

**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
----	----	----	----

Inspection Date:

04/18/2013

Document Number:

670200353

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>431049</u>	<u>431050</u>	<u>BURGER, CRAIG</u>	<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
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor
Inspections, General		cogcc.inspections@encana.com	

Compliance Summary:QtrQtr: SWSE Sec: 19 Twp: 7S Range: 92W**Inspector Comment:**

Rig demobilization beginning.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
431042	WELL	DG	01/20/2013		045-21831	Shideler 30-1B (O19EB)	<input type="checkbox"/>
431043	WELL	DG	01/25/2013		045-21832	Shideler 19-14D (O19EB)	<input type="checkbox"/>
431044	WELL	DG	01/22/2013		045-21833	Shideler 30-1C (O19EB)	<input type="checkbox"/>
431045	WELL	DG	01/29/2013		045-21834	Shideler 30-2C (O19EB)	<input type="checkbox"/>
431046	WELL	DG	01/29/2013		045-21835	Shideler 30-3A (O19EB)	<input type="checkbox"/>
431047	WELL	DG	01/17/2013		045-21836	Shideler Federal 19-13D (O19EB)	<input type="checkbox"/>
431048	WELL	DG	01/23/2013		045-21837	Shideler 30-8B (O19EB)	<input type="checkbox"/>
431049	WELL	DG	01/14/2013		045-21838	Shideler 19-16C (O19EB)	<input checked="" type="checkbox"/>
431051	WELL	DG	01/26/2013		045-21839	Shideler 30-7A (O19EB)	<input type="checkbox"/>
431052	WELL	DG	01/19/2013		045-21840	Shideler 30-4A (O19EB)	<input type="checkbox"/>
431053	WELL	DG	01/27/2013		045-21841	Shideler 30-3B (O19EB)	<input type="checkbox"/>
431054	WELL	DG	01/18/2013		045-21842	Shideler 19-16CC (O19EB)	<input type="checkbox"/>

Equipment:**Location Inventory**

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>24</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: <u>3</u>	Separators: <u>27</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: <u>1</u>
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>1</u>	Fuel Tanks: _____

Location**Signs/Marker:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
DRILLING/RECOMP	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

Type	Area	Volume	Corrective action	CA Date
------	------	--------	-------------------	---------

☐ Multiple Spills and Releases?**Venting:**

Yes/No	Comment

Flaring:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Field Flare	Satisfactory			

Predrill

Location ID: 431050

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

Corrective Action: _____

Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	<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 or buried pipelines.</p> <p>The access road will be constructed to prevent sediment migration from the access road to nearby surface water or any drainages leading to other nearby surface waters or wetlands areas.</p> <p>Operator must ensure secondary containment for any volume of fluids 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 the drill cuttings are to be left 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>	11/28/2012

Comment: Notification to COGCC were sent in a timely manner. Access road stormwater BMP's in place. Secondary containment in place for fluids contained on site. Location perimeter berm has a tension crack that may indicate insufficient compaction. Drill cuttings moisture content appeared adequately low. No completions or flowback operations at time of inspection.

CA:

Date:

Wildlife BMPs:

BMP Type	Comment
Wildlife	<p>Minimize the number, length and footprint of oil & gas development roads Use existing routes where possible Combine utility infrastructure planning (gas, electric & 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 & monitoring Weed Management</p>
Construction	<p>(Not all are used all the time) 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 & Snow Storage Containment, Scheduling, Phased Construction, Temporary Flumes, Culverts with inlet & outlet protection, Rip Rap, TRM (Turf Reinforcement Mats), Maintenance, Scheduling, Phased Construction, Fueling BMP's, Waste Management BMP's, Materials Handling BMP's</p>
Pre-Construction	<p>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions & ROP's), Scheduling, Phased Construction</p>

Comment: Existing road to pad located above drill pad used for access.

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:

Inspector Name: BURGER, CRAIG

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

Facility

Facility ID: 431049 Type: WELL API Number: 045-21838 Status: DG Insp. Status: DG

Well Drilling

Rig: Rig Name: Patterson 308 Pusher/Rig Manager: _____
Permit Posted: Satisfactory Access Sign: Satisfactory

Well Control Equipment:

Pipe Ram: _____ Blind Ram: _____ Hydril Type: _____
Pressure Test BOP: _____ Test Pressure PSI: _____ Safety Plan: _____

Drill Fluids

Management:

Lined Pit: NO Unlined Pit: YES Closed Loop: YES Semi-Closed Loop: _____
Multi-Well: YES Disposal Location: _____

Comment:

On site cuttings disposal. Mixing with wood chips to reduce moisture content.

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: _____

Waste Management:

Type	Management	Condition	Comment	GPS (Lat)	(Long)
Drill Cuttings	Piles	Adequate	On site burial planned.		

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: _____

Inspector Name: BURGER, CRAIG

Land Use: RANGELAND

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: 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

Inspector Name: BURGER, CRAIG

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
Berms	Pass	Ditches	Pass	MHSP	Pass	
Ditches	Pass	Culverts	Pass			
Culverts	Pass	Rip Rap	Pass			
Sediment Traps	Pass	Sediment Traps	Pass			

S/U/V: **Unsatisfactory**

Corrective Date: **05/20/2013**

Comment: A tension crack is forming in the location berm that may be due to inadequate compaction.
Sediment transport is occurring near the location entrance where turning trucks have created mud adjacent to the road.
Snow on site prevented complete inspection.

CA: Provide adequate stormwater and erosion control BMP's.