

**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:

12/16/2014

Document Number:

675100744

Overall Inspection:

ACTION REQUIRED**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	414406	419501	GRANAHAN, KYLE	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 100185Name 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
Ryan Tompkins		ryan.tompkins@encana.com	
, Encana		cogcc.inspections@encana.com	
Thompson, Bud		BLThomps@BLM.gov	

Compliance Summary:QtrQtr: SENE Sec: 6 Twp: 3S Range: 96W**Inspector Comment:**

Form 42 notification doc # 400745799

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
413017	PIT	AC	08/18/2009		-	PCU T36-3X 284	AC
414406	WELL	WO	10/10/2014	LO	103-11612	ELU 8908A-6 H06 396	AO
417765	PIT	AC	06/11/2010		-	LIBERTY UNIT 396-6A	AC

Equipment:Location Inventory

Special Purpose Pits: <u>2</u>	Drilling Pits: <u>2</u>	Wells: <u>1</u>	Production Pits: <u> </u>
Condensate Tanks: <u> </u>	Water Tanks: <u> </u>	Separators: <u> </u>	Electric Motors: <u> </u>
Gas or Diesel Mortors: <u> </u>	Cavity Pumps: <u> </u>	LACT Unit: <u> </u>	Pump Jacks: <u> </u>
Electric Generators: <u> </u>	Gas Pipeline: <u> </u>	Oil Pipeline: <u> </u>	Water Pipeline: <u> </u>
Gas Compressors: <u> </u>	VOC Combustor: <u> </u>	Oil Tanks: <u> </u>	Dehydrator Units: <u> </u>
Multi-Well Pits: <u> </u>	Pigging Station: <u> </u>	Flare: <u> </u>	Fuel Tanks: <u> </u>

Location

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	ACTION REQUIRED	(58) 500 bbl frac tanks missing all required labels or labeled wrong. See photos A1,A3,A4	Install sign to comply with rule 210.	01/21/2015

Emergency Contact Number (S/A/V): SATISFACTORY Corrective Date: _____

Comment: Emergency plan and numbers posted in frac trailer.

Corrective Action: _____

Spills:				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

Equipment:					
Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Ancillary equipment	0	SATISFACTORY	(58) 500 bbl frac tanks		

Venting:		Comment	
Yes/No			
NO			

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

PredrillLocation ID: 414406**Site Preparation:**

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

S/A/V: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	Operator must ensure 110 percent 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 sufficiently protective of nearby surface water. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.	09/20/2010

OGLA	kubeczkod	No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.	09/20/2010
OGLA	kubeczkod	Production pits and cuttings pits must be lined.	09/20/2010
OGLA	kubeczkod	The access road will be constructed as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.	09/20/2010
OGLA	kubeczkod	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.	09/20/2010
OGLA	kubeczkod	Either a lined drilling pit or closed loop system must be implemented.	09/20/2010

S/A/V: ACTION**Comment:**

110% secondary containment is not present for frac tanks. A diversion dike is present but nothing is in place in front of the tanks and manifold to divert/contain a spill. Place Secondary containment around all tanks on location, or submit data to the Cogcc documenting that no Hydrocarbons are stored in any tank not inside of source containment. See photos A2 & A5

CA: Comply with COGCC rules and above COA's.**Date:** 01/21/2015**Wildlife BMPs:**

BMP Type	Comment
Storm Water/Erosion Control	SEE ATTACHED.

S/A/V: **Comment:****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: 414406 Type: WELL API Number: 103-11612 Status: WO Insp. Status: AO

Well Stimulation

Stimulation Company: Weatherford

Stimulation Type: HYDRAULIC FRAC

Observation:

Other: _____

Maximum Casing Recorded: 7234 PSI

Tubing: _____

Surface: _____

Intermediate: _____

Production: 7234

Instantaneous Shut-In Pressure (ISIP) 4334

Bradenhead Psi: 0

Frac Flow Back:

Fluid:

Gas:

Workover

Comment: "Flowback"

Flow back will not take place until all frac equipment is moved of location. I have asked Ryan Tompkins with Encana to let me know when a date is decided.

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: OTHER, 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 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: OTHER, 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 ☐ Multi-Well Location ☐

Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Waddles	Pass					
Ditches	Pass					
Berms	Pass					
		Ditches	Pass			
Retention Ponds	Pass					
Slope Roughening	Pass					
		Compaction	Pass			
				MHSP	Pass	Duck ponds in use for chem totes/trailers
				MHSP	Fail	(58) 500bbl frac tanks missing secondary containme

S/A/V: **ACTION REQUIRED** Corrective Date: **01/21/2015**

Comment: Place Secondary containment around all tanks on location, or submit data to the Cogcc documenting that no Hydrocarbons are stored in any tank not inside of source containment. See photos A2 & A5

CA: Comply with COGCC rules

Pits: ☐ NO SURFACE INDICATION OF PIT

Permit:	Facility ID	Permit Num	Expiration Date
	417765	2607196	
	413017	1944648	

COGCC Comments

Comment	User	Date
Weatherford on location to frac well - Scott Pitt on location for Encana Low psi test - 1000psi High test - 9400psi Avg psi during stage 6868psi Max casing psi during stage - 7234psi Bradenhead psi monitored/charted - 0psi ISIP - 4334psi	GranahaK	12/21/2014

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
675100744	INSPECTION APPROVED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3512542
675100788	A1	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3512521
675100789	A2	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3512522
675100790	A3	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3512523
675100791	A4	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3512524
675100792	A5	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3512525

ACTION REQUIRED

ANY ACTION REQUIRED items listed on this report indicate that the oil and gas facility or the oil and gas operations listed on the report may be in violation of the rules and regulations of the Colorado Oil and Conservation Commission (“COGCC”) and corrective action is required.

There is reasonable cause to believe that a violation of the Oil and Gas Conservation Act, or of any rule, regulation, or order of the Commission, or of any permit issued by the Commission, has occurred. The Operator’s compliance with this Inspection Report is required to resolve these alleged violations. This document requires the Operator to timely respond to the COGCC and to comply with directives as listed by the **Corrective Action Deadline Date**. Failure to do so will result in the issuance of a Notice of Alleged Violation and initiation of enforcement proceedings in which COGCC will seek monetary penalties for the alleged violations pursuant to § 34-60-121, C.R.S. and Rule 523, COGCC Rules of Practice and Procedure, 2 CCR 404-1. (Please note that the COGCC's penalty authority was recently increased to a maximum of \$15,000 per day and penalties are no longer capped at a maximum of \$10,000 per violation.)