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Wilmington, North Carolina 28404-0279

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www.catlinusa.com

March 09, 2015

North Carolina Department of Environment and Natural Resources
Division of Water Quality
Information Processing
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

**Re: NC Well Construction and/or Abandonment Record(s)
Greenville, North Carolina
CATLIN Project No.: 213161**

To Whom It May Concern:

CATLIN Engineers and Scientists (CATLIN) recently constructed and/or abandoned well(s) at the above referenced site. Attached to this letter are completed North Carolina Well Construction Records and/or North Carolina Well Abandonment Records with associated Attachment(s) for the above referenced project at various sites located in Greenville, North Carolina.

If you have any questions or require any additional information, please feel free to contact us at (910) 452-5861.

Sincerely,

A handwritten signature in black ink that reads "Benjamin J. Ashba".

Benjamin J. Ashba, LG
Project Manager

Enclosures

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name

2927A MW-73

NC Well Certification Number

Well Identification

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

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: 01/05/2015

5a. Well Location:

PARCEL 73 N/A

Facility/Owner Name Facility ID# (if applicable)

905 Dickinson Ave., Greenville 27834

Physical Address, City, and Zip

Pitt

County Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.60777 N -77.37782 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: 14.5 (ft.)

For multiple wells list all depths if different (example - 3@200' and 2@100')

10. Static water level below top of casing: 8.65 (ft.)

If water level is above use "--"

11. Borehole diameter: 8.25 (in.)

12. Well construction method: CPT / DPT

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm): _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	4.5 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
4.5 ft.	14.5 ft.	1 in.	Slot .010	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	2 ft.	Portland Cement	Surface Pour
2 ft.	3.5 ft.	Bent. Pellets	Surface Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
3.5 ft.	16 ft.	#2 Med. Torpedo Sand	Surface Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

SEE ATTACHED

21. REMARKS

22. Certification:

[Signature] 2/4/15
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 2C 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 Mail Service Center, Raleigh, NC 27699-1617

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

Division of Water Resources, Underground Injection Control Program,
1636 Mail 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 LOG



213161
Wilmington NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: PARCEL 73		LOGGED BY: Ben Ashba	WELL ID:
		DRILLER: William J. Miller	MW-73
NORTHING: 680065.7000	EASTING: 2482150.9800	CREW: CATLIN	
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION: SE Corner of Parcel 73	T.O.C. ELEV.: 51.20	
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	0 HOUR DTW: 8.7	TOTAL DEPTH: 16.0
START DATE: 01/05/15	FINISH DATE: 01/05/15	24 HOUR DTW: N/A	WELL DEPTH: 14.5

DEPTH	BLOW COUNT				OVA (ppm)	LAB. ID.	M O I S	L O G	SOIL AND ROCK DESCRIPTION		ELEVATION	WELL DETAIL
	0.5ft	0.5ft	0.5ft	0.5ft					DEPTH	DESCRIPTION		
									0.0	LAND SURFACE	51.2	0.0
									3.0	(SM) - Brown grading to gray/tan, Silty, f. SAND		2.0
						73 (3')			3.5		47.7	3.5
									4.5	(SC) - Light tan/gray, Clayey, f. SAND	46.7	4.5
									6.0	(CL) - Orangish brown, Sandy CLAY		
						73 (6')			8.0		43.2	
									8.5	(SC) - Clayey SAND w/Sand lenses @ 8.5ft.	42.7	
									8.7	Moist	42.5	
									9.5	(SP) -		
									9.5	(SC) -	41.7	
									10.5	(SP) - Orangish brown, f. SAND. Sat.	40.7	
									12.0	(CL) - Orangish brown, CLAY. Soft w/sharp color change @ 11ft. Sand lense @ 12ft.	39.2	
									12.2	(SP) -	39.0	
									13.5	(CL) -	37.7	
									14.5	(SC) - Clayey SAND	36.7	14.5
									16.0	(SP) - Orangish brown, f. to med. SAND	35.2	16.0
									16.0	Boring Terminated at Elevation 35.2 ft	35.2	16.0

