

**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:

10/07/2013

Document Number:

670200929

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:

Name of Operator: ENCANA OIL & GAS (USA) INCAddress: 370 17TH ST STE 1700City: DENVER State: CO Zip: 80202-

- ☐ 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
Inspections, General		cogcc.inspections@encana.com	
AHLSTRAND, DENNIS		dennis.ahlstrand@state.co.us	
Kruckenber, Lindsey	(970) 285-2711	Kruckenber@Encana.com	Vegetation
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor

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

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
04/18/2013	670200353	DG	DG	S			N

Inspector Comment:

Wells 045-22131 and 045-22132 are linked to this location but are located in Section 8 5S 98W. Wells on this pad have been completed and are producing but were shut in at time of inspection.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
276500	WELL	AL	04/25/2006	LO	045-10478	CASCADE CREEK 697-20-50	AL	<input type="checkbox"/>
431042	WELL	DG	01/20/2013		045-21831	Shideler 30-1B (O19EB)	SI	<input checked="" type="checkbox"/>
431043	WELL	DG	01/25/2013		045-21832	Shideler 19-14D (O19EB)	SI	<input checked="" type="checkbox"/>
431044	WELL	DG	01/22/2013		045-21833	Shideler 30-1C (O19EB)	SI	<input checked="" type="checkbox"/>
431045	WELL	DG	01/29/2013		045-21834	Shideler 30-2CX (O19EB)	SI	<input checked="" type="checkbox"/>
431046	WELL	DG	01/29/2013		045-21835	Shideler 30-3A (O19EB)	SI	<input checked="" type="checkbox"/>
431047	WELL	DG	01/17/2013		045-21836	Shideler Federal 19-13D (O19EB)	SI	<input checked="" type="checkbox"/>
431048	WELL	DG	01/23/2013		045-21837	Shideler 30-8B (O19EB)	SI	<input checked="" type="checkbox"/>
431049	WELL	DG	01/14/2013		045-21838	Shideler 19-16C (O19EB)	SI	<input checked="" type="checkbox"/>
431051	WELL	DG	01/26/2013		045-21839	Shideler 30-7A (O19EB)	SI	<input checked="" type="checkbox"/>

431052	WELL	DG	01/19/2013		045-21840	Shideler 30-4A (O19EB)	SI	X
431053	WELL	DG	01/27/2013	OW	045-21841	Shideler 30-3B (O19EB)	SI	X
431054	WELL	DG	01/18/2013		045-21842	Shideler 19-16CC (O19EB)	SI	X
433443	WELL	XX	06/28/2013		045-22071	Shideler Federal 19-13A (O19EB)	ND	X
433444	WELL	XX	06/28/2013		045-22072	Shideler Federal 19-12C (O19EB)	ND	X
433445	WELL	XX	06/28/2013		045-22073	Shideler 19-16BB (O19EB)	ND	X
433446	WELL	XX	06/28/2013		045-22074	Shideler 19-6C (O19EB)	ND	X
433447	WELL	XX	06/28/2013		045-22075	Shideler Federal 19-12A (O19EB)	ND	X
433448	WELL	XX	06/28/2013		045-22076	Shideler Federal 19-12D (O19EB)	ND	X
433449	WELL	XX	06/28/2013		045-22077	Shideler 19-9C (O19EB)	ND	X
433450	WELL	XX	06/28/2013		045-22078	Shideler 19-11DD (O19EB)	ND	X
433451	WELL	XX	06/28/2013		045-22079	Shideler 19-11D (O19EB)	ND	X
433471	WELL	XX	07/02/2013		045-22080	Shideler Federal 19-13AA (O19EB)	ND	X
433630	WELL	XX	07/21/2013		045-22099	Shideler 19-16B (O19EB)	ND	X
433661	WELL	XX	07/21/2013		045-22104	Shideler 19-9B (O19EB)	ND	X
433863	WELL	DG	09/29/2013		045-22131	SKR 598-08-BV 04	DG	
433864	WELL	DG	09/08/2013		045-22132	SKR 598-08-BV 02	DG	

Equipment:Location Inventory

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

Location**Signs/Marker:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
BATTERY	Satisfactory			
WELLHEAD	Unsatisfactory	No signs on wellheads.	Install sign to comply with rule 210.	10/28/2013
TANK LABELS/PLACARDS	Unsatisfactory	Frac tanks and rolloff tank connected to bradenheads of wells are not labeled.	Install sign to comply with rule 210.	10/28/2013

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

Corrective Date: _____

Comment: _____

Inspector Name: BURGER, CRAIG

Corrective Action:

Good Housekeeping:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
UNUSED EQUIPMENT	Satisfactory	Portable frac/flowback tanks and other equipment in process of being removed from location.		

