

FORM  
5

Rev  
02/08

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
----	----	----	----

Document Number:

400620512

Date Received:

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 100185 4. Contact Name: Erin Lind  
2. Name of Operator: ENCANA OIL & GAS (USA) INC Phone: (720) 876-5827  
3. Address: 370 17TH ST STE 1700 Fax: \_\_\_\_\_  
City: DENVER State: CO Zip: 80202-

5. API Number 05-123-36204-00 6. County: WELD  
7. Well Name: LIBERTY Well Number: 2D-21H  
8. Location: QtrQtr: NENW Section: 21 Township: 3N Range: 68W Meridian: 6  
Footage at surface: Distance: 1235 feet Direction: FNL Distance: 2381 feet Direction: FWL  
As Drilled Latitude: 40.215211 As Drilled Longitude: -105.008811

GPS Data:

Date of Measurement: 05/09/2014 PDOP Reading: 2.2 GPS Instrument Operator's Name: S DOWNEY

\*\* If directional footage at Top of Prod. Zone Dist.: 1478 feet. Direction: FNL Dist.: 1877 feet. Direction: FWL

Sec: 21 Twp: 3N Rng: 68W

\*\* If directional footage at Bottom Hole Dist.: 1465 feet. Direction: FNL Dist.: 2152 feet. Direction: FEL

Sec: 20 Twp: 3N Rng: 68W

9. Field Name: WATTENBERG 10. Field Number: 90750

11. Federal, Indian or State Lease Number: \_\_\_\_\_

12. Spud Date: (when the 1st bit hit the dirt) 12/31/2013 13. Date TD: 01/27/2014 14. Date Casing Set or D&A: 01/28/2014

15. Well Classification:

☐ Dry ☐ Oil ☒ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

16. Total Depth MD 11440 TVD\*\* 6934 17 Plug Back Total Depth MD 11376 TVD\*\* 6870

18. Elevations GR 5023 KB 5036

One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:

CBL and MWD. Open hole logs were run on the Liberty 2A-21H, 05-123-34695, NENW Sec. 21 T3N R68W, which satisfies the COGCC request of open hole log data in a quarter-quarter section where none previously existed.

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	30	16	65	0	97	432	0	97	
SURF	12+1/4	9+5/8	40	0	913	387	0	913	
1ST	8+3/4	7	26	0	7,406	620	0	7,421	
2ND	6+1/8	4+1/2	13.5	7421	11,423	340	6,406	11,440	

### STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: \_\_\_\_\_

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom

Details of work:

21. Formation log intervals and test zones:

### FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
NIOBRARA		7,278	<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON		4,335	<input type="checkbox"/>	<input type="checkbox"/>	
SHARON SPRINGS		7,010	<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX		4,091	<input type="checkbox"/>	<input type="checkbox"/>	
TEEPEE BUTTES		5,824	<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Erin Lind

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: erin.lind@encana.com

### Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400620582	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400620579	Directional Survey **	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	DST Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Logs	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Other	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<u>Other Attachments</u>					
400620556	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400620565	PDF-Measurement/Logging While Drilling	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400620571	PDF-Measurement/Logging While Drilling	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400620580	WELL LOCATION PLAT	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400620585	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

## General Comments

User Group

Comment

Comment Date

--	--	--

Total: 0 comment(s)