CATLIN BORING LOG 214092_NCDOT-GREENVILLE.GPJ CATLIN.GDT 01/13/15

Portland Cement
 Bentonite Pellets
 #2 Medium Sand

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name

2927A

NC Well Contractor Certification Number

MW-206

Well Identification

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

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: 01/06/2015

5a. Well Location:

PARCEL 209 N/A

Facility/Owner Name Facility ID# (if applicable)

911 Dickinson Ave., Greenville 27834

Physical Address, City, and Zip

Pitt

County

Parcel Identification No. (PIN)

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

35.60777 N -77.37881 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: 16.9 (ft.)

For multiple wells list all depths if different (example - 3 @ 200' and 2 @ 100')

10. Static water level below top of casing: 9.29 (ft.)

If water level is above use "+"

11. Borehole diameter: 8.25 (in.)

12. Well construction method: CPT / DPT

(i.e. auger, rotary, cable direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm): _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	6.9 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
6.9 ft.	16.9 ft.	1 in.	Slot .010	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	0.5 ft.	Portland Cement	Surface Pour
0.5 ft.	3.9 ft.	Bent. Pellets	Surface Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
3.9 ft.	16.9 ft.	#2 Med. Torpedo Sand	Surface Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

SEE ATTACHED

21. REMARKS

22. Certification:

[Signature]
Signature of Certified Well Contractor

2/2/15
Date

By signing this form I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 2C 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 Mail Service Center, Raleigh, NC 27699-1617

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

Division of Water Resources, Underground Injection Control Program,
1636 Mail 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 LOG



213161
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: PARCEL 209		LOGGED BY: William J. Walsh	WELL ID: MW-206
NORTHING: 680063.5700		EASTING: 2481858.2000	CREW: CATLIN
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION: NE Corner of 309 9th St.		T.O.C. ELEV.: 46.87
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	0 HOUR DTW: 9.3	TOTAL DEPTH: 16.9
START DATE: 01/06/15	FINISH DATE: 01/06/15	24 HOUR DTW: N/A	WELL DEPTH: 16.9

DEPTH	BLOW COUNT				OVA (ppm)	LAB. ID.	M O I S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION	WELL DETAIL
	0.5ft	0.5ft	0.5ft	0.5ft								
									0.0	LAND SURFACE	46.9	0.0
									0.5	ASPHALT	46.4	0.0
									1.5	(SM) - Tan, Silty, f. SAND	45.4	0.5
									2.5	(ML) - Black, SILT w/some f. Sand	44.4	
3.0						Parcel 206 (2-4')			4.2	(SP) - Tan, f. SAND	42.7	3.9
5.0						Parcel 206 (5-6')			5.0	(CL) - Orange, Silty CLAY. Med. plast.	41.9	
									6.0	(SP) - Tan, f. SAND	40.9	
									6.9	(SM) - Orange, Silty, f. SAND w/tr. clay and clay lenses.		
									13.0		33.9	
									13.5	(CL) - Tan, Silty CLAY. Med. plast.	33.4	
									15.0	(SP/SM) - Orange, f. SAND w/some. Silt	31.9	
									16.9	(CH) - Tan, CLAY. High plast.	30.0	
16.9									16.9	Boring Terminated at Elevation 30.0 ft	30.0	16.9

CATLIN BORING LOG - 214092 - NCDOT - GREENVILLE.GPJ - CATLIN.GDT - 01/13/15

Portland Cement
 Bentonite Pellets
 #2 Medium Sand

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name

2927A

NC Well Contractor Certification Number

309 9TH ST

Well Identification

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

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: 01/05/2015

5a. Well Location:

309 9TH STREET

N/A

Facility/Owner Name

Facility ID# (if applicable)

309 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

County

Parcel Identification No. (PIN)

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

35.60735 N

-77.37644 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: 13.5 (ft.)

