

State of Colorado Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: <u>402556091</u>			
Date Received: <u>12/17/2020</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: 10110 Contact Name Erin Lind
Name of Operator: GREAT WESTERN OPERATING COMPANY LLC Phone: (720) 595-2255
Address: 1001 17TH STREET #2000 Fax: ()
City: DENVER State: CO Zip: 80202 Email: elind@gwp.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 001 00 OGCC Facility ID Number: 453934
Well/Facility Name: Edmundson Well/Facility Number: 30
Location QtrQtr: SESE Section: 30 Township: 1S Range: 66W Meridian: 6
County: ADAMS Field Name: WATTENBERG
Federal, Indian or State Lease Number:

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 SESE Sec 30

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

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 Twp

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	
365	FSL	389	FEL
Twp 1S	Range 66W	Meridian 6	
Twp	Range	Meridian	
			**
Twp	Range		
Twp	Range		
			**
			** attach deviated drilling plan

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 EDMUNDSON Number 30 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 _____

☐ 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 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:

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>
1	Material Handling and Spill Prevention	Steel containment will be utilized around the separator area. The separator containment is designed and installed to prevent leakage and resist degradation from erosion or routine operation. The units will be placed on concrete blocks and compacted road base will be used to fill in the rest of the area.
2	Dust control	Great Western will implement speed restrictions, regular road maintenance, restrictions of construction activities during high wind days, and silica dust controls when handling sand used in hydraulic fracturing operations. The access road will be constructed with road base aggregate material and additional management practices such as road surfacing, wind breaks, and barriers may be used. Additionally, a street sweeper and/or water tank will be on call to limit dust when necessary.
3	Construction	Tanks and separation equipment will be anchored to the ground. Anchors will be installed to support the tank and separation equipment to resist flotation, collapse, lateral movement, or subsidence per COGCC Rule 603(h)(2)(B).
4	Noise mitigation	During the drilling and completions phases, Great Western will construct sound/visual walls that will be placed along the edges of the pad. The walls will be 32' high and have a PVC coated outer shell with multiple layers of acoustical fabric/cladding in between. The walls help absorb and block sound and will prevent ground level lighting from the oil and gas operations from shining on nearby residences and roads. This pad will be constructed in such a manner that noise mitigation may be installed and removed without disturbing the site or landscaping.
5	Emissions mitigation	Operator will provide air emissions monitoring to detect fugitive emissions at the production facility based upon a plan approved by the Director which will contain, at a minimum, the following conditions. A two-week baseline test will be conducted prior to the start of drilling. The monitors will be placed in proximity of the production facility and will remain in place from the beginning of drilling through production. One month following the initial thirty-day period after drilling commencement, a data summary report will be provided to the COGCC, which will include the first 30 days from the start of drilling, as well as the two-weeks of baseline data. Thereafter, monthly reports will be provided and submitted to the COGCC on a monthly basis for a duration of no less than one year, at which point, Operator may suspend further monitoring, upon approval of the Director and a finding by the Director that such monitoring is no longer necessary to protect public health, safety, welfare, the environment and wildlife resources. The air emissions monitoring will be performed by a third party.
6	Odor mitigation	Drilling rig and completion equipment engine exhaust shall be directed up and away from the occupied buildings located to the north and northwest of the location to mitigate odor emissions from the Location. Sealed tanks with pressure relief valves and emissions control devices shall be utilized throughout the production phase of the Location. Great Western uses an oil-based mud that meets the requirement for Group III classification and, if necessary, uses a masking agent to assist with odor mitigation.
7	Drilling/Completion Operations	During the drilling and completions phases, Great Western will construct sound/visual walls that will be placed along the edges of the pad. The sound/visual walls will prevent ground level lighting from the oil and gas operations from shining on nearby residences and roads. Light sources will be directed downwards, and away from occupied structures. Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site.
8	Drilling/Completion Operations	Great Western will utilize quiet completions fleets at this location.
9	Drilling/Completion Operations	Great Western will utilize a rig liner during drilling operations at this location. It will be a reinforced polyethylene liner that is, at its core, 30 mils thick.

Total: 9 comment(s)

Operator Comments:

Brighton Fire Protection District approved an Emergency Action Plan during the AUSR process. Additionally, an updated TRP Card and Emergency Action Plan for this location was sent to them on October 16th, 2020.

