

**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

Inspection Date:

05/02/2016

Document Number:

666802110

Overall Inspection:

SATISFACTORY w/ CMT  
or AR**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	211093	334270	Murray, Richard	<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
Lujan, Carlos		carlos.lujan@state.co.us	
Kubeczko, Dave		dave.kubeczko@state.co.us	
Contact, General		cogcc.inspections@encana.com	

**Compliance Summary:**QtrQtr: NWSE Sec: 25 Twp: 7S Range: 93W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
07/01/2013	670200610	PR	PR	SATISFACTORY			No
06/16/2011	200312901	SR	SI	SATISFACTORY			No
06/04/2008	200192102	PR	PR	SATISFACTORY			No
11/01/2002	200038765	PR	PR	SATISFACTORY		Pass	No
10/05/1999	500142601	PR	PR			Pass	No
12/28/1995	500142600	PR	PR			Pass	

**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
211093	WELL	PR	07/17/1998	OW	045-06851	SHIDELER 25-10	PR	<input checked="" type="checkbox"/>
281920	WELL	AL	06/06/2011	LO	045-11572	SHIDELER 25-10A (J25W)	AL	<input type="checkbox"/>
281921	WELL	AL	06/06/2011	LO	045-11573	SHIDELER 25-15C (J25W)	AL	<input type="checkbox"/>
281922	WELL	AL	06/06/2011	LO	045-11574	SHIDELER 25-16C (J25W)	AL	<input type="checkbox"/>
425761	PIT	CL	10/05/2011		-	J25W 25	CL	<input type="checkbox"/>
430351	PIT		10/03/2012		-	J25W Water Storage Pond 1		<input type="checkbox"/>

Inspector Name: Murray, Richard

442513	CENTRALIZED EP WASTE MGMT FAC	AC	07/17/2015		-	MAMMM CREEK J25W 793	AC	
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**Equipment:**Location Inventory

Special Purpose Pits: 1	Drilling Pits: _____	Wells: 1	Production Pits: _____
Condensate Tanks: 1	Water Tanks: _____	Separators: 1	Electric Motors: _____
Gas or Diesel Mortors: 1	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****Lease Road:**

Type	Satisfactory/Action Required	comment	Corrective Action	Date

**Signs/Marker:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Emergency Contact Number (S/AR): SATISFACTORY

Corrective Date: \_\_\_\_\_

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

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

**Good Housekeeping:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Spills:**

Type	Area	Volume	Corrective action	CA Date

☐ Multiple Spills and Releases?**Fencing/:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Equipment:**

Type: Horizontal Heated Separator	# 1	Satisfactory/Action Required: SATISFACTORY
Comment		
Corrective Action		Date: _____
Type: Gas Meter Run	# 1	Satisfactory/Action Required: SATISFACTORY
Comment		
Corrective Action		Date: _____

**Facilities:**☐ New Tank

Tank ID: \_\_\_\_\_

Inspector Name: Murray, Richard

Contents	#	Capacity	Type	SE GPS	
CONDENSATE	1	300 BBLS	STEEL AST	39.414516,-107.720907	
S/AR	SATISFACTORY		Comment:		
Corrective Action:					Corrective Date:
<b>Paint</b>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<b>Berms</b>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action					Corrective Date
Comment					
<b>Venting:</b>					
Yes/No	NO				
Comment					
<b>Flaring:</b>					
Type		Satisfactory/Action Required			
Comment:					
Corrective Action:					Correct Action Date:
<b>Predrill</b>					
Location ID: 211093					
Lease Road Adeq.:		Pads:		Soil Stockpile:	
S/AR: _____					
Corrective Action:		Date:		CDP Num.:	
<b>Form 2A COAs:</b>					

Group	User	Comment	Date
OGLA	kubeczko	<p>FORM 15 EARTHEN PIT PERMIT COAs:</p> <p>Notify the COGCC 48 hours prior to start of pad construction, pit liner installation, and start of pit operations using Form 42 (the appropriate COGCC individuals will automatically be email notified).</p> <p>The Form 15 Earthen Pit Permit shall be good for 3 years from the date of first use. If the produced water storage pit is to be used for more than 3 years, the operator shall file with the COGCC an application on Form 28 and obtain the COGCC's approval.</p> <p>The produced water storage pit must be double-lined. The pit will also require a leak detection system (Rule 904.e).</p> <p>Operator shall submit as-built pit design report including pit layout (plan view and cross-sections), sub-grade preparation, liner installation QA/QC, and any testing results within 90 days of completion of pit installation.</p> <p>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.</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 70 percent of operating capacity of 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. The leak detection system must also be monitored during the entire test. 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>Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline leading to the produced water storage pit.</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 approval of the Form 15 Earthen Pit Permit. 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 produced water storage pit must be fenced and netted. The operator must maintain the fencing and netting until the pit is closed.</p> <p>The operator shall submit, and receive approval of, a reuse and recycling plan per Rule 907.a.(3), prior to any offsite reuse/recycling of pit fluids.</p> <p>Submit additional disposal facilities (wells, pits, etc.), if necessary (i.e., if original disposal option changes), for pit liquid contents to COGCC via a Form 4 Sundry prior to disposal.</p> <p>The produced water storage pit shall be closed in accordance with Rule 905. Closure of Pits, and Buried or Partially Buried Produced Water Vessels; with an approved Site Investigation and Remediation Workplan, Form 27.</p>	09/21/2012

OGLA	kubeczkod	<p><b>SITE SPECIFIC (FORM 2A) COAs:</b></p> <p>Operator must ensure 110 percent secondary containment for any volume of fluids (excluding freshwater) 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>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>A form 15 Earthen Pit Permit must be submitted and approved prior to construction/use of the completions pit.</p>	09/21/2012
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**S/AR:** ACTION REQUIRED **Comment:** The produced water storage pit must be fenced and netted. The operator must maintain the fencing and netting until the pit is closed. No netting on pit at time of inspection

**CA:** "Net or fence pit to prevent access per rule 902.d."

**Date:** 05/13/2016

#### Wildlife BMPs:

BMP Type	Comment
Wildlife	<p>Wildlife BMPs</p> <p>Minimize the number, length and footprint of oil &amp; gas development roads</p> <p>Use existing routes where possible</p> <p>Combine utility infrastructure planning (gas, electric &amp; water) when possible with roadway planning to avoid separate utility corridors</p> <p>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> <p>Area around pond will be fenced. Pond will have cover.</p>
Construction	<p>CONSTRUCTION/RECLAMATION</p> <p>(Not all are used all the time)</p> <p>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 &amp; Snow Storage Containment, Scheduling, Phased Construction, Temporary Flumes, Culverts with inlet &amp; outlet protection, Rip Rap, TRM (Turf Reinforcement Mats), Maintenance, Scheduling, Phased Construction, Fueling BMP's, Waste Management BMP's, Materials Handling BMP's</p>
Site Specific	<p>POST CONSTRUCTION/RECLAMATION</p> <p>Maintenance</p> <p>Revegetation Monitoring</p> <p>BMP maintenance &amp; monitoring</p> <p>Weed Management</p> <p>Area around pond will be fenced</p>
Pre-Construction	<p>PRECONSTRUCTION</p> <p>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions &amp; ROP's), Scheduling, Phased Construction</p>

**S/AR:** ACTION REQUIRED **Comment:** Area around pond will be fenced. Pond will have cover.

Inspector Name: Murray, Richard

CA: "Net or fence pit to prevent access per rule 902.d."

Date: 05/13/2016

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: 211093 Type: WELL API Number: 045-06851 Status: PR Insp. Status: PR

### Producing Well

Comment: Producing

### 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): N

Comment:

Pilot: Wildlife Protection Devices (fired vessels): YES

**Reclamation - Storm Water - Pit****Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: RANGELAND

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

1003a. Waste and Debris removed? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_

CA Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_

CA Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass

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 \_\_\_\_\_

Inspector Name: Murray, Richard

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
		Gravel	Pass			
Hydro Mulch	Pass					
Seeding	Pass					
Gravel	Pass					
		Culverts	Pass			
Berms	Pass					
Retention Ponds	Pass					
Ditches	Pass					
Culverts	Pass					
		Ditches	Pass			

S/A/V: SATISFACTOR Y Corrective Date: \_\_\_\_\_

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

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

Pits: ☐ NO SURFACE INDICATION OF PIT

**Attached Documents**

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

Document Num	Description	URL
666802110	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3849382">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3849382</a>
666802122	encana1	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3849375">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3849375</a>
666802123	encana2	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3849376">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3849376</a>