Inspector Name: BURGER, CRAIG

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

FIELD INSPECTION FORM

DE	ET	OE	ES

Inspection Date: 06/20/2013

Document Number: 670200586

Overall Inspection: Satisfactory

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	423180	422418	BURGER, CRAIG	☐	

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
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor
Inspections, General		cogcc.inspections@encana.com	

Compliance Summary:

QtrQtr: SWSW Sec: 16 Twp: 7S Range: 93W

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
422501	WELL	PR	12/05/2012	LO	045-20585	MCU 21-3B (M16W)	
422504	WELL	PR	01/11/2013	OW	045-20586	MCU 16-13B (M16W)	
422505	WELL	WO		LO	045-20587	MCU 16-13CC (M16W)	
422523	WELL	WO		LO	045-20589	MCU 21-4BB (M16W)	
422525	WELL	DG	05/02/2013	LO	045-20590	MCU 21-4B (M16W)	
422527	WELL	DG	05/04/2013	LO	045-20591	MCU 21-4C (M16W)	
422539	WELL	DG	05/08/2013	LO	045-20595	MCU 21-5B (M16W)	
422567	WELL	DG	05/03/2013	LO	045-20603	MCU 21-4CC (M16W)	
422575	WELL	PR	01/11/2013		045-20606	MCU 16-13A (M16W)	
423173	WELL	PR	01/10/2013	OG	045-20682	MCU Fee 17-9B2 (M16W)	
423175	WELL	PR	01/11/2013	LO	045-20683	MCU Fee 17-9C (M16W)	
423176	WELL	DG	05/01/2013	LO	045-20684	MCU Fee 17-16C	
423177	WELL	PR	03/19/2013	GW	045-20685	MCU Fee 16-12C2 (M16W)	
423178	WELL	PR	01/10/2013	OG	045-20686	MCU Fee 17-9B (M16W)	
423180	WELL	XX	04/12/2013	LO	045-20687	MCU Fee 17-16CC (M16W)	X
423181	WELL	WO	01/31/2013	OW	045-20688	MCU Fee 16-12C (M16W)	
423183	WELL	PR	12/10/2012	LO	045-20689	MCU Fee 16-5C (M16W)	
423184	WELL	XX	04/12/2013	LO	045-20690	MCU 16-13C (M16W)	
423241	WELL	DG	05/07/2013	LO	045-20696	MCU Fee 17-16B	
423260	WELL	PR	11/27/2012	LO	045-20705	MCU Fee 17-9D (M16W)	

Inspector Name: BURGER, CRAIG

Equipment: Location Inventory

Special Purpose Pits:		Drilling Pits:		Wells:	20	Production Pits:	
Condensate Tanks:		Water Tanks:		Separators:	20	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:		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:

Good Housekeeping:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
TRASH	Satisfactory	A few empty water bottles on location. Company man indicated he would have cleaned up and discuss with workers.		

Spills:

Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Fencing/:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
LOCATION	Satisfactory	barbed wire		

Venting:

Yes/No	Comment

Flaring:

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

Predrill

Location ID: 422418

Site Preparation:

Lease Road Adeq.: Pads: Soil Stockpile:

Corrective Action: Date: CDP Num.:

Form 2A COAs:

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Group	User	Comment	Date
OGLA	kubeczkod	GENERAL SITE COAs: Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines. 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. 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. Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 (per Rule 604.a.(4)). Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.	03/09/2011

Comment: Temporary surface pipeline to location.BMP's for fluids in place.Drill cuttings moisture content managed by adding sawdust/wood chips.Berms around storage tanks in place.

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
Interim Reclamation	Maintenance Revegetation Monitoring BMP maintenance & monitoring Weed Management
Wildlife	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 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. Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.

Construction	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	Wattles Silt Fence Vegetation Buffers Slash Topsoil Windrows (diversions & ROP's) Scheduling Phased Construction

Comment: Interim reclamation not begun due to drilling.

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: 423180 Type: WELL API Number: 045-20687 Status: XX Insp. Status: DG

Well Drilling

Rig: Rig Name: Patterson 308 Pusher/Rig Manager:

Permit Posted: Satisfactory Access Sign: Satisfactory

Well Control Equipment:

Pipe Ram: YES Blind Ram: YES Hydril Type: YES

Pressure Test BOP: Test Pressure PSI: Safety Plan: YES

Drill Fluids Management:

Lined Pit: NO Unlined Pit: YES Closed Loop: Semi-Closed Loop:

Multi-Well: YES Disposal Location: Upslope southern side of location.

Comment:

Running production casing at time of inspection.
10,296 ft total depth. Casing at about 8000 ft at time of inspection.
Casing 4 1/2" ID, 11/16 lbs/ft Buttress S-80 grade.

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

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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 _____

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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	Pass	Check Dams	Pass	MHSP	Pass	
Retention Ponds	Pass	Culverts	Pass			
Seeding	Pass	Gravel	Pass			
Ditches	Pass	Waddles	Pass	CM	Pass	
Tackifiers	Pass	Ditches	Pass			
Sediment Traps	Fail	Sediment Traps	Fail			

S/U/V: Unsatisfactory Corrective Date: 07/11/2013

Comment: Sediment trap at western downgradient side of location overflowed and washed out. Outlet needs to be rebuilt and some sediment off location needs to be cleaned up.
Company man stated he would address with BMP workers.
Main Grass Mesa access road BMP's need maintenance.

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