

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



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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: 96155 Contact Name Bryce Maifeld
 Name of Operator: WHITING OIL & GAS CORPORATION Phone: (970) 286-1595
 Address: 1700 LINCOLN STREET SUITE 4700 Fax: ()
 City: DENVER State: CO Zip: 80290 Email: bryce.maifeld@whiting.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 00 OGCC Facility ID Number: 444251
 Well/Facility Name: REDTAIL GAS PLANT Well/Facility Number:
 Location QtrQtr: SENE Section: 21 Township: 10N Range: 58W Meridian: 6
 County: WELD Field Name: TERRACE
 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 GPS Instrument Operator's Name

LOCATION CHANGE (all measurements in Feet)

Well will be: (Vertical, Directional, Horizontal)

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

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

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

<u></u>	<u></u>	<u></u>	<u></u>
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Current **Surface** Location **From** QtrQtr Sec

Twp Range Meridian

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

Twp Range Meridian

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

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

<u></u>	<u></u>	<u></u>	<u></u>
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Current **Top of Productive Zone** Location **From** Sec

Twp Range

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

Twp Range

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

<u></u>	<u></u>	<u></u>	<u></u>
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

<u></u>	<u></u>	<u></u>	<u></u>
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Current **Bottomhole** Location Sec Twp

Range ** 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

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 REDTAIL GAS PLANT Number 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 10/27/2020

☐ REPORT OF WORK DONE Date Work Completed _____

- | | | |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input checked="" type="checkbox"/> Request to Vent or Flare | <input type="checkbox"/> E&P Waste Management 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"/> Other _____ | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

Whiting Oil & Gas (Whiting) is requesting to flare gas from 10/27/20-10/31/20 due to the Redtail Gas Plant being out-of-service during a scheduled utility outage. This outage is beyond Whiting's control and required by the utility company to repair damage sustained to their system during high winds. The Redtail Gas Plant, thirty-eight (38) production facilities, and three hundred and four (304) wells will be impacted by this utility outage (Please see attachment).

The total volume of gas flared during this outage is estimated to be approximately 77,333 MCF which is a 22.2% reduction from the 99,452 MCF total estimated volume of gas produced for this time period during normal operations that would otherwise be flared with no reduction measures. See the attachment for the estimated gas volume per facility and well.

Reducing impacts caused during this utility outage is a priority for Whiting. Whiting has explored many options to reduce waste and minimize emissions and will reduce the total volume of gas flared field-wide by an estimated 22.2% during this outage. This reduction will be accomplished in three primary ways. First, gas from Whiting's gathering system will be transferred to an adjacent gathering system. The piping and meters needed to tie into the adjacent system are being set up and will be available for use before the outage begins. It is estimated the adjacent system can accept approximately 3 MMCFD from the Whiting system. Second, wells will be cycled to reduce production by an estimated 1,624 MCF. Third, twenty (20) wells will be shut-in during this time which will reduce the volume of gas flared by approximately 8,495 MCF. In addition to the immediate reductions of gas flared during this outage, this downtime will also be utilized to perform maintenance and repairs to the gas plant and other areas in the field which should minimize downtime and flaring caused by upset conditions in the future.

Choking back production and cycling wells have been evaluated but calculations show it is not feasible for most sites. Whiting utilizes electrical connections on many facilities, including all the large central production facilities. Utilizing electricity decreases impacts (emission, ozone, and gas waste) during normal operations but the utility outage is going to affect many production facilities in addition to the gas plant. The added expense required to continue producing the electrified facilities impacted by the utility outage makes it economically infeasible to reduce production any further than what has been discussed above. We can reduce the volume of gas flared during this outage by approximately 22.2%; any further reduction will result in completely shutting in Whiting's Redtail assets.

Gas flared during this outage will be done responsibly and safely. Whiting's gas capture rate for this field is approximately 99% and gas will be flared utilizing combustion equipment that has a designed destruction efficiency of 98%. The volume of gas flared will remain within the CDPHE permitted emissions limit for each facility. The Weld County Office of Emergency Management has been contacted to proactively address emergency response concerns prior to flaring due to the magnitude of this outage and open flares being used.

All wells will be shut-in starting November 1, 2020, if the utility outage lasts longer than expected.

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

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Operator Comments:

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

Signed: _____ Print Name: Bryce Maifeld

Title: Regulatory Specialist Email: bryce.maifeld@whiting.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>
402514407	OTHER
402517110	GAS ANALYSIS REPORT

Total Attach: 2 Files