

**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:

09/25/2018

Submitted Date:

09/27/2018

Document Number:

689701823**FIELD INSPECTION FORM**

| | | | | |
|--|------------------------------------|---|-------------------|---|
| Loc ID 324100 | Inspector Name: LONGWORTH, MIKE | On-Site Inspection <input type="checkbox"/> | 2A Doc Num: _____ | Status Summary: <input type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED |
| Operator Information: OGCC Operator Number: <u>10433</u> Name of Operator: <u>LARAMIE ENERGY LLC</u> Address: <u>1401 SEVENTEENTH STREET #1400</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | | | | Findings: 38 Number of Comments 10 Number of Corrective Actions <input checked="" type="checkbox"/> Corrective Action Response Requested |

Contact Information:

| Contact Name | Phone | Email | Comment |
|-----------------|--------------|---------------------------------------|-----------------|
| COGCC, Laramie | 970-248-0497 | cogccnotifications@laramie-energy.com | All inspections |
| Kellerby, Shaun | | shaun.kellerby@state.co.us | |
| Pesicka, Conor | | conor.pesicka@state.co.us | |
| Colby, Lou | | lou.colby@state.co.us | |

Inspected Facilities:

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status |
|-------------|------|--------|-------------|------------|-----------|--------------------------|-------------|
| 257135 | WELL | PR | 10/04/2012 | GW | 045-07519 | CASCADE CREEK 608-41 | PR |
| 301359 | WELL | XX | 08/01/2016 | GW | 045-18126 | Cascade Creek 697-05-78B | TA |
| 301360 | WELL | PR | 08/14/2011 | GW | 045-18127 | Cascade Creek 697-08-06A | PR |
| 301361 | WELL | PR | 11/10/2011 | GW | 045-18128 | Cascade Creek 697-08-08B | PR |
| 301362 | WELL | PR | 05/16/2013 | GW | 045-18129 | Cascade Creek 697-08-16 | PR |
| 301363 | WELL | PR | 03/05/2013 | GW | 045-18130 | Cascade Creek 697-08-14 | PR |
| 301364 | WELL | PR | 11/11/2013 | GW | 045-18131 | Cascade Creek 697-08-08A | PR |
| 301387 | WELL | PR | 11/11/2013 | GW | 045-18146 | Cascade Creek 697-05-80A | PR |
| 301388 | WELL | PR | 12/05/2011 | GW | 045-18147 | Cascade Creek 697-08-23A | PR |
| 301389 | WELL | PR | 09/28/2011 | GW | 045-18148 | Cascade Creek 697-08-06B | PR |
| 301390 | WELL | PR | 05/18/2015 | GW | 045-18149 | Cascade Creek 697-09-09 | PR |
| 301391 | WELL | PR | 10/07/2011 | GW | 045-18150 | Cascade Creek 697-09-17B | PR |
| 413183 | WELL | PR | 10/06/2011 | GW | 045-18730 | Cascade Creek 697-09-17A | PR |
| 413184 | WELL | PR | 10/14/2011 | GW | 045-18733 | Cascade Creek 697-05-80B | PR |
| 413185 | WELL | PR | 10/14/2011 | GW | 045-18732 | Cascade Creek 697-05-72 | PR |
| 413186 | WELL | PR | 07/01/2017 | GW | 045-18731 | Cascade Creek 697-05-78A | PR |
| 419700 | WELL | PR | 10/29/2013 | GW | 045-20011 | Cascade Creek 697-05-70 | PR |
| 419701 | WELL | PR | 11/05/2013 | GW | 045-20012 | Cascade Creek 697-05-69 | PR |
| 419702 | WELL | PR | 10/07/2016 | GW | 045-20013 | Cascade Creek 697-05-71 | PR |
| 419741 | WELL | PR | 06/21/2012 | GW | 045-20017 | Cascade Creek 697-09-02B | PR |

| | | | | | | | |
|--------|------|----|------------|----|-----------|--------------------------|----|
| 419764 | WELL | PR | 10/29/2014 | GW | 045-20020 | Cascade Creek 697-09-19A | PR |
| 419770 | WELL | PR | 10/07/2016 | GW | 045-20023 | Cascade Creek 697-09-10B | PR |
| 419772 | WELL | XX | 09/21/2016 | GW | 045-20024 | Cascade Creek 697-09-10A | TA |

