

Deborah Bachelder

From: Farrell Buller
Sent: Friday, July 17, 2020 12:00 PM
To: Deborah Bachelder
Cc: Fred Starr
Subject: FW: Williams Peltier 1A-20H Battery
Attachments: 123-33301_production.xlsx; 402303018.pdf; 402303018_approved.pdf; BELOW THRESHOLD (1).PDF; BELOW THRESHOLD.PDF; APEN RL.PDF

Hi – Here are all the details regarding the battery on the SW corner of Erie Parkway and CR 5.
(Specific to the Westerly question.)
Thanks-

Farrell Buller

Deputy Town Administrator
Phone: 303-926-2792 | Fax: 303-926-2705
www.erieco.gov/parksandrec | [Facebook](#) | [Twitter](#) | [LinkedIn](#)

From: Drezden Kinnaird <DKinnaird@cgrs.com>
Sent: Friday, July 17, 2020 6:50 AM
To: Farrell Buller <fbuller@erieco.gov>
Subject: Williams Peltier 1A-20H Battery

API	Facility Name	Location	Field Name	Field Number	Operator Name	Operator Number
123-33301	WILLIAM PELTIER 1A-20H	NENE 20-1N-68W 6	WATTENBERG	90750	CRESTONE PEAK RESOURCES OPERATING LLC	10633

The well was SI as of 4/1/2020

Williams Peltier 1A-20H Battery
AIRS ID 123- 9637

Produced water and loadout air permitting was cancelled in Dec 2019 due to estimated uncontrolled actual emissions below reporting thresholds.

Oil storage tank VOC emissions for the last 12 months is estimated <1.0 tons (with control efficiency of 94% as reported on the APEN)

A notice of intent was submitted to COGCC on 2/7/200 for bradenhead mitigation as described below:

As a result of the Form 17 bradenhead test (Document ID: 402269723), Crestone Peak has added this well to our bradenhead blowdown schedule. The well will be blown down weekly to 0 psi through either our portable combustor trailer or blowdown trailer, then shut in. During the blow down and build up cycles, the pressure and rate will be recorded in such a way as to characterize the well performance for comparison over time. Commencing with the submission of this sundry, Crestone will perform up to six months of blow down and build up cycles. At the conclusion of the six months, Crestone will conduct a new bradenhead test and submit a Form 17 within ten days of the test. Crestone will submit a Form 4 Sundry that summarizes current well condition within 60 days of the bradenhead test.

The Form was approved on 7/7/2020 with the following conditions of approval listed:

1. Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well operations do not constitute a nuisance or hazard to public welfare.
2. Prior to starting bradenhead mitigation, if a sample has not been collected within the last twelve months collect bradenhead and production gas samples for laboratory analysis. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. Copies of all final laboratory analytical results shall be provided to the COGCC within three months of collecting the samples.
3. Operator shall implement measures to get an initial estimate of the gas flow rate and/or volume from the bradenhead. During the shut-in period record pressure data to adequately characterize the build-up. This mitigation plan may be used for six consecutive months from the planned start date reported on the Form 4. (08/10/2020)
4. At the conclusion of the six months, conduct a new bradenhead test and submit the Form 17 within ten days of the test and submit a Form 4 Sundry that summarizes current well condition. The sundry should include details of the future plans and the flow rate information and pressure data.

Please let me know if there is any additional information we can provide.

Thank you!

Drezden Kinnaird

Project Manager
Environmental Scientist

800.288.2657 | mobile 970.201.6357



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: 402303018			
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: 10633 Contact Name Lindsey Organ
Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC Phone: (303) 7743958
Address: 1801 CALIFORNIA STREET #2500 Fax: ()
City: DENVER State: CO Zip: 80202 Email: lindsey.organ@crestonepr.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 33301 00 OGCC Facility ID Number: 422535
Well/Facility Name: WILLIAM PELTIER Well/Facility Number: 1A-20H
Location QtrQtr: NENE Section: 20 Township: 1N Range: 68W Meridian: 6
County: WELD 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 _____ PDOP Reading _____ Date of Measurement _____
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:

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

Current **Surface** Location **From** QtrQtr NENE Sec 20

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 20

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 20 Twp 1N

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	
857	FNL	471	FEL
Twp <u>1N</u>	Range <u>68W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
511	FNL	640	FEL
Twp <u>1N</u>	Range <u>68W</u>		
Twp _____	Range _____		
1338	FNL	572	FWL

**

**

** 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 WILLIAM PELTIER Number 1A-20H 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 02/10/2020

☐ 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 checked="" 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:

As a result of the Form 17 bradenhead test (Document ID: 402269723), Crestone Peak has added this well to our bradenhead blowdown schedule. The well will be blown down weekly to 0 psi through either our portable combustor trailer or blowdown trailer, then shut in. During the blow down and build up cycles, the pressure and rate will be recorded in such a way as to characterize the well performance for comparison over time. Commencing with the submission of this sundry, Crestone will perform up to six months of blow down and build up cycles. At the conclusion of the six months, Crestone will conduct a new bradenhead test and submit a Form 17 within ten days of the test. Crestone will submit a Form 4 Sundry that summarizes current well condition within 60 days of the bradenhead test.

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

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>

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: Lindsey Organ
Title: Regulatory Coordinator Email: lindsey.organ@crestonepr.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>

Total Attach: 0 Files

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: 402303018			
Date Received: 02/07/2020			

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: 10633 Contact Name Lindsey Organ
Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC Phone: (303) 7743958
Address: 1801 CALIFORNIA STREET #2500 Fax: ()
City: DENVER State: CO Zip: 80202 Email: lindsey.organ@crestonepr.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 33301 00 OGCC Facility ID Number: 422535
Well/Facility Name: WILLIAM PELTIER Well/Facility Number: 1A-20H
Location QtrQtr: NENE Section: 20 Township: 1N Range: 68W Meridian: 6
County: WELD 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: PDOP 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>857</u>	<u>FNL</u>	<u>471</u>	<u>FEL</u>

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

Current **Surface** Location **From** QtrQtr NENE Sec 20
New **Surface** Location **To** QtrQtr Sec

Twp 1N Range 68W Meridian 6
Twp Range Meridian

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

<u>511</u>	<u>FNL</u>	<u>640</u>	<u>FEL</u>

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

Current **Top of Productive Zone** Location **From** Sec 20
New **Top of Productive Zone** Location **To** Sec

Twp 1N Range 68W
Twp Range

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

<u>1338</u>	<u>FNL</u>	<u>572</u>	<u>FWL</u>

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

Current **Bottomhole** Location Sec 20 Twp 1N
New **Bottomhole** Location Sec Twp

Range 68W ** attach deviated drilling plan
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 _____

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 WILLIAM PELTIER Number 1A-20H 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.

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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 02/10/2020

☐ 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 checked="" type="checkbox"/> Other <u>Bradenhead Mitigation</u> | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

As a result of the Form 17 bradenhead test (Document ID: 402269723), Crestone Peak has added this well to our bradenhead blowdown schedule. The well will be blown down weekly to 0 psi through either our portable combustor trailer or blowdown trailer, then shut in. During the blow down and build up cycles, the pressure and rate will be recorded in such a way as to characterize the well performance for comparison over time. Commencing with the submission of this sundry, Crestone will perform up to six months of blow down and build up cycles. At the conclusion of the six months, Crestone will conduct a new bradenhead test and submit a Form 17 within ten days of the test. Crestone will submit a Form 4 Sundry that summarizes current well condition within 60 days of the bradenhead test.

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

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>

Signed: _____ Print Name: Lindsey Organ

Title: Regulatory Coordinator Email: lindsey.organ@crestonepr.com Date: 2/7/2020

COGCC Approved: Jacobson, Eric Date: 7/7/2020

<u>COA Type</u>	<u>Description</u>
	<p>1.Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well operations do not constitute a nuisance or hazard to public welfare.</p> <p>2. Prior to starting bradenhead mitigation, if a sample has not been collected within the last twelve months collect bradenhead and production gas samples for laboratory analysis. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. Copies of all final laboratory analytical results shall be provided to the COGCC within three months of collecting the samples.</p> <p>3. Operator shall implement measures to get an initial estimate of the gas flow rate and/or volume from the bradenhead. During the shut-in period record pressure data to adequately characterize the build-up. This mitigation plan may be used for six consecutive months from the planned start date reported on the Form 4. (08/10/2020)</p> <p>4. At the conclusion of the six months, conduct a new bradenhead test and submit the Form 17 within ten days of the test and submit a Form 4 Sundry that summarizes current well condition. The sundry should include details of the future plans and the flow rate information and pressure data.</p>

User Group	Comment	Comment Date
Engineer	Bradenhead test date 12/12/2019 had 327 psig and blew down to 0 psig during the test.	07/07/2020
Total: 1 comment(s)		

<u>Att Doc Num</u>	<u>Name</u>
402303018	SUNDRY NOTICE APPROVED-OTHER
402438436	FORM 4 SUBMITTED

Total Attach: 2 Files



December 19, 2019

Colorado Department of Public Health and Environment
Air Pollution Control Division
4300 Cherry Creek Drive South
Denver, CO 80246
ATTN: Doug Ryder

SUBJECT: Crestone Peak Resources Operating, LLC
APEN Cancellation Form

Mr. Ryder:

Crestone Peak Resources Operating, LLC (Crestone) is submitting the attached APEN cancellation notice.

Should there be any questions, I can be contacted directly by phone at (303) 774-3923, or by e-mail at sabrina.pryor@crestonepr.com.

Sincerely,

Sabrina M. Pryor
Air Quality Engineer





Emissions Permit/APEN Cancellation Request – Form APCD-107

Air Pollution Control Division
Stationary Sources Program



All sections of this Emissions Permit/APEN Cancellation Request must be completed for any request to cancel an Emissions Permit or APEN and submitted to the Colorado Department of Public Health and Environment's Air Pollution Control Division (APCD). A cancellation request with missing information may be determined incomplete and may be returned or result in a longer cancellation processing time.

Section 1 - Administrative Information

Please note, specific facility information needed for this section can be found on your facility's emissions permit on the bottom left corner of each page, in the facility's emissions permit equipment description(s), or on your most recent Annual Emission Fee Invoice.

