

FORM
5Rev
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



DE ET OE ES

Document Number:

402050959

Date Received:

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type ☒ Final completion ☐ Preliminary completion

OGCC Operator Number: 10373

Contact Name: NEEL DUNCAN

Name of Operator: NGL WATER SOLUTIONS DJ LLC

Phone: (303) 947-9402

Address: 3773 CHERRY CRK NORTH DR #1000

Fax:

City: DENVER

State: CO

Zip: 80209

API Number 05-123-49501-00

County: WELD

Well Name: ROY SWD

Well Number: 5

Location: QtrQtr: NWNE Section: 28 Township: 1N Range: 66W Meridian: 6

Footage at surface: Distance: 326 feet Direction: FNL Distance: 2127 feet Direction: FEL

As Drilled Latitude: 40.028580 As Drilled Longitude: -104.780330

GPS Data:

Date of Measurement: 06/03/2019 PDOP Reading: 1.4 GPS Instrument Operator's Name: DUNCAN HOTCHKISS

** If directional footage at Top of Prod. Zone Dist.: 1619 feet. Direction: FSL Dist.: 57 feet. Direction: FWL

Sec: 21 Twp: 1N Rng: 66W

** If directional footage at Bottom Hole Dist.: 1669 feet. Direction: FSL Dist.: 20 feet. Direction: FWL

Sec: 21 Twp: 1N Rng: 66W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 04/19/2019 Date TD: 05/02/2019 Date Casing Set or D&A: 05/05/2019

Rig Release Date: 05/22/2019 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 11963 TVD** 10970 Plug Back Total Depth MD 11963 TVD** 10970

Elevations GR 5046 KB 5071

Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

MUD, CBL, MWD, COMP, O.H. logs on 05-123-49505

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	26	16	42	0	105	400	0	105	VISU
SURF	13+1/2	10+3/4	40.5	0	1,255	290	0	1,255	VISU
1ST	8+3/4	7	26	0	10,229	145	8,820	10,229	CBL
1ST LINER	6+1/8	4+1/2	11.6	10220	11,963				

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 04/28/2019

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
DV TOOL	1ST	8,820	945	1,410	8,820

Details of work:

TOC above DV Tool per CBL @ 1410'.

DV Tool Cement data:

1st Stage: Pump Tail: BJ Cem I70.6.1XC , 145sx, 13.5 ppg, 1.85 yield, 46.9 bbl

2nd Stage: Pump Lead: BJ Cem I100.3.01C, 750 sx, 12.5 ppg, 2.0749 yield, 277.3 bbl and Tail: BJ Cem I70.6.1C, 195 sx, 13.5 ppg, 1.519 yield, 52.2 bbl.

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	
SUSSEX	5,447		NO	NO	
SHANNON	6,304		NO	NO	
SHARON SPRINGS	8,118		NO	NO	
NIOBRARA	8,151		NO	NO	
FORT HAYS	8,541		NO	NO	
CODELL	8,564		NO	NO	
CARLILE	8,584		NO	NO	
J SAND	9,017		NO	NO	
SKULL CREEK	9,171		NO	NO	
DAKOTA	9,210		NO	NO	
MORRISON	9,369		NO	NO	
ENTRADA	9,590		NO	NO	
LYKINS	9,652		NO	NO	
FORELLE	9,992		NO	NO	
MINNEKAHTA	10,052		NO	NO	
BLAINE	10,158		NO	NO	
LYONS	10,219		NO	NO	
LOWER SATANKA	10,351		NO	NO	
FOUNTAIN	10,595		NO	NO	

Comment:

The given TPZ is the MD Top of the Lyons at 10,219' and the BHL is at MD TD at 11,963' (same as setting depth of the Liner).

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

Signed: _____

Print Name: PAUL GOTTLÖB

Title: Regulatory & Engin. Tech.

Date: _____

Email: paul.gottlob@iptenergyservices.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
402051417	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
402062382	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>					
402051413	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402051415	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402051565	LAS-COMPOSITE	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402051566	PDF-COMPOSITE	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402062275	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402062276	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402062277	LAS-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402062377	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402098516	LAS-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402107855	PDF-CEMENT BOND	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)

