

FORM
5

Rev
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 Taylor

Title: 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	<p>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.</p> <p>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?</p> <p>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.</p> <p>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.</p>	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)