AIRS ID(s): 123-9637-003 Permit Number(s): GP07
Equipment Description: Truck condensate loadout
Owner or Operator of Permit: Crestone Peak Resources Operating, LLC
Facility or Equipment Address: Williams Peltier 1A-20H
NENE Section 20, T1N, R68W
Permit Contact: Sabrina Pryor
Mailing Address: 10188 East I25 Frontage Road
Firestone, CO 80504
Phone Number: (303) 774-3923 Email Address: sabrina.pryor@crestonepr.com
Date Facility or Equipment Ceased or Went Below Reporting Thresholds: 11 / 01 / 2019

Section 2 - Reason for Emissions Permit/APEN Cancellation

- ☐ The facility or equipment addressed by the permit or APEN no longer exists.
- ☐ The facility or equipment has been sold to another party and I do not wish to transfer the permit.
- ☒ The facility or equipment has dropped below reporting thresholds.
- ☐¹ The permit was previously required *solely* because the emissions unit was subject to NSPS or MACT/NESHAP requirements that were adopted into Colorado Regulations (see PS Memo 14-01 for more info). This cancellation request is for (check appropriate box):
- ☐ Permit Only (The unit is still active. The permit will be cancelled, but the APEN will remain active because emissions are above APEN-reporting thresholds. The emissions unit is now subject to one of the general exemption letters found on the following page of the APCD website: <https://www.colorado.gov/pacific/cdphe/air-permitting-cancellation-exempt-sources>)
- ☐ Permit & APEN (Both the permit and the APEN will be cancelled. The unit is still active, but emissions are below APEN-reporting thresholds.)

¹ Please review the information on the following page of the APCD website before selecting this option:

<https://www.colorado.gov/pacific/cdphe/air-permitting-cancellation-exempt-sources>

Section 3 - Owner or Operator Certification

I have reviewed this cancellation request in its entirety and I hereby certify that all information contained herein is true, accurate, and complete.

Sabrina M Pryor 12/19/2019
Signature of Legally Authorized Person (not a vendor or consultant) Date
Sabrina M. Pryor Air Quality Engineer
Name (please print) Title

Send completed form to:

CDPHE - Air Pollution Control Division
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

Telephone: (303) 692-3150

For more information or assistance call:

Small Business Assistance Program
(303) 692-3175 or (303) 692-3148

Or visit the APCD website at:

<https://www.colorado.gov/pacific/cdphe/apcd>



Hydrocarbon Liquid Loading APEN – Form APCD-208 Air Pollutant Emission Notice (APEN) and Application for Construction Permit

All sections of this APEN and application must be completed for both new and existing facilities, including APEN updates. An application with missing information may be determined incomplete and may be returned or result in longer application processing times. *You may be charged an additional APEN fee if the APEN is filled out incorrectly or is missing information and requires re-submittal.*

This APEN is to be used for Hydrocarbon Liquid Loading only. If your emission unit does not fall into this category, there may be a more specific APEN for your source. In addition, the General APEN (Form APCD-200) is available if the specialty APEN options will not satisfy your reporting needs. A list of all available APEN forms can be found on the Air Pollution Control Division (APCD) website at: www.colorado.gov/cdphe/apcd.

This emission notice is valid for five (5) years. Submission of a revised APEN is required 30 days prior to expiration of the five-year term, or when a reportable change is made (significant emissions increase, increase production, new equipment, change in fuel type, etc). See Regulation No. 3, Part A, II.C. for revised APEN requirements.

Permit Number:

G407

AIRS ID Number:

123 / 9637 / 003

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Company equipment Identification:

Condensate Loadout

[Provide Facility Equipment ID to identify how this equipment is referenced within your organization]

Section 1 - Administrative Information

Company Name¹: Crestone Peak Resources Operating, LLC

Site Name: Williams Peltier 1A-20H Battery

Site Location: NENE Section 20, T1N, R68W

Site Location
County: Weld

NAICS or SIC Code: 1311

Mailing Address:
(Include Zip Code) 10188 East I-25 Frontage Road

Firestone, CO 80504

Permit Contact: Taryn Weiner

Phone Number: 303-774-3908

E-Mail Address²: taryn.weiner@crestonepr.com

¹ Use the full, legal company name registered with the Colorado Secretary of State. This is the company name that will appear on all documents issued by the APCD. Any changes will require additional paperwork.

² Permits, exemption letters, and any processing invoices will be issued by APCD via e-mail to the address provided.

378498

Permit Number: _____

AIRS ID Number: 123 /9637 /

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 2- Requested Action

ku will be per attached email

☒ **NEW permit OR newly-reported emission source**

☐ Request coverage under construction permit

☒ Request coverage under General Permit GP07

If General Permit coverage is requested, the General Permit registration fee of \$250 must be submitted along with the APEN Filing fee.

- OR -

☐ **MODIFICATION to existing permit** (check each box below that applies)

☐ Change fuel or equipment

☐ Change company name

☐ Change permit limit

☐ Transfer of ownership³

☐ Other (describe below)

- OR -

☐ **APEN submittal for update only (Blank APENs will not be accepted)**

- ADDITIONAL PERMIT ACTIONS -

☐ **Limit Hazardous Air Pollutants (HAPs) with a federally-enforceable limit on Potential To Emit (PTE)**

Additional Info & Notes: _____

³ For transfer of ownership, a completed Transfer of Ownership Certification Form (Form APCD-104) must be submitted.

