

FORM
5Rev
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



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Document Number:

401874892

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

OGCC Operator Number: 10110

Contact Name: Renee Kendrick

Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (720) 595-2114

Address: 1001 17TH STREET #2000

Fax:

City: DENVER State: CO Zip: 80202

API Number 05-001-10199-00

County: ADAMS

Well Name: Seltzer LD

Well Number: 21-031HC

Location: QtrQtr: NWNE Section: 4 Township: 1S Range: 67W Meridian: 6

Footage at surface: Distance: 498 feet Direction: FNL Distance: 2251 feet Direction: FEL

As Drilled Latitude: 39.998989 As Drilled Longitude: -104.892426

GPS Data:

Date of Measurement: 12/10/2018 PDOP Reading: 1.4 GPS Instrument Operator's Name: JAMES FRESHWATER

** If directional footage at Top of Prod. Zone Dist.: 560 feet. Direction: FNL Dist.: 2611 feet. Direction: FEL

Sec: 4 Twp: 1S Rng: 67W

** If directional footage at Bottom Hole Dist.: 584 feet. Direction: FNL Dist.: 2637 feet. Direction: FEL

Sec: 21 Twp: 1S Rng: 67W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 09/29/2018 Date TD: 11/29/2018 Date Casing Set or D&A: 12/06/2018

Rig Release Date: 12/07/2018 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 23960 TVD** 7979 Plug Back Total Depth MD 23950 TVD** 7979

Elevations GR 5139 KB 5159 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

Mud, MWD/LWD, CBL, Composite (Composite in 001-09962)

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	36	0	1,739	760	0	1,739	VISU
1ST	8+1/2	5+1/2	17	0	23,960	2,976	5,300	23,960	CBL

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	4,516	4,659	NO	NO	
SUSSEX	4,958	5,062	NO	NO	
SHANNON	5,504	5,624	NO	NO	
SHARON SPRINGS	7,456		NO	NO	
NIOBRARA	7,654		NO	NO	
FORT HAYS	8,209		NO	NO	
CODELL	8,398		NO	NO	

Comment:

This well was drilled during the first rig occupation on the Seltzer LD Pad.

Open-hole composite log was run on the Seltzer LD 21-034HNX (001-09962);
Approved APD had BMP requiring one well on pad to be logged with an open hole resistivity log with gamma ray.

The spud date on the LWD log is reported incorrectly

Cement top is not above the Sussex but there is sufficient coverage over the Niobrara formation; after conversations with Diana Burn, GWOG was given permission to proceed with completions. Bradenhead pressures were zero and were continually monitored during hydraulic stimulation.

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

Signed: _____

Print Name: Renee Kendrick

Title: Sr. Regulatory Analyst

Date: _____

Email: rkendrick@gwogco.com

Attachment Check List

Att Doc Num	Document Name	attached ?
<u>Attachment Checklist</u>		
401887763	CMT Summary *	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
401955550	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>		
401887746	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401887814	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401887815	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401917872	PDF-MUD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401917875	LAS-MUD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401923861	PDF-COMPOSITE	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401923864	LAS-COMPOSITE	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
401926032	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

