

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:
07/22/2013

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) INC
 Address: 370 17TH ST STE 1700
 City: DENVER State: CO Zip: 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)	X
274050	WELL	AL	10/12/2006	LO	045-10318	FEDERAL 22-14 (N22W)	
427161	WELL	PR	01/11/2013	LO	045-21269	MCU 22-13B (N22W)	X
427165	WELL	XX	12/30/2011	LO	045-21271	MCU 22-14C (N22W)	X
427168	WELL	XX	12/30/2011	LO	045-21273	MCU 22-14A (N22W)	X
427171	WELL	PR	11/22/2012	LO	045-21274	MCU 22-13A (N22W)	X
427174	WELL	PR	11/18/2012	LO	045-21275	MCU 22-13C (N22W)	X
427177	WELL	XX	12/30/2011	LO	045-21276	MCU 22-14B (N22W)	X
428268	WELL	PR	11/14/2012	LO	045-21453	MCU FEE 22-12C (N22W)	X
428280	WELL	PR	11/27/2012	LO	045-21454	MCU FEE 22-12A (N22W)	X
428290	WELL	PR	01/11/2013	LO	045-21455	MCU FEE 22-12B (N22W)	X
428293	WELL	PR	11/14/2012	LO	045-21456	MCU FEE 22-11A (N22W)	X
430131	WELL	XX	09/06/2012	LO	045-21701	MCU Fee 22-9C (N22W)	X
430132	WELL	XX	09/07/2012	LO	045-21702	MCU Fee 22-16C (N22W)	X
430134	WELL	XX	09/07/2012	LO	045-21703	MCU Fee 22-9D (N22W)	X
430135	WELL	XX	09/07/2012	LO	045-21704	MCU Fee 22-16A (N22W)	X
430136	WELL	XX	09/07/2012	LO	045-21705	MCU Fee 22-10A (N22W)	X
430137	WELL	XX	09/07/2012	LO	045-21706	MCU Fee 22-16B (N22W)	X

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 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

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			

Facilities: <input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type
CONDENSATE	1	300 BBLs	STEEL AST
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			Adequate
Corrective Action				Corrective Date
Comment				

Facilities: <input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type
CONDENSATE	4	500 BBLs	STEEL AST
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			Adequate
Corrective Action				Corrective Date
Comment				

Venting:	
Yes/No	Comment
NO	

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill				
Location ID: 324286				
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>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 & 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>

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

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:

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

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