

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:

401717356

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 05-123-44987-00

County: WELD

Well Name: Raindance FD

Well Number: 20-362HNX

 Location: QtrQtr: NENE Section: 30 Township: 6N Range: 67W Meridian: 6
 FNL/FSL FEL/FWL

Footage at surface: Distance: 793 feet Direction: FNL Distance: 281 feet Direction: FEL

As Drilled Latitude: 40.462807 As Drilled Longitude: -104.927469

GPS Data:

Date of Measurement: 11/20/2017 PDOP Reading: 1.3 GPS Instrument Operator's Name: JARED CHRISTOPHER

FNL/FSL

FEL/FWL

 ** If directional footage at Top of Prod. Zone Dist: 505 feet Direction: FSL Dist: 194 feet Direction: FWL
 Sec: 20 Twp: 6N Rng: 67W

FNL/FSL

FEL/FWL

 ** If directional footage at Bottom Hole Dist: 528 feet Direction: FSL Dist: 472 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) 07/18/2017 Date TD: 08/25/2017 Date Casing Set or D&A: 08/26/2017

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 12167 TVD** 6882 Plug Back Total Depth MD 12159 TVD** 6882

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	1,530	687	0	1,530	VISU
1ST	8+1/2	5+1/2	17	0	12,167	1,932	164	12,167	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	3,427	3,745	NO	NO	
SUSSEX	3,957	4,184	NO	NO	
SHANNON	4,508	4,588	NO	NO	
SHARON SPRINGS	7,006		NO	NO	
NIOBRARA	7,308		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.

Surface Casing Cement Job Summary incorrectly reports the surface casing setting depth.

MWD incorrectly reports the spud date, 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>					
402169022	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
402160345	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>					
401766921	LAS-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401825700	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402166978	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402167008	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402167012	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283096	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283097	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402283099	PDF-	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<ul style="list-style-type: none"> •CBL/GR indicates surface casing set at 1520' KB. •CBL header covered •VDL does indicate cement into surface •Engineering review complete 	12/11/2019

Total: 1 comment(s)

