



May 24, 2016

Town of Erie  
645 Holbrook St.  
P.O. Box 750  
Erie, CO 80516  
Attention: R. Martin Ostholthoff

Re: Notice of Intent to Plug and Reclaim (Plug and Abandon) existing oil and gas well

Dear Mr. Ostholthoff,

This is a courtesy notice to make the Town of Erie aware of our intent to plug and reclaim an oil and gas well that is located within Erie's municipal boundaries. We feel it is important to send notification should questions arise regarding the activity. Extraction Oil and Gas, LLC plans to perform these operations on the following existing oil and gas wells:

**Hippen UU 32-13**

**05-123-17220**

**Section 32 T1N-R68W: SWSW**

Prior to the initiation of operations on June 1<sup>st</sup> we will notify nearby residents on the timing and details of the upcoming activity (see attached notification post card).

At Extraction Oil and Gas, LLC we are committed to safe and responsible operations and value our relationship with the Town of Erie and the members of its community. If you should have any questions regarding the plugging and reclamation of these wells, please do not hesitate to contact me at (720) 974-7732.

I appreciate your time and attention to this matter.

Sincerely,  
**Extraction Oil and Gas, LLC**

A handwritten signature in blue ink that reads "Patty Varra".

Patty Varra  
Municipal Coordinator

FORM  
6  
Rev  
12/05

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>400945734 |    |    |    |
| Date Received:<br>12/01/2015  |    |    |    |

**WELL ABANDONMENT REPORT**

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.  
A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 10459 Contact Name: Taylor Heffner  
 Name of Operator: EXTRACTION OIL & GAS LLC Phone: (720) 9742019  
 Address: 370 17TH STREET SUITE 5300 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: theffner@extractionog.com  
 For "Intent" 24 hour notice required, Name: Helgeland, Gary Tel: (970) 216-5749  
 COGCC contact: Email: gary.helgeland@state.co.us

API Number 05-123-17220-00 Well Number: 32-13  
 Well Name: HIPPEN UU  
 Location: QtrQtr: SWSW Section: 32 Township: 1N Range: 68W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: WATTENBERG Field Number: 90750

Notice of Intent to Abandon  Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.002090 Longitude: -105.034420  
 GPS Data:  
 Date of Measurement: 05/01/2007 PDOP Reading: 1.9 GPS Instrument Operator's Name: Paul Tappy  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 1125  
 Fish in Hole:  Yes  No If yes, explain details below  
 Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below  
 Details: \_\_\_\_\_

**Current and Previously Abandoned Zones**

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CODELL    | 8105      | 8115      |                |                     |            |
| J SAND    | 8538      | 8573      |                |                     |            |
| NIOBRARA  | 7694      | 8100      |                |                     |            |

Total: 3 zone(s)

**Casing History**

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF        | 12+1/4       | 8+5/8          | 24              | 1,023         | 750          | 1,023      | 0          | VISU   |
| 1ST         | 7+7/8        | 3+1/2          | 7.7             | 8,288         | 210          | 8,288      | 7,156      | CBL    |
| 1ST LINER   | 3+1/2        | 2+3/8          | 4.7             | 8,673         | 5            | 8,673      | 8,200      | CALC   |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8150 with 2 sacks cmt on top. CIPB #2: Depth 7625 with 21 sacks cmt on top.  
 CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #4: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
 CIBP #5: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

|   |                             |  |
|---|-----------------------------|--|
| Set <u>163</u> sks cmt from <u>1225</u> ft. to <u>483</u> ft. | Plug Type: <u>STUB PLUG</u> | Plug Tagged: <input checked="" type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft.                 | Plug Type: _____            | Plug Tagged: <input type="checkbox"/>            |
| Set _____ sks cmt from _____ ft. to _____ ft.                 | Plug Type: _____            | Plug Tagged: <input type="checkbox"/>            |
| Set _____ sks cmt from _____ ft. to _____ ft.                 | Plug Type: _____            | Plug Tagged: <input type="checkbox"/>            |
| Set _____ sks cmt from _____ ft. to _____ ft.                 | Plug Type: _____            | Plug Tagged: <input type="checkbox"/>            |

Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
 Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
 Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 163 sacks half in. half out surface casing from 1225 ft. to 483 ft. Plug Tagged:   
 Set 10 sacks at surface  
 Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker:  Yes  No  
 Set \_\_\_\_\_ sacks in rat hole Set \_\_\_\_\_ sacks in mouse hole

### Additional Plugging Information for Subsequent Report Only

Casing Recovered: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 Flowline/Pipeline has been abandoned per Rule 1103  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: Taylor Heffner  
 Title: Production Engineer Date: 12/1/2015 Email: theffner@extractionog.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: SCHLAGENHAUF, MARK Date: 12/28/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 6/27/2016

| <b>COA Type</b> | <b>Description</b>  |
|-----------------|---|
|                 | <p>Note change in plugging procedure:</p> <ol style="list-style-type: none"> <li>1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.</li> <li>2) If unable to pull casing contact COGCC for plugging modifications.</li> <li>3) For 1225' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 483' or shallower to isolate Laramie Fox Hills aquifer from shallower Lower Arapahoe aquifer. Increase cement volumes accordingly. If shoe plug not circulated to surface then place 10-40 sx inside casing at surface. Leave at least 100' for each plug.</li> <li>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</li> <li>5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.</li> </ol> |

**Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b> |
|--------------------|-------------|
|                    |             |

Total Attach: 0 Files

**General Comments**

| <b>User Group</b> | <b>Comment</b>   | <b>Comment Date</b>       |
|-------------------|--|---------------------------|
| Engineer          | Changed liner hole size to 2 7/8" so bit would fit through 3 1/2" casing. No documentation for hole size in COGCC file for this section of the well. | 12/28/2015<br>10:27:56 AM |
| Permit            | Per operator separated the Niobrara and Codell formation and added the top and bottom perfs. Permitting Review Complete.                             | 12/28/2015<br>9:30:51 AM  |
| Permit            | Well Completion Reports dated 11/16/1993 & 8/13/2002.  | 12/28/2015<br>9:18:27 AM  |
| Public Room       | Document verification complete 12/2/15   | 12/2/2015<br>11:41:45 AM  |

Total: 4 comment(s)