

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



DE	ET	OE	ES
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Inspection Date:
10/23/2013

Document Number:
673300063

Overall Inspection:
Satisfactory

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>427746</u>	<u>427746</u>	<u>Lamont, Rich</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: _____

Name of Operator: ENCANA OIL & GAS (USA) INC

Address: 370 17TH ST STE 1700

City: 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
Papez, Gerald	(970) 260-8966	gerald.papez@encana.com	Ops - Mamm Creek area
Lamont, Rich		rich.lamont@state.co.us	
Insp., General	970-285-2665	cogcc.inspections@encana.com	
Friesen, Kathy	(970) 285-2665	Kathy.Friesen@encana.com	Environmental Lead Piceance
KELLERBY, SHAUN		shaun.kellerby@state.co.us	

Compliance Summary:

QtrQtr: SENE Sec: 21 Twp: 7S Range: 95W

Inspector Comment:

New pad - recently completed Frac. Wells flowing through flowback lines to flowback tanks on location.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
427730	WELL	WO		LO	045-21329	FEDERAL 22-13B (PH21)	PR	<input checked="" type="checkbox"/>
427731	WELL	WO		LO	045-21330	Federal 21-2B (PH-21)	PR	<input checked="" type="checkbox"/>
427733	WELL	WO		LO	045-21331	Federal 21-1C (PH-21)	PR	<input checked="" type="checkbox"/>
427734	WELL	WO		LO	045-21332	Federal 22-12A (PH-21)	PR	<input checked="" type="checkbox"/>
427736	WELL	WO		LO	045-21333	Federal 22-12D (PH-21)	PR	<input checked="" type="checkbox"/>
427739	WELL	WO		LO	045-21334	Federal 21-8C (PH-21)	PR	<input checked="" type="checkbox"/>
427742	WELL	WO		LO	045-21335	FEDERAL 21-8A (PH21)	PR	<input checked="" type="checkbox"/>
427744	WELL	WO		LO	045-21336	FEDERAL 21-2A(PH21)	PR	<input checked="" type="checkbox"/>
427754	WELL	WO		LO	045-21337	FEDERAL 21-9B(PH21)	PR	<input checked="" type="checkbox"/>
427757	WELL	WO		LO	045-21338	FEDERAL 22-5C(PH21)	PR	<input checked="" type="checkbox"/>

Equipment:

Location Inventory

Inspector Name: Lamont, Rich

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>10</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>4</u>	Separators: <u>10</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: <u>1</u>	Flare: _____	Fuel Tanks: _____

Location

Lease Road:

Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory	continue using BMP's to maintain road and location		

Signs/Marker:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory			
TANK LABELS/PLACARDS	Satisfactory			
BATTERY	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
DEBRIS	Satisfactory			
STORAGE OF SUPL	Satisfactory			
WEEDS	Satisfactory	Continue using BMP's for weed control		
STORAGE OF SUPL	Satisfactory			

Spills:

Type	Area	Volume	Corrective action	CA Date
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Multiple Spills and Releases?

Fencing/:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
	Satisfactory			

Equipment:

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Bird Protectors	2	Satisfactory			
Emission Control Device	1	Satisfactory	not currently in use due to wells flowing thru flowback lines		

Inspector Name: Lamont, Rich

Ancillary equipment		Satisfactory	Misc pumps and flowback equipment in use		
Vertical Heated Separator	10	Satisfactory			

Facilities: New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CONDENSATE	5	500 BBLS	STEEL AST	39.426015,-107.995322

S/U/V: Satisfactory Comment: All signage appears present

Corrective Action: _____ Corrective Date: _____

Paint

Condition Adequate

Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action _____ Corrective Date _____

Comment _____

Venting:

Yes/No Comment

NO

Flaring:

Type Satisfactory/Unsatisfactory Comment Corrective Action CA Date

Field Flare Satisfactory

Predrill

Location ID: 427746

Site Preparation:

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

S/U/V: _____

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

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	<p>PROJECT RULISON COAs:</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.</p> <p>Comply with all DOE Office of Legacy Management requests for sampling and analysis of natural gas and other materials associated with drilling and production.</p> <p>The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.</p>	01/27/2012

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.

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.

Berms or other containment devices shall be constructed to be sufficiently impervious to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

Produced water from this location may not be transported to or re-used at another location without specific written approval from COGCC and only after analysis confirms compliance with the Rulison Sampling and Analysis Plan (SAP).

Drill solids and cuttings from this location may not be transported to, disposed of or re-used at another location without specific written approval from COGCC and only after analysis confirms compliance with the Rulison Sampling and Analysis Plan (SAP).

A closed loop mud system shall be utilized to ensure containment of all materials that have been in contact with downhole strata and fluids. All cuttings and fresh make up water storage pits shall be lined to ensure containment. Contour features, french drains and other stormwater BMPs as necessary shall be employed to ensure site integrity.

No individual operator shall utilize more than one rig within one mile of the Project Rulison blast site at any given time and no individual operator shall utilize more than two rigs within a three mile radius of the site at any given time. The total number of rigs allowed by all operators within three miles of the site shall be limited to five at any given time.

Operator shall comply with all provisions of the most recent COGCC approved revision of the Rulison Sampling and Analysis Plan (SAP). In addition to the produced water sampling and analysis outlined in section 5.8 of the plan the operators shall also obtain and analyze produced water samples on wells described in the plan for constituents listed in the plan using the specified method where applicable.

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.

Operator will conduct regular inspections of equipment for leaks and equipment problems with appropriate documentation retained in the operator's office. All equipment deficiencies shall be corrected. Monitoring should end

approximately 30 days after well completion and/or after production has been stabilized; however, timely inspections should continue during the production phase.

Operator will use adequately sized containment devices for all chemicals and/or hazardous materials stored or used on location.

Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.

S/U/V: _____ **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

BMP Type	Comment
Wildlife	All wildlife stipulations and best management practices that apply, are applicable and that have been agreed to with the BLM and are presented in our approved South Parachute Geographic Area Plan for Oil and Gas Development (EA#COC140-2006-050) will be followed.

S/U/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: 427730 Type: WELL API Number: 045-21329 Status: WO Insp. Status: PR

Producing Well

Comment: PR

Facility ID: 427731 Type: WELL API Number: 045-21330 Status: WO Insp. Status: PR

Producing Well				
Comment: PR				
Facility ID: <u>427733</u>	Type: <u>WELL</u>	API Number: <u>045-21331</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427734</u>	Type: <u>WELL</u>	API Number: <u>045-21332</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427736</u>	Type: <u>WELL</u>	API Number: <u>045-21333</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427739</u>	Type: <u>WELL</u>	API Number: <u>045-21334</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427742</u>	Type: <u>WELL</u>	API Number: <u>045-21335</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427744</u>	Type: <u>WELL</u>	API Number: <u>045-21336</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427754</u>	Type: <u>WELL</u>	API Number: <u>045-21337</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				
Facility ID: <u>427757</u>	Type: <u>WELL</u>	API Number: <u>045-21338</u>	Status: <u>WO</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: PR				

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 _____ In Process _____

Final Reclamation/ Abandoned Location:

Inspector Name: Lamont, Rich

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 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

S/U/V: Satisfactory _____ Corrective Date: _____

Comment: _____

CA: _____

Pits: NO SURFACE INDICATION OF PIT