

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

PIN #: 1506-23-8605.000 Parcel #: 061506 0005 05 Application #: 11-5-26139 Subdivision: Carl  
Hamilton Est Lot #: 6

Applicant Name: John E Smith Jr  
Address: 1220 Old Hamilton Rd Dunn N.C. 28334

Type of Facility Served by Well: SFD

Sewage System: 25%Reduction System

Permit Conditions:

General Permit Conditions:

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

Authorized State Agent: James C. Markert Date \_\_\_\_\_

Grouting Inspection Witnessed \_\_\_\_\_ Date \_\_\_\_\_

Grouting self-certified by driller GW-1 provided?  Yes  No

See attachment for construction sketch

WELL CERTIFICATE OF COMPLETION

Date: Application #: Well Contractor: \_\_\_\_\_

Applicant Name: JOHN SMITH JR  
Address: 1220 Old Hamilton Rd Dunn N.C. 28334  
Directions to Site: \_\_\_\_\_

Use of Well: \_\_\_\_\_ Date Drilled: 5-31-11 Total Depth: 25' Replacement Well?  Yes  No  
Static Water Level: \_\_\_\_\_ Top of Casing is \_\_\_\_\_ in. above surface. Yield: \_\_\_\_\_ gpm at \_\_\_\_\_ ft.  
Disinfection: Type \_\_\_\_\_ Amount \_\_\_\_\_

<u>Water Zone (depth)</u>	<u>Casing</u>	<u>Grout</u>
From _____ To _____	From <u>0</u> To <u>25'</u>	From <u>0</u> To _____
From _____ To _____	Diameter: _____ Material: _____ Thickness: _____	Material: _____ Method: _____
From _____ To _____	From _____ To _____	From _____ To _____
	Diameter: _____ Material: _____ Thickness: _____	Material: _____ Method: _____
	From _____ To _____	From _____ To _____
	Diameter: _____ Material: _____ Thickness: _____	Material: _____ Method: _____

Inspector: \_\_\_\_\_ On Hold Date: \_\_\_\_\_ Release Date: \_\_\_\_\_

Remarks: \_\_\_\_\_

Well Head Information

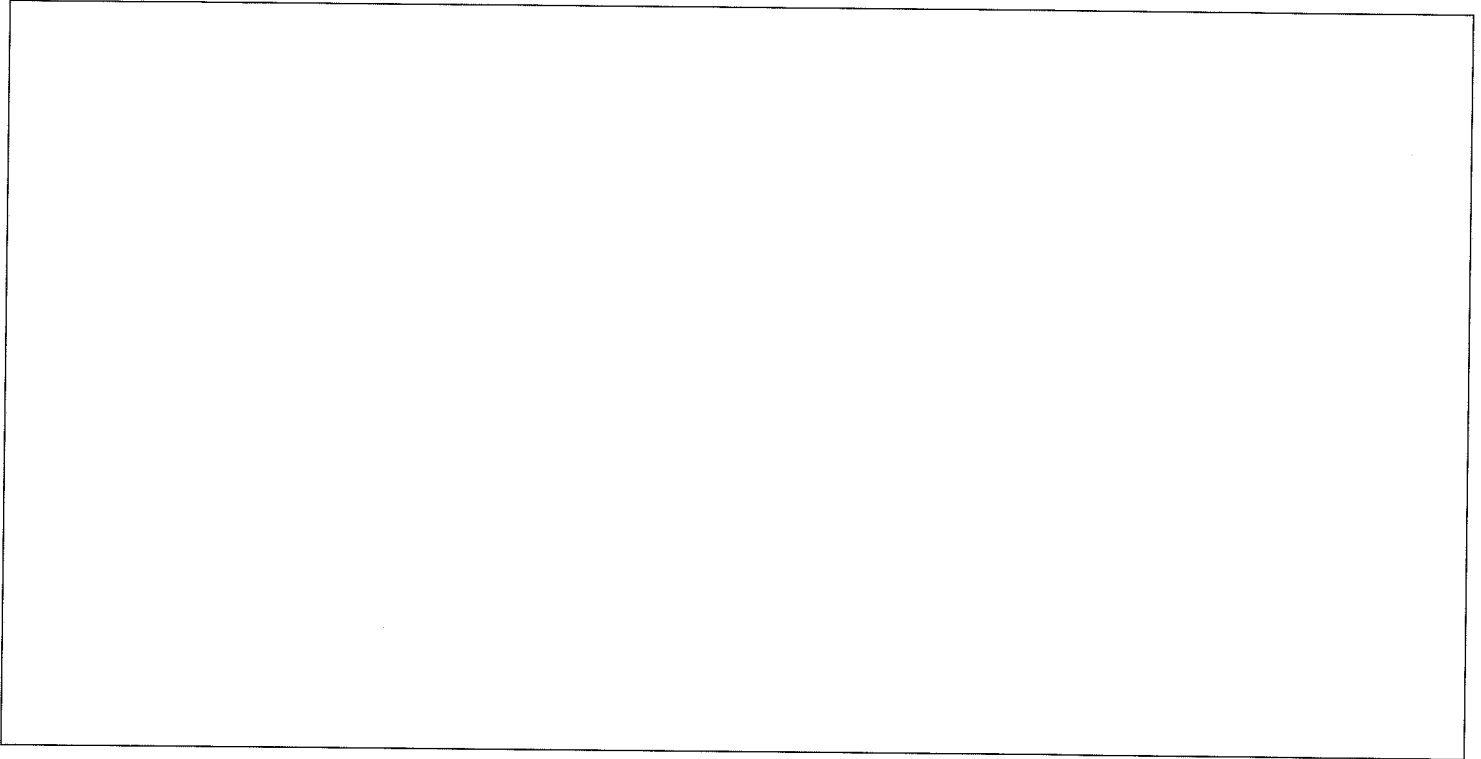
Casing Height: 17' (above finished grade) Access Port: NO Vent Stack: NO  
Well ID Tag: ✓ Pump ID Tag: \_\_\_\_\_ Sampling Tap: ✓ Backflow Preventer: ✓  
Sample Taken?  Yes  No Well Head properly sealed: ✓

Remarks: \_\_\_\_\_

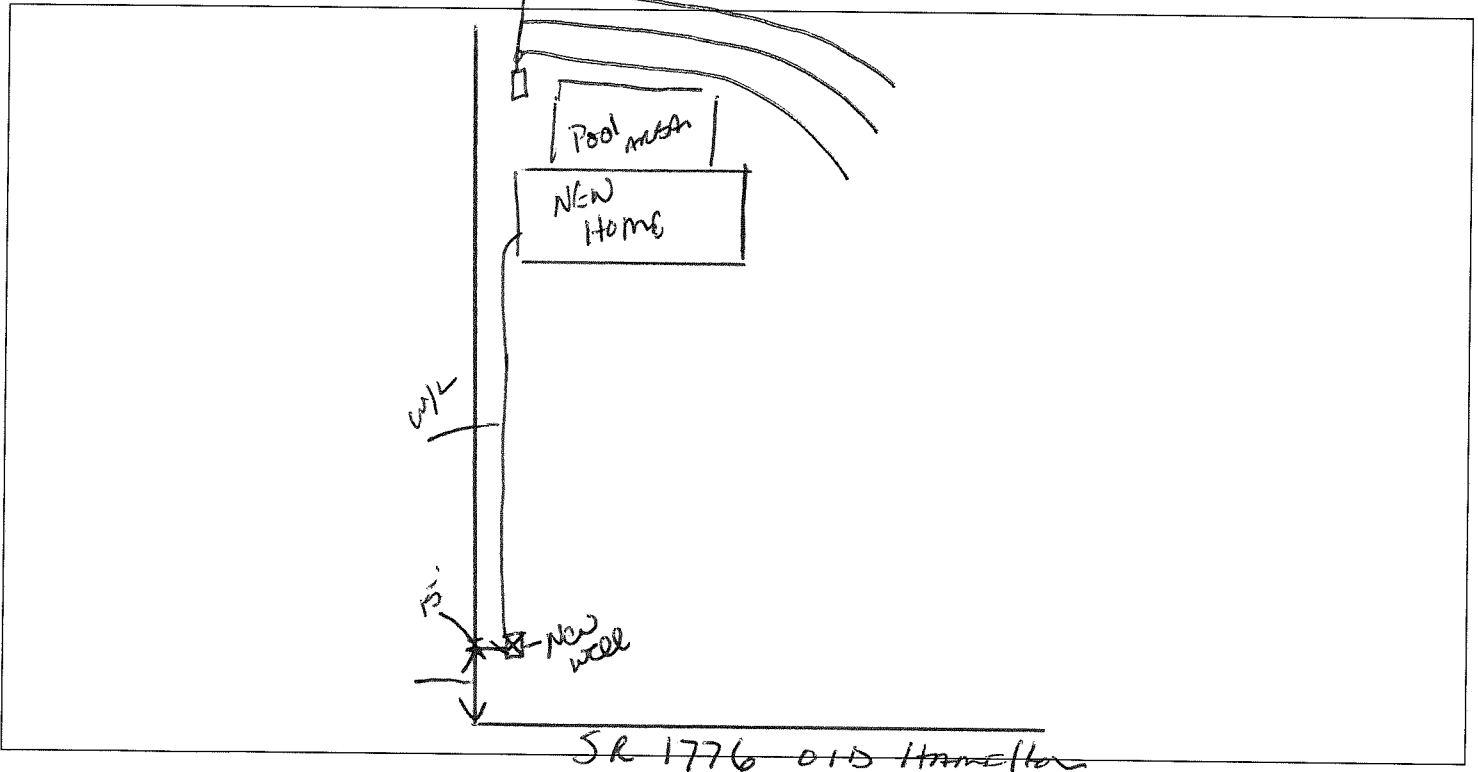
Authorized State Agent: James C. Markert Date 8-12-11

See Attachment for completion sketch

**Well Construction Sketch**



**Well Completion Sketch**



# WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Larry Williford CERTIFICATION # 2863  
 WELL CONTRACTOR COMPANY NAME Larry Williford's Well Drilling PHONE # (910) 567-2579  
 STATE WELL CONSTRUCTION PERMITS \_\_\_\_\_ ASSOCIATED WQ PERMITS \_\_\_\_\_  
 (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 \_\_\_\_\_

2. WELL LOCATION:  
 Nearest Town: Erwin County Harnett  
Old Hamilton Rd  
(Street Name, Number, Community, Subdivision, Lot No., Zip Code)

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

3. OWNER: John E Smith Jr  
 Address 1776 Old Hamilton Rd  
(Street or Route No.)  
Dunn NC 28334  
City or Town State Zip Code

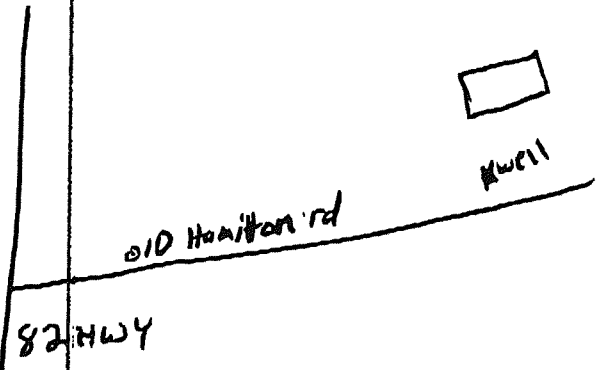
(degrees/minutes/seconds)  
 Latitude/longitude source:  GPS  Topographic map  
(check box)

DEPTH		DRILLING LOG
From	To	Formation Description
0	1	top soil
1	4	reddish clay
4	11	tan clay
11	22	orange-white clay
22	25	sand & gravel

4. DATE DRILLED: 5-31-11  
 5. TOTAL DEPTH: 25 FT  
 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 1 FT. Above Land Surface\*  
\*Top of casing terminated either below land surface requires a variance in accordance with 15A NCAC 2C .0118.  
 9. YIELD (gpm): 17 METHOD OF TEST pumping  
 10. WATER ZONES (depth): 22-25

### 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.



11. DISINFECTION: Type HTH Amount 1/4 cup  
 12. CASING:  

From	To	Depth	Diameter	Wall Thickness	or Weight/Ft.	Material
-1	22	Ft	2"		SC440	PVC

 13. GROUT:  

From	To	Depth	Material	Method
0	20	Ft	Bentonite	gravity

 14. SCREEN:  

From	To	Depth	Diameter	Slot Size	Material
22	25	Ft	2 in.	.012 in.	PVC

 15. SAND/GRAVEL PACK:  

From	To	Depth	Size	Material
20	25	Ft	#3	sand pack

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  
Larry Williford Jr 6-18-11  
 SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE