

WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR (INDIVIDUAL) NAME (print) ANTHONY A SHUSTER CERTIFICATION # 2573
WELL CONTRACTOR COMPANY NAME GRAHAM & CURRIE PHONE # (919) 673-2921
STATE WELL CONSTRUCTION PERMIT# _____ ASSOCIATED WQ PERMIT# _____
(if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐
Monitoring ☐ Recovery ☐ Heat Pump Water Injection ☐ Other ☒ If Other, List Use TEMP WELL

2. WELL LOCATION:
Nearest Town: PITTSBORO County CHATHAM
Buck Mtn South, Hwy 87, Old Graham Rd.
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land Setting
☐ Ridge ☐ Slope ☒ Valley ☐ Flat
(check appropriate box)
Latitude/longitude of well location

3. OWNER: Polk Sullivan LLC
Address Po Box 5689
(Street or Route No.)
Cary NC 27512
City or Town State Zip Code
(919) 783 8395 Ed Andrews - Hydrogeologist
Area code- Phone number

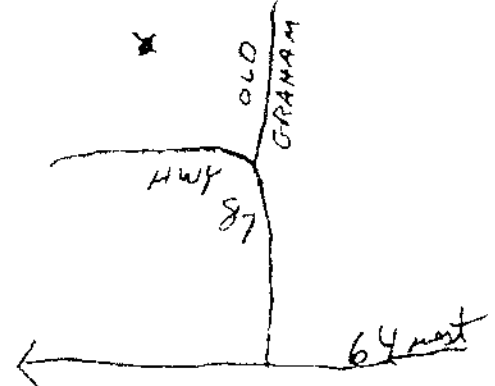
(degrees/minutes/seconds)
Latitude/longitude source: ☐ GPS ☒ Topographic map
(check box)

DEPTH		DRILLING LOG
From	To	Formation Description
0	25	clay
25	30	weathered rock
30	38	blue gray rock

4. DATE DRILLED 12-30-04
5. TOTAL DEPTH: 38
6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
7. STATIC WATER LEVEL Below Top of Casing _____ FT.
(Use "A" if Above Top of Casing)
8. TOP OF CASING IS 2 FT. Above Land Surface*
*Top of casing terminated either below land surface requires a variance in accordance with 15A NCAC 2C .0112.
9. YIELD (gpm): _____ METHOD OF TEST NA
10. WATER ZONES (depth): 35

11. DISINFECTION: Type NA Amount _____
12. CASING:
Well Thickness
From 30 To +2 Ft. Diameter 2 or Weight/Ft. sch 40 Material PVC
From _____ To _____ Ft. _____
From _____ To _____ Ft. _____
13. GROUT: Depth Material Method
From 24 To 0 Ft. Ballata pour
From _____ To _____ Ft. _____
14. SCREEN: Depth Diameter Slot Size Material
From 35 To 30 Ft. 2" in. 0.10 in. PVC
From _____ To _____ Ft. _____ in. _____ in. _____
15. SAND/GRAVEL PACK:
From 35 To 24 Ft. Size #2 Material sand
From _____ To _____ Ft. _____

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.



16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

SIGNATURE OF PERSON CONSTRUCTING THE WELL

DATE

Submit the original to the Division of Water Quality, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015, within 30 days.

GW-1 REV. 09/2004

mailed 1/10

#2

WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR (INDIVIDUAL) NAME (print) ANTHONY A SHUSTER CERTIFICATION # 2573
 WELL CONTRACTOR COMPANY NAME GRANHAM & CURRIE PHONE # (910) 673-2921
 STATE WELL CONSTRUCTION PERMIT# _____ ASSOCIATED WQ PERMIT# _____
 (if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐
 Monitoring ☐ Recovery ☐ Heat Pump Water Injection ☐ Other ☒ Other, List Use TEMP WELL

2. WELL LOCATION:
 Nearest Town: PITTSBORD County CHATAM
Hwy 87 old Graham Rd
 (Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
☐ Ridge ☐ Slope ☒ Valley ☐ Flat
 (check appropriate box)
 Latitude/longitude of well location

3. OWNER: Hydrogeologist: Ed Andrews
Owner: Polk Sullivan LLC
 Address PO Box 5689
 (Street or Route No.)
Cary NC 27512
 City or Town State Zip Code
(919) 783 8395 Ed Andrews
 Area code- Phone number

(degrees/minutes/seconds)
 Latitude/longitude source: ☐ GPS ☐ Topographic map
 (check box)

DEPTH DRILLING LOG
 From To Formation Description

4. DATE DRILLED 1-6-05
 5. TOTAL DEPTH: 47
 6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
 7. STATIC WATER LEVEL Below Top of Casing. 14 FT.
 (Use "+" if Above Top of Casing)
 8. TOP OF CASING IS 3 FT. Above Land Surface*
 *Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
 9. YIELD (gpm): 14 METHOD OF TEST
 10. WATER ZONES (depth): 43

0-21 clay
21-25 red and rock
25-47 blue rock

11. DISINFECTION: Type N/A Amount
 12. CASING: Wall Thickness or Weight/Ft. Material

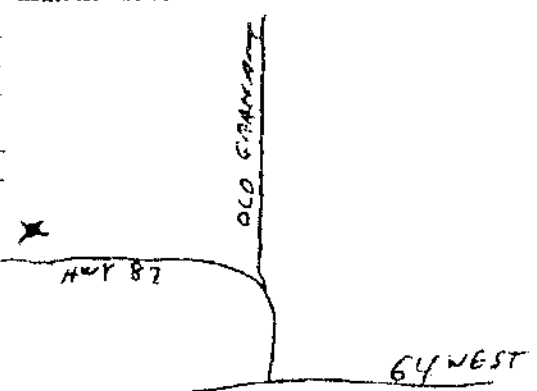
From	To	Depth	Diameter	Material
From <u>42</u>	To <u>73</u>	Ft. <u>2</u>	<u>80440</u>	<u>PVC</u>
From	To	Ft.		
From	To	Ft.		

13. GROUT: Depth Material Method
 From 16 To 0 Ft. BEUTOWITE DOOR
 From To Ft.

14. SCREEN: Depth Diameter Slot Size Material
 From 47 To 42 Ft. 2 in. 0.10 in. PVC
 From To Ft. in. in.

15. SAND/GRAVEL PACK: Depth Size Material
 From 47 To 16 Ft. #2 SAND
 From To Ft.

LOCATION SKETCH
 Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.



16. REMARKS: Temporary Well

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

SIGNATURE OF PERSON CONSTRUCTING THE WELL

DATE

Submit the original to the Division of Water Quality, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015, within 30 days.

GW-1 REV. 09/2004

Noted
1/10

#3

WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Anthony A Shuster CERTIFICATION # 2573
 WELL CONTRACTOR COMPANY NAME GRAHAM & CURRIE PHONE # (910) 673-2921
 STATE WELL CONSTRUCTION PERMIT# _____ ASSOCIATED WQ PERMIT# _____
 (if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐
 Monitoring ☐ Recovery ☐ Heat Pump Water Injection ☐ Other ☒ If Other, List Use TEMP WELL

2. WELL LOCATION:

Nearest Town: PITTSBORO County CHATHAM
Bull Mt. South Hwy 87 : Old Graham Rd
 (Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
☐ Ridge ☐ Slope ☒ Valley ☐ Flat
 (check appropriate box)
 Latitude/longitude of well location

3. OWNER: Polla Sullivan LLC
 Address: PO Box 5689
 (Street or Route No.)
Cary NC 27512
 City or Town State Zip Code
 (919) 783 8395 Ed Andrews Hydrogeologist
 Area code- Phone number

(degrees/minutes/seconds)
 Latitude/longitude source: ☐ GPS ☐ Topographic map
 (check box)

4. DATE DRILLED 1-5-05
 5. TOTAL DEPTH: 28'
 6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
 7. STATIC WATER LEVEL Below Top of Casing: 14 FT.
 (Use "+" if Above Top of Casing)
 8. TOP OF CASING IS 3 FT. Above Land Surface*
 *Top of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0112
 9. YIELD (gpm): 14 METHOD OF TEST _____
 10. WATER ZONES (depth): 24

DEPTH DRILLING LOG
 From To Formation Description

0-12 clay
12-18 weathered rock
18-28 blue rock

11. DISINFECTION: Type NA Amount N/A
 12. CASING Wall Thickness

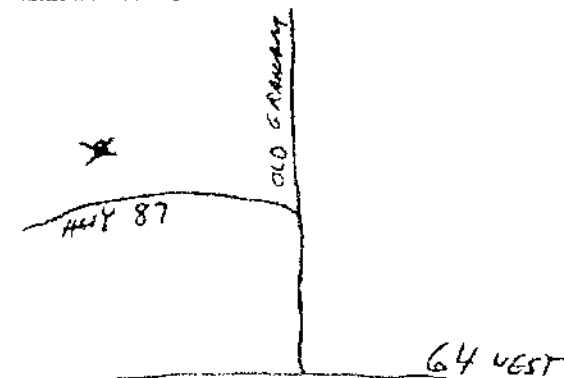
From	To	Depth	Diameter	or Weight	Material
From <u>23</u>	To <u>23</u>	Ft. <u>2</u>	<u>40</u>	<u>40</u>	<u>PVC</u>
From _____	To _____	Ft. _____	_____	_____	_____
From _____	To _____	Ft. _____	_____	_____	_____

