

**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>402749443</u>			
Date Received: <u>07/16/2021</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 Linsey Jones  
 Name of Operator: GREAT WESTERN OPERATING COMPANY LLC Phone: (720) 595-2218  
 Address: 1001 17TH STREET #2000 Fax: ( )  
 City: DENVER State: CO Zip: 80202 Email: Ljones@gwp.com

Complete the Attachment Checklist

OP OGCC

API Number : 05- 001 10495 00 OGCC Facility ID Number: 476863  
 Well/Facility Name: GUS LD Well/Facility Number: 34-376HN  
 Location QtrQtr: SENE Section: 21 Township: 1S Range: 67W Meridian: 6  
 County: ADAMS Field Name: WATTENBERG  
 Federal, Indian or State Lease Number: \_\_\_\_\_

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 39.953186 GPS Quality Value: 1.2 Type of GPS Quality Value: PDOP Measurement Date: 06/12/2018  
 Longitude -104.885946

**LOCATION CHANGE (all measurements in Feet)**

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

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

FNL/FSL		FEL/FWL	
<u>1648</u>	<u>FNL</u>	<u>456</u>	<u>FEL</u>

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

<u>1618</u>	<u>FNL</u>	<u>456</u>	<u>FEL</u>
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Current **Surface** Location **From** QtrQtr SENE Sec 21

Twp <u>1S</u>	Range <u>67W</u>	Meridian <u>6</u>
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New **Surface** Location **To** QtrQtr SENE Sec 21

Twp <u>1S</u>	Range <u>67W</u>	Meridian <u>6</u>
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Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

<u>2565</u>	<u>FSL</u>	<u>1200</u>	<u>FWL</u>
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Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

				**
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Current **Top of Productive Zone** Location **From** Sec 22

Twp <u>1S</u>	Range <u>67W</u>
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New **Top of Productive Zone** Location **To** Sec \_\_\_\_\_

Twp _____	Range _____
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Change of **Bottomhole** Footage **From** Exterior Section Lines:

<u>370</u>	<u>FSL</u>	<u>1220</u>	<u>FWL</u>
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

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Current **Bottomhole** Location Sec 34 Twp 1S Range 67W \*\* attach deviated drilling plan

New **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_

Is location in High Density Area? \_\_\_\_\_

Distance, in feet, to nearest building 1259, public road: 1048, above ground utility: 432, railroad: 5280,

property line: 456, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation 5124 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 07/16/2021

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:**

Proposed change in SHL, total depth, and casing/cementing plan

**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>
SURF	13+1/2	9+5/8	J55	40	0	2000	844	2000	0
1ST	8+1/2	5+1/2	HCP110	20	0	21167	3097	21167	

**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	Fox Hills	912	912	1187	1187	501-1000	USGS	USGS WSP 2302
Confining Layer	Pierre	1187	1187	1385	1385			
Groundwater	Upper Pierre Aquifer	1385	1385	2325	2325	501-1000	Other	COGCC Report, Paper 2141
Confining Layer	Pierre	2325	2325	4522	4518			
Hydrocarbon	Parkman	4522	4518	4613	4607			
Confining Layer	Pierre	4613	4607	4946	4918			
Hydrocarbon	Sussex	4946	4918	5142	5091			
Confining Layer	Pierre	5142	5091	5578	5468			
Hydrocarbon	Shannon	5578	5468	5704	5577			
Confining Layer	Pierre	5704	5577	7790	7379			
Confining Layer	Sharon Springs	7790	7379	7948	7493			The TVD of the deepest hydrocarbon zone is the bottom of the well and not the bottom of the formation. The formation is not planned to be exited.
Hydrocarbon	Niobrara	7948	7493	21167	7665			

**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:

[Empty comment box]

**Best Management Practices**

**No BMP/COA Type**

**Description**

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Operator Comments:

This sundry is being submitted to change the surface hole location, total depth, and casing/cementing plan. Updated well location plat, deviated drilling plan, and directional data template 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: Linsey Jones

Title: Regulatory Analyst Email: Ljones@gwp.com Date: 7/16/2021

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

COGCC Approved: Jacobson, Eric Date: 9/9/2021

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

**COA Type**

**Description**

	This Sundry Notice Form 4 authorizes changes in the drilling/casing/cementing program as shown on the Drilling Permit Form 2 and must be visibly posted with the permit during drilling.
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1 COA

**General Comments**

User Group	Comment	Comment Date
Permit	•Permitting review complete and task passed.	09/08/2021

Total: 1 comment(s)

**Attachment List**

Att Doc Num	Name
402749443	SUNDRY NOTICE APPROVED-LOC-SFTY-STBK-DRLG-CSG
402750018	WELL LOCATION PLAT
402750025	DEVIATED DRILLING PLAN
402750075	DIRECTIONAL DATA
402806088	FORM 4 SUBMITTED

Total Attach: 5 Files