Spills:

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

Equipment:

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Gathering Line	1	Satisfactory			
Gas Meter Run	5	Satisfactory			
Emission Control Device	1	Satisfactory			
Vertical Heated Separator	12	Satisfactory			
Bird Protectors	5	Satisfactory			
Plunger Lift	12	Satisfactory			
Horizontal Heated Separator	2	Satisfactory	Wells on location 334790 to the west.		
FWKO	1	Satisfactory			

Facilities:

☐ New Tank

Tank ID: _____

Contents	#	Capacity	Type	SE GPS
METHANOL	1	1000 GAL	STEEL AST	,

S/U/V:	Satisfactory	Comment:	same berm as 500 bbl tanks
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Corrective Action:		Corrective Date:	
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Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
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Comment	
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Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	6	500 BBLS	STEEL AST	39.425800,-107.705550	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action: _____				Corrective Date: _____	
Paint					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
Berms					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					
Venting:					
Yes/No		Comment			
YES		Bradens of 045-21836, 045-21838, 045-21831, and 045-21839 vented to rolloff tank.			
Flaring:					
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date	
Ignitor/Combustor	Satisfactory				

Predrill

Location ID: 431049

Site Preparation:

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

S/U/V: _____

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

S/U/V: _____ **Comment:** Discolored liquids are present in greater than de minimis amounts at the base of the cuttings pile.

CA: Prevent fluids leaching from drill cuttings from accumulating on pad or leaving location. Ensure that the lease operator understands the SOP for removing liquids from cuttings area. Send vac truck to location and have liquids removed from cuttings area immediately and when identified in the future. Provide vac truck tickets to inspector. **Date:** 10/28/2013

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>

S/U/V: _____ **Comment:** Location utilizes existing road to pad to west.

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: 431042	Type: WELL	API Number: 045-21831	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: _____

Facility ID: 431043	Type: WELL	API Number: 045-21832	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: _____

Facility ID: 431044	Type: WELL	API Number: 045-21833	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: _____

Facility ID: 431045	Type: WELL	API Number: 045-21834	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: _____

Facility ID: 431046	Type: WELL	API Number: 045-21835	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: _____

Facility ID: 431047	Type: WELL	API Number: 045-21836	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: _____

Facility ID: 431048	Type: WELL	API Number: 045-21837	Status: DG	Insp. Status: SI
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Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
S/V: Satisfactory CA Date: _____
CA: _____
Comment: _____

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

Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
S/V: Satisfactory CA Date: _____
CA: _____
Comment: _____

Facility ID: 431051 Type: WELL API Number: 045-21839 Status: DG Insp. Status: SI

Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
S/V: Satisfactory CA Date: _____
CA: _____
Comment: _____

Facility ID: 431052 Type: WELL API Number: 045-21840 Status: DG Insp. Status: SI

Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
S/V: Satisfactory CA Date: _____
CA: _____
Comment: _____

Facility ID: 431053 Type: WELL API Number: 045-21841 Status: DG Insp. Status: SI

Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
S/V: Satisfactory CA Date: _____
CA: _____
Comment: _____

Facility ID: 431054 Type: WELL API Number: 045-21842 Status: DG Insp. Status: SI

Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
S/V: Satisfactory CA Date: _____
CA: _____
Comment: _____

Facility ID: 433443 Type: WELL API Number: 045-22071 Status: XX Insp. Status: ND

Facility ID: 433444 Type: WELL API Number: 045-22072 Status: XX Insp. Status: ND

Inspector Name: BURGER, CRAIG

Facility ID:	433445	Type:	WELL	API Number:	045-22073	Status:	XX	Insp. Status:	ND
Facility ID:	433446	Type:	WELL	API Number:	045-22074	Status:	XX	Insp. Status:	ND
Facility ID:	433447	Type:	WELL	API Number:	045-22075	Status:	XX	Insp. Status:	ND
Facility ID:	433448	Type:	WELL	API Number:	045-22076	Status:	XX	Insp. Status:	ND
Facility ID:	433449	Type:	WELL	API Number:	045-22077	Status:	XX	Insp. Status:	ND
Facility ID:	433450	Type:	WELL	API Number:	045-22078	Status:	XX	Insp. Status:	ND
Facility ID:	433451	Type:	WELL	API Number:	045-22079	Status:	XX	Insp. Status:	ND
Facility ID:	433471	Type:	WELL	API Number:	045-22080	Status:	XX	Insp. Status:	ND
Facility ID:	433630	Type:	WELL	API Number:	045-22099	Status:	XX	Insp. Status:	ND
Facility ID:	433661	Type:	WELL	API Number:	045-22104	Status:	XX	Insp. Status:	ND

Environmental

Spills/Releases:

Type of Spill: FLUID Description: Discolored water below Estimated Spill Volume: _____
Comment: _____
Corrective Action: Prevent accumulation of fluids below cuttings pile. Date: 10/30/2013
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: RANGELAND

Comment: Recently completed.

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 REVEGETATIONCropland

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 _____		Well Release on Active Location <input type="checkbox"/>		Multi-Well Location <input type="checkbox"/>		
Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Hydro Mulch	Pass	Rip Rap	Pass			
Retention Ponds	Pass	Sediment Traps	Pass			
Gravel	Pass	Gravel	Pass			
Ditches	Pass	Ditches	Fail			
Berms	Pass	Culverts	Pass			
Waddles	Pass					
Seeding	Pass	Tackifiers	Pass			
S/U/V: Unsatisfactory Corrective Date: 11/20/2013 Comment: Erosion in ditches and erosion rills on cut slopes on access road. CA: Provide and maintain adequate stormwater and erosion control measures.						
Pits: <input type="checkbox"/> NO SURFACE INDICATION OF PIT						