

**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:  
11/03/2014

Document Number:  
674101637

Overall Inspection:  
SATISFACTORY

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>242838</u>	<u>336330</u>	<u>Rickard, Jeffrey</u>	<input type="checkbox"/>	

**Operator Information:**

OGCC Operator Number:	<u>100185</u>
Name of Operator:	<u>ENCANA OIL &amp; 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
		<u>cogcc.djinspections@encana.com</u>	<u>Group email</u>

**Compliance Summary:**

QtrQtr: NWNW Sec: 7 Twp: 2N Range: 67W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
01/19/2011	200294620	PR	PR	SATISFACTORY	I		No
01/14/2010	200236368	PR	PR	<b>ACTION REQUIRED</b>			Yes
12/17/2003	200047759	PR	PR	SATISFACTORY		Pass	No
10/18/2000	200010637	PR	PR	SATISFACTORY		Pass	No
02/03/1998	500165867	PR	PR				
06/16/1995	500165866	PR	PR			Pass	No

**Inspector Comment:**

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
242838	WELL	PR	11/19/1982	GW	123-10629	WANDELL C UNIT 1	PR	<input checked="" type="checkbox"/>
291664	WELL	PR	01/18/2011	GW	123-26121	WANDELL 4-0-7	PR	<input checked="" type="checkbox"/>
435121	WELL	XX	11/22/2013	LO	123-38477	Wandell 2G-7H D267	XX	<input type="checkbox"/>
435122	WELL	XX	11/22/2013	LO	123-38478	Wandell 2B-7H D267	XX	<input type="checkbox"/>
435123	WELL	XX	11/22/2013	LO	123-38479	Wandell 2D-7H D267	XX	<input type="checkbox"/>
435124	WELL	XX	11/22/2013	LO	123-38480	Wandell 2F-7H D267	XX	<input type="checkbox"/>
435125	WELL	XX	11/22/2013	LO	123-38481	Wandell 2C-7H D267	XX	<input type="checkbox"/>

435126	WELL	XX	11/22/2013	LO	123-38482	Wandell 2A-7H D267	XX	<input type="checkbox"/>
435127	WELL	XX	11/22/2013	LO	123-38483	Wandell 2E-7H D267	XX	<input type="checkbox"/>

**Equipment:** Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>9</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>5</u>	Separators: <u>10</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: <u>12</u>	Oil Tanks: <u>16</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
NO	

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 242838

**Site Preparation:**  
 Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/A/V:** \_\_\_\_\_  
 Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**  
**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_  
**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Wildlife BMPs:**

