

FORM  
5Rev  
10/14State 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:

401717363

Date Received:

## 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/or 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: 10110

Contact Name: Miracle Pfister

Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (720) 595-2250

Address: 1001 17TH STREET #2000

Fax:

City: DENVER

State: CO

Zip: 80202

Email: regulatorypermitting@gwogco.com

API Number 05-123-44984-00

County: WELD

Well Name: Raindance FD

Well Number: 20-322HN

Location: QtrQtr: NENE

Section: 30

Township: 6N

Range: 67W

Meridian: 6

FNL/FSL

FEL/FWL

Footage at surface: Distance: 775 feet

Direction: FNL

Distance: 274 feet

Direction: FEL

As Drilled Latitude: 40.462859

As Drilled Longitude: -104.927443

GPS Data:

Date of Measurement: 11/20/2017

PDOP Reading: 1.4

GPS Instrument Operator's Name: JARED CHRISTOPHER

FNL/FSL

FEL/FWL

\*\* If directional footage at Top of Prod. Zone

Dist: 794 feet

Direction: FSL

Dist: 188 feet

Direction: FWL

Sec: 20

Twp: 6N

Rng: 67W

FNL/FSL

FEL/FWL

\*\* If directional footage at Bottom Hole

Dist: 816 feet

Direction: FSL

Dist: 471 feet

Direction: FEL

Sec: 20

Twp: 6N

Rng: 67W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 07/19/2017

Date TD: 08/11/2017

Date Casing Set or D&amp;A: 08/12/2017

Rig Release Date: 10/15/2017 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 12371

TVD\*\* 6998

Plug Back Total Depth MD 12357

TVD\*\* 6998

Elevations GR 4788

KB 4808

Digital Copies of ALL Logs must be Attached per Rule 308A

☒

List Electric Logs Run:

CBL, Mud Log, MWD/LWD, (Composite in 123-44988)

## 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	1,557	687	0	1,557	VISU
1ST	8+1/2	5+1/2	17	0	12,371	1,951	1,424	12,371	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	3,418	3,741	NO	NO	
SUSSEX	3,952	4,185	NO	NO	
SHANNON	4,525	4,621	NO	NO	
SHARON SPRINGS	7,099		NO	NO	
NIOBRARA	7,258		NO	NO	

### Operator Comments:

An exception to Rule 317.p, Requirement to Log Well, was approved for this well. No open hole resistivity log with gamma ray was run. This log was run in the Raindance FD 20-359HC (API # 05-123-44988) in the form of a Composite Log.

MWD incorrectly reports the dates (to), elevation, and casing record.

Mud incorrectly reports the elevation.

CBL incorrectly reports the SHL (section), elevation, depth driller, and casing record.

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

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

Print Name: Jack Desmond

Title: Regulatory Analyst

Date: \_\_\_\_\_

Email: jdesmond@gwogco.com

### Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
401766990	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
402160354	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>					
401767012	LAS-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402165505	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402166946	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402166947	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402166960	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283103	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283105	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283106	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283108	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	•CBL header covered •Engineering review complete	12/11/2019

Total: 1 comment(s)

