

FORM
5Rev
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:

402924421

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 05-123-51584-00

County: WELD

Well Name: Raindance FC

Well Number: 23-289HNX

Location: QtrQtr: NENE

Section: 30

Township: 6N

Range: 67W

Meridian: 6

FNL/FSL

FEL/FWL

Footage at surface: Distance: 721 feet

Direction: FNL

Distance: 234 feet

Direction: FEL

As Drilled Latitude: 40.463009

As Drilled Longitude: -104.927300

GPS Data: GPS Quality Value: 1.9

Type of GPS Quality Value: PDOP

Date of Measurement: 07/21/2021

FNL/FSL

FEL/FWL

** If directional footage at Top of Prod. Zone

Dist: 1565 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: 1722 feet

Direction: FSL

Dist: 2323 feet

Direction: FEL

Sec: 23

Twp: 6N

Rng: 68W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 07/14/2021

Date TD: 10/24/2021

Date Casing Set or D&A: 10/26/2021

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 20590

TVD** 6008

Plug Back Total Depth MD 20541

TVD** 6032

Elevations GR 4788

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): 6546

Fresh Water (bbls): 5619

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

CASING, LINER AND CEMENT

| <u>Casing Type</u> | <u>Size of Hole</u> | <u>Size of Casing</u> | <u>Grade</u> | <u>Wt/Ft</u> | <u>Csg/Liner Top</u> | <u>Setting Depth</u> | <u>Sacks Cmt</u> | <u>Cmt Btm</u> | <u>Cmt Top</u> | <u>Status</u> |
|--------------------|---------------------|-----------------------|--------------|--------------|----------------------|----------------------|------------------|----------------|----------------|---------------|
| 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 | 20546 | 2245 | 20546 | 2856 | CBL |
| OPEN HOLE | 8+1/2 | | | | 20546 | 20590 | | | | |

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:

Casing is set 44' off of bottom due to a fish in the hole 14.13' in length @ 20590'. The bit & rotary steerable tool (Orbit Tool) was lost in the hole at TD.

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 | 3,516 | 3,897 | NO | NO | |
| SUSSEX | 4,129 | 4,391 | NO | NO | |
| SHANNON | 4,775 | 4,892 | NO | NO | |
| SHARON SPRINGS | 7,434 | | NO | NO | |
| NIOBRARA | 7,634 | | NO | NO | |
| FORT HAYS | 19,317 | | NO | NO | |

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.

Casing is set 44' off of bottom due to a fish in the hole 14.13' in length @ 20590'. The bit & rotary steerable tool (Orbit Tool) was lost in the hole at TD.

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.

Signed: _____

Print Name: Renee KendrickTitle: SR Regulatory Analyst

Date: _____

Email: rkendrick@gwp.com**Attachment Check List**

| Att Doc Num | Document Name | attached ? | | | |
|-----------------------------|-----------------------|------------|-------------------------------------|----|-------------------------------------|
| <u>Attachment Checklist</u> | | | | | |
| 402934676 | CMT Summary * | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| | Core Analysis | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| 402934681 | 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> | | | | | |
| 402928618 | PDF-MUD | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 402928619 | PDF-CEMENT BOND | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 402938142 | DIRECTIONAL DATA | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 402938859 | PDF-MWD/LWD | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 402938860 | LAS-MWD/LWD | 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)