

**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:

400655606

Date Received:

12/15/2014

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: Elvera Berryman

Name of Operator: WHITING OIL & GAS CORPORATION

Phone: (303) 390-4221

Address: 1700 BROADWAY STE 2300

Fax: (303) 390-1598

City: DENVER State: CO Zip: 80290

API Number 05-123-38743-00

County: WELD

Well Name: Horsetail

Well Number: 30F-1948

Location: QtrQtr: SENW Section: 30 Township: 10N Range: 57W Meridian: 6

Footage at surface: Distance: 2323 feet Direction: FNL Distance: 2070 feet Direction: FWL

As Drilled Latitude: 40.810684 As Drilled Longitude: -103.795925

GPS Data:

Date of Measurement: 08/23/2014 PDOP Reading: 2.1 GPS Instrument Operator's Name: Michael Brown

** If directional footage at Top of Prod. Zone Dist.: 1936 feet Direction: FNL Dist.: 2428 feet Direction: FWL

Sec: 30 Twp: 10N Rng: 57W

** If directional footage at Bottom Hole Dist.: 43 feet Direction: FNL Dist.: 2464 feet Direction: FWL

Sec: 19 Twp: 10N Rng: 57W

Field Name: DJ HORIZONTAL NIOBRARA

Field Number: 16950

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 08/02/2014 Date TD: 08/10/2014 Date Casing Set or D&A: 08/12/2014

Rig Release Date: 11/10/2014 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 13158 TVD** 5649 Plug Back Total Depth MD 13089 TVD** 5646

Elevations GR 4783 KB 4800 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

LWD, MUD, CBL, CASED HOLE NEUTRON AND GAMMA RAY, TRIPLE COMBINATION, DENSITY, INDUCTION, GAMMA, CALIPER

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	20	16	84	0	97		0	97	VISU
SURF	13+1/2	9+5/8	36	0	1,583	456	0	1,583	VISU
1ST	8+3/4	7	29	0	5,958	794	0	5,958	CBL
1ST LINER	6+1/8	4+1/2	11.60	4911	13,139	515	4,911	13,139	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	1,435		NO	NO	
HYGIENE	3,182		NO	NO	
SHARON SPRINGS	5,524		NO	NO	
NIOBRARA	5,527		NO	NO	

Operator Comments

Well drilled 57' passed 100' setback. Form 5A will be submitted documenting that the bottom 69' of wellbore will not produce. Landing Collar is a 13089. Cement fills the hole from 13089 to TD.
Note Open Hole Logging Exception (Form 4 Doc. Number# 400641400) for the HORSETAIL 30F pad wells approved on 7/21/2014.

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

Signed: _____ Print Name: Elvera Berryman

Title: Engineer Tech Date: 12/15/2014 Email: elvera.berryman@whiting.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400672519	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400672520	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400672522	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400707494	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>					
400655606	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400707487	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710253	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710256	LAS-MEASUREMENT/LOGGING WHILE DRILLING	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710257	LAS-TRIPLE COMBINATION	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710263	PDF-DENSITY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710282	PDF-INDUCTION	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710291	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400710294	PDF-CALIPER	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400741744	LAS-NEUTRON	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400741745	PDF-NEUTRON	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400752454	PDF-CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400752466	PDF-MEASUREMENT/LOGGING WHILE DRILLING	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	-BHL and TPZ confirmed -Sundry requested for MWD pdf. horizontal interval and cement summaries in sks -Corrected Rig release date to latest date on this pad	05/23/2018

Total: 1 comment(s)