

FORM
5
Rev
11/20

State of Colorado Oil and Gas Conservation Commission

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Document Number:
402516681

Date Received:
11/03/2020

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: 96155 Contact Name: Pauleen Tobin
Name of Operator: WHITING OIL & GAS CORPORATION Phone: (303) 390-4267
Address: 1700 LINCOLN STREET SUITE 4700 Fax: _____
City: DENVER State: CO Zip: 80290 Email: pollyt@whiting.com

API Number 05-123-43935-00 County: WELD
Well Name: Razor Well Number: 26I-2346
Location: QtrQtr: NESE Section: 26 Township: 10N Range: 58W Meridian: 6
FNL/FSL _____ FEL/FWL _____
Footage at surface: Distance: 2324 feet Direction: FSL Distance: 794 feet Direction: FEL
As Drilled Latitude: 40.808743 As Drilled Longitude: -103.825462
GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 05/15/2017
FNL/FSL _____ FEL/FWL _____
** If directional footage at Top of Prod. Zone Dist: 2451 feet Direction: FNL Dist: 1096 feet Direction: FEL
Sec: 26 Twp: 10N Rng: 58W
FNL/FSL _____ FEL/FWL _____
** If directional footage at Bottom Hole Dist: 103 feet Direction: FNL Dist: 1002 feet Direction: FEL
Sec: 23 Twp: 10N Rng: 58W
Field Name: WILDCAT Field Number: 99999
Federal, Indian or State Lease Number: _____

Spud Date: (when the 1st bit hit the dirt) 05/21/2017 Date TD: 05/25/2017 Date Casing Set or D&A: 05/26/2017
Rig Release Date: 06/20/2017 Per Rule 308A.b.

Well Classification:
 Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 13820 TVD** 5735 Plug Back Total Depth MD 13777 TVD** 5736
Elevations GR 4711 KB 4732 Digital Copies of ALL Logs must be Attached

List All Logs Run:
Mud log, MWD/LWD, CBL (Triple Combo in API 123-38488)

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
CONDUCTOR	24	16	J-55	75	0	101	153	101	0	VISU
SURF	13+1/2	9+5/8	J-55	36	0	2068	889	2068	0	VISU
1ST	8+1/2	5+1/2	HCP110	20	0	13819	2355	13820	1135	CBL

Bradenhead Pressure Action Threshold 620 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	
PIERRE	1,411		NO	NO	
HYGIENE	3,164		NO	NO	
SHARON SPRINGS	5,545		NO	NO	
NIOBRARA	5,550		NO	NO	

Operator Comments:

Well drilled within setbacks.

No open hole logs run (Triple Combo run on Razor 26I-2316B 123-38488). One of the first wells drilled on the pad will be logged with an open-hole resistivity log with gamma-ray from TD to into the surface casing.

GPS taken off of conductor prior to surface spud
 TPZ location corrected to actual based on top perf at 6139'
 BHL provided by survey company
 Corrected well logs names to their standard industry abbreviations
 Corrected API number to 123-38488-00 in Drilling Tab
 Corrected 1st string cement sx count
 Corrected TOC per engineer interpretation of CBL
 Corrected 1st string cement bottom to TD per directional survey
 Attached 1st cement reports with API and corrected location
 Added Eng'r calculated sacks of cement for conductor
 Attached .las format of CBL from surface to KOP
 Attached MWD MD/TVD.pdf and .las logs with API, location and KB/GR on log header
 Attached Mud log with correct spud date

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

Signed: _____

Print Name: Pauleen Tobin

Title: Regulatory Compliance Spe

Date: 11/3/2020

Email: pollyt@whiting.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
402516752	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516753	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402516751	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>			
402516681	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516727	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516728	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516729	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516730	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516746	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516748	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402516755	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	Corrected 1st string casing cement top per CBL	12/15/2020
Permit	-Corrected the open hole logging comment -Passed Permit Review	11/19/2020

Total: 2 comment(s)