For multiple wells list all depths if different (example - 3@200' and 2@100')

10. Static water level below top of casing: 3.6 (ft.)

If water level is above use "+"

11. Borehole diameter: 8.25 (in.)

12. Well construction method: CPT / DPT

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm): _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	3.5 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
3.5 ft.	13.5 ft.	1 in.	Slot .010	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	0.5 ft.	Portland Cement	Surface Pour
0.5 ft.	2 ft.	Bent. Pellets	Surface Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
2 ft.	16 ft.	#2 Med. Torpedo Sand	Surface Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

SEE ATTACHED

21. REMARKS

22. Certification:

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 2C 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 Mail Service Center, Raleigh, NC 27699-1617

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

Division of Water Resources, Underground Injection Control Program,
1636 Mail 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.

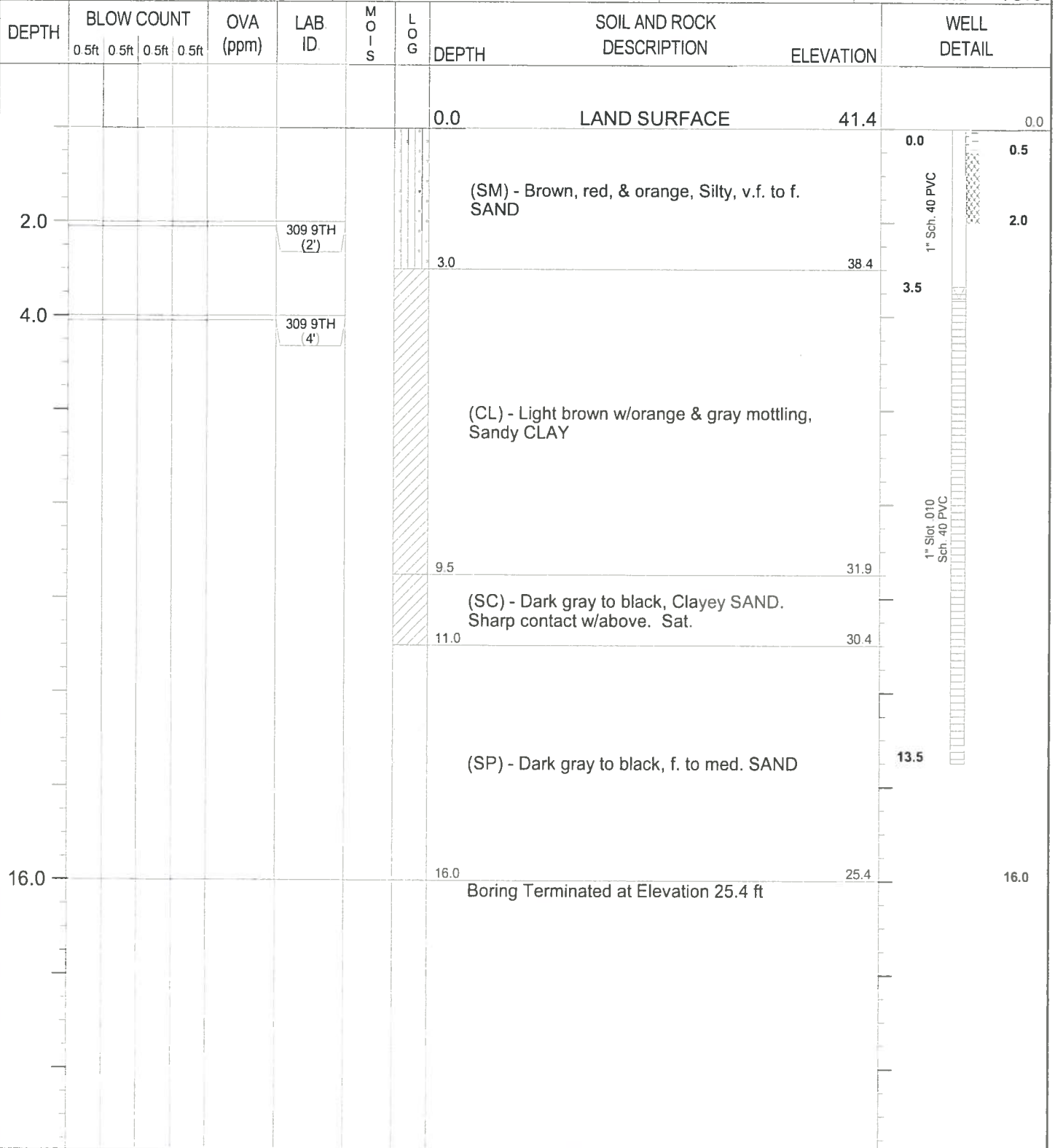
WELL LOG



213161
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: 309 9TH STREET	LOGGED BY: Ben Ashba	WELL ID: 309 9TH ST	
	DRILLER: William J. Miller		
NORTHING: 679922.8300	EASTING: 2482564.4500	CREW: CATLIN	
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION: Near Int. of 9th & Dickinson	T.O.C. ELEV.: 41.43	
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	0 HOUR DTW: 3.6	TOTAL DEPTH: 16.0
START DATE: 01/05/15	FINISH DATE: 01/05/15	24 HOUR DTW: N/A	WELL DEPTH: 13.5



CATLIN BORING LOG - 214092 - NCDOT-GREENVILLE.GPJ - CATLIN.GDT - 01/13/15

Portland Cement
 Bentonite Pellets
 #2 Medium Sand

WELL LOG



213161
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: 201 9TH STREET	LOGGED BY: Ben Ashba	WELL ID: 201 9TH ST	
NORTHING: 679872.9500	EASTING: 2482886.6500	DRILLER: William J. Miller	CREW: CATLIN
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION: 201 9th St. SW Quad.	T.O.C. ELEV.: 40.86	
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	0 HOUR DTW: 6.7	TOTAL DEPTH: 16.0
