

HARNETT DEPARTMENT OF PUBLIC HEALTH PERMIT
TO CONSTRUCT A DRINKING WATER SUPPLY WELL

PIN #: 0692-78-0141.000 Parcel #: 070692 0036 033

Application #: 17-5-42291

Subdivision: Joseph Gerrell

Lot #: 1

Applicant Name: Richard & Rebecca Lamy
Address: 3717 Melrose Drive Raleigh, NC 27604

Type of Facility Served by Well: SFD

Sewage System: 25% Reduction System

Permit Conditions: Location - 229 Ablitzd Lane Angier, NC 27501

General Permit Conditions:

- Drinking water supply well construction must meet 15A NCAC 02C.100 rules
- The permitted drinking water supply well shall be located in accordance with the **SITE PLAN**
- **ANY ALTERATION** of the site of the site (including location of structures and appurtenance) or modification in use of the well, may subject this Permit to revocation

Authorized State Agent [Signature] Date 9-28-17

Grouting Inspection Witnessed _____ Date _____
 Grouting self-certified by driller GW-1 provided? Yes No

See attachment for construction sketch

WELL CERTIFICATE OF COMPLETION

Date: 07/02/18 Application #: 17-5-42291 Well Contractor: Felton Jacobs

Applicant Name: Richard & Rebecca Lamy
Address: same
Directions to Site: 229 Ablitzd Ln

↓ reference GW-1

Use of Well: _____ Date Drilled: _____ Total Depth: _____ Replacement Well? Yes No
Static Water Level: _____ Top of Casing is _____ in. above surface. Yield: _____ gpm at _____ ft.
Disinfection: Type _____ Amount _____

Water Zone (depth)

From _____ To _____
From _____ To _____
From _____ To _____

Casing

From _____ To _____
Diameter: _____ Material: _____ Thickness: _____
From _____ To _____
Diameter: _____ Material: _____ Thickness: _____
From _____ To _____
Diameter: _____ Material: _____ Thickness: _____

Grout

From 0 To _____
Material: _____ Method: _____
From _____ To _____
Material: _____ Method: _____
From _____ To _____
Material: _____ Method: _____

Inspector: _____ On Hold Date: _____ Release Date: _____

Remarks: _____

Well Head Information

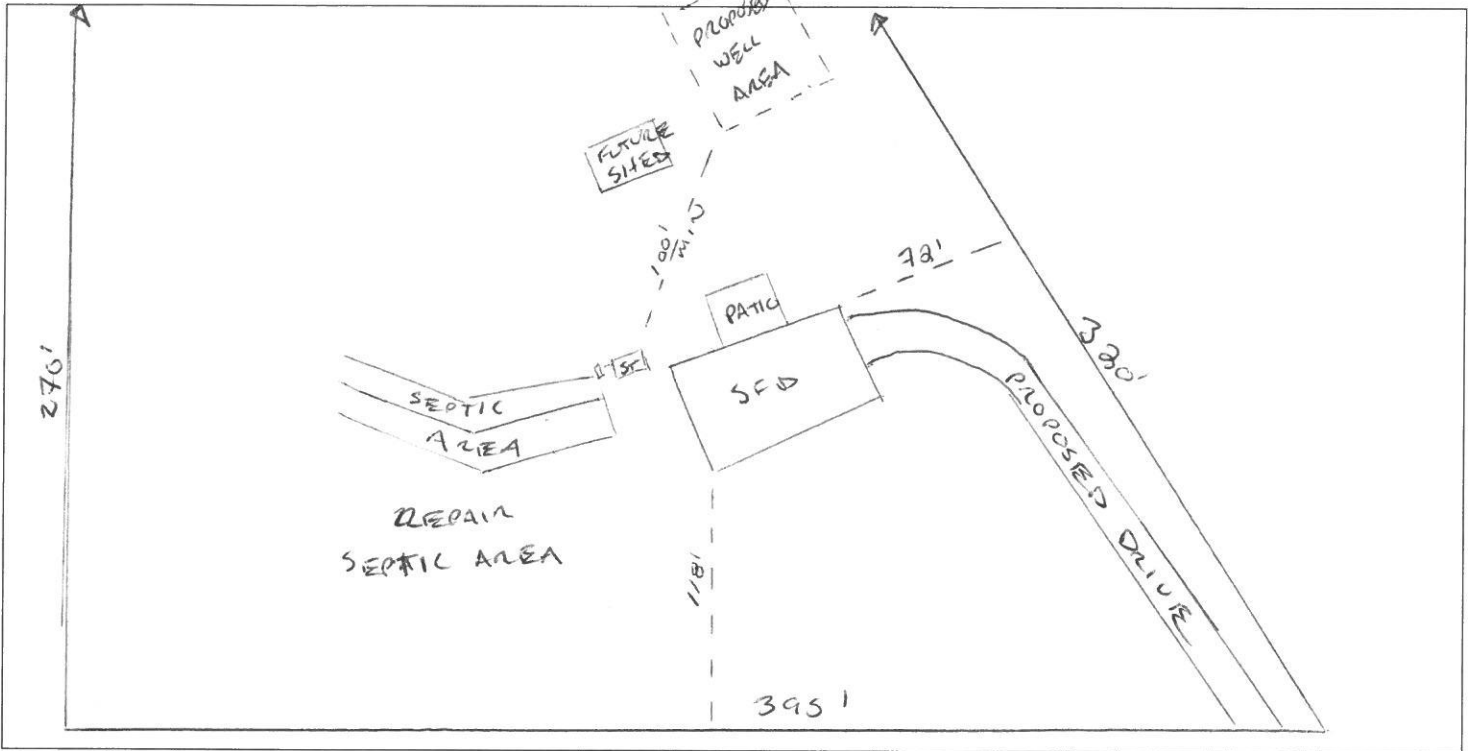
Casing Height: 12.5 (above finished grade) Access Port: Vent Stack:
Well ID Tag: Pump ID Tag: _____ Sampling Tap: Backflow Preventer:
Sample Taken? Yes No Well Head properly sealed:

Remarks: _____

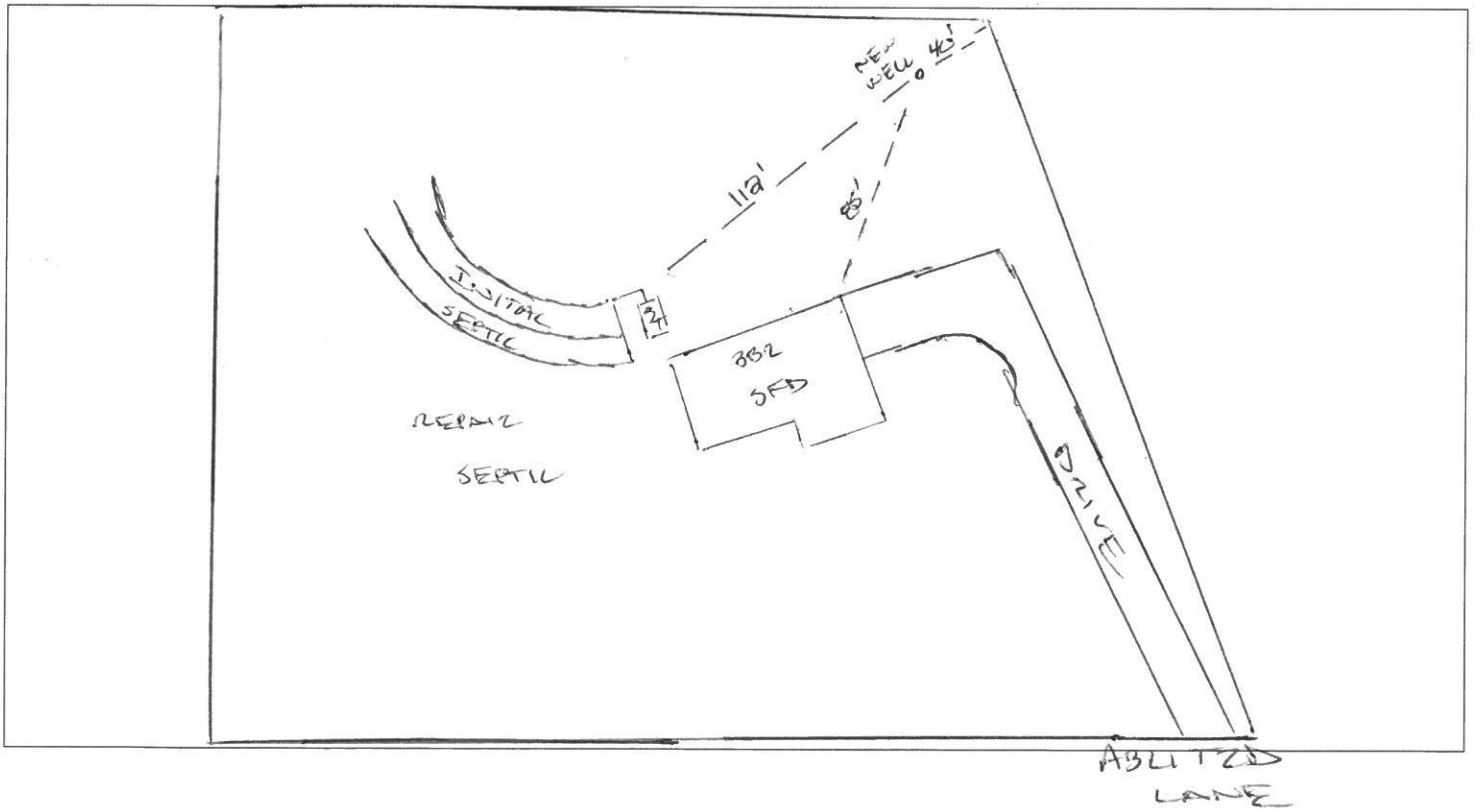
Authorized State Agent [Signature] Date 07/02/2018

See Attachment for completion sketch

Well Construction Sketch



Well Completion Sketch



Revised

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Felton Jacobs

Well Contractor Name
2765A

NC Well Contractor Certification Number
N.W. Poole Well & Pump Co.

