

**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:

12/30/2013

Document Number:

670201093

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	269112	335460	BURGER, CRAIG	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number:

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

Compliance Summary:QtrQtr: SWSE Sec: 22 Twp: 6S Range: 93W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
08/16/2010	200268021	PR	PR	Unsatisfactory			Yes
02/13/2004	200052146	PR	WO	Satisfactory		Pass	No

Inspector Comment:

Active permits on location expire in 2015. Survey stakes placed but pad construction for additional drilling has not taken place.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
269052	WELL	PR	05/17/2004	GW	045-09315	JEWELL 22-10 (O22)	PR	<input checked="" type="checkbox"/>
269053	WELL	PR	07/09/2004	GW	045-09313	JEWELL 22-9C (O22)	PR	<input checked="" type="checkbox"/>
269112	WELL	PR	01/07/2008	GW	045-09319	JEWELL 22-16C (O22)	PR	<input checked="" type="checkbox"/>
269113	WELL	PR	01/07/2008	GW	045-09320	JEWELL 22-16 (O22)	SI	<input checked="" type="checkbox"/>
434901	WELL	XX	11/01/2013		045-22196	Petree 22-9DD (O22NW)	ND	<input checked="" type="checkbox"/>
434902	WELL	XX	11/01/2013		045-22197	Petree 22-9A (O22NW)	ND	<input checked="" type="checkbox"/>
434903	WELL	XX	11/01/2013		045-22198	Petree 22-2C (O22NW)	ND	<input checked="" type="checkbox"/>
434904	WELL	XX	11/01/2013		045-22199	Petree 22-9B (O22NW)	ND	<input checked="" type="checkbox"/>
434905	WELL	XX	11/01/2013		045-22200	Petree 22-15A (O22NW)	ND	<input checked="" type="checkbox"/>
434906	WELL	XX	11/01/2013		045-22201	Petree 23-12B (O22NW)	ND	<input checked="" type="checkbox"/>
434907	WELL	XX	11/01/2013		045-22202	Petree 22-9D (O22NW)	ND	<input checked="" type="checkbox"/>
434908	WELL	XX	11/01/2013		045-22203	Petree 22-2D (O22NW)	ND	<input checked="" type="checkbox"/>
434909	WELL	XX	11/01/2013		045-22204	Petree Federal 22-11D (O22NW)	ND	<input checked="" type="checkbox"/>

Inspector Name: BURGER, CRAIG

434910	WELL	XX	11/01/2013		045-22205	Petree Federal 23-5B (O22NW)	ND	X
434911	WELL	XX	11/01/2013		045-22206	Petree Federal 23-13A (O22NW)	ND	X
434912	WELL	XX	11/01/2013		045-22207	Petree Federal 22-7A (O22NW)	ND	X
434913	WELL	XX	11/01/2013		045-22208	Petree Federal 26-4A (O22NW)	ND	X
434914	WELL	XX	11/01/2013		045-22209	Petree Federal 22-1C (O22NW)	ND	X
434915	WELL	XX	11/01/2013		045-22210	Petree Federal 22-8D (O22NW)	ND	X
434916	WELL	XX	11/01/2013		045-22211	Petree Federal 23-14B (O22NW)	ND	X
434917	WELL	XX	11/01/2013		045-22212	Petree Federal 22-8A (O22NW)	ND	X
434918	WELL	XX	11/01/2013		045-22213	Petree Federal 23 23-11B (O22NW)	ND	X
434919	WELL	XX	11/01/2013		045-22214	Petree Federal 23-5D (O22NW)	ND	X
434920	WELL	XX	11/01/2013		045-22215	Petree Federal 23-13D (O22NW)	ND	X

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>24</u>	Production Pits: _____
Condensate Tanks: <u>12</u>	Water Tanks: _____	Separators: <u>24</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: <u>1</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location**Signs/Marker:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory	Signs need 1/4 1/4 section. See compliance schedule COGCC document number #2369022.		
TANK LABELS/PLACARDS	Satisfactory			
BATTERY	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

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

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Vertical Heated Separator	4	Satisfactory			
Gas Meter Run	1	Satisfactory			
Plunger Lift	4	Satisfactory			
Bird Protectors	2	Satisfactory			
Emission Control Device	1	Satisfactory			
Gathering Line	1	Satisfactory			
Ancillary equipment	1	Satisfactory	Muffler unit.		

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
METHANOL	1	1000 GAL	STEEL AST	,

S/U/V: Satisfactory Comment: same berm as 500 bbl tanks

Corrective Action: _____ Corrective Date: _____

Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action _____ Corrective Date _____

Comment _____

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CONDENSATE	2	500 BBLS	STEEL AST	39.507310,-107.757410

S/U/V: Satisfactory Comment: _____

Corrective Action _____ Corrective Date _____

Paint

Condition	Adequate
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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
YES	Bradenhead valve of API# 045-09315 venting.

