

**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:

11/14/2016

Submitted Date:

12/15/2016

Document Number:

680101289**FIELD INSPECTION FORM**

Loc ID 423240	Inspector Name: Colby, Lou	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____
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**Operator Information:**

OGCC Operator Number: 10433

Name of Operator: LARAMIE ENERGY LLC

Address: 1401 SEVENTEENTH STREET #1400

City: DENVER State: CO Zip: 80202

**Status Summary:**

☐ THIS IS A FOLLOW UP INSPECTION

☒ FOLLOW UP INSPECTION REQUIRED

☐ NO FOLLOW UP INSPECTION REQUIRED

**Findings:**

5 Number of Comments

2 Number of Corrective Actions

☒ Corrective Action Response Requested

**Contact Information:**

Contact Name	Phone	Email	Comment
Prescott, Lorne	(970) 812-5311	lprescott@laramie-energy.com	Enviro Pice/Laramie
		wbankert@laramie-energy.com	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
423266	WELL	PR	08/05/2012	GW	045-20709	Cascade Creek 697-04-59A	RI
423267	WELL	PR	06/08/2012	GW	045-20710	Cascade Creek 697-09-04B	RI
423268	WELL	PR	07/16/2012	GW	045-20711	Cascade Creek 697-04-59C	RI
423269	WELL	PR	06/10/2012	GW	045-20712	Cascade Creek 697-09-02A	RI
423271	WELL	PR	08/03/2012	GW	045-20713	Cascade Creek 697-04-68	RI
423272	WELL	PR	06/10/2012	GW	045-20714	Cascade Creek 697-04-84B	RI
423273	WELL	PR	11/18/2014	GW	045-20715	Cascade Creek 697-04-84A	RI
423274	WELL	PR	07/22/2013	GW	045-20716	Cascade Creek 697-04-57A	RI
423275	WELL	PR	06/10/2012	GW	045-20717	Cascade Creek 697-05-63B	RI
423276	WELL	PR	04/15/2014	GW	045-20718	Cascade Creek 697-04-74A	RI
423277	WELL	PR	06/01/2012	GW	045-20719	Cascade Creek 697-09-12	RI
423278	WELL	PR	08/13/2012	GW	045-20720	Cascade Creek 697-04-67	RI
423279	WELL	PR	07/18/2012	GW	045-20721	Cascade Creek 697-04-57B	RI
423280	WELL	PR	06/09/2012	GW	045-20722	Cascade Creek 697-04-65A	RI
423281	WELL	PR	08/14/2012	GW	045-20723	Cascade Creek 697-04-76A	RI
423286	WELL	PR	07/23/2012	GW	045-20724	Cascade Creek 697-04-59B	RI
423289	WELL	PR	06/06/2012	GW	045-20725	Cascade Creek 697-05-63A	RI
423290	WELL	PR	06/09/2012	GW	045-20726	Cascade Creek 697-04-65B	RI
423298	WELL	PR	05/30/2012	GW	045-20728	Cascade Creek 697-04-82	RI
423299	WELL	PR	03/27/2012	GW	045-20729	Cascade Creek 697-04-76B	RI

**General Comment:**

This is an Interim Reclamation and Stormwater focused Inspection. Any Corrective Actions from previous Inspections that have not been addressed are still applicable. This Location Lies in a Sensitive Wildlife Habitat: Greater Sage Grouse Production Area.