START DATE: 01/05/15	FINISH DATE: 01/05/15	24 HOUR DTW: N/A	WELL DEPTH: 15.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB. ID.	M O I S	L O G	SOIL AND ROCK DESCRIPTION			WELL DETAIL
	0.5ft	0.5ft	0.5ft	0.5ft					DEPTH	DESCRIPTION	ELEVATION	
0.0									0.0	LAND SURFACE	40.9	0.0
1.5									1.5	(SW) - Black to gray, Gravelly, Silty, Clayey SAND	39.4	1.0
2.0						201 9TH (2')						3.0
4.0						201 9TH (4')						5.0
14.0									14.0	(CL) - Orangish brown and gray, Sandy CLAY. Mottled at depth. Soft @ 7ft. Wet @ 8ft. Sharp color change to gray @ 9.5ft.	26.9	
16.0									16.0	(SP) - Dark gray, f. to med. SAND	24.9	16.0
										Boring Terminated at Elevation 24.9 ft		

CATLIN BORING LOG 214092_NCDOT-GREENVILLE.GPJ_CATLIN.GDT_01/13/15

Portland Cement
 Bentonite Pellets
 #2 Medium Sand

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name

2927A

NC Well Contractor Certification Number

Parcel102 MW

Well Identification

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

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: 01/29/2015

5a. Well Location:

PARCEL 102

N/A

Facility/Owner Name

Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

County

Parcel Identification No. (PIN)

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

35.60623 N -77.37492 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: 16 (ft.)

For multiple wells list all depths if different (example - 3@200' and 2@100')

10. Static water level below top of casing: 7.9 (ft.)

If water level is above use "+"

11. Borehole diameter: 8.25 (in.)

12. Well construction method: CPT / DPT

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm): _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	6 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
6 ft.	16 ft.	1 in.	Slot .010	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	1 ft.	Portland Cement	Surface Pour
1 ft.	5 ft.	Bent. Pellets	Surface Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
5 ft.	20 ft.	#2 Medium Torpedo Sand	Surface Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

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 2C 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 Mail Service Center, Raleigh, NC 27699-1617

