

**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:  
01/06/2015

Document Number:  
674001936

Overall Inspection:  
SATISFACTORY

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>432161</u>	<u>432004</u>	<u>Carlile, Craig</u>	<input type="checkbox"/>	

**Operator Information:**

OGCC Operator Number:	<u>100185</u>
Name of Operator:	<u>ENCANA OIL &amp; GAS (USA) INC</u>
Address:	<u>370 17TH ST STE 1700</u>
City:	<u>DENVER</u> State: <u>CO</u> Zip: <u>80202-</u>

- 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, All		cogccinspections@encana.com	All Inspections

**Compliance Summary:**

QtrQtr: NWSW Sec: 18 Twp: 3N Range: 68W

**Inspector Comment:**

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**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
432001	WELL	DG	10/10/2014	LO	123-36889	Billings 3E-18H L368	DG	<input checked="" type="checkbox"/>
432002	WELL	DG	10/10/2014	LO	123-36890	Billings 3D-18H L368	DG	<input checked="" type="checkbox"/>
432003	WELL	DG	10/09/2014	LO	123-36891	Billings 3F-18H L368	DG	<input checked="" type="checkbox"/>
432005	WELL	DG	10/08/2014	LO	123-36892	Billings 3H-18H L368	DG	<input checked="" type="checkbox"/>
432006	WELL	DG	10/01/2014	LO	123-36893	Billings 3G-18H L368	DG	<input checked="" type="checkbox"/>
432160	WELL	DG	10/11/2014	LO	123-36982	Billings 3B-18H L368	DG	<input checked="" type="checkbox"/>
432161	WELL	DG	10/11/2014	LO	123-36983	Billings 3A-18H L368	DG	<input checked="" type="checkbox"/>
432162	WELL	DG	10/10/2014	LO	123-36984	Billings 3C-18H L368	DG	<input checked="" type="checkbox"/>

**Equipment:**

Location Inventory

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Inspector Name: Carlile, Craig

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

**Location**

**Signs/Marker:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
DRILLING/RECOMP				

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

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

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

**Spills:**

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

**Fencing/:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
LOCATION	SATISFACTORY	Sound Wall		

**Venting:**

Yes/No	Comment

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 432161

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/A/V:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Wildlife BMPs:**

BMP Type	Comment
Drilling/Completion Operations	The rig that will drill the wells at this location is without kelly. A double ram with blind ram and pipe ram as well as an annular preventer will be used. At least one person at the well site during drilling operations will have the Mineral Management certification or Director approved training for blowout prevention.
Construction	This location will be constructed in such a manner that noise mitigation may be installed and removed without disturbing the site or landscaping.
Drilling/Completion Operations	Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.
Emissions mitigation	Temporary flowback flaring and oxidizing equipment will include: adequately sized equipment to handle 1.5 times the largest flowback volume of gas experienced in a ten mile radius. If there is overrun, Encana will shut in the well versus freely venting
Noise mitigation	Encana will construct the subject location to allow potential future noise mitigation installation without disturbance.
Construction	At the time of construction, all leasehold roads will be constructed to accommodate local emergency vehicle access requirements, and will be maintained in a reasonable condition.
Pre-Construction	Prior to construction, Encana will write a "Risk Assessment Need Determination" to identify any further mitigation measures that will be needed for this location that meet Encana's Best Management Practices.
Noise mitigation	Encana will perform a baseline noise survey prior to any operational activity measuring dBA at a distance 350 feet from the noise source. If low frequency noise is a concern, we will measure dBC at 25 feet from the occupied structure towards the noise source. As necessary based on the survey, we will install temporary sound walls to minimize noise and light impacts during drilling and completions.
General Housekeeping	Any material not in use that might constitute a fire hazard will be removed a minimum of twenty-five (25) feet from the wellheads.
Drilling/Completion Operations	Guy line anchors in the DJ Basin are not installed. Encana will use an engineered base beam that we guy wire anchor the derricks to.
Drilling/Completion Operations	Upon initial rig-up and at least once every thirty (30) days during drilling operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections will be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing will be conducted and the documented results will be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing will be conducted on a daily basis when practicable.
Traffic control	At this time, Weld County does not require traffic control plans. Encana has already obtained the necessary access permit for this location through the county.
Drilling/Completion Operations	Adequate blowout prevention equipment will be used on all well servicing operations. Backup stabbing valves will be used on well servicing operations during reverse circulation. Valves will be pressure tested before each well servicing operation using both low-pressure air and high-pressure fluid.

Inspector Name: Carlile, Craig

General Housekeeping	Encana will maintain the site so that all surface trash, debris, scrap or discarded material connected with the operations of the property will be removed from the premises or disposed of in a legal manner.
Drilling/Completion Operations	Encana will utilize a closed-loop system for drilling operations at this location. Encana will not utilize pits.

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: 432001 Type: WELL API Number: 123-36889 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC

Other: \_\_\_\_\_

**Observation:**

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

**Idle Well**

Purpose:  Shut In  Temporarily Abandoned Reminder: \_\_\_\_\_

S/A/V: \_\_\_\_\_ CA Date: \_\_\_\_\_

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

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

Facility ID: 432002 Type: WELL API Number: 123-36890 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC

**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 432003 Type: WELL API Number: 123-36891 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC

**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 432005 Type: WELL API Number: 123-36892 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC

**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 432006 Type: WELL API Number: 123-36893 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC

**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 432160 Type: WELL API Number: 123-36982 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC

**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 432161 Type: WELL API Number: 123-36983 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC  
**Observation:** Other:  
Maximum Casing Recorded: PSI Tubing:  
Surface: Intermediate:  
Production: Instantaneous Shut-In Pressure (ISIP)  
Bradenhead Psi: Frac Flow Back: Fluid: Gas:

Facility ID: 432162 Type: WELL API Number: 123-36984 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: Bayou Stimulation Type: HYDRAULIC FRAC  
**Observation:** Other:  
Maximum Casing Recorded: PSI Tubing:  
Surface: Intermediate:  
Production: Instantaneous Shut-In Pressure (ISIP)  
Bradenhead Psi: Frac Flow Back: Fluid: Gas:

**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: DRY LAND  
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: DRY LAND \_\_\_\_\_

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

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
		Gravel	Pass			
				VT	Pass	
Gravel	Pass					
Waddles	Pass					
Gradient Terraces	Pass					

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

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

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

**Pits:**  NO SURFACE INDICATION OF PIT

**COGCC Comments**

Comment	User	Date
Initial inspection of well site. All wells have been drilled to total depth. Move in and setup underway for hydraulic fracture treatment. Sound walls in place, large volume temporary water storage located to the north of the wells location. Pad in good condition but saturated due to melting snow. Anticipate commencement of fracturing operations on Friday Jan 9th. Anticipate wells will produce into battery to the north of the well location.	carlilec	01/06/2015