

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:

401001679

Date Received:

03/08/2016

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: 96155

Contact Name: Pauleen Tobin

Name of Operator: WHITING OIL & GAS CORPORATION

Phone: (303) 837-1661

Address: 1700 BROADWAY STE 2300

Fax:

City: DENVER State: CO Zip: 80290

API Number 05-123-38720-00

County: WELD

Well Name: Razor

Well Number: 12F-0105A

Location: QtrQtr: SENW Section: 12 Township: 10N Range: 58W Meridian: 6

Footage at surface: Distance: 2185 feet Direction: FNL Distance: 1468 feet Direction: FWL

As Drilled Latitude: 40.854665 As Drilled Longitude: -103.817922

GPS Data:

Date of Measurement: 12/30/2015 PDOP Reading: 2.0 GPS Instrument Operator's Name: Larry D. Brown

** If directional footage at Top of Prod. Zone Dist.: 2477 feet Direction: FNL Dist.: 1366 feet Direction: FWL

Sec: 12 Twp: 10N Rng: 58W

** If directional footage at Bottom Hole Dist.: 607 feet Direction: FNL Dist.: 1466 feet Direction: FWL

Sec: 1 Twp: 10N Rng: 58W

Field Name: DJ HORIZONTAL NIOBRARA

Field Number: 16950

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 11/04/2015 Date TD: 11/10/2015 Date Casing Set or D&A: 11/11/2015

Rig Release Date: 12/10/2015 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 13582 TVD** 6048 Plug Back Total Depth MD 13525 TVD** 6048

Elevations GR 4937 KB 4958

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

List Electric Logs Run:

Mud/LWD/CBL/(CNL in 123-38721)

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	24	16	65	0	101	20	0	101	VISU
SURF	13+1/2	9+5/8	36	0	1,877	595	0	1,877	VISU
1ST	8+3/4	7	32	0	6,425	705	0	6,425	CBL
1ST LINER	6	4+1/2	11.6	5399	13,572	560	5,399	13,572	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	
PIERRE	1,750		NO	NO	
HYGIENE	3,601		NO	NO	
SHARON SPRINGS	5,911		NO	NO	
NIOBRARA	5,925		NO	NO	

Operator Comments

Open Hole Logging Exception (document#400642315) , No Resistivity Log Run. NEU run in API: 123-38721.

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: Engineer Tech Date: 3/8/2016 Email: pollyt@whiting.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
401001696	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001697	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001698	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
401001853	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>					
1734403	CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
1734404	MWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001679	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001688	CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001692	MEASUREMENT/LOGGING WHILE DRILLING	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001693	LAS-MEASUREMENT/LOGGING WHILE DRILLING	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001694	MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401001700	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	Requested the MWD.PDF with data down to TD(current attachment is surface -6,050') & CBL.LAS file. CBL.LAS attached as doc#1734381(11/6/2017) MWD.PDF attached as doc#1734404(11/30/2017) • TPZ footages were corrected per the Operator guidance provided on the related Form 5A#401414552	11/03/2017
Permit	Corrected measured depth of formation tops to reflect Mud Log. Corrected rig release date. Corrected the Plug Back TD section. Corrected GR and KB elevation to reflect directional survey. Corrected Electric Logs Run Comments section. Corrected Open Hole Log Exception comments on Submit tab.	10/03/2017

Total: 2 comment(s)