

FORM INSP
Rev 05/11

**State of Colorado
Oil and Gas Conservation Commission**

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



DE	ET	OE	ES
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Inspection Date:
04/29/2015

Document Number:
677700003

Overall Inspection:
SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>434549</u>	<u>434554</u>	<u>Arthur, Denise</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number:	<u>100185</u>
Name of Operator:	<u>ENCANA OIL & GAS (USA) INC</u>
Address:	<u>370 17TH ST STE 1700</u>
City:	<u>DENVER</u> State: <u>CO</u> Zip: <u>80202-</u>

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED
- INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

Contact Information:

Contact Name	Phone	Email	Comment
D, J Basin		cogcc.djinspections@encana.com	

Compliance Summary:

QtrQtr:	<u>SWSE</u>	Sec:	<u>32</u>	Twp:	<u>2N</u>	Range:	<u>68W</u>
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
12/16/2014	668702141	XX	XX	ACTION REQUIRED			No

Inspector Comment:

This a follow up Reclamation inspection to DOC #668702141 regarding a corrective action for topsoil storage location. See comments at the end of the report.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
434549	WELL	XX	10/06/2013	LO	123-38244	HWY 52 4L-32H-O268	XX
434550	WELL	XX	10/06/2013	LO	123-38245	HWY 52 4F-32H-O268	XX
434551	WELL	XX	10/06/2013	LO	123-38246	HWY 52 4D-32H-O268	XX
434552	WELL	XX	10/06/2013	LO	123-38247	HWY 52 4P-32H-O268	XX
434553	WELL	XX	10/06/2013	LO	123-38248	HWY 52 4G-32H-O268	XX
434555	WELL	XX	10/06/2013	LO	123-38249	HWY 52 4I-32H-O268	XX
434556	WELL	XX	10/06/2013	LO	123-38250	HWY 52 4M-32H-O268	XX
434557	WELL	XX	10/06/2013	LO	123-38251	HWY 52 4N-32H-O268	XX
434558	WELL	XX	10/06/2013	LO	123-38252	HWY 52 4E-32H-O268	XX

Inspector Name: Arthur, Denise

434559	WELL	XX	10/06/2013	LO	123-38253	HWY 52 4C-32H-O268	XX	<input type="checkbox"/>
434560	WELL	XX	10/06/2013	LO	123-38254	HWY 52 4O-32H-O268	XX	<input type="checkbox"/>
434561	WELL	XX	10/06/2013	LO	123-38255	HWY 52 4A-32H-O268	XX	<input type="checkbox"/>
434562	WELL	XX	10/06/2013	LO	123-38256	HWY 52 4J-32H-O268	XX	<input type="checkbox"/>
434579	WELL	XX	10/07/2013	LO	123-38268	HWY 52 4B-32H-O268	XX	<input type="checkbox"/>
434580	WELL	XX	10/07/2013	LO	123-38269	HWY 52 4H-32H-O268	XX	<input type="checkbox"/>
434812	WELL	XX	10/22/2013	LO	123-38347	HWY 52 4K-32H-O268	XX	<input type="checkbox"/>

Equipment:

Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>16</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>8</u>	Separators: <u>16</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: <u>28</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location

Emergency Contact Number (S/A/V): _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

Venting:

Yes/No	Comment

Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 434549

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/AV: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Operator responded to the corrective action by e-mailing Gary Hegeland which satisfies the CA. See COGCC comments at the end of the report.

Form 2A COAs:

Group	User	Comment	Date
OGLA	youngr	The tank battery shall be constructed using a liner.	08/19/2013

S/AV: _____ **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

S/AV: _____ **Comment:** _____

CA: _____ **Date:** _____

Stormwater:

Comment: _____

Staking:

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:

Environmental

Spills/Releases:

Type of Spill: _____ Description: _____ Estimated Spill Volume: _____

Comment: _____

Corrective Action: _____ Date: _____

Reportable: _____ GPS: Lat _____ Long _____

Proximity to Surface Water: _____ Depth to Ground Water: _____

Water Well:	Lat	Long
DWR Receipt Num: _____	Owner Name: _____	GPS : _____

Field Parameters: _____

Sample Location: _____

Emission Control Burner (ECB): _____

Comment: _____

Pilot: _____ Wildlife Protection Devices (fired vessels): _____

Reclamation - Storm Water - Pit

Interim Reclamation:

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

Land Use: IRRIGATED

Comment: _____

1003a. Debris removed? _____ CM _____

CA _____ CA Date _____

Waste Material Onsite? _____ CM _____

CA _____ CA Date _____

Unused or unneeded equipment onsite? _____ CM _____

CA _____ CA Date _____

Pit, cellars, rat holes and other bores closed? _____ CM _____

CA _____ CA Date _____

Guy line anchors removed? _____ CM _____

CA _____ CA Date _____

Guy line anchors marked? _____ CM _____

CA _____ CA 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 REVEGETATION

Cropland

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

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003 f. Weeds Noxious weeds? _____

Comment: _____

Overall Interim Reclamation _____

Final Reclamation/ Abandoned Location:

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

Final Land Use: IRRIGATED _____

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 _____

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

S/A/V: _____ Corrective Date: _____

Comment: _____

CA: _____

Pits: NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
The operator responded to the Inspector that the topsoil was not salvaged because of landowner preference. This is not allowed by the rule if this was the reason for not salvaging the topsoil without an official variance request. Later it was indicated by the operator the pad was built without "excavation" of the soil. It was not clear to the inspector on the previous inspection # 668702141 whether the topsoil was excavated or the site was leveled which would indicate that excavation took place. It appears that the subsoil was placed directly on top of the topsoil without delineation of where the subsoil begins and ends. This method of pad construction generally is not considered by COGCC to be protective of topsoil nor can this method ensure protection of the topsoil. Many loads of subsoil would need to be brought in by large equipment to place it on top of the topsoil which very likely overly compacted the topsoil which leads to soil structure loss. When the soil is exposed during final reclamation the damage to the soil structure could lead a degraded soil structure and this degradation could lead to impediment of water infiltration, pore space reduction leading to soil aeration issues, and lack of root channel pathways for root growth. Decompaction of the soil will help these issues however once the soil structure is lost the topsoil structure has been permanently degraded by the activity. Additionally, burying the topsoil under 4-5 feet of soil will degrade the topsoil by causing a loss of microbial activity and loss of potential native seed sources.	arthurd	04/29/2015

Attached Documents

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

Document Num	Description	URL
677700003	INSPECTION APPROVED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3600059