

**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



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Inspection Date:

07/31/2013

Document Number:

670200716

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	432265	432265	BURGER, CRAIG	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 100185 Name of Operator: ENCANA OIL & GAS (USA) INCAddress: 370 17TH ST STE 1700City: DENVERState: COZip: 80202-**Contact Information:**

Contact Name	Phone	Email	Comment
Inspections, General		cogcc.inspections@encana.com	
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor

**Compliance Summary:**QtrQtr: NWSE Sec: 6 Twp: 8S Range: 92W**Inspector Comment:**

Location under construction. Stormwater BMP's in place. Gravel being placed over geogrid on pad. Soilmec SR-30 drill rig drilling holes for 16" steel conductor pipes. Pipeline installation underway.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
432268	WELL	XX	03/20/2013		045-21936	HMU 6-15A (J6SEB)	<input checked="" type="checkbox"/>
432269	WELL	XX	03/20/2013		045-21937	HMU 6-13AA (J6SEB)	<input checked="" type="checkbox"/>
432272	WELL	XX	03/20/2013		045-21938	HMU 6-11A (J6SEB)	<input checked="" type="checkbox"/>
432277	WELL	XX	03/20/2013		045-21939	HMU 6-12D (J6SEB)	<input checked="" type="checkbox"/>
432280	WELL	XX	03/20/2013		045-21940	HMU 6-15AA (J6SEB)	<input checked="" type="checkbox"/>
432281	WELL	XX	03/20/2013		045-21941	HMU 6-13A (J6SEB)	<input checked="" type="checkbox"/>
432282	WELL	XX	03/20/2013		045-21942	HMU 6-12DD (J6SEB)	<input checked="" type="checkbox"/>
432283	WELL	XX	03/20/2013		045-21943	HMU 6-13D (J6SEB)	<input checked="" type="checkbox"/>
432284	WELL	XX	03/20/2013		045-21944	HMU 6-15D (J6SEB)	<input checked="" type="checkbox"/>

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>18</u>	Production Pits: _____
Condensate Tanks: <u>6</u>	Water Tanks: _____	Separators: <u>18</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

Inspector Name: BURGER, CRAIG

<b>Signs/Marker:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
DRILLING/RECOMP	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory Corrective Date: \_\_\_\_\_  
Comment: \_\_\_\_\_  
Corrective Action: \_\_\_\_\_

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

<b>Venting:</b>			
Yes/No	Comment		

<b>Flaring:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 432265

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_  
Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	kubeczko	<p>SITE SPECIFIC COAs:</p> <p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines</p> <p>Operator must ensure 110 percent secondary containment for any volume of fluids (excluding freshwater) contained at well site during drilling and completion operations (as shown on the Construction Layout Drawings attachment); including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.</p> <p>The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if drill cuttings are to remain/disposed of onsite, they must also meet the applicable standards of table 910-1.</p> <p>Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) located on the well pad; or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p>	03/06/2013

**Comment:** Notifications received by COGCC for conductor pipe installation. Site berm in place. No flowback on location at time of inspection.

**CA:**

**Date:**

**Wildlife BMPs:**

BMP Type	Comment
Construction	<p>Not all are used all the time</p> <p>Terminal Containment, Diversions, Run-On Protection, Tracking, Benching, Terracing, ECM (Erosion Control Mulch), ECB (Erosion Control Blanket), Check Dams, Seeding, Mulching, Water Bars, Stabilized Unpaved Surfaces (Gravel), Stormwater &amp; Snow Storage Containment, Scheduling, Phased Construction, Temporary Flumes, Culverts with inlet &amp; outlet protection, Rip Rap, TRM (Turf Reinforcement Mats), Maintenance, Scheduling, Phased Construction, Fueling BMP's, Waste Management BMP's, Materials Handling BMP's</p>

Wildlife	<p>Minimize the number, length and footprint of oil &amp; gas development roads          Use existing routes where possible          Combine utility infrastructure planning (gas, electric &amp; water) when possible with roadway planning to avoid separate utility corridors          Coordinate Employee transport when possible</p> <p>Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors. Maximize use of state-of-the-art drilling technology (e.g., high efficiency rigs, coiled-tubing unit rigs, closed-loop or pitless drilling, etc.) to minimize disturbance.</p> <p>Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.</p>
Interim Reclamation	<p>Maintenance          Revegetation Monitoring          BMP maintenance &amp; monitoring          Weed Management</p>
Storm Water/Erosion Control	<p>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions &amp; ROP's),          Scheduling, Phased Construction</p>

**Comment:** Construction BMP's in place. Diesel fuel stored inside secondary containment.**CA:**  **Date:** **Stormwater:**

Erosion BMPs	Present	Other BMPs	Present
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Corrective Action:  Date: Comments: Erosion BMPs: Other BMPs: **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**

Inspector Name: BURGER, CRAIG

Facility ID: 432268	Type: WELL	API Number: 045-21936	Status: XX	Insp. Status: ND
Facility ID: 432269	Type: WELL	API Number: 045-21937	Status: XX	Insp. Status: ND
Facility ID: 432272	Type: WELL	API Number: 045-21938	Status: XX	Insp. Status: ND
Facility ID: 432277	Type: WELL	API Number: 045-21939	Status: XX	Insp. Status: ND
Facility ID: 432280	Type: WELL	API Number: 045-21940	Status: XX	Insp. Status: ND
Facility ID: 432281	Type: WELL	API Number: 045-21941	Status: XX	Insp. Status: ND
Facility ID: 432282	Type: WELL	API Number: 045-21942	Status: XX	Insp. Status: ND
Facility ID: 432283	Type: WELL	API Number: 045-21943	Status: XX	Insp. Status: ND
Facility ID: 432284	Type: WELL	API Number: 045-21944	Status: XX	Insp. Status: ND

**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: RANGELAND

Comment: Drilling not complete.

1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_

Inspector Name: BURGER, CRAIG

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: 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 \_\_\_\_\_

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

Corrective Action: \_\_\_\_\_ Date \_\_\_\_\_

Overall Final Reclamation \_\_\_\_\_ Multi-Well Location ☐

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Check Dams	Pass	Ditches	Pass			
Waddles	Pass					
Gravel						
Rip Rap	Pass					
Retention Ponds	Pass					
Ditches	Pass					
Berms	Pass	Culverts	Pass	MHSP	Pass	
Hydro Mulch	Pass					
Compaction	Pass	Rip Rap	Pass			

S/U/V: Satisfactory Corrective Date: \_\_\_\_\_Comment: Culvert provided at stream crossing that was a low water crossing on access road.

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

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

Document Num	Description	URL
670200716	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3163838">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3163838</a>