13. GROUT: Depth Material Method
 From 10 To 0 Ft. BENTONITE POOR

14. SCREEN: Depth Diameter Slot Size Material
 From 28 To 23 Ft. 2 in. 0.10 in. PVC

15. SAND/GRAVEL PACK: Depth Size Material
 From 28 To 10 Ft. 2 SAND

LOCATION SKETCH
 Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.



16. REMARKS:

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SIGNATURE OF PERSON CONSTRUCTING THE WELL

DATE

Submit the original to the Division of Water Quality, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015, within 30 days.

GW-1 REV. 05/2004

Noted
 1/5

#4

WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR (INDIVIDUAL) NAME (print) ANTHONY A Shuster CERTIFICATION # 2573
 WELL CONTRACTOR COMPANY NAME GRAHAM & CURRIE PHONE # (919) 673 2921
 STATE WELL CONSTRUCTION PERMIT# _____ ASSOCIATED WO PERMIT# _____
 (if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐
 Monitoring ☐ Recovery ☐ Heat Pump Water Injection ☐ Other ☒ If Other, List Use TEMPERARY WELL

2. WELL LOCATION:
 Nearest Town: PITTSBORO County CHATAM
Buck Mtn. South, Hwy 87 Old Graham Rd
 (Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land Setting
☐ Ridge ☐ Slope ☒ Valley ☐ Flat
 (check appropriate box)
 Latitude/longitude of well location

3. OWNER: Polk Sullivan LLC
 Address Pd Box 5189
 (Street or Route No.)

(degrees/minutes/seconds)
 Latitude/longitude source: ☐ GPS ☒ Topographic map
 (check box)

Cory NC 27512
 City or Town State Zip Code
 (999) 783 9395 Ed Andrews - hydrogeologist
 Area code - Phone number

DEPTH
 From To
0-7
 DRILLING LOG
 Formation Description
clay

4. DATE DRILLED 12-30-04
 5. TOTAL DEPTH: 28
 6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
 7. STATIC WATER LEVEL Below Top of Casing: 14 FT.
 (Use "+" if Above Top of Casing)
 8. TOP OF CASING IS 2 FT. Above Land Surface*
 *Top of casing terminated at or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
 9. YIELD (gpm): _____ METHOD OF TEST NA
 10. WATER ZONES (depth): 24 ft

7-15
15-28
wetland rock
Blue Gray rock

11. DISINFECTION: Type NA Amount _____
 12. CASING:

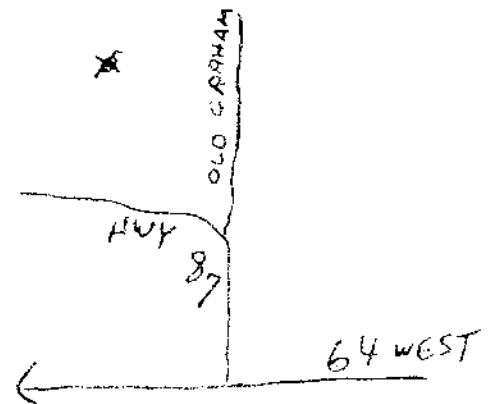
LOCATION SKETCH
 Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

From	To	Depth	Diameter	Well Thickness or Weight/Ft.	Material
From <u>23</u>	To <u>+2</u>	Ft. <u>2</u>	<u>4.0</u>	<u>PVC</u>	
From _____	To _____	Ft. _____	_____	_____	_____
From _____	To _____	Ft. _____	_____	_____	_____

13. GROUT: Depth From 5 To 0 Ft. BENTONITE Method POOR

From	To	Depth	Diameter	Slot Size	Material
From <u>28</u>	To <u>23</u>	Ft. <u>2"</u>	<u>0.10</u>	<u>PVC</u>	
From _____	To _____	Ft. _____	_____	_____	_____

15. SAND/GRAVEL PACK:
 From 28 To 5 Depth Ft. #2 Material SAND
 From _____ To _____ Depth Ft. _____ Material _____



16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Anthony A Shuster 12-30-04
 SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015, within 30 days.

GW-1 REV. 09/2004

waited
1/10