

**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:

400521505

Date Received:

03/04/2014

**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: (303) 495-6780  
 City: DENVER State: CO Zip: 80290

API Number 05-123-37978-00 County: WELD  
 Well Name: Razor Well Number: 21B-2810B  
 Location: QtrQtr: NWNE Section: 21 Township: 10N Range: 58W Meridian: 6  
 Footage at surface: Distance: 405 feet Direction: FNL Distance: 1981 feet Direction: FEL  
 As Drilled Latitude: 40.830000 As Drilled Longitude: -103.868216

## GPS Data:

Date of Measurement: 02/21/2014 PDOP Reading: 1.9 GPS Instrument Operator's Name: Michael Brown\*\* If directional footage at Top of Prod. Zone Dist.: 1165 feet Direction: FNL Dist.: 2039 feet. Direction: FELSec: 21 Twp: 10N Rng: 58W\*\* If directional footage at Bottom Hole Dist.: 2564 feet Direction: FNL Dist.: 2146 feet. Direction: FELSec: 28 Twp: 10N Rng: 58WField Name: DJ HORIZONTAL NIOBRARA Field Number: 16950

Federal, Indian or State Lease Number: \_\_\_\_\_

Spud Date: (when the 1st bit hit the dirt) 11/07/2013 Date TD: 11/24/2013 Date Casing Set or D&A: 11/24/2013Rig Release Date: 10/23/2014 Per Rule 308A.b.

## Well Classification:

 Dry  Oil  Gas/Coalbed  Disposal  Stratigraphic  Enhanced Recovery  Storage  ObservationTotal Depth MD 12713 TVD\*\* 5866 Plug Back Total Depth MD 12713 TVD\*\* 5866Elevations GR 4837 KB 4859 **Digital Copies of ALL Logs must be Attached per Rule 308A** 

## List Electric Logs Run:

LWD/MUD/CBL/CNL IN API#123-39529**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	75	0	80		0	80	VISU
SURF	13+1/2	9+5/8	36	0	1,636	677	0	1,636	VISU
1ST	8+3/4	7	29	0	6,142	666	790	6,142	CBL
1ST LINER	6	4+1/2	11.6	5224	12,705	437	5,225	12,705	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	1,510		NO	NO	
HYGIENE	3,425		NO	NO	
SHARON SPRINGS	5,773		NO	NO	
NIOBRARA	5,781		NO	NO	

**Operator Comments**

An Open Hole Logging Exception was granted for the Razor 21B-0909A pad(Location ID: 431115) via document#400642281 and a Cased Neutron log was run from surface casing to the on the Razor 21B-0909(API:123-39529)

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: 3/4/2014 Email: pollyt@whiting.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<b>Attachment Checklist</b>			
400556181	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400556182	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400558265	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400564334	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"/>
<b>Other Attachments</b>			
400521505	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400556171	PDF-Measurement/Logging While Drilling	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400556172	LAS-Measurement/Logging While Drilling	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400556173	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400556179	CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400558724	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	<ul style="list-style-type: none"> <li>• Corrected the Date Rig Released.</li> <li>• Corrected the "Csg/Lin Top" for the 1st Liner per the provided Cement Bond Log.</li> <li>• Corrected the "Cement Top" &amp; "Cement Btm" of the Conductor Casing.</li> <li>• Corrected the amount of cement used for the 1st Liner per the provided Cement Job Summary.</li> </ul>	08/01/2017
Permit	<ul style="list-style-type: none"> <li>Corrected the TPZ section.</li> <li>Corrected TD date and casing set date to reflect mud log.</li> <li>Corrected KB elevation to reflect directional survey.</li> </ul>	07/31/2017

Total: 2 comment(s)