

LOCATION: .55 mi. N. jct. 561 & 258,  
on 258, .15 mi. W. of 258

OWNER: Town of Rich Square

DATE DRILLED: 10-31-68

DEPTH: 341'

- FORMATION SAMPLES  
 ELECTRIC LOG  
 GAMMA LOG  
 CHEMICAL ANALYSIS  
 PUMPING TEST

YIELD: \_\_\_\_\_

PL: \_\_\_\_\_

SL: \_\_\_\_\_

WELL NO.: E23r-1

TOWN: Rich Square

COUNTY: Northampton

SAMPLES LOCATED: Ral.-Ahoskie

ELEVATION: \_\_\_\_\_

INTERVAL: Various

REMARKS: 341' samples.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



NORTH CAROLINA DEPARTMENT OF WATER AND AIR RESOURCES  
DIVISION OF GROUND WATER  
BOX 9392 - RALEIGH, N. C.

E237-1

APPLICATION FOR PERMIT TO CONSTRUCT A WELL

Applicant HARTSFIELD WATER COMPANY, INC. Date October 7, 1968  
Address Post Office Drawer 3109, Kinston, North Carolina 28501  
Property Owner (if other than applicant) Town of Rich Square, North Carolina  
Drilling Contractor HARTSFIELD WATER COMPANY, INC.  
Location: Rich Square Industrial Park  
450' west of North Main Street Rich Square, N. C. † North Hampton  
Street or Road Town County  
Proposed Well:  
Estimated depth 300', Estimated Yield 250, Purpose of Well Municipal  
Type of Construction: Gravel Packed

Attach or show on reverse side of form a diagram of construction specifications.

Is this well to be a part of an existing system? Yes XX No     

No. of existing wells in system 3 Total capacity of system     

Attach, or show on reverse side of this form, a sketch showing location of well in relation to nearby reference points and all existing wells within a radius of 1,000 feet of the proposed well. Give distance from at least two nearby reference points, (roads, streams, etc.),

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

- Applicant is herewith granted a permit to construct a well as described in this application.
- Applicant is herewith granted a permit to construct a well as described in this application under conditions given below.
- Application is not approved for the reasons given below: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RECEIVED**  
OCT 8 1968  
N. C. Dept. of Water & Air Resources  
Ground Water Division  
Raleigh, N. C.

Permit No. 115 Date Issued Oct. 8, 1968  
By [Signature] (Title)

Division of Ground Water  
North Carolina Department of Water & Air Resources

This permit is granted under the provisions of the N. C. Well Construction Act of 1967 and is for construction only. This permit does not waive any provisions or requirements of the Water Use Act of 1967 or any other applicable laws or regulations.

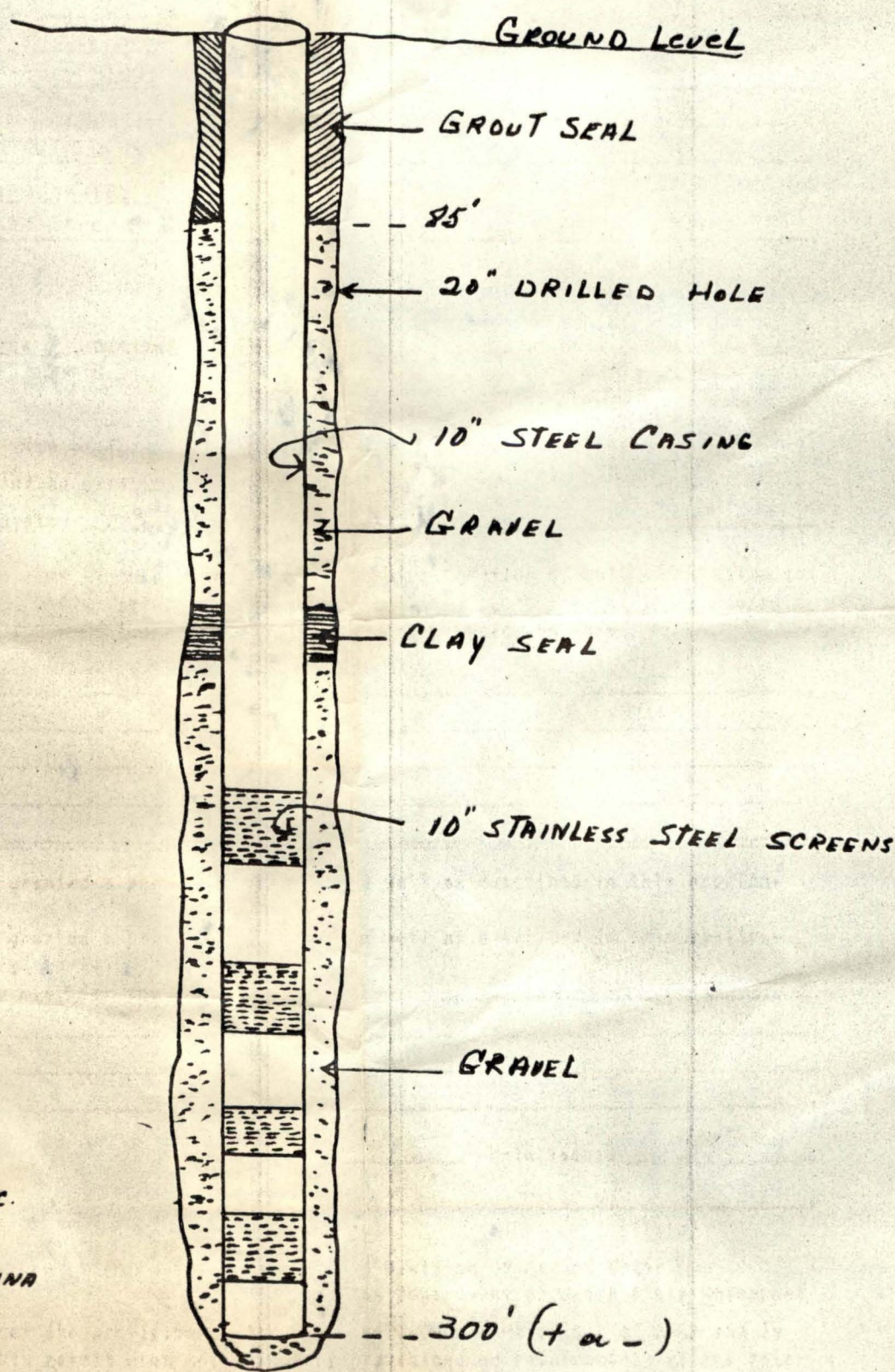
See over for instructions

Form GW 22

DIAGRAM OF PROPOSED WELL CONSTRUCTION FOR:

RICH SQUARE, N.C.

E237-1



HARTSFIELD WATER CO., INC.  
P.O. DRAWER 3109  
KINSTON, NORTH CAROLINA

GEOPHYSICAL WELL SURVEY  
 United States Geological Survey, General Hydrology Branch  
 Raleigh, North Carolina

Company <u>HARTSFIELD WATER CO.</u>			Bit Record				Casing Record				
Well <u>TOWN OF RICH SQUARE</u>			Size	From	To	Size	From	To			
Field <u>W/C</u>			<u>6 5/8</u>	<u>SURF</u>	<u>340</u>	<u>UNCASED</u>					
County <u>NORTHAMPTON</u> State <u>N.C.</u>											
Location <u>TOWN</u>			Logging Data								
			Gamma-ray								
Land Surface <u>NA</u> Elevation <u>NA</u> K.B. <u>---</u> D.F. <u>---</u>			Run No.	Tool	Diameter	From	To	Speed	Time C.	Scale	Dir.
Log Measured from <u>LSD</u>			<u>TWO</u>	<u>WR</u>	<u>1 1/2</u>	<u>338</u>	<u>0</u>	<u>25</u>	<u>8</u>	<u>30</u>	<u>↑</u>
Drilling Measured from <u>LSD</u>											
			Single-point Electrical								
Date <u>10/31/68</u> <u>10/31/68</u>			Run No.	Tool	Diameter	From	To	Speed	SP	Res.	Dir.
Run No. <u>ONE</u> <u>TWO</u>			<u>ONE</u>	<u>WR</u>	<u>1 1/2</u>	<u>338</u>	<u>0</u>	<u>50</u>	<u>200</u>	<u>200</u>	<u>↑</u>
Type Log <u>E</u> <u>GR</u>											
Depth-Driller <u>340</u> <u>340</u>											
Depth-Logger <u>340</u> <u>340</u>											
Top Logged Interval <u>6</u> <u>10</u>			Induction-Electrical								
Bottom Logged Interval <u>338</u> <u>338</u>			Run No.	Tool	Diameter	From	To	Speed	SP	Res.	Dir.
Type Fluid in Hole <u>WATER</u> <u>WATER</u>											
<u>FULL</u> <u>FULL</u>											

2140 - <sup>all</sup> ~~can~~  
 2680 eeg

Rich Square, N.C.

NE-NOR-P-13

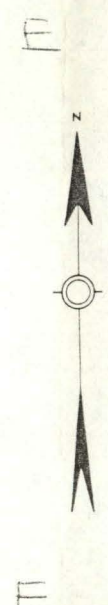
No fauna

NO-T-1-68  
NCGS

J-202-543-3525

ral Hydrology Branch of the Water  
 used for any purpose without the

E-23 r-1

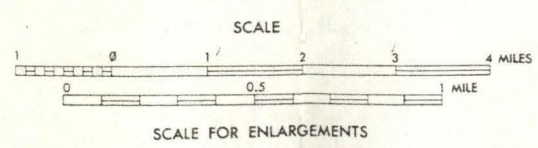


DIST. 4

W.L. CB WELLS

# NORTHAMPTON COUNTY NORTH CAROLINA

PREPARED BY THE  
NORTH CAROLINA STATE HIGHWAY COMMISSION  
PLANNING AND RESEARCH DEPARTMENT  
IN COOPERATION WITH THE  
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
BUREAU OF PUBLIC ROADS

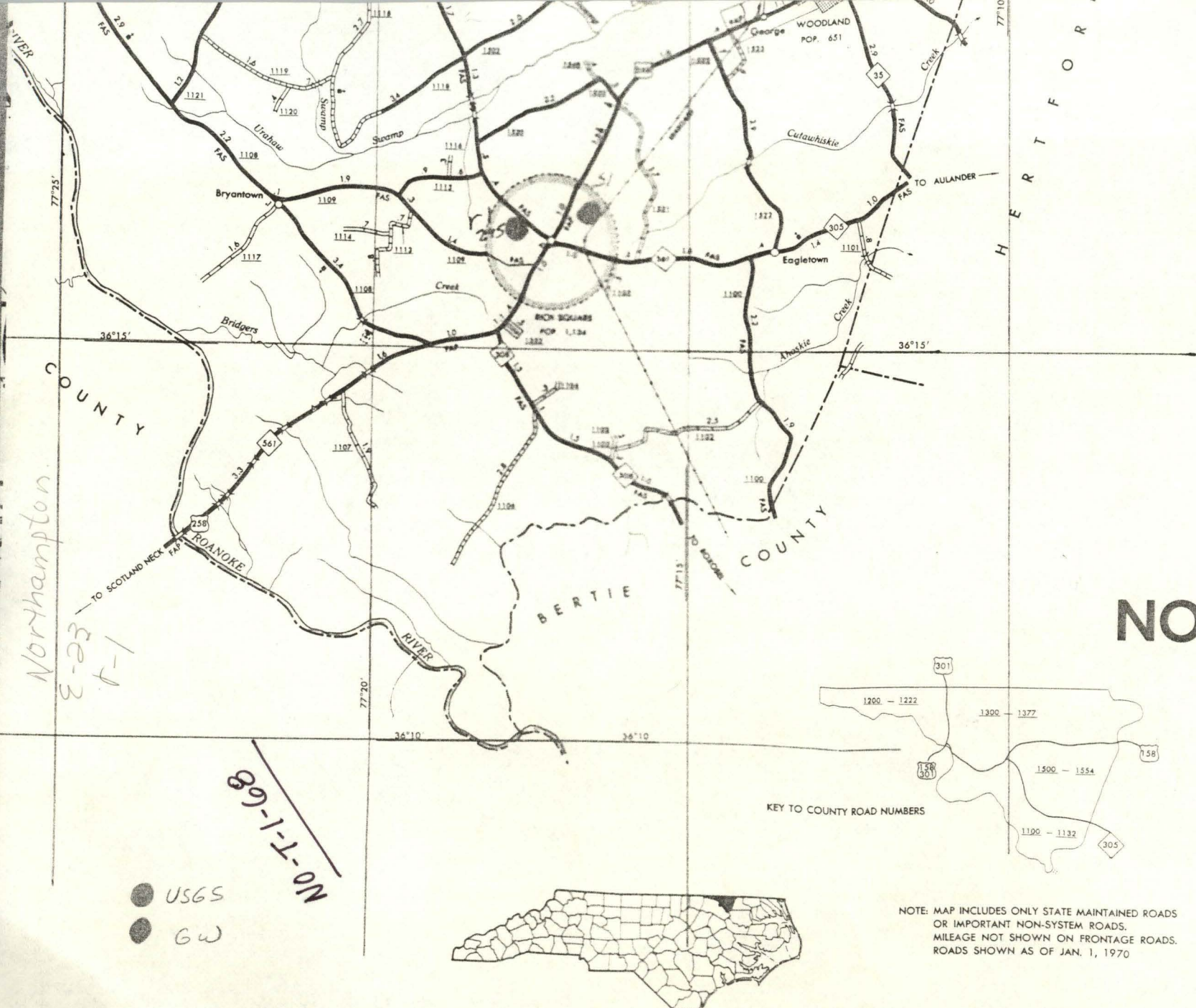


POLYCONIC PROJECTION

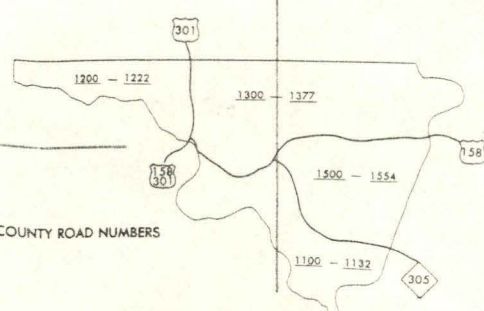
SHEET 1 OF 2

MAINTENANCE MAP

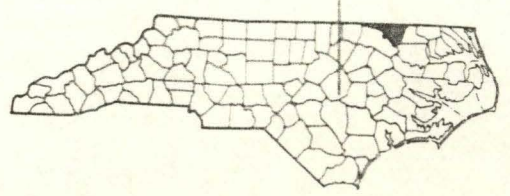
NORTHAMPTON COUNTY NORTH CAROLINA



KEY TO COUNTY ROAD NUMBERS



NOTE: MAP INCLUDES ONLY STATE MAINTAINED ROADS  
OR IMPORTANT NON-SYSTEM ROADS.  
MILEAGE NOT SHOWN ON FRONTAGE ROADS.  
ROADS SHOWN AS OF JAN. 1, 1970



Northampton  
E-23  
r-1

NO-T-1-68

● USGS  
● GW

GEOPHYSICAL WELL SURVEY  
 United States Geological Survey, General Hydrology Branch  
 Raleigh, North Carolina

Company <u>HARTSFIELD WATER CO.</u> Well <u>TOWN OF RICH SQUARE</u> Field <u>W/C</u> County <u>NORTHAMPTON</u> State <u>N.C.</u> Location <u>TOWN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Bit Record</th> <th colspan="3">Casing Record</th> </tr> <tr> <th>Size</th> <th>From</th> <th>To</th> <th>Size</th> <th>From</th> <th>To</th> </tr> <tr> <td><u>6 5/8</u></td> <td><u>SURF</u></td> <td><u>340</u></td> <td><u>UNCASED</u></td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	Bit Record			Casing Record			Size	From	To	Size	From	To	<u>6 5/8</u>	<u>SURF</u>	<u>340</u>	<u>UNCASED</u>														