Section 3 - General Information

General description of equipment and purpose:

Condensate loadout from tanks to trucks

For existing sources, operation began on:

/ / 2011

For new or reconstructed sources, the projected start-up date is:

/ /

Will this equipment be operated in any NAAQS nonattainment area?

☒ Yes ☐ No

Is this equipment located at a stationary source that is considered a Major Source of (HAP) emissions?

☐ Yes ☒ No

Does this source load gasoline into transport vehicles?

☐ Yes ☒ No

Is this source located at an oil and gas exploration and production site?

☒ Yes ☐ No

If yes:

Does this source load less than 10,000 gallons of crude oil per day on an annual average?

☒ Yes ☐ No

Does this source splash fill less than 6750 BBL of condensate per year?

☒ Yes ☐ No

Does this source submerge fill less than 16308 BBL of condensate per year?

☒ Yes ☐ No

Permit Number: _____ AIRS ID Number: 123 / 9637 /
 [Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 4 - Process Equipment Information

Product Loaded: ☒ Condensate ☐ Crude Oil ☐ Other: _____

If this APEN is being filed for vapors displaced from cargo carrier, complete the following:

Requested Volume Loaded ⁴ :	10,500	Bbl/yr	Actual Volume Loaded:		Bbl/yr
--	---------------	--------	-----------------------	--	--------

⁴ Requested values will become permit limitations. Requested limit(s) should consider future process growth

This product is loaded from tanks at this facility into: tank trucks
 (eg, "rail tank cars" or "tank trucks") _____

If site specific emission factor is used to calculate emissions, complete the following:					
Saturation Factor:			Average temperature of bulk liquid loading:		°F
True Vapor Pressure		Psia @ 60 °F	Molecular weight of displaced vapors		Lb/lb-mol

If this APEN is being filed for vapors displaced from pressurized loading lines, complete the following:

Requested Volume Loaded ⁵ :		Bbl/yr	Actual Volume Loaded:		Bbl/yr
--	--	--------	-----------------------	--	--------

⁴ Requested values will become permit limitations. Requested limit(s) should consider future process growth

Product Density:		Lb/ft ³
Load Line Volume:		ft ³ /truckload
Vapor Recovery Line Volume		ft ³ /truckload

Permit Number: _____

AIRS ID Number: 123/9637/

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 5 - Geographical Information

Geographical Coordinates (Latitude/Longitude or UTM)
40.04153 / -105.01991

Operator Stack ID No.	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)
LO				

Indicate the direction of the stack outlet: (check one)

☐ Upward☐ Downward☐ Upward with obstructing raincap☐ Horizontal☐ Other (describe): _____

Indicate the stack opening and size: (check one)

☐ Circular

Interior stack diameter (inches): _____

☐ Other (describe): _____**Section 6 - Control Device Information**

<input type="checkbox"/>	Loading occurs using a vapor balance system:	Requested Control Efficiency	%
--------------------------	--	------------------------------	---

<input type="checkbox"/>	Combustion Device:	Pollutants Controlled:	_____
		Rating:	_____ MMBtu/hr
		Type:	_____ Make/Model: _____
		Requested Control Efficiency:	_____ %
		Manufacturer Guaranteed Control Efficiency	_____ %
		Minimum Temperature:	_____ Waste Gas Heat Content _____ Btu/scf
		Constant Pilot Light:	<input type="checkbox"/> Yes <input type="checkbox"/> No Pilot burner Rating _____ MMBtu/hr

<input type="checkbox"/>	Other:	Pollutants Controlled:	_____
		Description:	_____
		Control Efficiency Requested	_____ %

Permit Number: _____

AIRS ID Number: 123/9637 / _____

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 7 - Criteria Pollutant Emissions Information

Attach all emission calculations and emission factor documentation to this APEN form.

Is any emission control equipment or practice used to reduce emissions? ☐ Yes ☒ No

If yes, describe the control equipment AND state the overall control efficiency (% reduction):

Pollutant	Control Equipment Description	Overall Requested Control Efficiency (% reduction in emissions)
PM		
SO _x		
NO _x		
CO		
VOC		
HAPs		
Other:		

<input checked="" type="checkbox"/> Using State Emission Factors (Required for GP07)	VOC	Benzene	n-Hexane
<input checked="" type="checkbox"/> Condensate	0.236 Lbs/BBL	0.00041 Lbs/BBL	0.0036 Lbs/BBL
<input type="checkbox"/> Crude	0.104 Lbs/BBL	0.00018 Lbs/BBL	0.0016 Lbs/BBL

From what year is the following reported *actual annual emissions* data? _____

Use the following table to report the criteria pollutant emissions from source:

(Use the data reported in Sections 4 and 6 to calculate these emissions.)

Pollutant	Uncontrolled Emission Factor	Emission Factor Units	Emission Factor Source (AP-42, Mfg. etc)	Actual Annual Emissions		Requested Annual Permit Emission Limit(s) ⁵	
				Uncontrolled (Tons/year)	Controlled ⁵ (Tons/year)	Uncontrolled (Tons/year)	Controlled (Tons/year)
PM							
SO _x							
NO _x							
VOC	0.236	lb/bbl	APCD			1.24	1.24
CO							
Benzene							
Toluene							
Ethylbenzene							
Xylenes							
n-Hexane							
2,2,4-Trimethylpentane							
Other:							

⁴ Requested values will become permit limitations. Requested limit(s) should consider future process growth.⁵ Annual emission fees will be based on actual controlled emissions reported. If source has not yet started operating, leave blank.

Permit Number: _____

AIRS ID Number: 123/9637 /

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 8 - Applicant Certification

I hereby certify that all information contained herein and information submitted with this application is complete, true and correct. If this is a registration for coverage under General Permit GP07, I further certify that this source is and will be operated in full compliance with each condition of the applicable General Permit.

Taryn Weiner
Signature of Legally Authorized Person (not a vendor or consultant)

4/29/18
Date

Taryn Weiner

Air Quality Engineer

Name (print)

Title

Check the appropriate box to request a copy of the:

- ☐ Draft permit prior to issuance
☐ Draft permit prior to public notice

(Checking any of these boxes may result in an increased fee and/or processing time)

This emission notice is valid for five (5) years. Submission of a revised APEN is required 30 days prior to expiration of the five-year term, or when a reportable change is made (significant emissions increase, increase production, new equipment, change in fuel type, etc). See Regulation No. 3, Part A, II.C. for revised APEN requirements.

Send this form along with \$152.90 and the General Permit registration fee of \$250 as applicable to:
Colorado Department of Public Health and Environment
Air Pollution Control Division
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

Make check payable to:
Colorado Department of Public Health and Environment

Telephone: (303) 692-3150

For more information or assistance call:

Small Business Assistance Program
(303) 692-3175 or (303) 692-3148

Or visit the APCD website at:

<https://www.colorado.gov/cdphe/apcd>





STATE OF
COLORADO

Underriner - CDPHE, Katherine <katherine.underriner@state.co.us>

Condensate Loadout APENS

5 messages

Underriner - CDPHE, Katherine <katherine.underriner@state.co.us>

Wed, May 9, 2018 at 1:27 PM

To: Taryn Weiner <TARYN.WEINER@crestonepr.com>

Good afternoon Taryn,

The division recently received an application to update 80 condensate storage tanks via our spreadsheet reporting method, as well as, updating some condensate loadout and produced water points.

While reviewing the application I came across some missing information critical for processing these APENS.

1. The cover letter states there are 14 hydrocarbon liquid loading APEN updates but there were only 13 APENS included in the application. The AIRS IDs I have APENS for are listed below. Please review and let me know if there is an APEN missing. If there is an APEN that should have been included in this submittal and was not, you can email me the missing APEN.

123-1426-002
123-5170-003
123-9A1A-003
123-9B2A-003
123-9B5B-003
123-9B7E-001
123-9BB3-008
123-9BB4-005
123-9BFC-005
123-9C37-003
123-9C4A-002
123-9C71-003
123-9C8C-002

2. There were two APENS for new condensate loadout points at 123-3792 and 123-9637. The APENS did not state whether you were requesting CP coverage or GP07 coverage. Please let me know which type of permit you are requesting for each point.

3. The two new condensate loadout points need complete applications to accompany them. This includes the Oil & Gas checklist (linked below) and all applicable forms that accompany the checklist. Please email me these forms for each emission point.

<https://environmentalrecords.colorado.gov/HPRMWebDrawer/RecordView/1123472>

If you have any questions please feel free to contact me.

Thank you,

--

Katherine Underriner
Application Completeness Technician
Stationary Sources Program



COLORADO
Air Pollution Control Division
Department of Public Health & Environment

P 303.692.6381 | F 303.782.0278
4300 Cherry Creek Drive South, Denver, CO 80246-1530

katherine.underriner@state.co.us | www.colorado.gov/cdphe/apcd

Are you curious about ground-level ozone in Colorado? Visit our ozone webpage to learn more.

As of January 1, 2014, the Colorado Air Pollution Control Division no longer accepts blank or incomplete APENs. Additional fees may apply if an APEN is submitted without the necessary information. An application with missing information may result in longer processing times. Please note that all APEN submissions should be completed using forms currently supplied by the Division (See Reg. 3, Part A, Section II.A). Current APEN forms can be found at: <https://www.colorado.gov/cdphe/APENforms>

Underriner - CDPHE, Katherine <katherine.underriner@state.co.us>
To: Taryn Weiner <TARYN.WEINER@crestonepr.com>

Mon, Jun 4, 2018 at 7:55 AM

Taryn,

I sent the previous email on 05/09/2018.

If you do not respond to this email by 06/11/2018 I will be rejecting the application received on 02/15/2018.

Please let me know if you have any questions.

Thank you,

[Quoted text hidden]

Taryn Weiner <taryn.weiner@crestonepr.com>
To: "Underriner - CDPHE, Katherine" <katherine.underriner@state.co.us>

Mon, Jun 4, 2018 at 8:21 AM

Sorry I will get on these right away!

Thanks

Get Outlook for iOS

From: Underriner - CDPHE, Katherine <katherine.underriner@state.co.us>
Sent: Monday, June 4, 2018 7:55:35 AM
To: Taryn Weiner
Subject: [EXT]Re: Condensate Loadout APENS

[Quoted text hidden]

Taryn Weiner <taryn.weiner@crestonepr.com>
To: "Underriner - CDPHE, Katherine" <katherine.underriner@state.co.us>

Thu, Jun 7, 2018 at 12:07 PM

Hello!

I apologize for my delay in responding.

1. I've attached the missing APEN submittal for the update (2018_State1HZ_TLO_123-9C34-003)
2. GP07
3. I've attached the required Form 102 and the emission calculations for the GP07s for the two locations.

Please let me know if you have any questions.

Taryn Weiner

Air Quality Engineer

Crestone Peak Resources

10188 East I-25 Frontage Road, Firestone, CO 80504

T: 303-774-3908

C: 720-360-9226

E: taryn.weiner@crestonepr.com

Please note Crestone Peak Resources is closed the 1st and 3rd Friday of each month.

From: Underriner - CDPHE, Katherine <katherine.underriner@state.co.us>**Sent:** Wednesday, May 09, 2018 1:28 PM**To:** Taryn Weiner <taryn.weiner@CRESTONEPR.COM>**Subject:** [EXT]Condensate Loadout APENS

[Quoted text hidden]

Thank you,

--

[Quoted text hidden]




P 303.692.6381 | F 303.782.0278

4300 Cherry Creek Drive South, Denver, CO 80246-1530


katherine.underriner@state.co.us | www.colorado.gov/cdphe/apcd**Are you curious about ground-level ozone in Colorado? Visit our ozone webpage to learn more.**

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3 attachments

 **2018_State 1HZ_TLO_123-9C34-003.pdf**
191K

 **lone 10 GP07 files.pdf**
75K

 **WM Peltier 1A-20H GP07 Files.pdf**
75K

Underriner - CDPHE, Katherine <katherine.underriner@state.co.us>
To: Taryn Weiner <taryn.weiner@crestonepr.com>

Thu, Jun 7, 2018 at 4:10 PM

Hi Taryn,

Thank you for getting me the requested information. I will have this application logged in early next week. I will let you know if I come across any other questions.

Thanks!

[Quoted text hidden]

[Quoted text hidden]



COLORADO
Air Pollution Control Division
Department of Public Health & Environment

P 303.692.6381 | F 303.782.0278
4300 Cherry Creek Drive South, Denver, CO 80246-1530
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FirstOfMonth	DaysProduced	WellStatus	APIcounty	APIsequence	APIsidetrack
4/1/2020		0 SI	123	33301	00
3/1/2020		31 PR	123	33301	00
2/1/2020		29 PR	123	33301	00
1/1/2020		31 PR	123	33301	00
12/1/2019		31 PR	123	33301	00
11/1/2019		30 PR	123	33301	00
10/1/2019		31 PR	123	33301	00
9/1/2019		30 PR	123	33301	00
8/1/2019		31 PR	123	33301	00
7/1/2019		31 PR	123	33301	00
6/1/2019		30 PR	123	33301	00
5/1/2019		31 PR	123	33301	00
4/1/2019		30 PR	123	33301	00
3/1/2019		31 PR	123	33301	00
2/1/2019		28 PR	123	33301	00
1/1/2019		31 PR	123	33301	00
12/1/2018		31 PR	123	33301	00
11/1/2018		27 PR	123	33301	00
10/1/2018		25 PR	123	33301	00
9/1/2018		30 PR	123	33301	00
8/1/2018		31 PR	123	33301	00
7/1/2018		30 PR	123	33301	00
6/1/2018		30 PR	123	33301	00
5/1/2018		31 PR	123	33301	00
4/1/2018		30 PR	123	33301	00
3/1/2018		31 PR	123	33301	00
2/1/2018		28 PR	123	33301	00
1/1/2018		31 PR	123	33301	00
12/1/2017		31 PR	123	33301	00
11/1/2017		18 PR	123	33301	00
10/1/2017		0 SI	123	33301	00
9/1/2017		8 PR	123	33301	00
8/1/2017		31 PR	123	33301	00
7/1/2017		31 PR	123	33301	00
6/1/2017		30 PR	123	33301	00
5/1/2017		31 PR	123	33301	00
4/1/2017		29 PR	123	33301	00
3/1/2017		31 PR	123	33301	00
2/1/2017		28 PR	123	33301	00
1/1/2017		31 PR	123	33301	00
12/1/2016		31 PR	123	33301	00
11/1/2016		30 PR	123	33301	00
10/1/2016		31 PR	123	33301	00
9/1/2016		30 PR	123	33301	00
8/1/2016		31 PR	123	33301	00
7/1/2016		31 PR	123	33301	00
6/1/2016		30 PR	123	33301	00

5/1/2016	31 PR	123	33301	00
4/1/2016	30 PR	123	33301	00
3/1/2016	31 PR	123	33301	00
2/1/2016	29 PR	123	33301	00
1/1/2016	31 PR	123	33301	00
12/1/2015	31 PR	123	33301	00
11/1/2015	30 PR	123	33301	00
10/1/2015	31 PR	123	33301	00
9/1/2015	30 PR	123	33301	00
8/1/2015	31 PR	123	33301	00
7/1/2015	31 PR	123	33301	00
6/1/2015	30 PR	123	33301	00
5/1/2015	31 PR	123	33301	00
4/1/2015	30 PR	123	33301	00
3/1/2015	31 PR	123	33301	00
2/1/2015	28 PR	123	33301	00
1/1/2015	31 PR	123	33301	00
12/1/2014	31 PR	123	33301	00
11/1/2014	30 PR	123	33301	00
10/1/2014	31 PR	123	33301	00
9/1/2014	30 PR	123	33301	00
8/1/2014	31 PR	123	33301	00
7/1/2014	28 PR	123	33301	00
6/1/2014	30 PR	123	33301	00
5/1/2014	31 PR	123	33301	00
4/1/2014	30 PR	123	33301	00
3/1/2014	4 PR	123	33301	00
2/1/2014	SI	123	33301	00
1/1/2014	SI	123	33301	00
12/1/2013	31 PR	123	33301	00
11/1/2013	1 PR	123	33301	00
10/1/2013	31 PR	123	33301	00
9/1/2013	30 PR	123	33301	00
8/1/2013	31 PR	123	33301	00
7/1/2013	31 PR	123	33301	00
6/1/2013	30 PR	123	33301	00
5/1/2013	31 PR	123	33301	00
4/1/2013	30 PR	123	33301	00
3/1/2013	31 PR	123	33301	00
2/1/2013	28 PR	123	33301	00
1/1/2013	30 PR	123	33301	00
12/1/2012	31 PR	123	33301	00
11/1/2012	30 PR	123	33301	00
10/1/2012	31 PR	123	33301	00
9/1/2012	30 PR	123	33301	00
8/1/2012	31 PR	123	33301	00
7/1/2012	31 PR	123	33301	00
6/1/2012	30 PR	123	33301	00

5/1/2012	31 PR	123	33301	00
4/1/2012	30 PR	123	33301	00
3/1/2012	31 PR	123	33301	00
2/1/2012	29 PR	123	33301	00
1/1/2012	31 PR	123	33301	00
12/1/2011	31 PR	123	33301	00
11/1/2011	30 PR	123	33301	00
10/1/2011	26 PR	123	33301	00
9/1/2011	DG	123	33301	00
8/1/2011	DG	123	33301	00

Formation	BOMinventory	OilProduced	OilSold	OilAdjustment
NIOBRARA	229			
NIOBRARA	184	233	188	
NIOBRARA	132	229	177	
NIOBRARA	225	248	341	
NIOBRARA	155	256	186	
NIOBRARA	223	266	334	
NIOBRARA	236	289	302	
NIOBRARA	134	281	179	
NIOBRARA	196	291	353	
NIOBRARA	213	331	348	
NIOBRARA	354	405	546	
NIOBRARA	377	346	369	
NIOBRARA	305	267	195	
NIOBRARA	218	284	197	
NIOBRARA	338	262	382	
NIOBRARA	431	320	393	-20
NIOBRARA	436	603	354	-254
NIOBRARA	260	351	175	
NIOBRARA	453	401	594	
NIOBRARA	373	477	397	
NIOBRARA	448	476	551	
NIOBRARA	487	520	559	
NIOBRARA	183	817	513	
NIOBRARA	183	942	942	
NIOBRARA	186	1148	1151	
NIOBRARA	241	1323	1378	
NIOBRARA	338	1642	1739	
NIOBRARA	192	2444	2298	
NIOBRARA	306	3112	3226	
NIOBRARA	210	1036	730	-210
NIOBRARA	210			
NIOBRARA	270	132	192	
NIOBRARA	125	812	585	-82
NIOBRARA	154	730	759	
NIOBRARA	118	671	635	
NIOBRARA	179	796	857	
NIOBRARA	235	659	715	
NIOBRARA	118	813	696	
NIOBRARA	190	728	800	
NIOBRARA	193	833	836	
NIOBRARA	207	864	878	
NIOBRARA	179	839	811	
NIOBRARA	182	816	819	
NIOBRARA	299	653	770	
NIOBRARA	280	605	586	
NIOBRARA	308	728	756	
NIOBRARA	246	755	693	

NIOBRARA	255	931	940	
NIOBRARA	288	789	822	
NIOBRARA	308	918	938	
NIOBRARA	176	754	622	
NIOBRARA	148	828	800	
NIOBRARA	252	939	1043	
NIOBRARA	302	943	993	
NIOBRARA	252	1201	1151	
NIOBRARA	330	846	924	
NIOBRARA	280	802	752	
NIOBRARA	293	757	770	
NIOBRARA	235	1189	1131	
NIOBRARA	322	794	881	
NIOBRARA	308	1092	1078	
NIOBRARA	168	1006	866	
NIOBRARA	250	476	558	
NIOBRARA	349	804	903	
NIOBRARA	292	934	876	-1
NIOBRARA	308	1466	1482	
NIOBRARA	213	1224	1129	
NIOBRARA	450	1233	1470	
NIOBRARA	378	1139	1067	
NIOBRARA	411	1239	1272	
NIOBRARA	570	1468	1627	
NIOBRARA	250	1766	1446	
NIOBRARA	203	3050	3003	
NIOBRARA	142	61		
NIOBRARA	142			
NIOBRARA	142			
NIOBRARA	177	7	42	
NIOBRARA	406	13	211	-31
NIOBRARA	422	1607	1623	
NIOBRARA	439	1188	1205	
NIOBRARA	419	1274	1254	
NIOBRARA	403	1452	1436	
NIOBRARA	402	1665	1664	
NIOBRARA	297	1676	1571	
NIOBRARA	401	1718	1822	
NIOBRARA	481	1728	1808	
NIOBRARA	417	1872	1804	-4
NIOBRARA	340	2010	1933	
NIOBRARA	276	2221	2157	
NIOBRARA	305	2038	2067	
NIOBRARA	372	2430	2497	
NIOBRARA	276	2360	2264	
NIOBRARA	538	2305	2567	
NIOBRARA	350	3042	2854	
NIOBRARA	413	2859	2922	

NIOBRARA	302	3272	3161	
NIOBRARA	335	3426	3459	
NIOBRARA	641	4227	4533	
NIOBRARA	462	4683	4504	
NIOBRARA	985	6596	7119	
NIOBRARA	620	7552	7187	
NIOBRARA	590	10371	10341	
NIOBRARA		12565	11976	1
NIOBRARA				
NIOBRARA				

EOMInventory	OilGravity	GasProduced	GasFlared	GasUsed	GasShrinkage
229					
229	51.2	1762			
184	53.1	1703			
132	51.4	1877			
225	51.4	1901			
155	51.2	1878			
223	51.2	2078			
236	49.6	2157			
134	50.2	2203			
196	48	2360			
213	51	2745			
354	51	2274			
377	55.8	1821			
305	53.9	2239			
218	50.2	1979			
338	53.2	2142			
431	53.4	3611			
436	50.8	2077			
260	51.7	2746			
453	50.5	3075			
373	51	3639			
448	50.8	3945			
487	51.8	5266			
183	51.5	7354			
183	52.8	8833			
186	52.5	11338			
241	53.9	13299			
338	49	18158			
192	52.7	17341			
306	45.8	1939			
210					
210	50.2	746			
270	48.7	3958			
125	49.1	4280			
154	49.8	3822			
118	50.5	4418			
179	50	3743			
235	50.3	4399			
118	52.1	3915			
190	49.9	4376			
193	52.2	4443			
207	52	4373			
179	50.2	4451			
182	51.1	3788			
299	49.6	3725			
280	50.3	4410			
308	49.1	4240			

246	51.6	4916
255	50.2	4729
288	50.6	5191
308	50.9	4460
176	53.1	4764
148	51.9	5584
252	50.9	5569
302	51.6	6073
252	50.1	5073
330	50.2	5742
280	48	4971
293	48.5	5858
235	50.3	5964
322	49.1	6384
308	52.2	6915
168	50.7	6506
250	52.8	7085
349	51.5	7417
292	51.1	9081
308	50	7420
213	49.8	7976
450	50.6	7589
378	48.5	8621
411	49.5	9689
570	50.1	12157
250	50.1	17307
203		910
142		
142		
142	53.1	
177	40	
406	50	9361
422	50.2	8650
439	50.7	9361
419	49.2	10117
403	49.2	11166
402	50.1	11213
297	50.9	11373
401	51.2	12402
481	51.1	13192
417	50.5	12686
340	51.2	13874
276	51.8	13851
305	50.9	14925
372	51.1	14582
276	50.6	15284
538	50.3	17414
350	50.5	18003

413	50.7	20901
302	50.7	23010
335	51.4	26985
641	52.4	29802
462	50.3	37897
985	51.9	46255
620	50.5	
590	51.3	

GasSold	GasBTU	GasTubingPressure	GasCasingPressure	WaterVolume
1762	1299			212
1703	1300			209
1877	1300			213
1901	1300			213
1878	1300			161
2078	1252			212
2157	1252			299
2203	1251			402
2360	1251			397
2745	1252			553
2274	1252			258
1821	1181			135
2239	1182			187
1979	1182			179
2142	1182			266
3611	1182			282
2077	1181			170
2746	1170			261
3075	1170			461
3639	1170			399
3945	1169			225
5266	1170			
7354	1169			260
8833	1199			1490
11338	1202			130
13299	1202			1045
18158	1202			1736
17341	1202			2759
1939	1202			650
746	1202			20
3958	1202			
4280	1202			
3822	1202			130
4418	1202			
3743	1235			
4399	1235			
3915	1235			
4376	1235			
4443	1235			
4373	1235			15
4451	1281			20
3788	1281			1
3725	1281			1
4410	1281			1
4240	1281			3

4916	1281	2
4729	1281	
5191	1281	18
4460	1281	19
4764	1281	3
5584	1281	3
5569	1281	16
6073	1335	14
5073	1335	27
5742	1335	44
4971	1335	
5858	1335	
5964	1335	14
6384	1222	25
6915	1222	
6506	1222	
7085	1222	
7417	1222	9
9081	1222	5
7420	1256	5
7976	1256	
7589	1256	
8621	1256	8
9689	1256	7
12157	1256	
17307	1303	22
910	1303	2
9361	1303	119
8650	1303	152
9361	1303	150
10117	1303	
11166	1303	171
11213	1303	121
11373	1303	116
12402	1303	154
13192	1303	206
12686	1303	253
13874	1303	140
13851	1303	37
14925	1388	260
14582	1388	49
15284	1388	390
17414	1388	140
18003	1388	260

20901	1388	200
23010	1388	530
26985	1388	390
29802	1388	618
37897	1388	16
46255	1388	47
		3300

[illegible]

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