

**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:<br><b>401423057</b> |    |    |    |
| Date Received:<br><b>10/11/2017</b>  |    |    |    |

**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: <u>10459</u>                     | Contact Name <u>Alyssa Andrews</u>      |
| Name of Operator: <u>EXTRACTION OIL &amp; GAS INC</u>  | Phone: <u>(720) 481-2379</u>            |
| Address: <u>370 17TH STREET SUITE 5300</u>             | Fax: <u>( )</u>                         |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | Email: <u>aandrews@extractionog.com</u> |

Complete the Attachment  
Checklist

OP OGCC

|  |  |
|--|--|
| API Number : 05- <u>001</u> <u>10031</u> <u>00</u>   | OGCC Facility ID Number: <u>450044</u> |
| Well/Facility Name: <u>PC NORTH 1S-66-2928</u>   | Well/Facility Number: <u>4CDH</u>      |
| Location QtrQtr: <u>NWSW</u> Section: <u>29</u> Township: <u>1S</u> Range: <u>66W</u> Meridian: <u>6</u> |  |
| County: <u>ADAMS</u> Field Name: <u>WATTENBERG</u>   |  |
| Federal, Indian or State Lease Number: <u></u>   |  |

|                     |  |  |
|---------------------|--|--|
| 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 39.933590 PDOP Reading 1.6 Date of Measurement 08/03/2017  
Longitude -104.804730 GPS Instrument Operator's Name J. STILLE

**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 NWSW Sec 29

New **Surface** Location **To** QtrQtr NWSW Sec 29

| FNL/FSL       |                  | FEL/FWL           |            |
|---------------|------------------|-------------------|------------|
| <u>2338</u>   | <u>FSL</u>       | <u>1290</u>       | <u>FWL</u> |
| <u>1719</u>   | <u>FSL</u>       | <u>1175</u>       | <u>FWL</u> |
| Twp <u>1S</u> | Range <u>66W</u> | Meridian <u>6</u> |            |
| Twp <u>1S</u> | Range <u>66W</u> | Meridian <u>6</u> |            |

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 29

New **Top of Productive Zone** Location **To** Sec 29

|               |                  |            |            |           |
|---------------|------------------|------------|------------|-----------|
| <u>960</u>    | <u>FNL</u>       | <u>500</u> | <u>FWL</u> |           |
| <u>860</u>    | <u>FNL</u>       | <u>500</u> | <u>FWL</u> | <b>**</b> |
| Twp <u>1S</u> | Range <u>66W</u> |            |            |           |
| Twp <u>1S</u> | Range <u>66W</u> |            |            |           |
| <u>1010</u>   | <u>FNL</u>       | <u>500</u> | <u>FEL</u> |           |
| <u>860</u>    | <u>FNL</u>       | <u>500</u> | <u>FEL</u> | <b>**</b> |

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

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

Current **Bottomhole** Location Sec 28 Twp 1S

New **Bottomhole** Location Sec 28 Twp 1S

Range 66W **\*\* attach deviated drilling plan**  
Range 66W

Is location in High Density Area?

Distance, in feet, to nearest building 1372, public road: 888, above ground utility: 927, railroad: 2595,  
property line: 870, lease line: 0, well in same formation:

Ground Elevation 5064 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> |
|----------------------------|-----------------------|-----------------------------|---------------------|---------------------------|
| NIOBRARA                   | NBRR                  |                             | 320                 | GWA                       |

**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 PC NORTH 1S-66-2928 Number 4CDH Effective Date: 10/09/2017

To: Name PC 1S-66-2928 Number 4NH

☐ **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 11/15/2017

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

#### COMMENTS:

- The SHL has moved 619' south and 115' west after moving facilities to the north side of the pad.
- Top of production & BHL footages changing. No wells are within 150'.
- Casing program changed to monobore casing
- All existing wells were previously evaluated and the new configuration does not change that evaluation. New wells within 1500' are status XX or pending permits and do not require evaluation.
- Well will be drilled in the Niobrara formation. Name changed to reflect formation change.

#### 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 |
|------------------|------|----|---|------|------|----|---|--------|-------|------------|---------------|-----------------|---------------|------------|
| Conductor Casing | 24   |    |   |      | 16   |    |   |        | 42    | 0          | 80            | 100             | 80            | 0          |
| Surface String   | 12   | 1  |   | 4    | 9    | 5  |   | 8      | 36    | 0          | 1500          | 400             | 1500          | 0          |
| First String     | 8    | 1  |   | 2    | 5    | 1  |   | 2      | 20    | 0          | 18062         | 2413            | 18062         | 1500       |

#### 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 | 317.p One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open-hole logs were run. |
| 2                | Drilling/Completion Operations | Anti-collision: Operator will perform an anti-collision evaluation of all active (producing, shut in, or temporarily abandoned) offset wellbores that have the potential of being within 150 feet of a proposed well prior to drilling operations for the proposed well. Notice shall be given to all offset operators prior to drilling.  |
| 3                | Drilling/Completion Operations | Operator acknowledges and will comply with COGCC policy for Bradenhead Monitoring during Hydraulic Fracturing treatments in the Greater Wattenberg Area dated May 29, 2012.  |

Total: 3 comment(s)

**Operator Comments:**

- The SHL has moved 619' south and 115' west after moving facilities to the north side of the pad.
- Top of production & BHL footages changing. No wells are within 150'.
- Casing program changed to monobore casing
- All existing wells were previously evaluated and the new configuration does not change that evaluation. New wells within 1500' are status XX or pending permits and do not require evaluation.
- Well will be drilled in the Niobrara formation. Name changed to reflect formation change.
- Dropping "North" from well name.
- The PSU has changed. 30 days have passed and one objection was received from Grizzly Petroleum Company LLC and was withdrawn on 10/5/2017. Mineral lease map attached to scout card will still be developed in this spacing unit. New PSU:  
Sec. 28-1S-66W: N/2N/2  
Sec. 29-1S-66W: N/2N/2

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: 10/11/2017

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

COGCC Approved: GARRISON, PENNY Date: 12/12/2017

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

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

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

|        |   |            |
|--------|---|------------|
| Permit | This pad has a valid Form 2A.<br>Updated formation in well update.<br>Permitting Review Complete. | 12/12/2017 |
|--------|---|------------|

Total: 1 comment(s)

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

|           |  |
|-----------|--|
| 401423057 | SUNDRY NOTICE APPROVED-LOC-OBJ-NAME-DRLG-CSG |
| 401423393 | DIRECTIONAL DATA                             |
| 401423394 | DEVIATED DRILLING PLAN                       |
| 401423395 | WELL LOCATION PLAT                           |
| 401423578 | PROPOSED SPACING UNIT                        |
| 401483253 | FORM 4 SUBMITTED                             |

Total Attach: 6 Files