General Comment:
[Routine General Field Inspection](#)

LocationOverall Good: ☐**Signs/Marker:**

| | | | |
|--------------------|---|-------|------------|
| Type | TANK LABELS/PLACARDS | | |
| Comment: | New labels on tanks and old damaged labels left on tanks. 500 gallon metahonal tank at well heads needs operator name, contact number and volume capacity. The labels are smaller than the previous labels and have been placed over the bigger labels. One of the old labels is visible and has conflicting hazard information. Out of service sticker has a smaller operator name sticker only partialy cover it. | | |
| Corrective Action: | Install sign to comply with Rule 210.d. & .e. | Date: | 11/30/2018 |
| Type | BATTERY | | |
| Comment: | Sign at entrance and main road. No Contact number on sign. | | |
| Corrective Action: | Install sign to comply with Rule 210.b.(2) | Date: | 10/31/2018 |
| Type | CONTAINERS | | |
| Comment: | Faded label on center container. | | |
| Corrective Action: | Install sign to comply with Rule 210.d. | Date: | 11/30/2018 |
| Type | WELLHEAD | | |
| Comment: | The T/A 697-09-10A well sign not readily visible and no legal description on sign. T/A well 697-05-78B well sign off of well and laying in the cellar. | | |
| Corrective Action: | Install sign to comply with Rule 210.b. | Date: | 11/30/2018 |
| Type | OTHER | | |
| Comment: | No lock out tag out tags on out of service flow lines in tank battery containment. Lock out tag out tags missing from 2 of 6 out of service flow line risers at separators. | | |
| Corrective Action: | Tag out of service lines. | Date: | 10/31/2018 |

Emergency Contact Number:

Comment: 970-248-0497 Needs post on entrance battery sign.

Corrective Action:

Date: _____

Good Housekeeping:

| | | | |
|--------------------|--|-------|------------|
| Type | STORAGE OF SUPL | | |
| Comment: | Storage of of heat tubes and tarps in well cellars and methanol containment. | | |
| Corrective Action: | Comply with Rule 603.f . | Date: | 10/31/2018 |

Overall Good: ☐**Spills:**

| | | | | |
|------|------|--------|--|--|
| Type | Area | Volume | | |
|------|------|--------|--|--|

In Containment: No

Comment:

☐ Multiple Spills and Releases?**Fencing/:**

| | | | |
|--------------------|---|-------|------------|
| Type | WELLHEAD | | |
| Comment: | Open cellars with no covers or fencing. | | |
| Corrective Action: | Comply with Rule 1203.a.(13) | Date: | 10/01/2018 |

| | | | | | |
|-----------------------------------|-------------------------------|--|--|-----------------|-------|
| Equipment: | | | | corrective date | |
| Type: Horizontal Heated Separator | # 20 | | | | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |
| Type: Plunger Lift | # 1 | | | | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |
| Type: Ancillary equipment | # 6 | | | | |
| Comment: | Chemical containers at wells. | | | | |
| Corrective Action: | | | | | Date: |
| Type: Horizontal Heated Separator | # 3 | | | | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |
| Type: Plunger Lift | # 20 | | | | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |
| Type: Vertical Heated Separator | # 4 | | | | |
| Comment: | Unit on multipal well pad. | | | | |
| Corrective Action: | | | | | Date: |
| Type: Bird Protectors | # 15 | | | | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |

Tanks and Berms:

| | | | | | | |
|--------------------|---|----------|------------------|---------|--------|-------|
| Contents | # | Capacity | Type | Tank ID | SE GPS | |
| CONDENSATE | 1 | 400 BBLs | HEATED STEEL AST | | , | |
| Comment: | | | | | | |
| Corrective Action: | | | | | | Date: |

Paint

| | | | | | |
|------------------|----------|--|--|--|--|
| Condition | Adequate | | | | |
| Other (Content) | | | | | |
| Other (Capacity) | | | | | |
| Other (Type) | | | | | |

Berms

| | | | | | |
|--------------------|----------|---------------------|---------------------|-------------|--------|
| Type | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance | |
| Metal | Adequate | Walls Sufficent | Base Sufficent | Adequate | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |
| Contents | # | Capacity | Type | Tank ID | SE GPS |
| CONDENSATE | 3 | 400 BBLs | STEEL AST | | , |
| Comment: | | | | | |

| | | | | | | |
|--------------------|--|--|--|--|-------|--|
| Corrective Action: | | | | | Date: | |
|--------------------|--|--|--|--|-------|--|