Company Name

2. Well Construction Permit #:

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

- Agricultural Municipal/Public
- Geothermal (Heating/Cooling Supply) Residential Water Supply (single)
- Industrial/Commercial Residential Water Supply (shared)
- Irrigation

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- Aquifer Recharge Groundwater Remediation
- Aquifer Storage and Recovery Salinity Barrier
- Aquifer Test Stormwater Drainage
- Experimental Technology Subsidence Control
- Geothermal (Closed Loop) Tracer
- Geothermal (Heating/Cooling Return) Other (explain under #21 Remarks)

4. Date Well(s) Completed: 6-6-18 Well ID#

5a. Well Location
Richard & Rebecca Lamy

Facility/Owner Name 229 Abitza Ln. Angier Facility ID# (if applicable)

Physical Address, City, and Zip Harnett Co 0692-78-0141.000
County Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.475307 N -78.673929 W

6. Is (are) the well(s): Permanent or Temporary

7. Is this a repair to an existing well: Yes or No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1
For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

9. Total well depth below land surface: 144 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 20 (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 6 (in.)
Rotary

12. Well construction method:
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) 50 Method of test: Blow
HTH
13b. Disinfection type: Amount: 1 lb.

For Internal Use ONLY:

14. WATER ZONES		DESCRIPTION	
FROM	TO		
ft.	<u>135</u> ft.	<u>soft</u>	
ft.	ft.		

15. OUTER CASING (for multificased wells) OR LINER (if applicable)				
FROM	TO	DIAMETER	THICKNESS	MATERIAL
<u>1</u> ft.	<u>71</u> ft.	<u>6</u> in.	<u>188</u>	<u>Galv</u>
ft.	ft.			
ft.	ft.			

16. INNER CASING OR TUBING (Geothermal closed-loop)				
FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.		lp.	
ft.	ft.		in.	

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.				
ft.	ft.				

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
<u>0</u> ft.	<u>20</u> ft.	<u>Hole Plug</u>	<u>Poured</u>
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)			
FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (Attach and identify if necessary)		
FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grains size, etc.)
<u>0</u> ft.	<u>3</u> ft.	<u>TOP SOIL</u>
<u>3</u> ft.	<u>20</u> ft.	<u>CLAY</u>
<u>20</u> ft.	<u>45</u> ft.	<u>sand</u>
<u>45</u> ft.	<u>145</u> ft.	<u>SLATE</u>
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS
Used hardened steel drive shoe

22. Certification:

Felton Jacobs 6-6-18
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mall Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mall Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Felton Jacobs

Well Contractor Name

2765A

NC Well Contractor Certification Number

N.W. Poole Well & Pump Co.

Company Name

2. Well Construction Permit #:

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

- Agricultural
- Geothermal (Heating/Cooling Supply)
- Industrial/Commercial
- Irrigation
- Municipal/Public
- Residential Water Supply (single)
- Residential Water Supply (shared)

Non-Water Supply Well:

- Monitoring
- Injection Well:
 - Aquifer Recharge
 - Aquifer Storage and Recovery
 - Aquifer Test
 - Experimental Technology
 - Geothermal (Closed Loop)
 - Geothermal (Heating/Cooling Return)
 - Recovery
 - Groundwater Remediation
 - Salinity Barrier
 - Stormwater Drainage
 - Subsidence Control
 - Tracer
 - Other (explain under #21 Remarks)

4. Date Well(s) Completed: 6-4-18 Well ID#

5a. Well Location:

Richard & Rebecca Lamy

Facility/Owner Name Facility ID# (if applicable)

229 Apt. #2 Ln, Angier

Physical Address, City, and Zip

Harnett co

County

0912-78-0141-000
Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35.475307 -N -78.673929 W

6. Is (are) the well(s): Permanent or Temporary

7. Is this a repair to an existing well: Yes or No

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10. Static water level below top of casing: 20 (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 6 (in.)

Rotary

12. Well construction method (i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) 50 Method of test: Blow

13b. Disinfection type: HTH Amount: 1 lb.

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	<u>135'</u>	<u>50'</u>
ft.	ft.	

15. OUTER CASING (for multiple wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
<u>1</u> ft.	<u>62'</u>	<u>6</u> in.	<u>188</u>	<u>galv</u>

16. INNER CASING OR TUBING (for multiple wells)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
<u>0</u> ft.	<u>20</u> ft.	<u>hole plug</u>	<u>paired</u>
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (if applicable) (if not, see #21)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
<u>0</u> ft.	<u>3</u> ft.	<u>top soil</u>
<u>3</u> ft.	<u>20</u> ft.	<u>clay</u>
<u>20</u> ft.	<u>45</u> ft.	<u>sand</u>
<u>45</u> ft.	<u>145</u> ft.	<u>slate</u>
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

Used hardened steel drive shoe

22. Certification:

Felton Jacobs
Signature of Certified Well Contractor

6-4-18
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

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