

FORM
5Rev
09/14

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:

400381816

Date Received:

03/04/2013

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 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: 10338

Contact Name: Tina Taylor

Name of Operator: CARRIZO OIL & GAS INC

Phone: (713) 328-1000

Address: 500 DALLAS STREET #2300

Fax: (713) 328-1060

City: HOUSTON State: TX Zip: 77002

API Number 05-123-34100-01

County: WELD

Well Name: SLICK ROCK

Well Number: 19-14-7-60

Location: QtrQtr: Lot 4 Section: 19 Township: 7N Range: 60W Meridian: 6

Footage at surface: Distance: 17 feet Direction: FSL Distance: 1243 feet Direction: FWL

As Drilled Latitude: 40.553410 As Drilled Longitude: -104.142450

GPS Data:

Date of Measurement: 07/09/2012 PDOP Reading: 4.1 GPS Instrument Operator's Name: Marc Woodard

** If directional footage at Top of Prod. Zone Dist.: 748 feet Direction: FSL Dist.: 1233 feet Direction: FWL

Sec: 19 Twp: 7N Rng: 60W

** If directional footage at Bottom Hole Dist.: 652 feet Direction: FNL Dist.: 1209 feet Direction: FWL

Sec: 19 Twp: 7N Rng: 60W

Field Name: WILDCAT

Field Number: 99999

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 02/27/2012 Date TD: 03/12/2012 Date Casing Set or D&A: 03/06/2012

Rig Release Date: Per Rule 308A.b.

Well Classification:

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

Total Depth MD 10845 TVD** 6516 Plug Back Total Depth MD 10845 TVD** 6516

Elevations GR 5021 KB 5039

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

List Electric Logs Run:

CBL, GR

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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|--------|
| CONDUCTOR | 16 | 15+1/4 | 65 | 0 | 60 | 6 | 0 | 60 | |
| SURF | 12+1/4 | 9+5/8 | 36 | 0 | 1,398 | 400 | 0 | 1,398 | VISU |
| 1ST | 8+3/4 | 7 | 26 | 0 | 6,455 | 580 | 0 | 6,455 | CBL |
| 1ST LINER | 6+1/8 | 4+1/2 | 11.6 | 5762 | 10,845 | | | | 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 | |
| SHARON SPRINGS | 6,216 | 6,423 | | | |
| NIOBRARA | 6,423 | | | | |

Operator Comments

Withdrew doc 400301544 for original completion sent in on 7/2/12. Swell Packer was set at 6976' to isolate TOP

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

Signed: _____ Print Name: Tina TaylorTitle: Regulatory Compliance Date: 3/4/2013 Email: tina.taylor@crzo.net**Attachment Check List**

| Att Doc Num | Document Name | attached ? | | | |
|-----------------------------|----------------------------|------------|-------------------------------------|----|-------------------------------------|
| <u>Attachment Checklist</u> | | | | | |
| 400381846 | CMT Summary * | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| | Core Analysis | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| 2233884 | 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> | | | | | |
| 400381816 | DRILLING COMPLETION REPORT | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 400381843 | PDF-GAMMA RAY | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 400381844 | PDF-CEMENT BOND | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 400382079 | DIRECTIONAL DATA | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 400387396 | LAS-GAMMA RAY | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| 400761603 | FORM 5 SUBMITTED | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|--------------------------|
| Engineering Tech | Engineer Ryan Dornak emailed: the Pilot hole was never drilled & mud logs were not run. Unreported sidetrack was emailed to COGCC on 9/26/2013 by Scott Hudson. Open hole sidetrack due to well path out of GEO target due to fault in formation, lateral TD @ 8688'. Open Hole sidetracked at 6925', TD @ 10845' md 6516' tvd, | 6/26/2015 11:00:17 AM |
| Engineer | Casing changes made per 5/30/2014 email from Cynthia Pinel. Liner set depth is equal to TD. CP verified with engineer; mud logs were not run on this well. Gamma Ray logs sent 2/11/2015. deleted Document 400381844 & 700093972 because API is incorrect. | 2/3/2015 9:28:07 AM |
| Permit | Confirmed as drilled GPS of SHL plots east of original planned SHL and matches starting point for Xcel template uploaded. | 5/5/2014 7:05:36 AM |
| Engineer | corrections to be made to -00 wellbore - also asked for production records to be cleaned up this is the -01 wellbore final Form 5 – the casing/cementing piece needs to be cleaned up and clarified. This was an unapproved, unplanned sidetrack with a description of setting 7", drilling out and encountering a fault. So the 7" should be part of the casing description and the open hole piece from the end of the 7" to TD. The SC size is given as 8-3/4" with the hole size for the 7" being 8-3/4" – the bit would be larger than the inside diameter of the casing? The TD and casing dates are given as the same on both the -00 and the -01 wellbores. Haven't fully explored the logs – we should have a log for the original wellbore of some sort that shows the 'fault' – was that sent in according to your records – this 5(-00) lists an LAS gamma ray as the only attachment. Thanks for the help – you can just supply the 'new' entries for this form to get it fixed and we'll put them in and change the dates to the correct dates. | 5/1/2014 11:01:32 AM |
| Permit | Form 2 submitted and approved. | 3/4/2013 3:06:57 PM |
| Permit | Per operator attached directional survey and corrected well name. Waiting on additional form 2 for sidetrack. | 3/4/2013 1:24:07 PM |

Total: 6 comment(s)