

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:

402488476

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 05-123-41481-00 County: WELD
Well Name: Horsetail Well Number: 08B-1743
Location: QtrQtr: NWNE Section: 8 Township: 10N Range: 57W Meridian: 6
FNL/FSL FEL/FWL
Footage at surface: Distance: 330 feet Direction: FNL Distance: 1919 feet Direction: FEL
As Drilled Latitude: 40.859924 As Drilled Longitude: -103.773210
GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: PDOP Date of Measurement: 05/24/2016
GPS Instrument Operator's Name: Michael Brown FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: 764 feet Direction: FNL Dist: 1864 feet Direction: FEL
Sec: 8 Twp: 10N Rng: 57W FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: 95 feet Direction: FSL Dist: 1985 feet Direction: FEL
Sec: 17 Twp: 10N Rng: 57W
Field Name: DJ HORIZONTAL CODELL-FORT HAYS Field Number: 16949
Federal, Indian or State Lease Number: _____

Spud Date: (when the 1st bit hit the dirt) 06/17/2016 Date TD: 06/21/2016 Date Casing Set or D&A: 06/24/2016
Rig Release Date: 07/12/2016 Per Rule 308A.b.

Well Classification:

Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 16131 TVD** 5961 Plug Back Total Depth MD 16070 TVD** 5961

Elevations GR 4890 KB 4911 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:

Mud log, MWD/LWD, CBL, NEU, GR, IND, CAL, Triple Combo (RES)

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	2,001	665	0	2,001	VISU
1ST	8+1/2	5+1/2	20	0	16,119	2,755	580	16,131	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	1,695		NO	NO	
HYGIENE	3,435		NO	NO	
SUSSEX	3,931		NO	NO	
SHARON SPRINGS	5,659		NO	NO	
NIOBRARA	5,671		NO	NO	
FORT HAYS	5,921		NO	NO	
CODELL	5,962		NO	NO	

Operator Comments:

Well spud 6/17/2016 0:00 hrs. MWD and Mud log headers corrected to reflect correct spud date.

Well drilled 5 ft passed 100 ft setback. Form 5A will be submitted documenting that the bottom 107' of wellbore will not produce. Tartan sub at 16024 ft (lowest completed interval), Float Collar is at 16069.9 ft

Approved APD BMP requiring one well on pad to be logged with an open hole resistivity log with Gamma-ray from TD to surface per Rule 317.p. No open hole logs run above 5250'

GPS taken off of conductor prior to surface spud

Corrected RR date

TZP updated to top perf at 6273'

Added Sussex formation top

BHL provided by survey company

Corrected sacks of cement on 1st string

Corrected 1st string cement bottom to TD per directional survey

Corrected well log names to their standard industry abbreviations

Added Eng'r calculated sacks of cement for conductor

Changed drilling tab KB/GR according to MWD Log and survey

Attached corrected surface Cement Report with well location

Corrected sacks of cement on 1st string

Attached corrected 1st string cement report

Attached MUD log with correct name, KB/GR and spud date on log header

Attached corrected Triple Combo las

Attached CBL with correct api and KB/GR

Attached .las Format of GR from surface casing to KOP

Attached MWD logs with correct spud date

Drafted sundry adding Ft Hays and Codell formations, ref Doc 402463241, Not filed-WO order update

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>			
402489182	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402489184	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>			
402489114	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489117	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489134	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489135	LAS-TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489144	PDF-TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489148	PDF-CALIPER	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489150	PDF-INDUCTION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489152	PDF-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489153	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489154	LAS-CBL 2ND RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489155	PDF-CBL 2ND RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402489173	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)