Paint

| | | | | | |
|------------------|----------|--|--|--|--|
| Condition | Adequate | | | | |
| Other (Content) | | | | | |
| Other (Capacity) | | | | | |
| Other (Type) | | | | | |

Berms

| | | | | | |
|--------------------|----------|---------------------|---------------------|-------------|-------|
| Type | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance | |
| Metal | Adequate | Walls Sufficient | Base Sufficient | Adequate | |
| Comment: | | | | | |
| Corrective Action: | | | | | Date: |

Venting:

| | | | |
|--------------------|----|--|-------|
| Yes/No | NO | | |
| Comment: | | | |
| Corrective Action: | | | Date: |

Flaring:

| | | |
|--------------------|--|-------|
| Type | | |
| Comment: | | |
| Corrective Action: | | Date: |

Location Construction

Location ID: 324100 CDP: _____

Comment: _____

Corrective Action: _____ Date: _____

Form 2A COAs:

Comment: _____

Corrective Action: _____ Date: _____

Wildlife BMPs:

Comment: _____

Corrective Action: _____ Date: _____

Comment: _____

Corrective Action: _____ Date: _____

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____ Address: _____

Phone Number: _____ Cell Phone: _____

Operator Rep. Contact Information:

Landman Name: _____ Phone Number: _____

Date Onsite Request Received: _____ Date of Rule 306 Consultation: _____

Request LGD Attendance: _____

LGD Contact Information:

Name: _____ Phone Number: _____ Agreed to Attend: _____

Summary of Landowner Issues:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

| Inspected Facilities | | | | |
|--|-------------------|------------------------------|-------------------|-------------------------|
| Facility ID: <u>257135</u> | Type: <u>WELL</u> | API Number: <u>045-07519</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
| <u>Producing Well</u> | | | | |
| Comment: <u>Producing well</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301359</u> | Type: <u>WELL</u> | API Number: <u>045-18126</u> | Status: <u>XX</u> | Insp. Status: <u>TA</u> |
| <u>Idle Well</u> | | | | |
| Purpose: <input type="checkbox"/> Shut In <input checked="" type="checkbox"/> Temporarily Abandoned Reminder: _____ | | | | |
| Comment: <u>Well is shut in with a single frac valve no cap on valve. Doc #200405651 MIT date 05-16-2014</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301360</u> | Type: <u>WELL</u> | API Number: <u>045-18127</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
| <u>Producing Well</u> | | | | |
| Comment: <u>Producing well</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301361</u> | Type: <u>WELL</u> | API Number: <u>045-18128</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
| <u>Producing Well</u> | | | | |
| Comment: <u>Producing well</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301362</u> | Type: <u>WELL</u> | API Number: <u>045-18129</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
| <u>Producing Well</u> | | | | |
| Comment: <u>Producing well</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301363</u> | Type: <u>WELL</u> | API Number: <u>045-18130</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
| <u>Producing Well</u> | | | | |
| Comment: <u>Producing well</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301364</u> | Type: <u>WELL</u> | API Number: <u>045-18131</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
| <u>Producing Well</u> | | | | |
| Comment: <u>Producing well</u> | | | | |
| Corrective Action: | | | Date: | |
| Facility ID: <u>301387</u> | Type: <u>WELL</u> | API Number: <u>045-18146</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |

| <u>Producing Well</u> | | | | |
|--|----------------|--|-------|--|
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 301388 Type: WELL API Number: 045-18147 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 301389 Type: WELL API Number: 045-18148 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 301390 Type: WELL API Number: 045-18149 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 301391 Type: WELL API Number: 045-18150 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 413183 Type: WELL API Number: 045-18730 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 413184 Type: WELL API Number: 045-18733 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 413185 Type: WELL API Number: 045-18732 Status: PR Insp. Status: PR | | | | |
| <u>Producing Well</u> | | | | |
| Comment: | Producing well | | | |
| Corrective Action: | | | Date: | |
| Facility ID: 413186 Type: WELL API Number: 045-18731 Status: PR Insp. Status: PR | | | | |

