

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

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|  |    |    |    |
|--|----|----|----|
| DE                                       | ET | OE | ES |
| Document Number:<br><div>401118411</div> |    |    |    |
| Date Received:<br><div>09/29/2016</div>  |    |    |    |

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: <div>10459</div>   | Contact Name <div>Alyssa Andrews</div> | Complete the Attachment Checklist |
| Name of Operator: <div>EXTRACTION OIL &amp; GAS LLC</div>  | Phone: <div>(720) 481-2379</div>       |                                   |
| Address: <div>370 17TH STREET SUITE 5300</div>   | Fax: <div>( )</div>                    |                                   |
| City: <div>DENVER</div> State: <div>CO</div> Zip: <div>80202</div> Email: <div>Aandrews@extractionog.com</div>               |  |                                   |
| API Number : <div>05-12300</div> OGCC Facility ID Number: <div>440224</div>  |  | Survey Plat                       |
| Well/Facility Name: <div>BURROUGHS SOUTH SENE</div> Well/Facility Number: <div>PAD #1</div>                                  |  | Directional Survey                |
| Location QtrQtr: <div>SENE</div> Section: <div>14</div> Township: <div>7N</div> Range: <div>65W</div> Meridian: <div>6</div> |  | Srfc Eqpmt Diagram                |
| County: <div>WELD</div> Field Name: <div>WATTENBERG</div>  |  | Technical Info Page               |
| Federal, Indian or State Lease Number: <div></div>   |  | Other                             |

OP OGCC

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 <b>Surface</b> Footage <b>From</b> Exterior Section Lines:                 | <div>2191</div>   | <div>FNL</div>                   | <div>230</div>        | <div>FEL</div> |
| Change of <b>Surface</b> Footage <b>To</b> Exterior Section Lines:                   | <div></div>       | <div></div>                      | <div></div>           | <div></div>    |
| Current <b>Surface</b> Location <b>From</b> QtrQtr <div>SENE</div> Sec <div>14</div> | Twp <div>7N</div> | Range <div>65W</div>             | Meridian <div>6</div> |                |
| New <b>Surface</b> Location <b>To</b> QtrQtr <div></div> Sec <div></div>             | Twp <div></div>   | Range <div></div>                | Meridian <div></div>  |                |
| Change of <b>Top of Productive Zone</b> Footage <b>From</b> Exterior Section Lines:  | <div></div>       | <div></div>                      | <div></div>           | <div></div>    |
| Change of <b>Top of Productive Zone</b> Footage <b>To</b> Exterior Section Lines:    | <div></div>       | <div></div>                      | <div></div>           | <div></div> ** |
| Current <b>Top of Productive Zone</b> Location <b>From</b> Sec <div></div>           | Twp <div></div>   | Range <div></div>                |                       |                |
| New <b>Top of Productive Zone</b> Location <b>To</b> Sec <div></div>                 | Twp <div></div>   | Range <div></div>                |                       |                |
| Change of <b>Bottomhole</b> Footage <b>From</b> Exterior Section Lines:              | <div></div>       | <div></div>                      | <div></div>           | <div></div>    |
| Change of <b>Bottomhole</b> Footage <b>To</b> Exterior Section Lines:                | <div></div>       | <div></div>                      | <div></div>           | <div></div> ** |
| Current <b>Bottomhole</b> Location      Sec <div></div> Twp <div></div>              | Range <div></div> | ** attach deviated drilling plan |                       |                |
| New <b>Bottomhole</b> Location      Sec <div></div> Twp <div></div>                  | Range <div></div> |                                  |                       |                |

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 BURROUGHS SOUTH SENE Number PAD #1 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: Updated Waste Management Plan

## 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"/> Other _____                                 | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases          |  |

### 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**

| <b><u>No</u></b> | <b><u>BMP/COA Type</u></b>     | <b><u>Description</u></b>  |
|------------------|--------------------------------|--|
| 1                | Drilling/Completion Operations | The MLVT will be at least 75 feet from a wellhead, fired vessel, heater-treater, or a compressor with a rating of 200 horsepower or more. It will be placed at least 50 feet from a separator, well test unit, or other non-fired equipment.   |
| 2                | Drilling/Completion Operations | Operator will comply with the testing and re-inspection requirements and associated written standard operating procedures (SOP) listed on the design package.  |
| 3                | Drilling/Completion Operations | Tanks will be filled using a local water source through temporary waterlines. No water will be trucked to location.  |
| 4                | Drilling/Completion Operations | Operator has an MLVT Design Package, certified and sealed by a licensed professional engineer, which is on file in their office and available upon request. The site shall be prepared in accordance with the specifications of the design package prior to tank installation; including ensuring that proper compaction requirements have been met. |
| 5                | Drilling/Completion Operations | Signs will be posted on the MLVT indicating that the contents are freshwater.  |
| 6                | Drilling/Completion Operations | The MLVT will be operated with a minimum of 1 foot of freeboard at all times.  |
| 7                | Drilling/Completion Operations | Operator will be present during initial filling of the MLVT and the contractor will supervise and inspect the MLVT for leaks during filling.   |
| 8                | Drilling/Completion Operations | Operator or contractor will conduct daily visual inspections of the exterior wall and surrounding area for integrity deficiencies.   |
| 9                | Drilling/Completion Operations | A fabric reinforced liner will be utilized. In the event that a tank breach were to occur, the fabric reinforced liner will prevent a "zippering" failure from occurring. The liner will meet the specifications per the design package.   |
| 10               | Drilling/Completion Operations | All liner seams will be welded and tested in accordance with applicable ASTM International standards.  |
| 11               | Drilling/Completion Operations | Access to the MLVT will be limited to operational personnel and authorized regulatory agency personnel.  |
| 12               | Drilling/Completion Operations | Operator acknowledges and will comply with the Colorado Oil & Gas Conservation Commission Policy on the Use of Modular Large Volume Tanks in Colorado dated June 13, 2014.   |
| 13               | Drilling/Completion Operations | Operator has developed a contingency plan/emergency response plan associated with the MLVT and it is on file at their office.  |

Total: 13 comment(s)

**Operator Comments:**

The purpose of this sundry is to add an MLVT to the pad and update the drilling program to Oil Based Mud. The updated Waste Management Program, facility layout, and location drawing are attached. BMPs have been updated as well.

MLVT Vendor: Hydrologistics  
Size of MLVTs: 158 ft. diameter  
Anticipated time on site: 3 months

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

Signed: \_\_\_\_\_ Print Name: Alyssa Andrews  
Title: Regulatory Analyst Email: Aandrews@extractionog.com Date: 9/29/2016

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

COGCC Approved: ANDREWS, DOUG Date: 10/3/2016

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description**

|  |  |
|--|--|
|  |  |
|--|--|

**General Comments****User Group****Comment****Comment Date**

|  |  |                          |
|--|--|--------------------------|
|  | Operator provided the missing anticipated time the MLVT will be on site as required by the COGCC Policy. | 10/3/2016<br>11:08:23 AM |
|--|--|--------------------------|

Total: 1 comment(s)

**Attachment Check List****Att Doc Num****Name**

|           |                            |
|-----------|----------------------------|
| 401118411 | SUNDRY NOTICE APPROVED-DOC |
| 401118856 | WASTE MANAGEMENT PLAN      |
| 401120773 | OTHER                      |
| 401120776 | LOCATION DRAWING           |
| 401122385 | FORM 4 SUBMITTED           |

Total Attach: 5 Files