

RO-T5-77

Description X <sup>44</sup>/<sub>45</sub> K 5 Robeson co.

Depth (feet) From To

Time (Sec)

Redish Brown sandy clay	0	8	Time log
Fine to med. redish gray sand, silt + jetty	8	10	
Brown sandy clay	10	14	
med. gray sand, silt + jetty	14	20	
med gray sand, silt + jetty	20	30	
Gray clay, dilled film	30	37	
Gray jetty sand	37	40	
Gray clay w/ streaks of jetty sand	40	50	
Gray clay w/ some med sand	50	60	
Same as above	60	70	
Gray clay w/ streaks of jetty sand	70	80	
jetty sand w/ streaks of gray clay	80	90	
med. sand w/ gray clay	90	100	
Same as above	100	110	
Gray clay w/ med. sand	110	120	4 min
med. gray sand	120	130	1:50
med sand w/ gray clay	130	140	2 min
Same as above	140	150	1:50
med. jetty sand	150	160	15 sec
Gray clay w/ some med. sand	160	170	30 m
med. sand w/ clay layers	170	180	39 m
Coarse gray sand	180	190	35 sec
Same as above	190	200	45 sec
med. to coarse sand w/ streaks of clay	200	210	
Same as above	210	220	5:25

RO-T-5-77

Description

44  
X48 K5Depth (Feet) Time  
From To Log

red sand w/ redish gray clay	220	230	10:35
Same as above	230	240	15:20
Same as above	240	250	45 min
med. to coarse sand	250	260	
Sample shows med. sand, drilled Very Firm	260	270	55 min
Same as above, made BIT Change 4 1/2 to 3 7/8	270	280	20:45
med sand, Firm drilling	280	290	41 min
Same as above	290	300	45 min
med. to coarse sand w/ some redish clay	300	310	17 min
Gray med. to coarse sand	310	320	30 min
Same as above	320	330	13 min
Same as above	330	340	7:50
Same as above	340	350	19:51
Gray med. to coarse sand w/ red clay	350	360	7:14
Same as above	360	370	28:55
Same as above red. clay increasing	370	380	26:14
med. to coarse sand w/ red clay	380	390	12:12
Same as above, Drilled Firm	390	400	30 min
Same as above	400	410	58:25
Same as above	410	420	2 hrs 36 <sup>m</sup>
Redish clay w/ coarse sand	420	430	37:31
Redish sand w/ dark streaks in drilling Fluid	430	440	45 min
Same as above	440	450	1 hr 27 <sup>m</sup>
Same as above	450	451	2 hrs

RO-T-5-77

LITHOLOGIC LOG (continuation sheet)

MAGNOLIA School  
Robeson Co.

Well No.: Field \_\_\_\_\_  
Office: X44, K-5  
USGS \_\_\_\_\_

Description	Depth (feet)		DRILL TIME
	from	to	
GROUND WATER SECTION CALEIGH B. G. Logd. 11-9-77			
SAND; F-Med. grain, buff-TAN color w/CLAY	0	10	
SAND; white-gray color, fine grain	10	20	
SAND; gray, fine grain, NO CLAY	20	30	25' Post mio.
SAND; gray, fine grain, MINOR AMT. CLAY	30	40	
SAND + CLAY; gray color, fine-Med. grain	40	50	
CLAY w/SAND; DARK gray, fine-Med. grain	50	60	
" " " "	60	70	
SAND w/CLAY; med. gray color, fine-grain	70	80	
" " " W/ little more clay	80	90	
" " " "	90	100	

MAGNOLIA School  
Robeson Co.

Well No.: Field \_\_\_\_\_  
Office X54, K-5  
USGS \_\_\_\_\_

Description	Depth (feet)		DRILL Time (feet)
	from	to	
SAND + CLAY; DARK GRAY	100	110	
CLAY w/ SOME SAND; DARK GRAY	110	120	4 MIN
SAND w/ CLAY; DARK GRAY, FINE-MED. GRAIN	120	130	1 MIN 50 SEC
" " " "	130	140	2 MIN
SAND; LIGHT GRAY, FINE-MED. GRAIN	140	150	1 MIN 45 SEC
" " " (SOME COARSE SAND)	150	160	15 SEC
SAND w/ CLAY; GRAY, FINE-MED. GRAIN	160	170	30 MIN
" " " "	170	180	39 MIN
SAND; LIGHT GRAY, FINE-MED-COARSE GRAIN	180	190	35 SEC
" " " (MORE COARSE SAND)	190	200	45 SEC

MAGNOLIA School  
Robeson Co.Well No.: Field \_\_\_\_\_  
Office X44, K-5  
USGS \_\_\_\_\_

Description	Depth (feet)		DRILL Thickness (feet) TIME
	from	to	
SAND; light gray, fine - med-coarse <sup>w/little clay</sup> GRAIN	200	210	—
" " " "	210	220	5 min 25 sec
" " " "	220	230	10 min 35 sec
" " " "	230	240	
" " " "	240	250	
" " (SAND NOT quite AS COARSE)	250	260	
(KT) SAND w/minor AMT. clay, multiple colors, f-m grain	260	270	
" " " "	270	280	20 min 45 sec
" " " "	280	290	41 min
" " " "	290	300	45 min

MAGNOLIA School  
Roberson Co.

Description	Depth (feet)		DRILL Time (feet)
	from	to	
SAND w/minor AMT. clay, multiple colors, f-m grain	300	310	47 min
" " "	310	320	36 min
" " "	320	330	13 min
" " "	330	340	7 min 50 sec
SAND + clay; multiple colors with fine sand	340	350	19 min 51 sec
" " "	350	360	7 min 14 sec
" " "	360	370	28 min 35 sec
" " (more sand)	370	380	26 min 14 sec
" " (Red-orange drastic change in color)	380	390	12 min 12 sec
" " "	390	400	30 min

RO-T-5-77

LITHOLOGIC LOG (continuation sheet)

MAGNOLIA School  
Robeson co.

Well No.: Field \_\_\_\_\_  
Office X44, K-5  
USGS \_\_\_\_\_

Description	Depth (feet)		Thickness (feet)
	from	to	
" " "	400	410	58 min 25 sec.
" " (more clay)	410	420	2 <sup>0</sup> hrs. 36 min
CLAY w/ MINOR AMT. of SAND, multiple colors	420	430	37 min 31 sec
SAND + CLAY; multiple colors, fine - med. SAND	430	440	45 min
" " "	440	450	1 hr. 27 min
BASEMENT	450	450.7	1 hr 15 min

RO-T-5-77

①  
file

PROPOSED STATION Magnolia School  
(X-44, k-) 9-19-77  
Robeson County

MEMORANDUM

TO: L. A. Register THRU Harry M. Peek, Chief

FROM: Bill Bright, South Central Region

SUBJECT: Moving Rig From Green Grove School to  
Magnolia School (Robeson Co.)

(X-45, g-)

(X-44, k-)

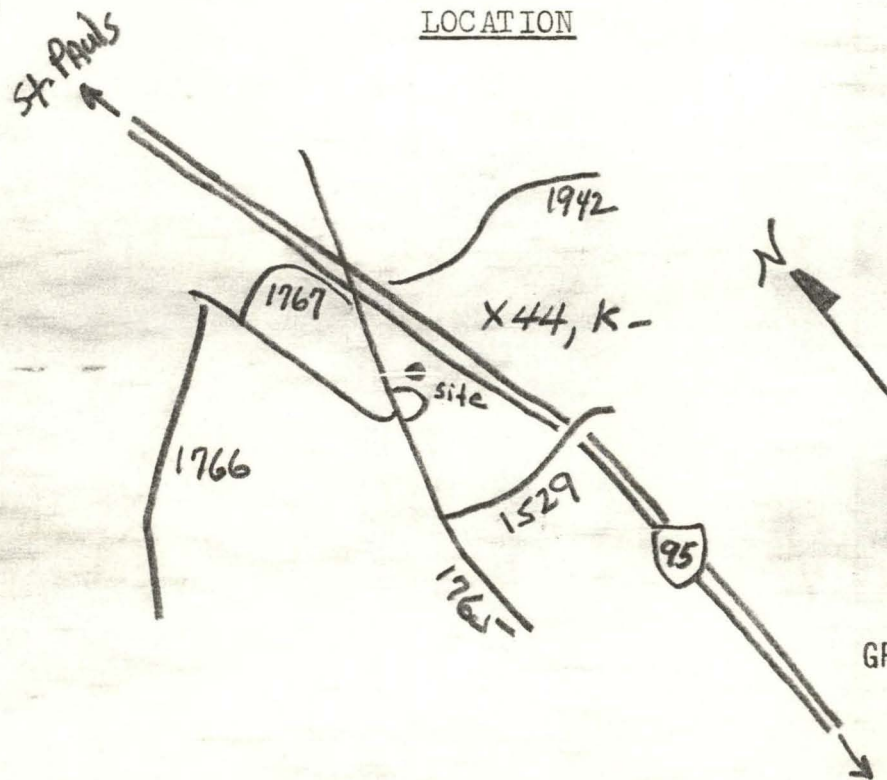
Permission has been received from the County Superintendent to drill at Magnolia school located between St. Pauls and Lumberton and close to I-95.

It is anticipated that the work at Green Grove school will be completed on 9/21/77, at which time the rig can be moved to the new site. Basement at the site (Magnolia) is estimated to be between 400'-450'.

It is recommended that upon completion of the testing at the new site that serious consideration be given to moving the rig to Sampson County. Data in all parts of this county are needed, but especially in the southern part where data concerning the deep material are almost non-existent

(W-35, m-)

LOCATION



RECEIVED

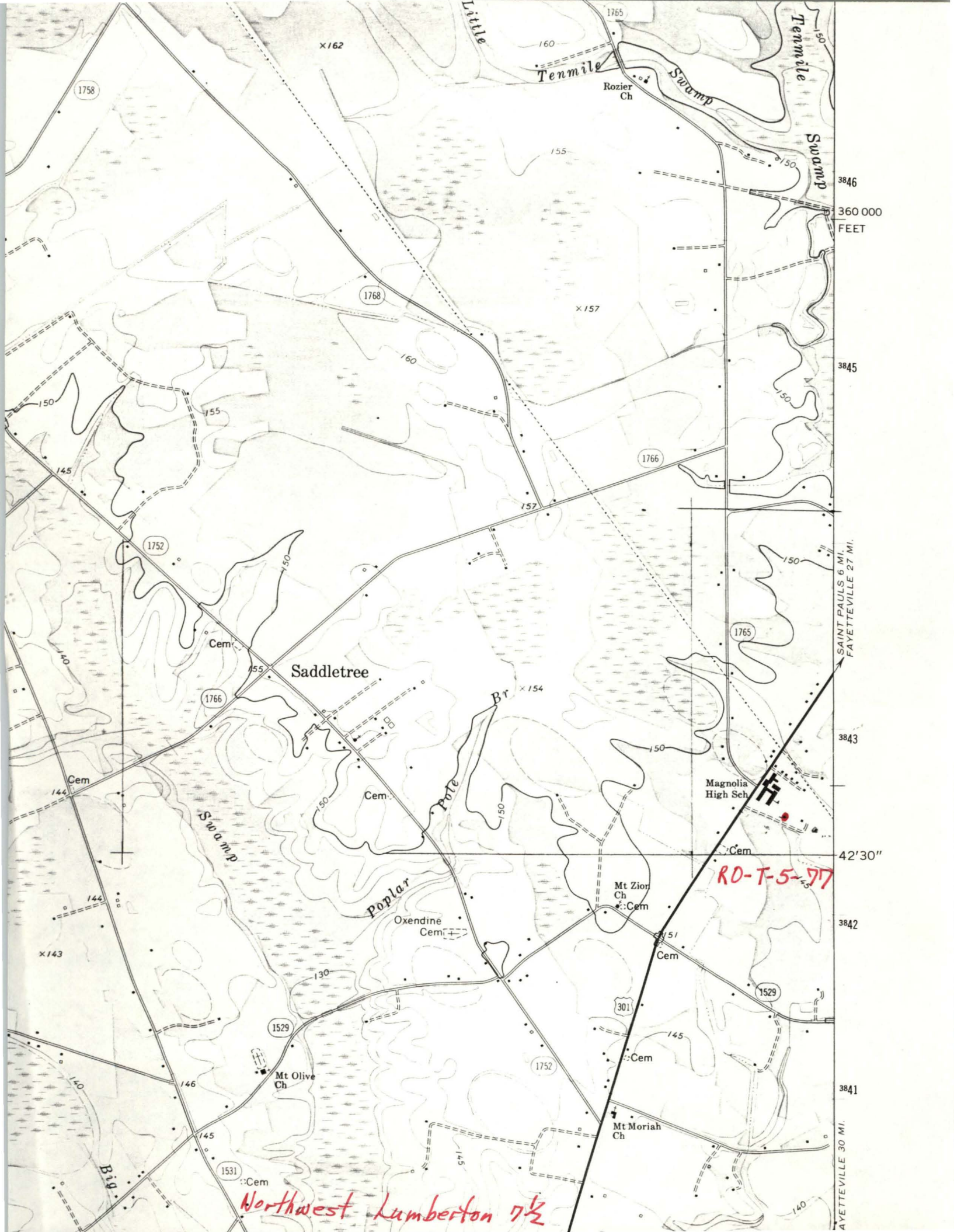
SEP 20 1977

GROUND WATER DIVISION  
RALEIGH, N. C.

CC: Perry Nelson  
Bill BRIGHT

Lumberton





x162

Tenmile  
Rozier Ch

Tenmile  
Swamp

3846  
360 000  
FEET

1768

x157

3845

1766

1752

Cem

Saddletree

1766

Br x154

1765

3843

Magnolia  
High Sch

Cem

RO-T-5-97

42'30"

Cem

Poplar  
Pote

Mt Zion  
Ch  
Cem

3842

Oxendine  
Cem

151  
Cem

x143

1529

301

1529

3841

Mt Olive  
Ch

Mt Moriah  
Ch

Northwest Lumberton 7 1/2

FAYETTEVILLE 30 MI.

FAYETTEVILLE 27 MI.