

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:

400703884

Date Received:

11/26/2014

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: <u>96155</u>	Contact Name: <u>Elvera Berryman</u>
Name of Operator: <u>WHITING OIL & GAS CORPORATION</u>	Phone: <u>(303) 390-4221</u>
Address: <u>1700 BROADWAY STE 2300</u>	Fax: <u>(303) 390-1598</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80290</u>	

API Number <u>05-123-38739-00</u>	County: <u>WELD</u>
Well Name: <u>Horsetail</u>	Well Number: <u>30F-1943</u>
Location: QtrQtr: <u>SENW</u> Section: <u>30</u> Township: <u>10N</u> Range: <u>57W</u> Meridian: <u>6</u>	
Footage at surface: Distance: <u>2324</u> feet Direction: <u>FNL</u> Distance: <u>1920</u> feet Direction: <u>FWL</u>	
As Drilled Latitude: <u>40.810687</u> As Drilled Longitude: <u>-103.796463</u>	

GPS Data:
Date of Measurement: 04/23/2014 PDOP Reading: 2.1 GPS Instrument Operator's Name: Michael Brown

** If directional footage at Top of Prod. Zone Dist.: 2452 feet Direction: FNL Dist.: 1575 feet. Direction: FWL
Sec: 30 Twp: 10N Rng: 57W

** If directional footage at Bottom Hole Dist.: 45 feet Direction: FNL Dist.: 1645 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) 10/01/2014 Date TD: 10/09/2014 Date Casing Set or D&A: 10/11/2014
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	<u>13702</u>	TVD**	<u>5562</u>	Plug Back Total Depth	MD	<u>13646</u>	TVD**	<u>5563</u>
Elevations	GR	<u>4780</u>	KB	<u>4797</u>	Digital Copies of ALL Logs must be Attached per Rule 308A <input checked="" type="checkbox"/>				

List Electric Logs Run:
LWD, MUD, CBL, DENSITY, INDUCTION, TRIPLE COMBO, Spectral 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	36.00	0	1,606	456	0	1,606	VISU
1ST	8+3/4	7	29.00	0	5,994	795	29	5,994	CBL
1ST LINER	6	4	11.60	4940	13,692	545	4,940	13,692	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	5,526		NO	NO	

Operator Comments

Well drilled 55' passed 100' setback. Form 5A will be submitted documenting that the bottom 56' of wellbore will not produce. Landing Collar is a 13646'. Cement fills the hole from 13646' to TD.
Note Open Hole Logging Exception (Form 4 Doc. Number# 400641400) for the HORSETAIL 30F pad wells approved on 7/21/2014.
The cased hole neutron and gamma ray log run on the Horsetail 30F-1948.
GPS data taken on preset conductors.

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: 11/26/2014 Email: elvera.berryman@whiting.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400705678	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400705679	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709146	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400731961	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>			
400703884	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400708758	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709029	PDF-DENSITY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709034	LAS-MEASUREMENT/LOGGING WHILE DRILLING	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709035	PDF-MEASUREMENT/LOGGING WHILE DRILLING	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709036	PDF-INDUCTION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709040	LAS-TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709042	PDF-TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709045	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400709047	PDF-CALIPER	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400732003	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400741950	PDF-CBL 3RD RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	Corrected ground elevation and kelly bushing elevations per survey reports	06/04/2018
Permit	-BHL and TPZ confirmed -Corrected Rig release date to latest date on this pad -Requested sundries for cement summaries with sks and MWD horizontal interval	05/29/2018

Total: 2 comment(s)