



Geological Resources, Inc.

October 11, 2013

Ms. Genny Henderson
North Carolina Department of Environment
and Natural Resources
Division of Waste Management
127 Cardinal Drive
Wilmington, North Carolina 28405

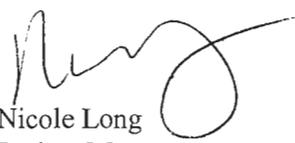
Re: Monitoring Well Abandonment
Planter's Warehouse
1003 Pireway Road
Tabor City, Columbus County
Incident No. Pending *NCNCD0002819*

Dear Ms. Henderson:

The purpose of this letter is to present the monitoring well abandonment forms for the Planter's Warehouse site. Please see attached forms for the abandonment of monitoring wells MW-1, MW-2, MW-3, MW-7 and DW-1.

Please do not hesitate to contact the undersigned at (704) 845-4010 if you have any questions or require additional information.

Sincerely,
Geological Resources, Inc.


Nicole Long
Project Manager

cc: Mr. Kyle Cox
file

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Justin Radford

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

3270

NC Well Contractor Certification Number

Geological Resources Inc.

Company Name

2. Well Construction Permit #:

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 7g)

4. Date well(s) abandoned: 10/07/13

5a. Well location:

Planter's Warehouse

N/A

Facility/Owner Name

Facility ID# (if applicable)

1003 Pireway Road, Tabor City, 28463

Physical Address, City, and Zip

Columbus County

12361

County

Parcel Identification No. (PIN)

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

34.1545 N 78.87238 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

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

6a. Well ID#: MW-1

6b. Total well depth: 11.7 (ft.)

6c. Borehole diameter: Unk. (in.)

6d. Water level below ground surface: 3.59 (ft.)

6e. Outer casing length (if known): NA (ft.)

6f. Inner casing/tubing length (if known): 1.7 (ft.)

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

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): 1.35 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: _____

7d. Amount of disinfectant used: _____

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

- Neat Cement Grout Bentonite Chips or Pellets
 Sand Cement Grout Dry Clay
 Concrete Grout Drill Cuttings
 Specialty Grout Gravel
 Bentonite Slurry Other (explain under 7g)

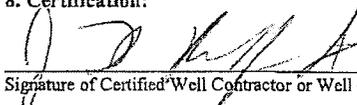
7f. For each material selected above, provide amount of materials used:

25 lbs with 1.5 gallons of water

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

Tremmie grout

8. Certification:


Signature of Certified Well Contractor or Well Owner

10/10/13

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 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

For Internal Use ONLY:

1. Well Contractor Information:

Justin Radford

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

3270

NC Well Contractor Certification Number

Geological Resources Inc.

Company Name

2. Well Construction Permit #:

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 7g)

4. Date well(s) abandoned: 10/07/13

5a. Well location:

Planter's Warehouse

N/A

Facility/Owner Name

Facility ID# (if applicable)

1003 Pireway Road, Tabor City, 28463

Physical Address, City, and Zip

Columbus County

12361

County

Parcel Identification No. (PIN)

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

34.1545 N 78.87238 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

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

6a. Well ID#: MW-2

6b. Total well depth: 12.0 (ft.)

6c. Borehole diameter: Unk. (in.)

6d. Water level below ground surface: 3.19 (ft.)

6e. Outer casing length (if known): NA (ft.)

6f. Inner casing/tubing length (if known): 2.0 (ft.)

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

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): 1.25 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: _____

7d. Amount of disinfectant used: _____

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

- Neat Cement Grout Bentonite Chips or Pellets
- Sand Cement Grout Dry Clay
- Concrete Grout Drill Cuttings
- Specialty Grout Gravel
- Bentonite Slurry Other (explain under 7g)

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

25 lbs with 1.5 gallons of water

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

Tremmie grout

8. Certification:

 10/10/13
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 .0200 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

For Internal Use ONLY:

1. Well Contractor Information:

Justin Radford

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

3270

NC Well Contractor Certification Number

Geological Resources Inc.

Company Name

2. Well Construction Permit #:

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 7g)

4. Date well(s) abandoned: 10/07/13

5a. Well location:

Planter's Warehouse

N/A

Facility/Owner Name

Facility ID# (if applicable)

1003 Pireway Road, Tabor City, 28463

Physical Address, City, and Zip

Columbus County

12361

County

Parcel Identification No. (PIN)

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

34.1545 N 78.87238 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

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

6a. Well ID#: MW-3

6b. Total well depth: 12.0 (ft.)

