

FORM
5Rev
02/20**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:

402505117

Date Received:

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: Bethany Kerley

Name of Operator: WHITING OIL & GAS CORPORATION

Phone: (303) 802-8376

Address: 1700 LINCOLN STREET SUITE 4700

Fax:

City: DENVER State: CO Zip: 80290

Email: bethany.kerley@whiting.com

API Number 05-123-41772-00

County: WELD

Well Name: Horsetail Fed

Well Number: 07F-0606

Location: QtrQtr: SENW Section: 7 Township: 10N Range: 57W Meridian: 6
FNL/FSL FEL/FWL

Footage at surface: Distance: 2596 feet Direction: FNL Distance: 2207 feet Direction: FWL

As Drilled Latitude: 40.853611 As Drilled Longitude: -103.796060

GPS Data: GPS Quality Value: 1.0 Type of GPS Quality Value: PDOP Date of Measurement: 01/19/2016

GPS Instrument Operator's Name: Michael Brown

FNL/FSL

FEL/FWL

** If directional footage at Top of Prod. Zone Dist: 2276 feet Direction: FNL Dist: 1668 feet Direction: FWL
Sec: 7 Twp: 10N Rng: 57W

FNL/FSL

FEL/FWL

** If directional footage at Bottom Hole Dist: 611 feet Direction: FNL Dist: 1795 feet Direction: FWL
Sec: 6 Twp: 10N Rng: 57W

Field Name: WILDCAT

Field Number: 99999

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 04/25/2016 Date TD: 04/30/2016 Date Casing Set or D&A: 05/02/2016

Rig Release Date: 05/03/2016 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 13443 TVD** 5850 Plug Back Total Depth MD 13378 TVD** 5849

Elevations GR 4899 KB 4920

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

List Electric Logs Run:

Mud Log, MWD/LWD, CBL (NEU in API 123-41771)

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	153	0	101	VISU
SURF	13+1/2	9+5/8	36	0	2,015	909	0	2,015	VISU
1ST	8+1/2	5+1/2	20	0	13,424	2,345	154	13,443	CBL

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	1,700		NO	NO	
HYGIENE	3,550		NO	NO	
SUSSEX	3,993		NO	NO	
SHARON SPRINGS	5,671		NO	NO	
NIOBRARA	5,676		NO	NO	

Operator Comments:

Bottom marker joint is 82.32 ft inside (South of) 100' center line setback. Top Perf is 272 ft outside (North of) 100' center line setback.

Approved Open Hole Logging Exception. NEU log was run on Horsetail 07F-1839 API 123-41771. Approved APD BMP requiring one well on pad to be logged with an open hole resistivity log with Gamma-ray from TD to surface.

Survey companies changed in middle of drilling operations.

GPS taken off of conductor prior to surface spud
TZP updated to actual based on top perf of 6453'
BHL provided by survey company
Left Field name per Eden
Added Sussex formation top
Updated TOC per engineer interpretation of CBL
Corrected 1st string cement bottom to TD per directional survey
Corrected well logs names to their standard industry abbreviations
Added Eng'r calculated sacks of cement for conductor
Attached composite MWD/LWD log (Cathedral and Baker Hughes)
Attached corrected MWD TVD log with API and KB/GR
Attached .las format of CBL from surface to KOP
Attached cement reports with correct surface location

RETURN CORRECTIONS:

Corrected PDF and LAS files for MWD/LWD with correct section number (57W)

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: _____

Email: pollyt@whiting.com**Attachment Check List**

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
402505251	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402505278	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>			
402505225	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402505226	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402505232	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402505237	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402505238	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402505241	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402505245	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

