

BL-P-1-77

NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES

OFFICE OF WATER AND AIR RESOURCES

GROUND WATER DIVISION

P. O. BOX 27687 - RALEIGH, N. C. 27611

BL 1229

WELL RECORD

DRILLING CONTRACTOR Sydnor Hydrodynamics, Inc. REG. NO. 144 WELL CONSTRUCTION PERMIT NO. 2454

1. WELL LOCATION: (Show a sketch of the location on back of form) Nearest Town: Dublin County: Bladen

2. OWNER: County of Bladen (Road, Community or Subdivision and Lot No.) Well #2 (Dublin) Quadrangle No. Y40

3. ADDRESS: P.O. Box 36 - Dublin, N.C. 28332

4. TOPOGRAPHY: ~~deep valley~~ ~~shallow~~ ~~hilly~~ ~~flat~~ flat

5. USE OF WELL: Municipal DATE: 7/22/77

6. DOES THIS WELL REPLACE AN EXISTING WELL? No

7. TOTAL DEPTH: 450' RIG TYPE OR METHOD: Rotary

8. FORMATION SAMPLES COLLECTED: YES No. of Bores 45

9. CASING: Inside Wall thick. or Diam. weight /ft. Type From +2' Depth 57 ft. 1 1/4" .375 Steel to +2'6" 343 8 .322 Steel spacers 422 8 .322 Steel

10. GROUT: Depth 0 to 57 ft. Material Cement Method pumped

11. SCREEN: Depth 343 to 353 ft. 8 S.S. #30 361 371 8 S.S. #30 383 398 8 S.S. #30 402 412 8 S.S. #30

12. GRAVEL: Depth 310 to 430 ft. Size #2 Material Morie Well Gravel

13. WATER ZONES(depth): 343-353 361-371 383-398 402-412

14. STATIC WATER LEVEL: 93'7" ft. ~~xxxx~~ top of casing. Casing is ft. above land surface. below ELEV. DATE MEASURED: 7/20/77

15. YIELD(gpm): 200 METHOD OF TESTING: pump 121'5" 24

16. PUMPING WATER LEVEL: 200 gpm. at 200 gpm. HTH Amount 5 lbs.

17. CHLORINATION: Type HTH Amount 5 lbs.

18. WATER QUALITY: TEMPERATURE(°F)

19. PERMANENT PUMP:(Show a sketch of well head on back of form) Date installed Type Make Capacity (gpm) HP

Intake Depth Airline Depth

20. HAVE YOU INFORMED THE WELL OWNER OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS?

21. REMARKS:

DRILLING LOG table with columns: DEPTH (FROM, TO), FORMATION DESCRIPTION. Rows include Top Soil, Yellow and Red Sandy Clay, Red Sandy Clay, Yellow Sandy Clay, Gray Sandy Clay, Gray Sand with Thin Streaks of Brown Sand, Gray and Brown Sand, Gray Sand, Wood and Mica, Gray Sandy Clay, Gray Sand, Gray Sand with Clay, Gray Sand, Gray Clay, Gray Sand, Some Gray Clay, Dark Tough Gray Clay, Light Gray, Sandy Clay, Gray Sand, Tough Light Gray Clay, Brown Sandy Clay, Coarse Sand-Brown Clay, Gray Sand with Streaks of Green Clay, Gray Clay, sand & Wood, Tough Red and Pink Clay, Tough Red Clay.

PERMIT

WELL

I do hereby certify that this well record is true and exact.

SIGNATURE OF CONTRACTOR OR AGENT DATE

BL-P-1-77

WELL HEAD COMPLETION

mp installer

Name

Address

Reg. #

Meets Min. Standards

Measure

Yes

No

Remarks

Enclosure

Enclosure floor

Casing height

Access port

Valved flow

Water tight pipe entry

Well entry

Vent

Hose bib

Tee (jet)

Suction line

Chlorination

Temporary Aband.

2.5'
1"

1"

Date Well Constructed

7/22/77

Date Pump Installed

" " "

Eugene Jackson
Signature

Witness

Name

Address

Type

Name

Address

Type

TAR
HOL

Dublin

Hwy

SR 1339
87

hardware
store

Shaded Tank

5 21 st.

TO
41

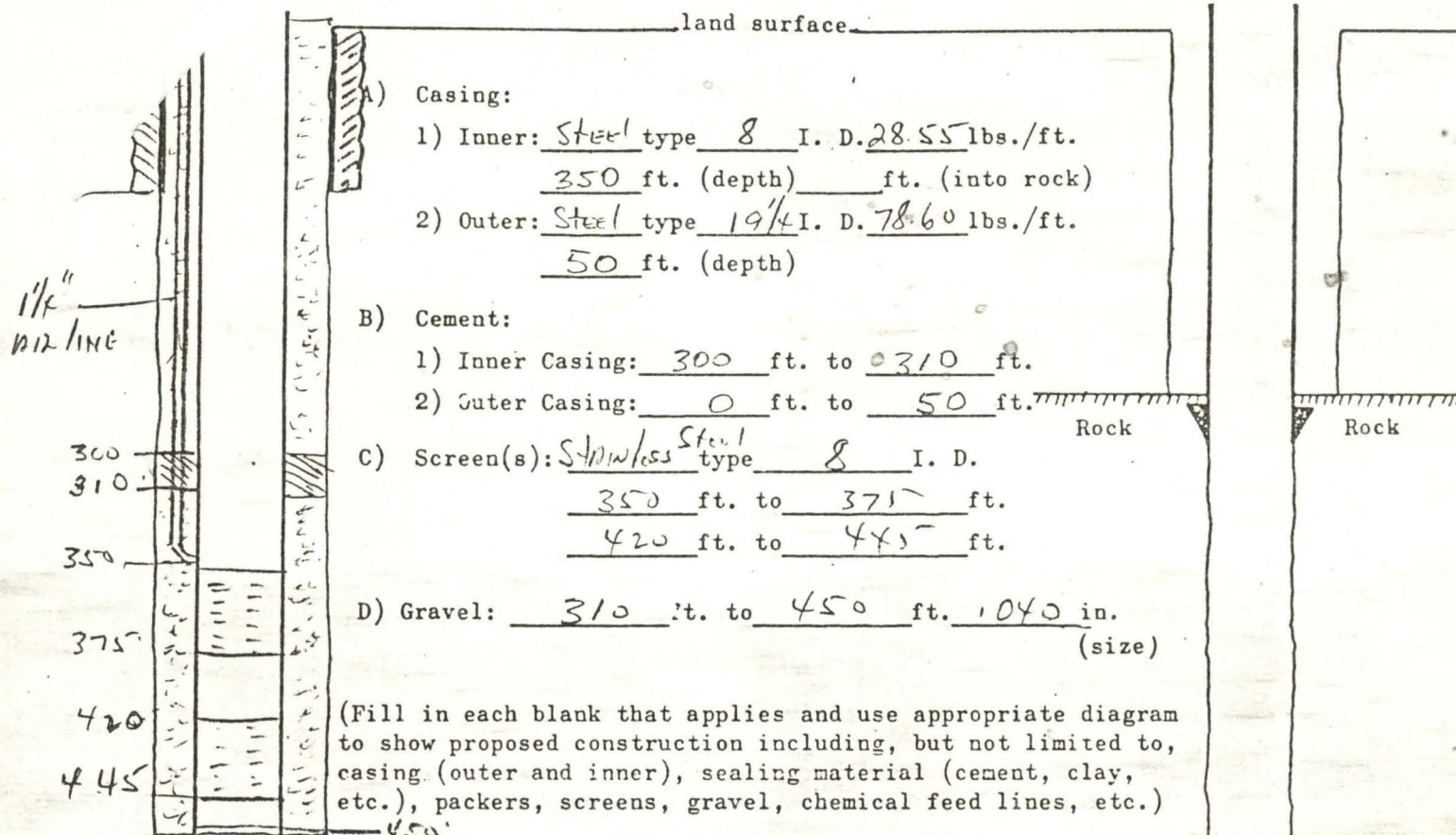
C.R.

DIAGRAM OF PROPOSED
CONSTRUCTION SPECIFICATIONS

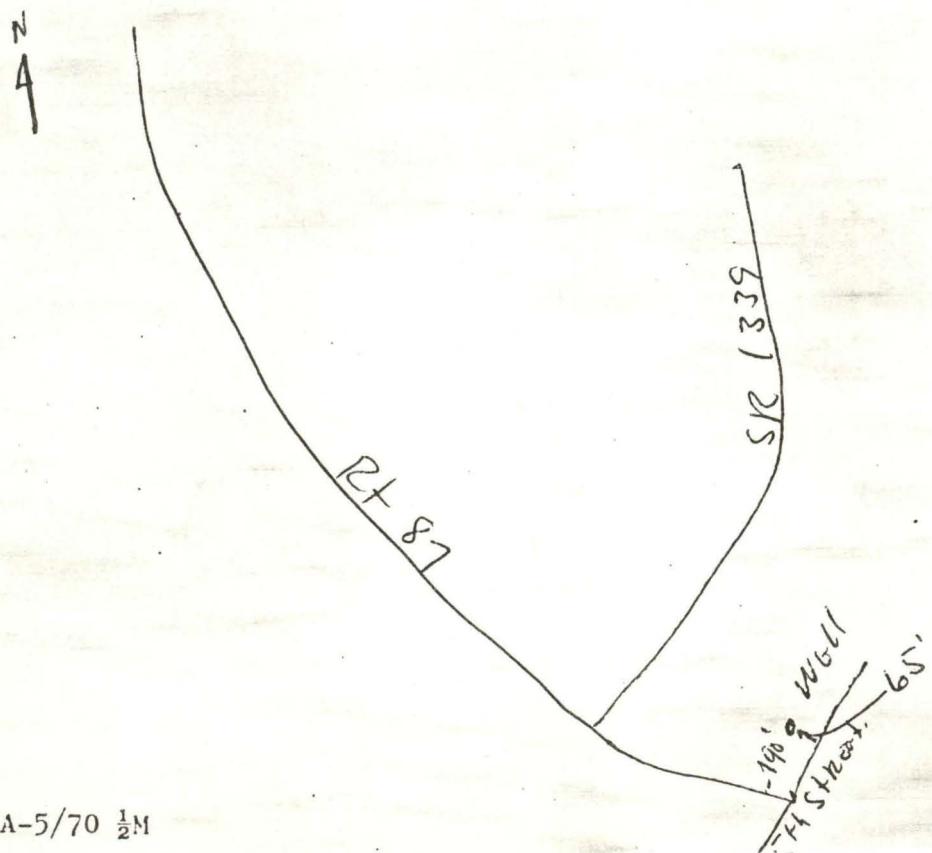
BL-P-1-77

ened
ed Well
a unconsolidated formations)

Open-End Well
(Constructed in consolid-
ated formations)



Location Diagram: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).



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GROUND WATER DIVISION

P. O. BOX 27687 - RALEIGH, N. C. 27611

BL 1229

WELL RECORD

DRILLING CONTRACTOR Sydnor Hydrodynamics, Inc. REG. NO. 144 WELL CONSTRUCTION PERMIT NO. 2454

1. WELL LOCATION: (Show a sketch of the location on back of form)
 Nearest Town: Dublin County: Bladen
 Quadrangle No. Y70 d-2

2. OWNER: County of Bladen Well # #2 (Dublin)

3. ADDRESS: P.O. Box 36 - Dublin, N.C. 28332

4. TOPOGRAPHY: ~~xxxxxx~~ flat

5. USE OF WELL: Municipal DATE: 7/22/77

6. DOES THIS WELL REPLACE AN EXISTING WELL? No

7. TOTAL DEPTH: 450' RIG TYPE OR METHOD: Rotary

8. FORMATION SAMPLES COLLECTED: YES No. of Bgs 45

From	Depth	ft.	Inside Diam.	Wall thick or weight /ft.	Type
<u>+2'</u>	<u>57</u>		<u>9 1/4"</u>	<u>.375</u>	<u>Steel</u>
<u>+2'6"</u>	<u>343</u>		<u>8</u>	<u>.322</u>	<u>Steel</u>
<u>spacers</u>	<u>422</u>		<u>8</u>	<u>.322</u>	<u>Steel</u>

10. GROUT: Depth 0 to 57 ft. Material Cement Method pumped

From	Depth	ft.	Diam.	Type and Opening
<u>343</u>	<u>353</u>		<u>8</u>	<u>S.S. #30</u>
<u>361</u>	<u>371</u>		<u>8</u>	<u>S.S. #30</u>
<u>383</u>	<u>398</u>		<u>8</u>	<u>S.S. #30</u>
<u>402</u>	<u>412</u>		<u>8</u>	<u>S.S. #30</u>

12. GRAVEL: Depth 310 to 430 ft. Size #2 Material Morie Well Gravel

13. WATER ZONES(depth): 343-353 361-371
383-398 402-412

14. STATIC WATER LEVEL: 93'7" ft. ~~xxxxx~~ below top of casing.
 Casing is _____ ft. above land surface. ELEV. _____
 DATE MEASURED: 7/20/77

15. YIELD(gpm): 200 METHOD OF TESTING: pump
121'5" ft. after 24 hours

16. PUMPING WATER LEVEL: _____ ft. after _____ hours
at 200 gpm.

17. CHLORINATION: Type HTH Amount 5 lbs.

18. WATER QUALITY: _____ TEMPERATURE(°F) _____

19. PERMANENT PUMP:(Show a sketch of well head on back of form)
 Date installed _____ Type _____ Make _____
 Capacity _____ (gpm) HP _____
 Intake Depth _____ Airline Depth _____

20. HAVE YOU INFORMED THE WELL OWNER OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS?

21. REMARKS: _____

DRILLING LOG		
DEPTH		FORMATION DESCRIPTION
FROM	TO	
0	1	Top Soil
2	10	Yellow and Red Sandy Clay
10	20	Red Sandy Clay
20	30	Yellow Sandy Clay
30	48	Gray Sandy Clay
48	58	Gray Sand with Thin Streaks of Ha
58	90	Brown Sand Gray and Brown Sand
90	100	Gray Sand, Wood and Mica
100	118	Gray Sandy Clay
118	140	Gray Sand
140	170	Gray Sand with Clay
170	180	Gray Sand
180	190	Gray Clay
190	200	Gray Sand, Some Gray Clay
200	230	Dark Tough Gray Clay
230	240	Light Gray, Sandy Clay
240	248	Gray Sand
248	290	Tough Light Gray Clay
290	320	Brown Sandy Clay
320	350	Coarse Sand-Brown Clay
350	420	Gray Sand with Streaks of Green Clay
420	425	Gray Clay, sand & Wood
425	435	Tough Red and Pink Clay
435	450	Tough Red Clay

I do hereby certify that this well record is true and exact.

SIGNATURE OF CONTRACTOR OR AGENT _____ DATE _____

GROUND WATER SECTION
Resource Planning and Evaluation

WELL AND PUMP INSPECTION REPORT

Well location Dublin 200' from 87 on 5th st.
(Town, Comm., Subdivision and Lot No.)
Owner Town of Dublin
Address P.O. Box 36, Dublin, N.C. 28332

Date 9/8/77
Area South Central
County Bladen
Road/Street Hwy 87 + S
Well No. y-40, d-2

WELL CONSTRUCTION

Drilling Contractor SydNor Hydrodynamics, Inc. Richmond VA. 23261 104
Name Address Reg. #

Meets Min. Standards

	Measure	Yes	No	Remarks
Permit		✓		# 2454
Location				
Distance from Pollution source		✓		
Other location standards		✓		
Total Depth	450'	✓		
Casing				
Depth	422'	✓		
Diameter	8"	✓		
Weight/thickness	374.	✓		
Height	2.5'	✓		
Drive shoe		NA		
Exception approved by owner		✓		
Grout:				
Type		✓		
Thickness		✓		
Depth	57'	✓		
Screens	343-412	✓		
Development		✓		
I. D. Plate		✓		
Abandonment (temporary/permanent)		✓		
Water level	92.02			
Well test		✓		
Chlorination		✓		
Cuttings		✓		
Reports		✓		
Water sample (appearance)	-			

WELL HEAD COMPLETION

Pump installer _____

Name

Address

Reg. #

Meets Min. Standards

Measure

Yes

No

Remarks

Enclosure

Enclosure floor

Casing height

Access port

Valved flow

Water tight pipe entry

Well entry

Vent

Hose bib

Tee (jet)

Suction line

Chlorination

Temporary Aband.

Date Well Constructed

7/22/77

Date Pump Installed

" " "

Eugene Jackson
Signature

Witness

Name

Address

Type

Name

Address

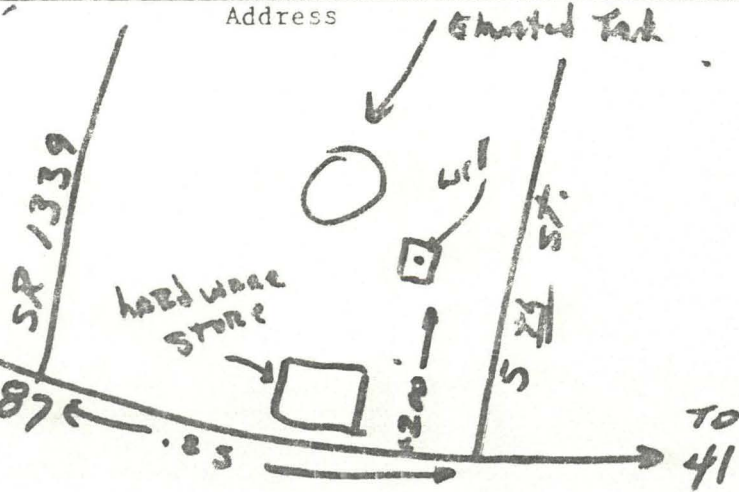
Type

TAR HOI

Dublin

City

limits





WHITE OAK

CENTRA

BETHEL

ELIZABETHTOWN

LADENBORO

ELIZABETH

BL-P-1-77

BL-T-1-76

BL-T-1-77

BL-T-1-53

BL-T-1-60

Elizabethtown
is 15''

WELL HEAD COMPLETION: Draw a sketch of the well head showing casing, pump piping, seals, vents, access port, grout, and enclosure.

Y-40 d-2

WELL LOCATION: Draw a location sketch showing the direction and distance of the well to at least two (2) nearby reference points such as roads, intersections and streams. Identify roads with State Highway road identification numbers.