6c. Borehole diameter: Unk. (in.)

6d. Water level below ground surface: 4.35 (ft.)

6e. Outer casing length (if known): NA (ft.)

6f. Inner casing/tubing length (if known): 2.0 (ft.)

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

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): 1.25 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: _____

7d. Amount of disinfectant used: _____

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

- Neat Cement Grout Bentonite Chips or Pellets
 Sand Cement Grout Dry Clay
 Concrete Grout Drill Cuttings
 Specialty Grout Gravel
 Bentonite Slurry Other (explain under 7g)

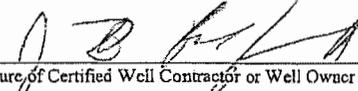
7f. For each material selected above, provide amount of materials used:

25 lbs with 1.5 gallons of water

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

Tremmie grout

8. Certification:


Signature of Certified Well Contractor or Well Owner

10/10/13

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 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

For Internal Use ONLY:

1. Well Contractor Information:

Justin Radford

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

3270

NC Well Contractor Certification Number

Geological Resources Inc.

Company Name

2. Well Construction Permit #:

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 7g)

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): 1.25 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: _____

7d. Amount of disinfectant used: _____

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

- Neat Cement Grout Bentonite Chips or Pellets
 Sand Cement Grout Dry Clay
 Concrete Grout Drill Cuttings
 Specialty Grout Gravel
 Bentonite Slurry Other (explain under 7g)

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

25 lbs with 1.5 gallons of water

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

Tremmie grout

4. Date well(s) abandoned: 10/07/13

5a. Well location:

Planter's Warehouse

N/A

Facility/Owner Name

Facility ID# (if applicable)

1003 Pireway Road, Tabor City, 28463

Physical Address, City, and Zip

Columbus County

12361

County

Parcel Identification No. (PIN)

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

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

34.1545 N 78.87238 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

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

6a. Well ID#: MW-7

6b. Total well depth: 7.0 (ft.)

6c. Borehole diameter: Unk. (in.)

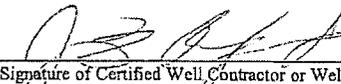
6d. Water level below ground surface: 2.65 (ft.)

6e. Outer casing length (if known): NA (ft.)

6f. Inner casing/tubing length (if known): 2.0 (ft.)

6g. Screen length (if known): 5 (ft.)

8. Certification:


Signature of Certified Well Contractor or Well Owner

10/10/13

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

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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

For Internal Use ONLY:

1. Well Contractor Information:

Justin Radford

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

3270

NC Well Contractor Certification Number

Geological Resources Inc.

Company Name

2. Well Construction Permit #:

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 7g)

4. Date well(s) abandoned: 10/07/13

5a. Well location:

Planter's Warehouse

N/A

Facility/Owner Name

Facility ID# (if applicable)

1003 Pireway Road, Tabor City, 28463

Physical Address, City, and Zip

Columbus County

12361

County

Parcel Identification No. (PIN)

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

34.1545 N 78.87238 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

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

6a. Well ID#: DW-1

6b. Total well depth: 25.0 (ft.)

6c. Borehole diameter: Unk. (in.)

6d. Water level below ground surface: 6.04 (ft.)

6e. Outer casing length (if known): unknown (ft.)

6f. Inner casing/tubing length (if known): 20.0 (ft.)

6g. Screen length (if known): 5.0 (ft.)

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): 3.16 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: _____

7d. Amount of disinfectant used: _____

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

- Neat Cement Grout Bentonite Chips or Pellets
- Sand Cement Grout Dry Clay
- Concrete Grout Drill Cuttings
- Specialty Grout Gravel
- Bentonite Slurry Other (explain under 7g)

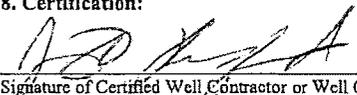
7f. For each material selected above, provide amount of materials used:

94 lbs with 6.25 gallons of water

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

Tremmie grout

8. Certification:


Signature of Certified Well Contractor or Well Owner

10/10/13

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

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1636 Mail Service Center, Raleigh, NC 27699-1636

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