

FORM
5

Rev
12/20

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:

402924278

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: 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 Email: rkendrick@gwp.com

API Number 05-123-51583-00 County: WELD
Well Name: Raindance FC Well Number: 23-272HC
Location: QtrQtr: NENE Section: 30 Township: 6N Range: 67W Meridian: 6
FNL/FSL FEL/FWL
Footage at surface: Distance: 712 feet Direction: FNL Distance: 230 feet Direction: FEL
As Drilled Latitude: 40.463033 As Drilled Longitude: -104.927286
GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Date of Measurement: 07/21/2021

** If directional footage at Top of Prod. Zone Dist: 1831 feet Direction: FSL Dist: 75 feet Direction: FEL
Sec: 19 Twp: 6N Rng: 67W
FNL/FSL FEL/FWL

** If directional footage at Bottom Hole Dist: 1805 feet Direction: FSL Dist: 2337 feet Direction: FEL
Sec: 23 Twp: 6N Rng: 68W
FNL/FSL FEL/FWL

Field Name: WATTENBERG Field Number: 90750

Federal, Indian or State Lease Number: _____

Spud Date: (when the 1st bit hit the dirt) 07/14/2012 Date TD: 09/19/2021 Date Casing Set or D&A: 09/21/2021

Rig Release Date: 12/12/2021 Per Rule 308A.b.

Well Classification:

Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 21219 TVD** 6249 Plug Back Total Depth MD 21214 TVD** 6250

Elevations GR 4708 KB 4808 Digital Copies of ALL Logs must be Attached

List All Logs Run:

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

FLUID VOLUMES USED IN DRILLING OPERATIONS
(Enter "0" if a type of a fluid was not used. Do not leave blank.)

Total Fluids (bbls): 6796 Fresh Water (bbls): 5765

Recycled or Reused Fluids That Offset the Use of Fresh Water (bbls): 0

CASING, LINER AND CEMENT

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	13+1/2	9+5/8	J55	40	0	2063	920	2063	0	VISU
1ST	8+1/2	5+1/2	HCP110	20	0	21219	2350	21219	3158	CBL

Bradenhead Pressure Action Threshold 619 psig

This threshold is calculated per Rule 308A.b.(2)G. If this well is located in a bradenhead test area (see Rule 207.b) per an Order of the Commission, it may be subject to a different threshold.

Does the casing centralization comply with Rule 317.g? Yes

If "NO", provide details below.

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	3,445	3,722			
SUSSEX	3,958	4,192			
SHANNON	4,551	4,650			
SHARON SPRINGS	7,611				
NIOBRARA	7,750				
FORT HAYS	8,305				
CODELL	8,365				
CARLILE	8,483				

Operator Comments:

This well was drilled during the second rig occupation on the Raindance Pad.

Alternative Logging Program: No open-hole logs were run; Open-hole composite log was run on the Raindance FD 20-359HC (API # 05-123-44988) Approved APD had BMP requiring one well on the pad to be logged with an open hole resistivity log with gamma ray.

TPZ footages are estimated and are based on the directional survey footages at the 75' setback. Well is not completed Estimated completion by end of Q1 2022. Actual TPZ footages will be reported on the Form 5A.

The depths reported on the surface cement summary are from the smaller surface rig with a 5' KB which is a 15' difference from the production rig KB of 20'.

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

Renee Kendrick

Signed:

Print Name:

Title: SR Regulatory Analyst

Date:

Email: rkendrick@gwp.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
402928379	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402934641	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>			
402928369	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402928370	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402934141	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402934143	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402939240	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)