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

Signed: _____ Print Name: Erin Lind
 Title: Lead Regulatory Analyst Email: elind@gwn.com Date: 12/17/2020
CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
COGCC Approved: <u>DERANLEAU, GREG</u>	Odor COA: Prior to commencement of production operations, Operator will submit via Form 4, Sundry Notice for Director approval of an odor mitigation plan that covers, at a minimum, the production phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 426, as adopted by the Commission on November 23, 2020. Production operations will not commence until the Director has approved the plan. Date: <u>1/9/2021</u>
	Lighting COA: Prior to commencement of production operations, Operator will submit via Form 4, Sundry Notice for Director approval of a lighting mitigation plan that covers, at a minimum, the production phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 424, as adopted by the Commission on November 23, 2020. Production operations will not commence until the Director has approved the plan.
	Dust COA: Prior to commencement of production operations, Operator will submit via Form 4, Sundry Notice for Director approval of a dust mitigation plan that covers, at a minimum, the production phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 427, as adopted by the Commission on November 23, 2020. Production operations will not commence until the Director has approved the plan.
	Noise COA: Prior to commencement of production operations, Operator will submit via Form 4, Sundry Notice for Director approval of a noise mitigation plan that covers, at a minimum, the production phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 423, as adopted by the Commission on November 23, 2020. Production operations will not commence until the Director has approved the plan.
	Odor COA: Prior to commencement of drilling operations, Operator will submit via Form 4, Sundry Notice for Director approval of an odor mitigation plan that covers, at a minimum, the drilling and completions phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 426, as adopted by the Commission on November 23, 2020. Drilling operations will not commence until the Director has approved the plan.
	Lighting COA: Prior to commencement of drilling operations, Operator will submit via Form 4, Sundry Notice for Director approval of a lighting mitigation plan that covers, at a minimum, the drilling and completions phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 424, as adopted by the Commission on November 23, 2020. Drilling operations will not commence until the Director has approved the plan.
	Dust COA: Prior to commencement of drilling operations, Operator will submit via Form 4, Sundry Notice for Director approval of a dust mitigation plan that covers, at a minimum, the drilling and completions phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 427, as adopted by the Commission on November 23, 2020. Drilling operations will not commence until the Director has approved the plan.

	Noise COA: Prior to commencement of drilling operations, Operator will submit via Form 4, Sundry Notice for Director approval of a noise mitigation plan that covers, at a minimum, the drilling and completions phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 423, as adopted by the Commission on November 23, 2020. Drilling operations will not commence until the Director has approved the plan.
	Construction - Dust COA: Prior to commencement of construction operations, Operator will submit via Form 4, Sundry Notice for Director approval of a dust mitigation plan that covers, at a minimum, the construction phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 427, as adopted by the Commission on November 23, 2020. Construction operations will not commence until the Director has approved the plan.
	Construction - Noise COA: Prior to commencement of construction operations, Operator will submit via Form 4, Sundry Notice for Director approval of a noise mitigation plan that covers, at a minimum, the construction phase of operations on the oil and gas location. The plan will describe how the Operator will achieve compliance with Rule 423, as adopted by the Commission on November 23, 2020. Construction operations will not commence until the Director has approved the plan.
	Construction COA: Oil and Gas Location construction operations will occur only during daylight hours.
	COA: Operator will submit their air monitoring plan via Form 4, Sundry Notice for Director review and approval prior to implementation.
	COA: Operator will comply with all COA's and BMP's on the previously approved Form 2A (doc# 401290161) by Ward Petroleum Corporation, in addition to all BMP's and COA's on the most recently approved Form 4 Sundry (doc# 402556091). If there is a conflict between COA or BMP language, the most recently approved COA or BMP will be followed.

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	The various plans can be combined across operational phases, but should remain separate for the nuisance impact addressed. For example: if the Dust Plan covers all stages of operations and is submitted prior to beginning construction and approved, then additional Dust Plans will not need to be submitted prior to drilling and production stages.	01/08/2021
OGLA	The following changes were made with Operator concurrence: - added air monitoring BMP	01/08/2021
OGLA	OGLA review complete and task passed.	01/08/2021
Total: 3 comment(s)		

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402556091	SUNDRY NOTICE APPROVED
402570647	FORM 4 SUBMITTED
Total Attach: 2 Files	