Inspected Facilities				
Facility ID: <u>423266</u>	Type: <u>WELL</u>	API Number: <u>045-20709</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423267</u>	Type: <u>WELL</u>	API Number: <u>045-20710</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423268</u>	Type: <u>WELL</u>	API Number: <u>045-20711</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423269</u>	Type: <u>WELL</u>	API Number: <u>045-20712</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423271</u>	Type: <u>WELL</u>	API Number: <u>045-20713</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423272</u>	Type: <u>WELL</u>	API Number: <u>045-20714</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423273</u>	Type: <u>WELL</u>	API Number: <u>045-20715</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423274</u>	Type: <u>WELL</u>	API Number: <u>045-20716</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423275</u>	Type: <u>WELL</u>	API Number: <u>045-20717</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423276</u>	Type: <u>WELL</u>	API Number: <u>045-20718</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423277</u>	Type: <u>WELL</u>	API Number: <u>045-20719</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423278</u>	Type: <u>WELL</u>	API Number: <u>045-20720</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423279</u>	Type: <u>WELL</u>	API Number: <u>045-20721</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423280</u>	Type: <u>WELL</u>	API Number: <u>045-20722</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423281</u>	Type: <u>WELL</u>	API Number: <u>045-20723</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423286</u>	Type: <u>WELL</u>	API Number: <u>045-20724</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423289</u>	Type: <u>WELL</u>	API Number: <u>045-20725</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423290</u>	Type: <u>WELL</u>	API Number: <u>045-20726</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>423298</u>	Type: <u>WELL</u>	API Number: <u>045-20728</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>

Facility ID:	423299	Type:	WELL	API Number:	045-20729	Status:	PR	Insp. Status:	RI
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**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? Pass

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

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

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1003b. Area no longer in use? FailProduction areas stabilized ? Fail

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

1003d. Drilling pit closed? PassSubsidence over on drill pit? Pass

Cuttings management: \_\_\_\_\_

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

Segregated soils have been replaced? \_\_\_\_\_

**RESTORATION AND REVEGETATION**Cropland

Top soil replaced \_\_\_\_\_

Recontoured \_\_\_\_\_

Perennial forage re-established \_\_\_\_\_

Non-CroplandTop soil replaced FailRecontoured Fail80% Revegetation Fail

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? P

Comment

Location Footprint has not been reduced; Refer to 2A Doc#400153914 "Estimated date that Interim Reclamation will begin 4/1/13: Size of location after interim reclamation in acres: 2.30" Steep Fill Slopes have not successfully revegetated. Refer to Inspector Comments, Photos and Doc attached for more detail.

Corrective Action

Shrink Location for Interim Reclamation as per COGCC 1003 Series Rules. Install Reclamation in Areas no longer needed for Use, Production, Drilling or Subsequent Operations; including Failed Fill Slopes in revegetation plans; installing appropriate BMPs to Stabilize Areas until Vegetation establishes. Reclamation Activities should be complete by 6/15/2017.

Date 06/15/2017Overall 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 <input type="checkbox"/>	Multi-Well Location <input type="checkbox"/>

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Compaction	Pass					
Berms	Pass					
Seeding	Fail					
Ditches	Pass					
Gravel	Pass					

Comment:	Seeding has failed on most Steep Areas of Fill Slopes; rill erosion, Material Migration is occurring.	
Corrective Action:	Revegetate Failed areas of Fill Slopes; incorporating with Interim Reclamation Activities. Install Appropriate BMPs to Stabilize until Vegetation establishes.	Date: 06/15/2017

**Pits:** ☒ NO SURFACE INDICATION OF PIT

**COGCC Comments**

Comment	User	Date
<p>Below are excerpts from Doc#400153924: OXY Sensitive Wildlife Habitat: Greater Sage Grouse Production Area: which is used as BMPs in the 2A. The full Document is attached to this Inspection. This Document is very clear on timing and Specifics of Reclamation Activities</p> <ul style="list-style-type: none"> <li>• Phase and concentrate all development activities, so that large areas of undisturbed habitat for wildlife remain and thorough reclamation occurs immediately after development and before moving to new sites. Development should progress at a pace commensurate with reclamation success.</li> <li>• Minimize surface disturbance and fragmentation of greater sage-grouse habitat through use of the smallest facility footprints possible, use of multiple well pads, clustering of roads and pipelines, and the widest possible spacing of surface facilities.</li> </ul> <p>a. Use early and effective reclamation techniques, including interim reclamation to accelerate return of disturbed areas for use by wildlife.</p>	colbyl	12/15/2016

**Attached Documents**

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

Document Num	Description	URL
680101289	INSPECTION APPROVED	<a href="http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4036234">http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4036234</a>
680101353	Wildlife BMPs 2A	<a href="http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4030218">http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4030218</a>
680101354	Inspection Photos	<a href="http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4030219">http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4030219</a>