

FORM  
5

Rev  
09/14

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400822795

Date Received:

03/22/2017

DRILLING COMPLETION REPORT

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type  Final completion  Preliminary completion

OGCC Operator Number: 10311 Contact Name: Erin Ekblad  
Name of Operator: SYNERGY RESOURCES CORPORATION Phone: (720) 616.4319  
Address: 1675 BROADWAY SUITE 2600 Fax: (720) 616.4301  
City: DENVER State: CO Zip: 80202

API Number 05-123-39721-00 County: WELD  
Well Name: SRC KIEHN Well Number: 31-4NHZ  
Location: QtrQtr: SWSE Section: 4 Township: 4N Range: 68W Meridian: 6  
Footage at surface: Distance: 201 feet Direction: FSL Distance: 1806 feet Direction: FEL  
As Drilled Latitude: 40.335806 As Drilled Longitude: -105.005381

GPS Data:  
Date of Measurement: 01/27/2015 PDOP Reading: 1.4 GPS Instrument Operator's Name: Brett Birch

\*\* If directional footage at Top of Prod. Zone Dist.: 824 feet Direction: FSL Dist.: 2212 feet. Direction: FEL  
Sec: 4 Twp: 4N Rng: 68W

\*\* If directional footage at Bottom Hole Dist.: 470 feet Direction: FNL Dist.: 2252 feet. Direction: FEL  
Sec: 4 Twp: 4N Rng: 68W

Field Name: WATTENBERG Field Number: 90750  
Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 08/31/2014 Date TD: 09/08/2014 Date Casing Set or D&A: 09/10/2014  
Rig Release Date: 01/18/2015 Per Rule 308A.b.

Well Classification:  
 Dry  Oil  Gas/Coalbed  Disposal  Stratigraphic  Enhanced Recovery  Storage  Observation

Total Depth MD 11304 TVD\*\* 7013 Plug Back Total Depth MD 11296 TVD\*\* 7013  
Elevations GR 5064 KB 5077 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:  
MWD/LWD, CBL, MUD, (Triple Combo 05-123-39719)

CASING, LINER AND CEMENT

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	13+1/2	9+5/8	24	0	580	200	0	580	VISU
1ST	8+3/4	7	29	0	7,440	675	740	7,440	CBL
1ST LINER	6+1/8	4+1/2	13.5	7121	11,300				

### 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:

### FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PARKMAN	3,365		NO	NO	
SUSSEX	3,894		NO	NO	
SHANNON	4,372		NO	NO	
SHARON SPRINGS	6,881		NO	NO	
NIOBRARA	6,920		NO	NO	

#### Operator Comments

Halliburton post job report had 26#/ft for intermediate string, but actual is 29#/ft.

Halliburton Surface Post Job Report indicates a 12.25 inch surface hole with 8-5/8 inch casing. Actual is 13.5 inch surface hole with 9-5/8 inch casing.

Please note: The Open Hole was run by Triple Combo on SRC Kiehn 31-4CHZ (API# 05-123-39719).

The KB and depth of 578' on the mud log are inaccurate. Synergy verified these numbers through accurate sources.

Each attachment and log run during the drilling and completion of a well is intended to fulfill a specific purpose. At times, vendors that run these logs or jobs put additional data in their report that is not critical or relevant to the technical purpose of their job. This data is not verified with Synergy and at times is not 100% accurate. For example, setting depths for a liner, date casing was set, or TD dates on a mud log may not be accurate. Synergy confirms setting depths through either daily drilling reports or liner reports, confirms date casing was set through daily drilling reports, and confirms TD through either our Pason system or daily drilling reports. Additionally, Synergy confirms liner tops through liner reports and not the CBL. Synergy is not able to request that these vendors not include this information in their report.

This was an open hole where the liner was uncemented and therefore no liner cement job summary and those fields in the casing table have been left blank.

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

Signed: \_\_\_\_\_

Print Name: Erin Ekblad

Title: Manager Regulatory Affair

Date: 3/22/2017

Email: eekblad@syrginfo.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<b>Attachment Checklist</b>			
401213318	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401213317	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"/>
<b>Other Attachments</b>			
400822795	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213329	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213337	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213341	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213344	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213349	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213350	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213355	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401213358	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401232627	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401239084	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	<ul style="list-style-type: none"> <li>• Note: first string top of cement of 740' is top of CBL logged depth; cement may be higher; cement returns were seen at surface.</li> <li>• Engineering review complete.</li> </ul>	03/30/2017
Permit	Permitting review complete.	03/28/2017
Permit	Returned to draft for operator to correct and/or complete.	10/29/2015

Total: 3 comment(s)