

FORM
5

Rev
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:

402479223

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>Bethany Kerley</u>
Name of Operator: <u>WHITING OIL & GAS CORPORATION</u>	Phone: <u>(303) 802-8376</u>
Address: <u>1700 LINCOLN STREET SUITE 4700</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80290</u>	Email: <u>bethany.kerley@whiting.com</u>

API Number <u>05-123-43118-00</u>	County: <u>WELD</u>
Well Name: <u>Horsetail</u>	Well Number: <u>30H-1948</u>
Location: QtrQtr: <u>SENE</u> Section: <u>30</u> Township: <u>10N</u> Range: <u>57W</u> Meridian: <u>6</u>	
	FNL/FSL FEL/FWL
Footage at surface: Distance: <u>2328</u> feet Direction: <u>FNL</u> Distance: <u>600</u> feet Direction: <u>FEL</u>	
As Drilled Latitude: <u>40.810645</u> As Drilled Longitude: <u>-103.786715</u>	
GPS Data: GPS Quality Value: <u>2.0</u> Type of GPS Quality Value: <u>PDOP</u> Date of Measurement: <u>03/22/2017</u>	
GPS Instrument Operator's Name: <u>Michael Brown</u>	FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: <u>2500</u> feet Direction: <u>FNL</u> Dist: <u>362</u> feet Direction: <u>FEL</u>	
Sec: <u>30</u> Twp: <u>10N</u> Rng: <u>57W</u>	FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: <u>99</u> feet Direction: <u>FNL</u> Dist: <u>289</u> feet Direction: <u>FEL</u>	
Sec: <u>19</u> Twp: <u>10N</u> Rng: <u>57W</u>	
Field Name: <u>WILDCAT</u> Field Number: <u>99999</u>	
Federal, Indian or State Lease Number: _____	

Spud Date: (when the 1st bit hit the dirt) 05/12/2017 Date TD: 05/15/2017 Date Casing Set or D&A: 05/16/2017

Rig Release Date: 05/17/2017 Per Rule 308A.b.

Well Classification:

Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 13815 TVD** 5704 Plug Back Total Depth MD 13763 TVD** 5705

Elevations GR 4721 KB 4742 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:

MWD/LWD, CBL, MUD LOG (CAL, NEU, IND, GR, COMP logs were run in API #05-123-43123)

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	101	153	0	101	VISU
SURF	13+1/2	9+5/8	36	0	2,058	615	0	2,058	VISU
1ST	8+1/2	5+1/2	20	0	13,812	2,355	370	13,815	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	1,410		NO	NO	
HYGIENE	3,143		NO	NO	
SUSSEX	3,757		NO	NO	
SHARON SPRINGS	5,441		NO	NO	
NIOBRARA	5,450		NO	NO	

Operator Comments:

Well drilled 1' into 100' setback, Tartan sub at 13715' (lowest producing interval), Float collar at 13763'. Form 5a will document that the well is producing within setbacks.

TPZ corrected based on estimated top perforation of 6100'. Estimated completion for this well is 2/2024.

No open hole logs run. (CAL, NEU, IND, GR, COMP logs ran on Horsetail 30H-1916 API 123-43123). Approved APD BMP requiring one well on pad to be logged with an open hole resistivity log with Gamma-ray from TD to surface

GPS taken off of conductor prior to surface spud

Verified RR

BHL provided by survey company

Leave as Wildcat per Eden at COGCC

Added Sussex top to Formation Tab

Corrected 1st string cement bottom to TD per directional survey

Corrected 1st string cement sx from 2250 sx to 2355 sx to include 105 sx scavenger

Attached corrected 1st string Cement report with correct surface location

Attached MWD MD/TVD logs with correct API and location

Corrected TOC to 370' per drilling engineer review.

Correct log name to industry standard Abbreviations

Added Eng'r calculated sacks of cement for conductor

Updated KB/GR according to Final Directional Surveys: 4721'GL+21'KB @ 4742.00

Corrected KB/GL on CBL pdf

Imported Directional Data

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____

Print Name: Bethany Kerley

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
402479268	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402483072	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			
402479237	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402479276	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402479278	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402479284	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402483067	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402483068	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402483069	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402483070	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