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

Division of Water Resources, Underground Injection Control Program,
1636 Mail 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 LOG



213161
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: PARCEL 102	LOGGED BY: Corey Futral	WELL ID: Parcel102 MW	DRILLER: William J. Miller
NORTHING: 679441.4300	EASTING: 2483003.6400	CREW: Tommy Chalmers	T.O.C. ELEV.: 45.14
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION:	0 HOUR DTW: 7.9	TOTAL DEPTH: 20.0
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	24 HOUR DTW: N/A	WELL DEPTH: 16.0
START DATE: 01/29/15	FINISH DATE: 01/29/15		

DEPTH	BLOW COUNT				OVA (ppm)	LAB. ID.	M O I S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION	WELL DETAIL
	0.5ft	0.5ft	0.5ft	0.5ft								
									0.0	LAND SURFACE	45.1	0.0
									4.5	(SM) - Brown, Silty f. SAND. Moist. Wet at 4.0'.	40.6	1.0
									8.0	(CL) - Lt. tan w/orange mottling and gray, CLAY. Low plasticity.	37.1	5.0
									20.0	(SP) - Lt. tan to lt. gray w/orange mottling increasing at depth, f. to med. SAND becoming a cse. SAND at 12.0' w/tr. clay lense throughout. Low plasticity. Saturated at 12.0'.	25.1	16.0
20.0									20.0	Boring Terminated at Elevation 25.1 ft in cse. SAND.	25.1	20.0

CATLIN BORING LOG - 214092 - NCDOT-GREENVILLE.GPJ - CATLIN.GDT - 02/03/15

 Portland Cement
  Bentonite Pellets
  #2 Medium Sand

WELL LOG



213161
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: PARCEL 104		LOGGED BY: Corey Futral	WELL ID: Parcel 104 MW
		DRILLER: William J. Miller	
NORTHING: 679519.6200	EASTING: 2483021.3700	CREW: Tommy Chalmers	
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION:	T.O.C. ELEV.: 45.09	
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	0 HOUR DTW: 8.5	TOTAL DEPTH: 16.0
START DATE: 01/29/15	FINISH DATE: 01/29/15	24 HOUR DTW: N/A	WELL DEPTH: 15.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB. ID.	M O I S	L O G	SOIL AND ROCK DESCRIPTION			WELL DETAIL
	0.5ft	0.5ft	0.5ft	0.5ft					DEPTH	ELEVATION		
									0.0	LAND SURFACE	45.1	0.0
									0.6	(ML) - Grass at top. Black, Silty Topsoil.	44.5	0.0
									4.0	(SM) - Tan to dark brown to black, Silty f. SAND. Saturated at 3.0'.	41.1	1.0
									8.0	(CL) - Lt. tan to brown w/gray and orange mottling, CLAY. Low plasticity.	37.1	4.0
									16.0	(SP) - Lt. tan w/orange mottling, med. to cse. SAND w/tr. clay lense to 12.5'. Low plasticity.	29.1	5.0
16.0										Boring Terminated at Elevation 29.1 ft in med. to cse. SAND.	29.1	15.0
												16.0

CATLIN BORING LOG 214092_NCDOT-GREENVILLE.GPJ.CATLIN.GDT_02/03/15

Portland Cement
 Bentonite Pellets
 #2 Medium Sand

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A

NC Well Contractor Certification Number

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Claudius Baines Property

N/A

Facility/Owner Name

Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

Unknown

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.6082454 N -77.3911002 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 020 MW-1

6b. Total well depth: 17 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 8 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 7 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neat Cement Grout | <input checked="" type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

20 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

Signature of Certified Well Contractor or Well Owner

3/9/15
Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Well Contractor Name (or well owner personally abandoning well on his/her property) _____

NC Well Contractor Certification Number _____

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|-------------------------------------|-----------------------------------|
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|-------------------------------------|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: _____

5a. Well Location:

Former Dennis Buck Property N/A
Facility/Owner Name Facility ID# (if applicable)

201 9th Street, Greenville 27834
Physical Address, City, and Zip

Pitt Unknown
County Parcel Identification No. (PIN)

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

35.6068903 N -77.3803095 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: _____

6b. Total well depth: (ft.)