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Ignitor/Combustor	Satisfactory			

Predrill

Location ID: 269112

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/U/V: _____

Corrective Action: _____

Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkd	<p>The moisture content of any 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, if the drill cuttings are to be left onsite, they must also meet the applicable standards of table 910-1.</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, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) 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.</p> <p>Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines and following any reconfiguration of the pipeline network. Operator shall notify the 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 testing surface poly/sterel or buried poly/steel pipelines.</p> <p>Operator must implement best management practices to contain any unintentional release of fluids along all portions of any surface pipeline route, if constructed, where temporary pumps and other necessary equipment are located.</p> <p>Operator must routinely inspect the entire length of any surface pipeline, if constructed) to ensure integrity. Operator shall conduct daily inspections of surface poly pipeline routes for leaks during active transfer of fluids. Inspections shall be conducted by viewing the length of the pipeline; operator will endeavor to minimize surface disturbance during pipeline monitoring. The operator shall maintain records of inspections, findings and repairs, if necessary, for the life of the pipelines.</p> <p>Operator must ensure appropriate secondary containment for volume of fluids that may be released before pump shut down from the surface pipeline at all stream, intermittent stream, ditch, and drainage crossings. Catchment basins, if needed, should be sized to contain the volume between pump stations or between the nearest pump station and the frac pad being used for this well pad location. Pump stations along the surface poly or steel pipeline route will be continuously monitored when operating in order to swiftly respond to such a failure.</p> <p>Operator will utilize, to the extent practical, all existing access and other public roads, and/or existing pipeline right-of-ways, when placing/routing any surface or buried pipelines. This will reduce surface disturbance and fragmentation of wildlife habitat in the area.</p>	09/18/2013
OGLA	kubeczkd	<p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>As required for Groundwater Baseline Sampling; Operator shall comply with Rule 609. STATEWIDE GROUNDWATER BASELINE SAMPLING AND MONITORING:</p>	09/18/2013

OGLA	kubeczkd	<p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.</p> <p>Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations (as shown on the Construction Layout Drawings attachment); 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>The access road will be constructed and maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p> <p>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.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p>	09/18/2013
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S/U/V: Satisfactory**Comment:**

No drilling or completions on location at time of inspection.

CA:**Date:****Wildlife BMPs:**

BMP Type	Comment
Construction	<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 & 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</p>
Wildlife	<p>Minimize the number, length and footprint of oil & gas development roads</p> <p>Use existing routes where possible</p> <p>Combine utility infrastructure planning (gas, electric & 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>
Interim Reclamation	<p>Maintenance</p> <p>Revegetation Monitoring</p> <p>BMP maintenance & monitoring</p> <p>Weed Management</p>
Pre-Construction	<p>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions & ROP's), Scheduling, Phased Construction</p>

S/U/V: Satisfactory**Comment:**

Construction of pad for new permitted wells has not started.

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: 269052 Type: WELL API Number: 045-09315 Status: PR Insp. Status: PR

Producing WellComment: plunger lift

Facility ID: 269053 Type: WELL API Number: 045-09313 Status: PR Insp. Status: PR

Producing WellComment: plunger lift

Facility ID: 269112 Type: WELL API Number: 045-09319 Status: PR Insp. Status: PR

Producing WellComment: plunger lift

Facility ID: 269113 Type: WELL API Number: 045-09320 Status: PR Insp. Status: SI

Idle WellPurpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____

S/V: Satisfactory CA Date: _____

CA: _____

Comment: MIT performed Aug 2013.

Facility ID: 434901 Type: WELL API Number: 045-22196 Status: XX Insp. Status: ND

Facility ID: 434902 Type: WELL API Number: 045-22197 Status: XX Insp. Status: ND

Facility ID: 434903 Type: WELL API Number: 045-22198 Status: XX Insp. Status: ND

Facility ID: 434904	Type: WELL	API Number: 045-22199	Status: XX	Insp. Status: ND
Facility ID: 434905	Type: WELL	API Number: 045-22200	Status: XX	Insp. Status: ND
Facility ID: 434906	Type: WELL	API Number: 045-22201	Status: XX	Insp. Status: ND
Facility ID: 434907	Type: WELL	API Number: 045-22202	Status: XX	Insp. Status: ND
Facility ID: 434908	Type: WELL	API Number: 045-22203	Status: XX	Insp. Status: ND
Facility ID: 434909	Type: WELL	API Number: 045-22204	Status: XX	Insp. Status: ND
Facility ID: 434910	Type: WELL	API Number: 045-22205	Status: XX	Insp. Status: ND
Facility ID: 434911	Type: WELL	API Number: 045-22206	Status: XX	Insp. Status: ND
Facility ID: 434912	Type: WELL	API Number: 045-22207	Status: XX	Insp. Status: ND
Facility ID: 434913	Type: WELL	API Number: 045-22208	Status: XX	Insp. Status: ND
Facility ID: 434914	Type: WELL	API Number: 045-22209	Status: XX	Insp. Status: ND
Facility ID: 434915	Type: WELL	API Number: 045-22210	Status: XX	Insp. Status: ND
Facility ID: 434916	Type: WELL	API Number: 045-22211	Status: XX	Insp. Status: ND
Facility ID: 434917	Type: WELL	API Number: 045-22212	Status: XX	Insp. Status: ND
Facility ID: 434918	Type: WELL	API Number: 045-22213	Status: XX	Insp. Status: ND
Facility ID: 434919	Type: WELL	API Number: 045-22214	Status: XX	Insp. Status: ND
Facility ID: 434920	Type: WELL	API Number: 045-22215	Status: XX	Insp. Status: ND

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): Y _____

Comment: _____

Pilot: ON Wildlife Protection Devices (fired vessels): YES

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

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: RANGELAND

Comment: Snow cover limited inspection.

1003a. Debris removed? Pass CM _____ CA _____ CA Date _____

Waste Material Onsite? Pass CM _____ CA _____ CA Date _____

Unused or unneeded equipment onsite? Pass 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? Pass CM _____ CA _____ CA Date _____

1003b. Area no longer in use? _____ Production areas stabilized ? Pass

1003c. Compacted areas have been cross ripped? _____

1003d. Drilling pit closed? Pass 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:

Inspector Name: BURGER, CRAIG

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
		Culverts	Pass			
Compaction	Pass	Compaction	Pass			

S/U/V: _____

Corrective Date: _____

Comment: Snow cover limited inspection.

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT