

**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:

12/13/2016

Submitted Date:

12/14/2016

Document Number:

682501486**FIELD INSPECTION FORM**Loc ID 376781 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num: _____**Status Summary:**

- ☒ THIS IS A FOLLOW UP INSPECTION
- ☒ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED

Operator Information:

OGCC Operator Number: 72085

Name of Operator: PETRO-CANADA RESOURCES (USA) INC

Address: 717 17TH STREET #2900

City: DENVER State: CO Zip: 80031

Findings:

- 4 Number of Comments
- 1 Number of Corrective Actions
- ☒ Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
		sherri.robbs@petro-canada.com	
		sherri.robbs@nbleenergy.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
202796	WELL	PA	06/02/2000	OW	001-08201	DOWNING B 1	RI

General Comment:

This is a follow-up final reclamation and stormwater inspection to inspection doc. #682500936. Any corrective actions from previous inspections that have not been addressed are still applicable. Records show well DA 2013

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

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

Land Use: _____

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? _____

Comment _____

Corrective Action _____

Date _____

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 _____

Corrective Action _____ Date _____

Overall Interim Reclamation**Final Reclamation/ Abandoned Location:**

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

Final Land Use: _____

Reminder: _____

Comment: _____

Well plugged _____ Pit mouse/rat holes, cellars backfilled _____

Debris removed _____ No disturbance /Location never built _____

Access Roads Regraded **Fail** Contoured **Fail** Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed _____ Locations, facilities, roads, recontoured **Fail**

Compaction alleviation _____ Dust and erosion control **Fail**

Non cropland: Revegetated 80% **Fail** 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: Inspection Doc. #682500936 required operator to re-contour location/access roads and reclaim areas that have not achieved uniform desirable perennial vegetative cover. Location and roads have not been re-contoured/regraded. Inspector was unable to find evidence that unvegetated areas have been seeded. Original corrective actions and corrective action dates remain in place.

Corrective Action:	In accordance to landowner recommendations, re-contour the location at the well pad, and the access road from top of hill to the location, per COGCC reclamation requirements. Bare, unvegetated soil within the fenced area may require additional remediation and seeding to achieve uniform vegetative cover. Remediate soils (where and if needed) until soil meets COGCC 910-1 standards. Establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels. Use a seed mixture requested by the landowner. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until Final Reclamation has passed.			Date	11/15/2016
Overall Final Reclamation	Fail	Well Release on Active Location	<input type="checkbox"/>	Multi-Well Location	<input type="checkbox"/>

COGCC Comments

Comment	User	Date
Current access road conditions have created a straight, channelized pathway for stormwater. If not reclaimed per COGCC rules, roads will remain at risk of incision and degradation.	trujilloam	12/14/2016
Following comment taken from Inspection Doc. 682500936	trujilloam	12/14/2016
Documented areas within the fenced area of the location remain unvegetated. Pit and well file documents state location underwent remediation for soils impacted by produced water. Figure 2 in the attached document show large, unvegetated areas within the fenced areas.		
Based on this information, the bare, unvegetated areas within the fenced area are likely due to salt kill from produced water.		
Access road and location have not been re-contoured per reclamation requirements; slopes, ruts and depressions remain evident.		

Attached Documents

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

Document Num	Description	URL
682501486	INSPECTION APPROVED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4033492
682501487	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4027387