BMP Type	Comment
<p>Planning</p>	<p>Maximize equipment and wellhead setbacks from occupied buildings and residences to the extent feasible and practicable within the proposed location.</p> <p>Prior to commencement of operations, provide notification to landowners within one-half mile of the site.</p> <p>c. Prior to commencement of drilling and completion operations, provide to a Firestone designated staff member the following for the well site for informational purposes only, which Encana may revise from time to time during operations:</p> <p>i. A summary of planned operations, including identified access points and operational timeline, for posting to a local community information web-page.</p> <p>ii. A site plan including final reclamation of the site</p> <p>1. We will work with Firestone to establish landscaping/visual mitigation.</p> <p>iii. A plan for noise, light and dust mitigation, to the extent feasible</p> <p>1. Noise and light - We will perform a baseline noise survey prior to construction and will install temporary sound walls to minimize noise and light impacts during drilling and completions. We will install permanent noise mitigation at the facility location as necessary to meet all COGCC regulations.</p> <p>2. Dust - The access road location will be maintained at regular intervals with water and/or mag chloride to minimize dust during the construction and drilling/completions phases and as necessary during routine visits from pumper trucks or other maintenance vehicles. We utilize closed-loop dust control protocols to manage and minimize dust associated with the use of sand during the completions phase and will apply crushed asphalt or tracking mats along entire length of the access road (this will aid with dust control/mud tracking).</p> <p>iv. A traffic management plan</p> <p>1. We plan to engage Firestone and Weld County and conduct a traffic study to evaluate / optimize access routes with consideration of road limitations, school/ neighborhood impacts, parks, trails/bike paths, railroad crossing.</p> <p>2. To the extent feasible, limit traffic to occur in certain time frames (for example: outside of school drop-off/pick-up times).</p> <p>3. Traffic control measures such as a stop sign/no left hand turn sign will be placed at the access road entrance. We will use pilot cars/flaggers/signage/communication devices when moving overweight/oversize loads to/from location.</p> <p>4. To the extent feasible, we will draw water to be used during the drilling and completions phases from a local fire hydrant and store the water on-site to reduce truck traffic.</p> <p>v. Updates of this information if any plans change during operations</p> <p>d. Utilize steel-rim berms around tanks and separators instead of sand or soil berms. Utilize lined berms for all liquid storage tanks.</p> <p>e. Utilize closed-loop systems for drilling and completion operations</p> <p>f. Utilize a high-low pressure vessel (HLP) and vapor recovery unit (VRU) for the newly drilled wells for at least the first year of production.</p>
<p>Community Outreach and Notification</p>	<p>We will work with Firestone to re-route the user trail as necessary to avoid the temporary and permanent disturbance areas. We will provide 24 hour/day site security at the access road entrance and will fence off the entire length of the access road. We will employ a gate guard during drilling and completions activities to help monitor the access to the pad.</p> <p>The temporary sound walls will be installed around the entire perimeter of the drilling and temporary completions area to further secure the site. Permanent fencing will be installed around the permanent equipment upon conclusion of the drilling and completion operations.</p>

**Community Outreach and Notification**

Encana is committed to protecting the health and safety of all individuals affected by our activities. Our goal to minimize the impact our activities have on area residents to the greatest extent practicable. We acknowledge Coal Ridge Middle School is 900' from the site and the closest residential building is 727' away. The previously listed BMPs seek to minimize our impact. We will work with Firestone officials to coordinate the activity schedule for the Wandell location in an effort to further minimize community impact. We will also conduct a community meeting in advance of our operations.

Encana has worked hard to develop strong relationships with the local emergency responder community. Table top exercises, on-site tours and good communication ensure that in the event of an emergency, our efforts are coordinated.

Encana's Emergency Response Plans (ERP) ensure Encana is prepared to respond to emergencies having the potential to compromise the safety of employees and the public, the environment and company property damage. The ERP is based on the National Incident Management System (NIMS) and describes the functional roles and accountabilities for life safety, property damage, and environmental impacts. The ERP also describes the communication and notification protocols to engage local emergency responder support, based on the nature and complexity of the emergency. Some of the ERP details include making the facility and immediate surrounding area safe (people first, then property), isolating the area, establishing and maintaining adequate communication with appropriate governmental agencies (fire, police, and public officials) and to clarify our collective responsibilities.

**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:**

\_\_\_\_\_

**Facility**

Facility ID: 242838 Type: WELL API Number: 123-10629 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Braden head is exposed at surface.

CA: \_\_\_\_\_

CA Date: \_\_\_\_\_

Facility ID: 291664 Type: WELL API Number: 123-26121 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Braden head is exposed at surface.

CA: \_\_\_\_\_

CA Date: \_\_\_\_\_

**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:**

DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS: Lat \_\_\_\_\_ Long \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

Emission Control Burner (ECB): Y \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: ON \_\_\_\_\_ Wildlife Protection Devices (fired vessels): YES \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: RECREATIONAL

Comment: \_\_\_\_\_

1003a. Debris removed? Pass CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Waste Material Onsite? Pass CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Guy line anchors removed? Pass CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Guy line anchors marked? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? Pass Production areas stabilized ? Pass  
 1003c. Compacted areas have been cross ripped? Pass  
 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: RECREATIONAL

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

Inspector Name: Rickard, Jeffrey

S/A/V: SATISFACTOR Corrective Date: \_\_\_\_\_  
Y \_\_\_\_\_

Comment: \_\_\_\_\_

CA: \_\_\_\_\_

**Pits:**  NO SURFACE INDICATION OF PIT