

**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:

07/22/2013

Document Number:

668100203

Overall Inspection:

**Unsatisfactory****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	324286	324286	KELLERBY, SHAUN	<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
Contact, General		cogcc.inspections@encana.com	
Julie King		jjking@blm.gov	

**Compliance Summary:**QtrQtr: SESW Sec: 22 Twp: 7S Range: 93W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
274049	WELL	PR	12/03/2012	GW	045-10319	SOURS 22-11 (N22W)	<input checked="" type="checkbox"/>
274050	WELL	AL	10/12/2006	LO	045-10318	FEDERAL 22-14 (N22W)	<input type="checkbox"/>
427161	WELL	PR	01/11/2013	LO	045-21269	MCU 22-13B (N22W)	<input checked="" type="checkbox"/>
427165	WELL	XX	12/30/2011	LO	045-21271	MCU 22-14C (N22W)	<input checked="" type="checkbox"/>
427168	WELL	XX	12/30/2011	LO	045-21273	MCU 22-14A (N22W)	<input checked="" type="checkbox"/>
427171	WELL	PR	11/22/2012	LO	045-21274	MCU 22-13A (N22W)	<input checked="" type="checkbox"/>
427174	WELL	PR	11/18/2012	LO	045-21275	MCU 22-13C (N22W)	<input checked="" type="checkbox"/>
427177	WELL	XX	12/30/2011	LO	045-21276	MCU 22-14B (N22W)	<input checked="" type="checkbox"/>
428268	WELL	PR	11/14/2012	LO	045-21453	MCU FEE 22-12C (N22W)	<input checked="" type="checkbox"/>
428280	WELL	PR	11/27/2012	LO	045-21454	MCU FEE 22-12A (N22W)	<input checked="" type="checkbox"/>
428290	WELL	PR	01/11/2013	LO	045-21455	MCU FEE 22-12B (N22W)	<input checked="" type="checkbox"/>
428293	WELL	PR	11/14/2012	LO	045-21456	MCU FEE 22-11A (N22W)	<input checked="" type="checkbox"/>
430131	WELL	XX	09/06/2012	LO	045-21701	MCU Fee 22-9C (N22W)	<input checked="" type="checkbox"/>
430132	WELL	XX	09/07/2012	LO	045-21702	MCU Fee 22-16C (N22W)	<input checked="" type="checkbox"/>
430134	WELL	XX	09/07/2012	LO	045-21703	MCU Fee 22-9D (N22W)	<input checked="" type="checkbox"/>
430135	WELL	XX	09/07/2012	LO	045-21704	MCU Fee 22-16A (N22W)	<input checked="" type="checkbox"/>
430136	WELL	XX	09/07/2012	LO	045-21705	MCU Fee 22-10A (N22W)	<input checked="" type="checkbox"/>
430137	WELL	XX	09/07/2012	LO	045-21706	MCU Fee 22-16B (N22W)	<input checked="" type="checkbox"/>

**Equipment:****Location Inventory**

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>17</u>	Production Pits: _____
Condensate Tanks: <u>6</u>	Water Tanks: _____	Separators: <u>12</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
WELLHEAD	Satisfactory			
BATTERY	Satisfactory	All battery signs are posted at the separator units on location.		

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

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

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

**Good Housekeeping:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
DEBRIS	Unsatisfactory	Used sand bags, and tubing are present and unused on location.	Remove all debris and equipment for lease.	07/31/2013

**Spills:**

Type	Area	Volume	Corrective action	CA Date
Other		<= 5 bbls	Accumulation of liquids greater than de minimis amounts are present near cuttings stored on location. Remove all liquids from location.	07/31/2013

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

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Horizontal Heated Separator	1	Satisfactory			
Bird Protectors		Satisfactory			
Vertical Heated Separator	7	Satisfactory			
Plunger Lift	8	Satisfactory			

<b>Facilities:</b>		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	1	300 BBLS	STEEL AST	,	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action: _____				Corrective Date: _____	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate			Adequate	
Corrective Action				Corrective Date	
Comment					
<b>Facilities:</b>		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	4	500 BBLS	STEEL AST	,	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action: _____				Corrective Date: _____	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate			Adequate	
Corrective Action				Corrective Date	
Comment					
<b>Venting:</b>					
Yes/No	Comment				
NO					
<b>Flaring:</b>					
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date	
<b><u>Predrill</u></b>					
Location ID: 324286					
<b>Site Preparation:</b>					
Lease Road Adeq.: _____		Pads: _____		Soil Stockpile: _____	
Corrective Action: _____		Date: _____		CDP Num.: _____	

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	kubeczkod	<p><b>SITE SPECIFIC COAs:</b></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, the drill cuttings must also meet the applicable standards of table 910-1.</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>Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations; 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>Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit 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>	10/27/2011

**Comment:** Cogcc Doc # 200370628 COA (5) requires "PREVENT ACCUMULATION OF LIQUIDS" from the cuttings pile on location. Multiple pools of brown colored liquid were present at the base of the cuttings pile on location.. NOAV Doc # 200370628 was issued on 10/23/2012 for accumulation of liquids.

**CA:** Operator will contact (Shaun Kellerby North west Field Inspection Supervisor) by the corrective action date, to provide written documentation of corrective actions and control measures implemented to comply with Condition of approval (5) from Cogcc Doc # 200370628.

**Date:** 08/06/2013

**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>

Inspector Name: KELLERBY, SHAUN

Construction	CONSTRUCTION/RECLAMATION (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
Pre-Construction	PRECONSTRUCTION Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions & ROP's), Scheduling, Phased Construction
Interim Reclamation	POST CONSTRUCTION/RECLAMATION Maintenance Revegetation Monitoring BMP maintenance & monitoring Weed Management

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

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

**Date:** \_\_\_\_\_

**Stormwater:**

Erosion BMPs	Present	Other BMPs	Present

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**

Facility ID: 274049 Type: WELL API Number: 045-10319 Status: PR Insp. Status: PR

Facility ID: 427161	Type: WELL	API Number: 045-21269	Status: PR	Insp. Status: PR
Facility ID: 427165	Type: WELL	API Number: 045-21271	Status: XX	Insp. Status: ND
Facility ID: 427168	Type: WELL	API Number: 045-21273	Status: XX	Insp. Status: ND
Facility ID: 427171	Type: WELL	API Number: 045-21274	Status: PR	Insp. Status: PR
Facility ID: 427174	Type: WELL	API Number: 045-21275	Status: PR	Insp. Status: PR
Facility ID: 427177	Type: WELL	API Number: 045-21276	Status: XX	Insp. Status: ND
Facility ID: 428268	Type: WELL	API Number: 045-21453	Status: PR	Insp. Status: PR
Facility ID: 428280	Type: WELL	API Number: 045-21454	Status: PR	Insp. Status: PR
Facility ID: 428290	Type: WELL	API Number: 045-21455	Status: PR	Insp. Status: PR
Facility ID: 428293	Type: WELL	API Number: 045-21456	Status: PR	Insp. Status: PR
Facility ID: 430131	Type: WELL	API Number: 045-21701	Status: XX	Insp. Status: ND
Facility ID: 430132	Type: WELL	API Number: 045-21702	Status: XX	Insp. Status: ND
Facility ID: 430134	Type: WELL	API Number: 045-21703	Status: XX	Insp. Status: ND
Facility ID: 430135	Type: WELL	API Number: 045-21704	Status: XX	Insp. Status: ND
Facility ID: 430136	Type: WELL	API Number: 045-21705	Status: XX	Insp. Status: ND
Facility ID: 430137	Type: WELL	API Number: 045-21706	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: \_\_\_\_\_

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: \_\_\_\_\_

Inspector Name: KELLERBY, SHAUN

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
Berms	Fail					
Ditches	Fail					

S/U/V: **Unsatisfactory**

Corrective Date: **08/23/2013**

Comment: Erosion is evident on cut slope of location. Erosion is evident on pad surface and down the side of the fill slope on the NW edge of the pad. Erosion is evident at the ditch located at the south edge of the pad, and around the culvert.

CA: Install BMP on lease to prevent erosion as required by COGCC rules.

**COGCC Comments**

Comment	User	Date
Julie King of the BLM silt office has been copied on inspection. Location is on Federal surface, with some fee minerals.	kellerbs	07/22/2013