

**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:

07/22/2014

Document Number:

674700066

Overall Inspection:

ACTION REQUIRED**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	335800	335800	LONGWORTH, MIKE	<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
Inspections, General	970-285-2665	cogcc.inspections@encana.com	
Kellerby, Shaun		shaun.kellerby@state.co.us	

Compliance Summary:QtrQtr: NENE Sec: 15 Twp: 5S Range: 96W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
277115	WELL	PR	01/05/2006	GW	045-10604	N.PARACHUTE WF14D A15 596	PR	<input checked="" type="checkbox"/>
277116	WELL	PA	09/26/2012	LO	045-10605	N.PARACHUTE WF06D A15 596	PA	<input checked="" type="checkbox"/>
277117	WELL	PA	10/03/2012	GW	045-10606	N.PARACHUTE WF03D A15 596	PA	<input checked="" type="checkbox"/>
277783	WELL	PA	09/27/2012	LO	045-10781	N. PARACHUTE WF07B A15 596	PA	<input checked="" type="checkbox"/>
277784	WELL	AB	01/15/2007	LO	045-10780	N. PARACHUTE WF02D A15 596	AL	<input checked="" type="checkbox"/>
277785	WELL	PA	09/26/2012	LO	045-10779	N. PARACHUTE WF10B A15 596	PA	<input checked="" type="checkbox"/>
277787	WELL	PA	10/04/2012	GW	045-10778	N. PARACHUTE WF02B A15 596	PA	<input checked="" type="checkbox"/>
278195	WELL	PA	09/27/2012	LO	045-10858	N.PARACHUTE WF07D 596	PA	<input checked="" type="checkbox"/>
425199	PIT	CL	03/02/2012	-	-	NORTH STORAGE PIT A15	CL	<input type="checkbox"/>
425200	PIT	CL	03/02/2012	-	-	SOUTH STORAGE PIT A15	CL	<input type="checkbox"/>
428147	PIT		03/12/2012	-	-	WEST FORK A-15 596		<input checked="" type="checkbox"/>

Equipment:Location Inventory

Inspector Name: LONGWORTH, MIKE

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>8</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: <u>1</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>2</u>	Oil Pipeline: _____	Water Pipeline: <u>1</u>
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: <u>1</u>	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location

<u>Signs/Marker:</u>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
BATTERY	SATISFACTORY			
CONTAINERS	SATISFACTORY			
WELLHEAD	SATISFACTORY			

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

Comment: _____

Corrective Action: _____

<u>Spills:</u>				
Type	Area	Volume	Corrective action	CA Date
	Truck Loadout	<= 5 bbls	Clean up stains in front of load station	07/25/2014

☐ Multiple Spills and Releases?

<u>Fencing/:</u>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
PIT	SATISFACTORY			
WELLHEAD	SATISFACTORY			

<u>Equipment:</u>					
Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Plunger Lift	1	SATISFACTORY			
Ancillary equipment	1	SATISFACTORY	Chemical container		
Bird Protectors	1	SATISFACTORY			
Gas Meter Run	1	SATISFACTORY			

<u>Venting:</u>		
Yes/No	Comment	

<u>Flaring:</u>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 335800

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/A/V: _____

Corrective Action: _____

Date: _____

CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczko	<p>SITE SPECIFIC COAs:</p> <p>Prior to multi-well pit construction, a Form 27 (Remediation Workplan/Closure Report) must be submitted to the COGCC detailing the closure of the original drilling pits (#425199 and #425200) at this well pad location. This form should include the dates of closure, where the fluids were disposed of, and where any impacted soil was disposed of. In addition, analytical results from soil samples collected below the pit prior to the construction of the new multi-well pit, should also be included.</p> <p>Notify COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to start of construction of the pit.</p> <p>Surface water samples from West Fork (one upstream and one downstream) shall be collected by the operator prior to pit use and every 12 months to evaluate potential impacts from pit operations. At a minimum, the surface water samples will be analyze for the following parameters: major cations/anions (chloride, fluoride, sulfate, sodium); total dissolved solids (TDS); and BTEX/DRO.</p> <p>After installation of the uppermost liner and prior to operating the pit, the synthetic liner(s) shall be tested by filling the pit with at least 4 feet of fresh water, measured from the base of the pit (not to exceed the 2-foot freeboard requirement). The operator shall monitor the pit for leaks for a period of 72 hours prior to draining the pit and commencing operations. Operator shall notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) 48 hours prior to start of the hydrotest. Hydrotest monitoring results must be maintained by the operator for the life of the pit and provided to COGCC prior to using the pit.</p> <p>Operator must ensure 110 percent secondary containment for any volume of fluids contained at the water handling facility site during natural gas development activities and 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>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via buried or temporary surface pipelines.</p> <p>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.</p> <p>The production pit must be double-lined. The pit will also require a leak detection system (Rule 904.e).</p> <p>Operator must submit a professional engineer (PE) approved/stamped as-built drawing (plan view and cross-sections) of the production pit within 14 calendar days of construction.</p>	01/27/2012

The production pit must be fenced and netted. The operator must maintain the fencing and netting until the pit is closed in accordance with Rule 905. Closure of Pits, and Buried or Partially Buried Produced Water Vessels.

Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface pipelines or configuration of the permanent pipeline network.

Submit additional disposal facilities (wells, pits, landfills, etc.) for pit contents, if different than what was provided on the Form 15 Pit Permit, to COGCC via a Form 4 Sundry prior to disposal.

S/A/V: SATISFACTORY

Comment:

Fence and netting in place and maintained

CA:

Date:

Wildlife BMPs:

BMP Type	Comment
Wildlife	<ul style="list-style-type: none"> • Prohibit Encana employees and contractors from carrying projectile weapons. Except during company organized events. • Prohibit pets on property. • Strategically apply fugitive dust control measures, including enforcing established speed limits on Encana private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.
Construction	<ul style="list-style-type: none"> • Use solar panels as an alternative energy source for on-location production equipment, where appropriate, economically and technically feasible. • Use multiple gathering lines placed in a single trench to minimize disturbance and construction, where appropriate, economically and technically feasible. • Install trench plugs (sloped to allow wildlife or livestock to exit the trench should they enter) at known wildlife or livestock trails to allow safe crossing on long spans of open trench, where appropriate, economically and technically feasible. • Maintain a minimum of five feet of soil cover between the pipeline and the lowest point of the drainage or water body channel.

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: 277115 Type: WELL API Number: 045-10604 Status: PR Insp. Status: PR

Producing Well

Comment: Producing well

Facility ID: 277116 Type: WELL API Number: 045-10605 Status: PA Insp. Status: PA

Facility ID: 277117 Type: WELL API Number: 045-10606 Status: PA Insp. Status: PA

Facility ID: 277783 Type: WELL API Number: 045-10781 Status: PA Insp. Status: PA

Facility ID: 277784 Type: WELL API Number: 045-10780 Status: AB Insp. Status: AL

Facility ID: 277785 Type: WELL API Number: 045-10779 Status: PA Insp. Status: PA

Facility ID: 277787 Type: WELL API Number: 045-10778 Status: PA Insp. Status: PA

Facility ID: 278195 Type: WELL API Number: 045-10858 Status: PA Insp. Status: PA

Facility ID: 428147 Type: PIT API Number: - Status: Insp. Status:

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:**

Inspector Name: LONGWORTH, MIKE

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 _____

Inspector Name: LONGWORTH, MIKE

Non cropland: Revegetated 80% _____	Cropland: perennial forage _____
Weeds present _____	Subsidence _____
Comment: _____	
Corrective Action: _____	Date _____
Overall Final Reclamation _____	Well Release on Active Location <input type="checkbox"/> Multi-Well Location <input type="checkbox"/>

Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Ditches	Pass			
Seeding	Pass	Gravel	Pass			
Compaction	Pass	Compaction	Pass	VT	Pass	Speed limits set to 25 mph
Berms	Pass	Berms	Pass	MHSP	Pass	Secondary containment for chemical container
Ditches	Pass	Culverts	Pass			

S/A/V: SATISFACTOR Y	Corrective Date: _____
Comment: _____	
CA: _____	

Pits: ☐ NO SURFACE INDICATION OF PIT

Pit Type: _____	Lined: YES	Pit ID: 428147	Lat: 39.621792	Long: -108.148903
Lining:				
Liner Type: HDPE	Liner Condition: Adequate			
Comment: _____				
Fencing:				
Fencing Type: Netting/Fen	Fencing Condition: Adequate			
Comment: _____				
Netting:				
Netting Type: Fence/Net	Netting Condition: Good			
Comment: _____				
Anchor Trench Present: YES	Oil Accumulation: YES	2+ feet Freeboard: _____		
Pit (S/A/V): ACTION	Comment: Oil accumulation on pit fluid and stained wall at east side of pit			
Corrective Action: Remove oil accumulation and clean oil stains from walls with 24 hours.	Date: 07/23/2014			

Permit:	Facility ID	Permit Num	Expiration Date
	428147	2222736	
	425199	1642062	
	425200	1642063	

Attached Documents

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

Inspector Name: LONGWORTH, MIKE

Document Num	Description	URL
674700067	Pit 428147 Location 335800	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3392407