| | | | |
|------------------------------|---|---------|------|
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419700 | Type: | WELL |
| API Number: | 045-20011 | Status: | PR |
| Insp. Status: | PR | | |
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419701 | Type: | WELL |
| API Number: | 045-20012 | Status: | PR |
| Insp. Status: | PR | | |
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419702 | Type: | WELL |
| API Number: | 045-20013 | Status: | PR |
| Insp. Status: | PR | | |
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419741 | Type: | WELL |
| API Number: | 045-20017 | Status: | PR |
| Insp. Status: | PR | | |
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419764 | Type: | WELL |
| API Number: | 045-20020 | Status: | PR |
| Insp. Status: | PR | | |
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419770 | Type: | WELL |
| API Number: | 045-20023 | Status: | PR |
| Insp. Status: | PR | | |
| <u>Producing Well</u> | | | |
| Comment: | Producing well | | |
| Corrective Action: | | Date: | |
| | | | |
| Facility ID: | 419772 | Type: | WELL |
| API Number: | 045-20024 | Status: | XX |
| Insp. Status: | TA | | |
| <u>Idle Well</u> | | | |
| Purpose: | <input type="checkbox"/> Shut In <input checked="" type="checkbox"/> Temporarily Abandoned Reminder: _____ | | |
| Comment: | Well is shut in with a double stacked frac valves no cap on valve. Doc #400994003 MIT date 02-22-2016 | | |
| Corrective Action: | | Date: | |

Reclamation - Storm Water - Pit**Interim Reclamation:**

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: RANGELAND

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND
SEGREGATION _____

Comment _____

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____

Comment _____

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment _____

Corrective Action _____

Date _____

1003a. Waste and Debris removed? _____

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? _____

Comment _____

Corrective Action _____

Date _____

Pit, cellars, rat holes and other bores closed? Fail

Comment _____

Corrective Action _____

Date **10/31/2018**

Guy line anchors marked? _____

Comment _____

Corrective Action _____

Date _____

1003b. Area no longer in use? _____ Production areas stabilized ? _____

1003c. Compacted areas have been cross ripped? _____

1003d. Drilling pit closed? _____ Subsidence over on drill pit? _____

Cuttings management: _____

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? _____

Production areas have been stabilized? _____ Segregated soils have been replaced? _____

RESTORATION AND REVEGETATIONCropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

1003 f. Weeds Noxious weeds? _____

Comment Location is excessive sized. Interim reclamation has not been started.

Corrective Action Comply with the 1003 interim reclamation rules.

Date **10/31/2018**

Overall Interim Reclamation **Fail**

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: RANGELAND

Reminder: _____

Comment: _____

Well plugged _____

Pit mouse/rat holes, cellars backfilled _____

Debris removed _____

No disturbance /Location never built _____

Access Roads _____

Regraded _____

Contoured _____

Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed _____

Locations, facilities, roads, recontoured _____

Compaction alleviation _____

Dust and erosion control _____

Non cropland: Revegetated 80% _____

Cropland: perennial forage _____

Weeds present _____

Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: _____

Corrective Action: _____

Date _____

Overall Final Reclamation _____

Well Release on Active Location ☐

Multi-Well Location ☐

Storm Water:

| Loc Erosion BMPs | BMP Maintenance | Lease Road Erosion BMPs | Lease BMP Maintenance | Chemical BMPs | Chemical BMP Maintenance | Comment |
|------------------|-----------------|-------------------------|-----------------------|--|--------------------------|---------|
| | | Culverts | Pass | | | |
| Compaction | Pass | | | | | |
| | | Check Dams | Pass | | | |
| | | | | Material Handling And Spill Prevention | Pass | |
| Gravel | Pass | | | | | |
| | | Ditches | Fail | | | |
| Berms | Pass | | | | | |

Comment: Ditch on access road at entrance is blocked with sediment and storm water washing around sediment into the road. Open berm with pit liner on location. No bmps off the edges of location found. Sediment and shale migrating down grade.

Corrective Action: Install or repair required BMPs per Rule 1002.f.

Date: 10/31/2018

Pits: ☒ NO SURFACE INDICATION OF PIT

Attached Documents

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

| Document Num | Description | URL |
|--------------|--------------------------------|---|
| 689701824 | Inspection 689701823 photo log | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4593732 |