6c. Borehole diameter: (in.)

6d. Water level below ground surface: (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): Unknown

6g. Screen length (if known): Unknown

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

7g. Provide a brief description of the abandonment procedure:

8. Certification:

 3/9/15
Signature of Certified Well Contractor or Well Owner Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A

NC Well Contractor Certification Number

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Dennis Buck Property

N/A

Facility/Owner Name

Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

Unknown

County

Parcel Identification No. (PIN)

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

35.6068354 N -77.380314 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 185 MW-2

6b. Total well depth: 13 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 7 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 3 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neat Cement Grout | <input checked="" type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

14 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

Signature of Certified Well Contractor or Well Owner

Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A

NC Well Contractor Certification Number

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Dennis Buck Property

N/A

Facility/Owner Name

Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

Unknown

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.6069288 N -77.3805174 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 185 MW-1

6b. Total well depth: 13 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 7 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 3 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neat Cement Grout | <input checked="" type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

14 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

[Signature]
Signature of Certified Well Contractor or Well Owner

3/9/15
Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller
Well Contractor Name (or well owner personally abandoning well on his/her property)
2927A
NC Well Contractor Certification Number
CATLIN Engineers and Scientists
Company Name

2. Well Construction Permit #: N/A
List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under 7g)

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Wilcar Executive Center N/A
Facility/Owner Name Facility ID# (if applicable)
201 9th Street, Greenville 27834
Physical Address, City, and Zip
Pitt Unknown
County Parcel Identification No. (PIN)

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

35.6061691 N -77.3758893 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 100 MW-8

6b. Total well depth: 14.5 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 6 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 4.5 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1
For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

<input type="checkbox"/> Neat Cement Grout	<input checked="" type="checkbox"/> Bentonite Chips or Pellets
<input type="checkbox"/> Sand Cement Grout	<input type="checkbox"/> Dry Clay
<input type="checkbox"/> Concrete Grout	<input type="checkbox"/> Drill Cuttings
<input type="checkbox"/> Specialty Grout	<input type="checkbox"/> Gravel
<input type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

17 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

[Signature] 3/9/15
Signature of Certified Well Contractor or Well Owner Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A

NC Well Contractor Certification Number

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Wilcar Executive Center

N/A

Facility/Owner Name

Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

Unknown

County

Parcel Identification No. (PIN)

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

35.6062005 N -77.3759727 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 100 MW-7

6b. Total well depth: 14.5 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 6 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 4.5 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neat Cement Grout | <input checked="" type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

17 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

Signature of Certified Well Contractor or Well Owner

Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A

NC Well Contractor Certification Number

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Wilcar Executive Center N/A

Facility/Owner Name Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt Unknown

County Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.606143 N -77.3759941 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 100 MW-6

6b. Total well depth: 14.5 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 6 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 4.5 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neat Cement Grout | <input checked="" type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

17 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

[Signature] 3/9/15
Signature of Certified Well Contractor or Well Owner Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

William J. Miller

Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A

NC Well Contractor Certification Number

CATLIN Engineers and Scientists

Company Name

2. Well Construction Permit #: N/A

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

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Claudius Baines Property

N/A

Facility/Owner Name

Facility ID# (if applicable)

201 9th Street, Greenville 27834

Physical Address, City, and Zip

Pitt

Unknown

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.6082419 N -77.3910431 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply well ONLY with the same construction abandonment, you can submit one form

6a. Well ID#: 020 MW-2

6b. Total well depth: 17 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 8 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 7 (ft.)

6g. Screen length (if known): 10 (ft)

For Internal Use ONLY

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neat Cement Grout | <input checked="" type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

20 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

Well gauged then filled to ~1ft below land surface with bentonite pellets then filled to land surface with concrete.

8. Certification:

Signature of Certified Well Contractor or Well Owner

Date

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

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

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

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

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.