

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: 402705313			
Date Received: 06/14/2021			

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: 10515 Contact Name Tyson Johnston
 Name of Operator: GUNNISON ENERGY LLC Phone: (303) 296-8807
 Address: 1801 BROADWAY #1150 Fax: ()
 City: DENVER State: CO Zip: 80202 Email: tyson.johnston@oxbow.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 051 06158 00 OGCC Facility ID Number: 469137
 Well/Facility Name: Trail Gulch Unit 1090 Well/Facility Number: 30-H2
 Location QtrQtr: SWSE Section: 30 Township: 10S Range: 90W Meridian: 6
 County: GUNNISON Field Name: WILDCAT
 Federal, Indian or State Lease Number: COC013600

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 39.157012 GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Measurement Date: 05/05/2020
 Longitude -107.477215

LOCATION CHANGE (all measurements in Feet)

Well will be: HORIZONTAL (Vertical, Directional, Horizontal)

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

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

Current **Surface** Location **From** QtrQtr SWSE Sec 30

New **Surface** Location **To** QtrQtr SWSE Sec 30

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 30

New **Top of Productive Zone** Location **To** Sec 30

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

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

Current **Bottomhole** Location Sec 18 Twp 10S

New **Bottomhole** Location Sec 18 Twp 10S

Is location in High Density Area? No

Distance, in feet, to nearest building 5280, public road: 5280, above ground utility: 5280, railroad: 5280,

property line: 2059, lease line: 938, well in same formation: 773

Ground Elevation 8123 feet

Surface owner consultation date _____

FNL/FSL		FEL/FWL	
<u>1005</u>	<u>FSL</u>	<u>1913</u>	<u>FEL</u>
<u>938</u>	<u>FSL</u>	<u>1833</u>	<u>FEL</u>
Twp <u>10S</u>	Range <u>90W</u>	Meridian <u>6</u>	
Twp <u>10S</u>	Range <u>90W</u>	Meridian <u>6</u>	
<u>1807</u>	<u>FSL</u>	<u>1711</u>	<u>FEL</u>
<u>1629</u>	<u>FSL</u>	<u>2117</u>	<u>FEL</u> **
Twp <u>10S</u>	Range <u>90W</u>		
Twp <u>10S</u>	Range <u>90W</u>		
<u>724</u>	<u>FNL</u>	<u>659</u>	<u>FWL</u>
<u>1871</u>	<u>FSL</u>	<u>601</u>	<u>FWL</u> **
Twp <u>10S</u>	Range <u>90W</u>		
Twp <u>10S</u>	Range <u>90W</u>		

** attach deviated drilling plan

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 TRAIL GULCH UNIT 1090 Number 30-H2 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 06/15/2021

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:

-This well was originally permitted with Oil Based mud after surface casing. Water based mud will be used throughout drilling operations.

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	Line	53	0	120	200	120	0
SURF	17+1/2	13+3/8	J-55	54.5	0	1000	742	1000	0
1ST	12+1/4	9+5/8	P-110	43.5	0	8613	1788	8613	0
2ND	8+1/2	5+1/2	P-110	23	0	21830	2677	21830	6000

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	Wasatch	0	0	300	300	501-1000	Other	Grand Mesa, Uncompahgre, and Gunnison National Forests Supplemental Forest Plan Assessment: Groundwater
Confining Layer	Wasatch	300	300	3077	3077			
Hydrocarbon	Williams Fork	3077	3077	5748	5747			
Hydrocarbon	Cameo	5748	5747	5948	5947			
Hydrocarbon	Rollins	5948	5947	6632	6631			
Hydrocarbon	Cozzette	6632	6631	6831	6830			
Hydrocarbon	Corcoran	6831	6830	7727	7726			
Hydrocarbon	Mancos	7727	7726	21830	10500			

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:

After the permits were approved for this multi-well location, Gunnison Energy decided to reorder the surface hole locations for safer drilling operations as well as modify the casing program. The directional plans have been adjusted accordingly and are attached.

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

Signed: _____ Print Name: Jessica Donahue
 Title: Compliance Specialist Email: jdonahue@ardorenvironmental.com Date: 6/14/2021

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

COGCC Approved: Katz, Aaron Date: 6/23/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type	Description
1 COA	<p>1) Operator shall comply with the most current revision of the Northwest Notification Policy.</p> <p>2) Operator shall provide cement coverage from the intermediate casing shoe (9 5/8" FIRST STRING) to a minimum of 200' above all Mesaverde Group (and Ohio Creek Formation, if present) oil, gas, and water-bearing sandstone and coalbed formations. Verify intermediate casing cement coverage with a cement bond log.</p> <p>3) Operator shall provide cement coverage from the production casing shoe (5 1/2" SECOND STRING) to a minimum of 200' above the intermediate casing shoe to provide isolation of all Cretaceous (including the Mancos and Niobrara formations) oil, gas, and water-bearing sandstone and coalbed formations that are not otherwise covered by the intermediate casing. Verify production casing cement coverage with a cement bond log.</p> <p>4) The Operator shall monitor the bradenhead pressure of the proposed well and all offset wells under Operator's control which penetrate the stimulated formation and have a treated interval separation of 300 feet or less. Monitoring shall occur from 24 hours prior to stimulation and shall continue until 24 hours after stimulation is complete. Recording shall be at a frequency of at least once per 24 hours with the capability of recording the maximum pressure observed during each 24 hour period. Operator shall notify COGCC Engineering staff if bradenhead pressures increase by more than 200 psig.</p>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>Offset water well check: COGCC evaluated offset water wells within one mile of this proposed well's surface hole location. This information was used in addition to locally available geophysical logs and hydrogeologic information was used to evaluate the adequacy of the operator's proposed surface casing setting depth. There are no existing, non-commercial, permitted water wells within 1 mile of this surface hole location.</p> <p>Offset Well Evaluation: There are no existing oil and gas wellbores belonging to another operator within 1500' of this wellbore. Existing operated offset oil and gas wellbores within 1,500' of this wellbore meet standards. No mitigation required.</p>	06/23/2021
Engineer	<p>Operator will only use water based mud for drilling operations</p> <p>Operator changed drilling plans and will not drill a pilot hole</p> <p>Change of drilling plans has added an 9 5/8" Intermediate casing string</p> <p>There is no Wasatch G production within 1 mile of the wellbore</p>	06/23/2021
Permit	<p>Doc#402691946 could not be passed without directional data. Took data from form 4 Doc#402691946 and combined it with this sundry, then returned old sundry to draft for deletion. Original APD was permitted as a horizontal not a pilot. Form passing permitting after corrections.</p>	06/22/2021
Engineer	<p>Deleted old version of drilling plans from attachments.</p> <p>Contacted operator via email to provide details on the formation, depths, TDS and data source for groundwater. Operator provided details were added to the PFZ Table.</p>	06/14/2021

Total: 4 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402705308	WELL LOCATION PLAT
402705313	SUNDRY NOTICE APPROVED-LOC-CONF-DRLG-CSG
402705551	DIRECTIONAL DATA
402717799	DEVIATED DRILLING PLAN
402727675	FORM 4 SUBMITTED

Total Attach: 5 Files