

**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:

07/27/2017

Submitted Date:

07/28/2017

Document Number:

675103759**FIELD INSPECTION FORM**
 Loc ID 311698 Inspector Name: Trujillo, Aaron On-Site Inspection ☐ 2A Doc Num:
Operator Information:OGCC Operator Number: 72085Name of Operator: PETRO-CANADA RESOURCES (USA) INCAddress: 717 17TH STREET #2900City: DENVER State: CO Zip: 80031**Status Summary:**

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

Findings:4 Number of Comments1 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
		sherri.robbs@nblenergy.com	
		mkorenblat@suncor.com	
		petrobinson@suncor.com	
		deborah.thomas@hro.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
200042	WELL	PA	05/24/2000	OW	001-05044	NOONEN UPRR 2-B	RI

General Comment:

This is a follow-up final reclamation and stormwater inspection. Any corrective actions from previous inspections that have not been addressed are still applicable.

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: [Drainage w/in rangeland](#)

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 **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. #682501490 required operator to stabilize the location and drainage to prevent further incision and erosion, and to perform reclamation. Location remains unstabilized, further degradation to the area evident. See attached photo documentation. Per previous conversations w/ Noble/Petro-Canada and email correspondence, an extension of 5/31/2017 had been provided to perform the required reclamation. Refer to doc. #2225689. CA and CA date remains in place.](#)

Corrective Action:	Properly select, install and maintain site specific stormwater and sediment control BMPs to prevent further incision and degradation to the intermittent stream. Remediate soils (if needed) within areas of produced water spill 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. Remediation and revegetation activities shall be complete no later than 5/31/2017	Date	05/31/2017
Overall Final Reclamation	Fail	Well Release on Active Location	<input type="checkbox"/>
		Multi-Well Location	<input type="checkbox"/>

COGCC Comments

Comment	User	Date
Well file documents and past NOAVs state produced water had been discharged into drainage/downstream. Approximately 200 yards of intermittent stream, downstream of location remain unvegetated, records indicate this is a result of salt kill due to produced water. Drainage also showing high levels of degradation due to erosion. These areas of disturbance need to be stabilized and reclaimed.	trujilloam	07/28/2017

Attached Documents

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

Document Num	Description	URL
675103760	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4210085