

FORM
5

Rev
02/20

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:

402236484

Date Received:

12/24/2019

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: 81490 Contact Name: ANDY PETERSON
Name of Operator: ST CROIX OPERATING INC Phone: (970) 203-4263
Address: P O BOX 13799 Fax: _____
City: DENVER State: CO Zip: 80201 Email: andy@petersonenergyoperating.com

API Number 05-121-11088-00 County: WASHINGTON
Well Name: ARMSTRONG Well Number: 1
Location: QtrQtr: SWSE Section: 21 Township: 3S Range: 51W Meridian: 6
FNL/FSL _____ FEL/FWL _____
Footage at surface: Distance: 600 feet Direction: FSL Distance: 2040 feet Direction: FEL
As Drilled Latitude: 39.773100 As Drilled Longitude: -103.092790
GPS Data: GPS Quality Value: 1.8 Type of GPS Quality Value: PDOP Date of Measurement: 12/04/2019
GPS Instrument Operator's Name: Craig Burke FNL/FSL _____ FEL/FWL _____
** If directional footage at Top of Prod. Zone Dist: _____ feet Direction: _____ Dist: _____ feet Direction: _____
Sec: _____ Twp: _____ Rng: _____ FNL/FSL _____ FEL/FWL _____
** If directional footage at Bottom Hole Dist: _____ feet Direction: _____ Dist: _____ feet Direction: _____
Sec: _____ Twp: _____ Rng: _____
Field Name: WILDCAT Field Number: 99999
Federal, Indian or State Lease Number: _____

Spud Date: (when the 1st bit hit the dirt) 10/30/2019 Date TD: 11/04/2019 Date Casing Set or D&A: 11/05/2019
Rig Release Date: 11/05/2019 Per Rule 308A.b.

Well Classification:

Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 4200 TVD** _____ Plug Back Total Depth MD _____ TVD** _____

Elevations GR 4667 KB 4675 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:

Mud Log, Tripple Combo

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 | 12+1/4 | 8+5/8 | 24 | 0 | 516 | 300 | 0 | 516 | VISU |
| OPEN HOLE | 7+7/8 | | | 516 | 4,200 | | | | CALC |

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 | |
| NIOBRARA | 3,091 | | NO | NO | |
| FORT HAYS | 3,548 | | NO | NO | |
| CARLILE | 3,610 | | NO | NO | |
| GREENHORN | 3,720 | | NO | NO | |
| X BENTONITE | 3,917 | | NO | NO | |
| D SAND | 4,008 | | NO | NO | |
| HUNTSMAN | 4,040 | | NO | NO | |
| J SAND | 4,056 | | NO | NO | |

Operator Comments:

Drilled and abandoned due to dry hole.

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

Signed: _____

Print Name: PAUL GOTTLÖB

Title: Regulatory & Engin. Tech. Date: 12/24/2019 Email: paul.gottlob@iptenergyservices.com

Attachment Check List

| Att Doc Num | Document Name | attached ? | |
|-----------------------------|------------------------|---|--|
| <u>Attachment Checklist</u> | | | |
| 402237713 | CMT Summary * | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| | Core Analysis | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| | Directional Survey ** | Yes <input type="checkbox"/> | No <input checked="" 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> | | | |
| 901792 | TRIPLE COMBINATION | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 402236484 | FORM 5 SUBMITTED | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 402236501 | PDF-TRIPLE COMBINATION | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 402236504 | LAS-TRIPLE COMBINATION | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 402236535 | PDF-MUD | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|---------------------|
| Engineering Tech | Dry hole DA on 11/05/2019, 6S doc# 402258053 in process 60 sks cmt from 4060 ft. to 3808 ft, 40 sks cmt from 3040 ft. to 2872 ft. meets COA Corrected logs run abbreviation Passed engineering review | 02/27/2020 |
| Permit | Operator submitted complete triple combo .pdf, which has been attached. | 12/30/2019 |
| Permit | Missing uphole portion of triple combo .pdf. Contacted operator. | 12/27/2019 |

Total: 3 comment(s)

