

FORM
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Rev
02/20

State of Colorado Oil and Gas Conservation Commission

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Document Number:

402484411

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

API Number <u>05-123-41774-00</u>	County: <u>WELD</u>
Well Name: <u>Horsetail</u>	Well Number: <u>07F-1805</u>
Location: QtrQtr: <u>SENW</u> Section: <u>7</u> Township: <u>10N</u> Range: <u>57W</u> Meridian: <u>6</u>	
	FNL/FSL FEL/FWL
Footage at surface: Distance: <u>2543</u> feet Direction: <u>FNL</u> Distance: <u>2149</u> feet Direction: <u>FWL</u>	
As Drilled Latitude: <u>40.853754</u> As Drilled Longitude: <u>-103.796270</u>	
GPS Data: GPS Quality Value: <u>1.0</u> Type of GPS Quality Value: <u>PDOP</u> Date of Measurement: <u>01/19/2016</u>	
GPS Instrument Operator's Name: <u>Michael Brown</u>	FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: <u>2366</u> feet Direction: <u>FSL</u> Dist: <u>1477</u> feet Direction: <u>FWL</u>	
Sec: <u>7</u> Twp: <u>10N</u> Rng: <u>57W</u>	FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: <u>125</u> feet Direction: <u>FSL</u> Dist: <u>1462</u> feet Direction: <u>FWL</u>	
Sec: <u>18</u> Twp: <u>10N</u> Rng: <u>57W</u>	
Field Name: <u>DJ HORIZONTAL NIOBRARA</u> Field Number: <u>16950</u>	
Federal, Indian or State Lease Number: _____	

Spud Date: (when the 1st bit hit the dirt) 04/12/2016 Date TD: 04/15/2016 Date Casing Set or D&A: 04/17/2016

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 13870 TVD** 5729 Plug Back Total Depth MD 13019 TVD** 5709

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 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	1,979	645	0	1,979	VISU
1ST	8+3/4	5+1/2	20	0	13,067	2,308	100	13,067	CBL
OPEN HOLE	8+3/4			0	13,067			13,870	

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 04/15/2016

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

Details of work:

Drill Lateral 11,207' to 13,870' TD, Circulate Hi-Vis Sweep around, POOH to 13,064' (Plan to set 5 1/2" Production Float Collar at 13,021' due to Fault into Lower Pierre).

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	4,055		NO	NO	
SHARON SPRINGS	5,672		NO	NO	
NIOBRARA	5,680		NO	NO	

Operator Comments:

No open hole resistivity log run. NEU 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.

Added explanation and date to Stage/Topout/Remedial Cement abouts Setting 5 1/2" Production Float Collar at high 13,021' due to Fault into Lower Pierre.

Added open hole cement from bottom of 1st string to TD in Casing tab.

GPS taken off of preset conductor prior to surface spud.

TZP updated to actual based on top perf of 6309'

BHL received from survey company, corrected to FSL

Changed field name back to Wildcat

Corrected 1st string 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

Attached new MWD MD and TVD to TD

Changed the rig release date to 5/3/2016

Corrected 1st string cement sacks to include spacer system

No liner set, 1st string was misidentified in previous note

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

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
402484483	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402484485	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"/>
Other Attachments			
402484474	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402484475	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402484479	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402484480	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402484482	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402484490	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)

