

**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:

06/24/2013

Document Number:

670200594

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection
	<u>431053</u>	<u>431050</u>	<u>BURGER, CRAIG</u>	<input type="checkbox"/> 2A Doc Num: _____

**Operator Information:**

OGCC Operator Number: 100185 Name of Operator: ENCANA OIL & GAS (USA) INC

Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 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: SWSE Sec: 19 Twp: 7S Range: 92W

**Inspector Comment:**

Hydraulic fracturing by Bayou Well Services on 045-21835. Stage 1, 27 perforations from 7094' to 7361'. 16 bioballs dropped. 22,286 bbl stage, no sand. Flowback by FMC on 045-21839.

**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 checked="" 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 type="checkbox"/>
431051	WELL	DG	01/26/2013		045-21839	Shideler 30-7A (O19EB)	<input checked="" 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

Inspector Name: BURGER, CRAIG

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 Mortors: _____	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

Emergency Contact Number: (S/U/V) \_\_\_\_\_

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

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

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

### Spills:

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

### Venting:

Yes/No	Comment
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### Flaring:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
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### 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:** Form 42 received for stimulation operations. BMP's for unintentional release of fluids and sediment migration in place. Location berm in place. Moisture content of cutting appears adequately low. Frac tanks on location for flowback fluids.

**CA:**

**Date:**

**Wildlife BMPs:**

BMP Type	Comment
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>
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 &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>
Pre-Construction	<p>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions &amp; ROP's), Scheduling, Phased Construction</p>

**Comment:** Existing road used to access pad. Van for transport of workers on location.

**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: 431046 Type: WELL API Number: 045-21835 Status: DG Insp. Status: WO

#### Well Stimulation

Stimulation Company: Bayou Well Services

Stimulation Type: HYDRAULIC FRAC

Other:

#### Observation:

Maximum Casing Recorded: 6125 PSI

Tubing: 6125

Surface:

Intermediate:

Production: 125

Instantaneous Shut-In Pressure (ISIP) 2431

Bradenhead Psi: 2

Frac Flow Back:

Fluid:

Gas:

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

#### 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:

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 \_\_\_\_\_

Weeds present \_\_\_\_\_ Subsidence \_\_\_\_\_

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

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

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

Inspector Name: BURGER, CRAIG

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Slope Roughening	Pass					
Ditches	Pass	Ditches				
Seeding	Pass					
Waddles	Pass	Tackifiers				
Berms	Pass	Culverts	Fail	MHSP	Pass	
Tackifiers	Pass	Rip Rap				

S/U/V: Satisfactory                      Corrective Date: \_\_\_\_\_

Comment: 

One culvert on access road has an end crushed.  
Tackifiers applied by entrance to pad where vehicle tracking was occurring during springtime.

CA: