

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:

402447770

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: 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 05-123-41782-00

County: WELD

Well Name: Horsetail

Well Number: 07F-1807

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

Footage at surface: Distance: 2548 feet Direction: FNL Distance: 2269 feet Direction: FWL

As Drilled Latitude: 40.853740 As Drilled Longitude: -103.795836

GPS Data: GPS Quality Value: 1.1 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: 2506 feet Direction: FSL Dist: 2226 feet Direction: FWL
Sec: 7 Twp: 10N Rng: 57W

FNL/FSL

FEL/FWL

** If directional footage at Bottom Hole Dist: 49 feet Direction: FSL Dist: 2103 feet Direction: FWL
Sec: 18 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) 03/16/2016 Date TD: 03/20/2016 Date Casing Set or D&A: 03/24/2016

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 13927 TVD** 5763 Plug Back Total Depth MD 13447 TVD** 5746

Elevations GR 4899 KB 4920

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

List Electric Logs Run:

MWD/LWD, Mud Log, CBL. (NEU log run on 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	876	0	2,015	VISU
1ST	8+1/2	5+1/2	20	0	13,496	2,240	218	13,927	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 03/20/2016

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
	OPEN HOLE				

Details of work:

TD'd well, POOH, missing 8.5 inch PDC Bit and approx. 18 inch Motor Stator. RIH to push lost Stator piece to 6,095', tag Bit/Motor shaft, Work and push through the bottom of Curve, continue RIH pushing Bit/Motor shaft with 8.5 tricone bit. Plans made to Fish the pieces out of the hole, POOH to 5,770', Wash/Ream clean up lower section of Curve to 6,442', POOH, RIH with Fishing tools to 6,185', rotate and wash down to 6,390', attempt to catch fish, Push fish to 7,290', No Fish, Bottom of Overshot Guide wore/ground off 2 1/2" and grapple was missing from inside. Will push fish to bottom, slip and cut drill line. Rig service. RIH with Concave Open hole mill, push fish to 10,980', wash/ream, pushing fish to 13,500' (start of Faulted Sharon Springs), would not push any further. Circulate hole clean. Lost in hole, unable to retrieve, pushed to 13500'.

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	4,037		NO	NO	
SHARON SPRINGS	5,696		NO	NO	
NIOBRARA	5,702		NO	NO	

Operator Comments:

No open hole resistivity log run. NEU run on Horsetail 07F-1839 API 123-41771. Approved APD had BMP requiring one well on pad to be logged with an open hole resistivity log with Gamma-ray from TD to surface.

BHL was drilled 51' into the 100' setback. Tartan Sub is lowest interval that will be perforated at 13402.1'. (8.5 inch PDC Bit and approx. 18 inch Motor Stator lost in hole, unable to retrieve, pushed to 13500') Ops summary of attempted recovery attached. Form 5A will be submitted documenting that the bottom 525' of wellbore will not produce.

GPS taken off of preset conductor prior to surface spud.
 TPZ location is based on top perf at 6148'. Well completed 7/31/2017.
 BHL received from survey company
 Changed field name back to Wildcat
 Corrected liner cement bottom to TD per directional survey
 Added Sussex formation top
 TOC per engineer interpretation of CBL
 Corrected well logs names to their standard industry abbreviations
 Added Eng'r calculated sacks of cement for conductor
 Revised RR date to last well on pad. Verified TD & Date Casing set
 Attached .las format of CBL from surface casing to KOP

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>			
402447854	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402447858	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>			
402447831	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402447833	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402447837	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402456547	OPERATIONS SUMMARY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402458762	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402467535	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402467536	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402467539	PDF-MUD	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)

