is also addressed under a field-wide Stormwater Management Plan (CDPHE Certification COR404624). See the construction layout for the planned stormwater BMP's proposed for installation at the site for further details.
5	Construction	All construction equipment and materials will be contained within the proposed limits of the oil and gas location, access roads, or pipeline corridors. Topsoil will be stripped from the site and segregated from subsoil for reuse during pad reclamation. Fugitive dust control measures will be implemented as described in the dust control section of this document.

5 Wildlife	<p>The RWF 311-15 pad is located within Mule Deer Critical Winter Range sensitive wildlife habitat as currently mapped per COGCC geospatial data. The access road to the RWF 311-15 pad also traverses through Mule Deer Critical Winter Range sensitive wildlife habitat as currently mapped per COGCC geospatial data. TEP does not anticipate construction activities to occur during winter months (Dec. 1 - April 30.). However, completions operations may occur during this timeframe. TEP will consult with BLM and CPW to determine appropriate compensatory mitigation to offset impacts to wildlife if construction, drilling, or completions operations are planned to occur during winter months.</p> <p>To minimize the potential for wildlife related traffic accidents, TEP has implemented speed restrictions for all lease roads and requires that all TEP employees and contractors adhere to these posted speed restrictions.</p> <p>TEP agrees to report any bear conflicts immediately to CPW. TEP will implement COGCC Rule 1204.a.1 by utilizing bear proof dumpsters and trash receptacles for all food related trash. Exclusionary devices will be installed to prevent bird and other wildlife from accessing equipment stacks, vents, and openings.</p> <p>TEP will preclude from the use of aggressive CPW-identified non-native grasses and shrubs in mule deer and elk habitat and will reclaim the site using CPW-identified native shrubs, grasses and forbs appropriate to the ecological site disturbed. Certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife will be used. TEP will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas. Please see the attached CPW correspondence for additional details.</p>
5 Drilling/Completion Operations	<p>TEP will utilize the RWF 311-15 pad as a frac pad for centralized hydraulic fracturing operations during well completion operations for the proposed wells on the RWF 12-9 pad, minimizing unnecessary traffic. TEP will ensure 110 percent secondary containment for any volume of fluids contained at the well site during drilling and completions operations.</p>
5 Planning	<p>Prior to submittal, TEP conducted onsite and meetings with the Bureau of Land Management (BLM), Colorado Parks and Wildlife, and the associated private landowners. These onsite and meetings were held to discuss TEP's proposed activities on the RWF 311-15 pad. Changes were made to the proposed development plan based on feedback received from all stakeholders and included in this sundry.</p> <p>The RWF 311-15 pad was evaluated as a remote frac location to support completion operations for the ten (10) proposed wells on the Federal RWF 12-9 pad (COGCC Loc ID 335636). This location was chosen due to several factors including (1) its proximity to existing TEP operated facilities and existing pipeline infrastructure, (2) the location could be reconstructed to support temporary frac equipment, and (3) maximizes the utility of existing disturbance associated with previous oil and gas operations minimizing surface impacts to the greatest extent possible.</p>
5 Interim Reclamation	<p>Certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife will be used. TEP will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas. Soil amendments may be added to topsoil during reclamation activities to promote vegetation growth.</p>

Total: 10 comment(s)

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:

<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>
402371021	CONST. LAYOUT DRAWINGS
402371022	LOCATION DRAWING
402371023	HYDROLOGY MAP
402371024	PROPOSED BMPS
402371025	OTHER
402371026	LOCATION DRAWING
402371029	OTHER
402371031	OTHER

Total Attach: 8 Files