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Land Surface <u>NA</u>	Elevation <u>  </u> K.B. <u>  </u>	D.F. <u>  </u>
Log Measured from <u>LSD</u>		
Drilling Measured from <u>LSD</u>		

Logging Data									
Gamma-ray									
Run No.	Tool	Diameter	From	To	Speed	Time C.	Scale	Dir.	
<u>TWO</u>	<u>WR</u>	<u>1 1/2</u>	<u>338</u>	<u>0</u>	<u>45</u>	<u>8</u>	<u>30</u>	<u>↑</u>	

Date	10/31/68	
Run No.	<u>ONE</u>	<u>TWO</u>
Type Log	<u>E</u>	<u>GR</u>
Depth-Driller	<u>340</u>	<u>340</u>
Depth-Logger	<u>340</u>	<u>340</u>
Top Logged Interval	<u>6</u>	<u>10</u>
Bottom Logged Interval	<u>338</u>	<u>338</u>
Type Fluid in Hole	<u>WATER</u>	<u>WATER</u>
Level	<u>FULL</u>	<u>FULL</u>
Temperature	<u>NA</u>	<u>NA</u>
Operating time	<u>1/2 HR</u>	<u>1/2 HR</u>
Recorded by	<u>GLARUM</u>	<u>GLARUM</u>
Witnessed by	<u>GRANT</u>	<u>GRANT</u>

Single-point Electrical									
Run No.	Tool	Diameter	From	To	Speed	SP	Res.	Dir.	
<u>ONE</u>	<u>WR</u>	<u>1 1/2</u>	<u>338</u>	<u>0</u>	<u>50</u>	<u>200</u>	<u>200</u>	<u>↑</u>	

Induction-Electrical									
Run No.	Tool	Diameter	From	To	Speed	SP	Res.	Dir.	

GH No. NC-NOR-P-13 Remarks

Note: Original copies of logs run by this unit are the sole property of the General Hydrology Branch of the Water Resources Division of the United States Geological Survey and may not be used for any purpose without the consent of the Project Chief in charge of the unit.