

**FORM  
INSP**Rev  
X/15

# State of Colorado

## Oil and Gas Conservation Commission

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



Inspection Date:

02/13/2017

Submitted Date:

02/22/2017

Document Number:

674603166**FIELD INSPECTION FORM**

| Loc ID<br>318515  | Inspector Name:<br>Maclaren, Joe | On-Site Inspection <input type="checkbox"/> | 2A Doc Num: _____ | <b>Status Summary:</b><br><input type="checkbox"/> THIS IS A FOLLOW UP INSPECTION<br><input type="checkbox"/> FOLLOW UP INSPECTION REQUIRED<br><input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED<br><br><b>Findings:</b><br>4 Number of Comments<br>0 Number of Corrective Actions<br><input type="checkbox"/> Corrective Action Response Requested |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
|---|----------------------------------|---|-------------------|---|--------------|---------------|-------------|------------|----------------|---------------|----------------------------------|--------|-----------------|----|----------------------------|----|----------------|--------------|---------------------------|--|---------------|--|-----------------------------------|--|--------------|--|----------------------------------|--|--------------------|--|-------------------------------|--|
| <b>Operator Information:</b><br>OGCC Operator Number: <u>68710</u><br>Name of Operator: <u>PETERSON ENERGY OPERATING INC</u><br>Address: <u>2154 W EISENHOWER BLVD</u><br>City: <u>LOVELAND</u> State: <u>CO</u> Zip: <u>80537</u>  |                                  |   |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| <b>Contact Information:</b> <table border="1"> <thead> <tr> <th>Contact Name</th> <th>Phone</th> <th>Email</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Peterson, Andy</td> <td>/8960</td> <td>andy.peterson@petersonenergy.com</td> <td></td> </tr> <tr> <td>Canfield, Chris</td> <td></td> <td>chris.canfield@state.co.us</td> <td></td> </tr> <tr> <td>Hazard, Ellice</td> <td></td> <td>ellice.hazard@state.co.us</td> <td></td> </tr> <tr> <td>Newton, Sarah</td> <td></td> <td>sarah@petersonenergyoperating.com</td> <td></td> </tr> <tr> <td>Ryan Dornbos</td> <td></td> <td>ryan@petersonenergyoperating.com</td> <td></td> </tr> <tr> <td>Schlagenhauf, Mark</td> <td></td> <td>mark.schlagenhauf@state.co.us</td> <td></td> </tr> </tbody> </table> |                                  |   |                   |   | Contact Name | Phone         | Email       | Comment    | Peterson, Andy | /8960         | andy.peterson@petersonenergy.com |        | Canfield, Chris |    | chris.canfield@state.co.us |    | Hazard, Ellice |              | ellice.hazard@state.co.us |  | Newton, Sarah |  | sarah@petersonenergyoperating.com |  | Ryan Dornbos |  | ryan@petersonenergyoperating.com |  | Schlagenhauf, Mark |  | mark.schlagenhauf@state.co.us |  |
| Contact Name  | Phone                            | Email                                       | Comment           |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Peterson, Andy  | /8960                            | andy.peterson@petersonenergy.com            |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Canfield, Chris   |                                  | chris.canfield@state.co.us                  |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Hazard, Ellice  |                                  | ellice.hazard@state.co.us                   |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Newton, Sarah   |                                  | sarah@petersonenergyoperating.com           |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Ryan Dornbos  |                                  | ryan@petersonenergyoperating.com            |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Schlagenhauf, Mark  |                                  | mark.schlagenhauf@state.co.us               |                   |   |              |               |             |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| <b>Inspected Facilities:</b> <table border="1"> <thead> <tr> <th>Facility ID</th> <th>Type</th> <th>Status</th> <th>Status Date</th> <th>Well Class</th> <th>API Num</th> <th>Facility Name</th> <th>Insp Status</th> </tr> </thead> <tbody> <tr> <td>241450</td> <td>WELL</td> <td>PR</td> <td>02/01/2011</td> <td>GW</td> <td>123-09239</td> <td>RASMUSSEN 4A</td> <td>EG</td> </tr> </tbody> </table>  |                                  |   |                   | Facility ID   | Type         | Status        | Status Date | Well Class | API Num        | Facility Name | Insp Status                      | 241450 | WELL            | PR | 02/01/2011                 | GW | 123-09239      | RASMUSSEN 4A | EG                        |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| Facility ID   | Type                             | Status                                      | Status Date       | Well Class  | API Num      | Facility Name | Insp Status |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |
| 241450  | WELL                             | PR  | 02/01/2011        | GW  | 123-09239    | RASMUSSEN 4A  | EG          |            |                |               |                                  |        |                 |    |                            |    |                |              |                           |  |               |  |                                   |  |              |  |                                  |  |                    |  |                               |  |

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**Inspected Facilities:**

| Facility ID | Type | Status | Status Date | Well Class | API Num   | Facility Name | Insp Status |
|-------------|------|--------|-------------|------------|-----------|---------------|-------------|
| 241450      | WELL | PR     | 02/01/2011  | GW         | 123-09239 | RASMUSSEN 4A  | EG          |

**General Comment:**

Engineering integrity inspection performed on February 13th, 2017 in response to initial form 19 spill report Doc #401205047 received by COGCC on 02/08/2017 that outlines: While excavating to plumb bradenhead to surface, contaminated soil was discovered adjacent to well head. No source was found during initial observations. The details of observations made during this field inspection are available in the flowline and comment sections of this report. Photo's have been uploaded and can be accessed via link(s) at the end of this report.

**Inspected Facilities**

Facility ID: 241450 Type: WELL API Number: 123-09239 Status: PR Insp. Status: EG

**BradenHead**

Comment: Bradenhead has been plumbed to surface; Bradenhead testing was completed on 2/16/2017 (doc #401214446).

Corrective Action: Date: **Flowline**

| #1 | Type: Well Site | of Lines |
|----|-----------------|----------|
|----|-----------------|----------|

Flowline DescriptionFlowline Type: Well SiteSize: 2"Material: Carbon Steel

Variance:

Age: 20+ YrsContents: MultiphaseIntegrity Summary

Failures:

Spills:

Repairs Made: No

Coatings:

H2S:

Cathodic Protection:

Pressure Testing

Witnessed:

Test Result:

Charted:

COGCC Rules (check all that apply)☐ 1101. Installation and Reclamation☐ 1102. Operations, Maintenance, and Repair☐ 1103. Abandonment

Comment: The well site flowline (between wellhead and separator) has been partially exposed during site excavation/ remediation activities; No flowline integrity issues were identified during the investigation of the historical release. Note: As discussed with Peterson Energy Personnel on location: Conduct flowline pressure testing to re-confirm integrity of Rasmussen 4A well site flowline, retain testing data/ chart as part of annual testing program. This has been tentatively scheduled for April/ May 2017.

Corrective Action: Date: **COGCC Comments**

| Comment  | User            | Date              |
|--|-----------------|-------------------|
| <u>Based on conversations with Peterson Energy Operating personnel (Ryan Dornbos/ Petroleum Engineer) throughout the remediation project; The source of the historical release was not identified and may be attributed to poor historical practices by a previous operator. There were no integrity issues identified at the wellhead or along the flowline in the area of the release. The flowline was pre-tested to 50 psi during site work - results deemed satisfactory by Peterson Energy personnel. Annual flowline pressure testing is being scheduled and will be charted/ COGCC integrity inspector to be notified of testing schedule.</u> | <u>maclarej</u> | <u>02/22/2017</u> |

**Attached Documents**

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

| Document Num | Description                                    | URL   |
|--------------|--|---|
| 401216330    | INSPECTION SUBMITTED                           | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4081292">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4081292</a> |
| 674603178    | Site excavation/ Wellhead and flowline exposed | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4081290">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4081290</a> |
| 674603179    | View of remediation project/ looking North     | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4081291">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4081291</a> |