

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2464  
C-177

MAILING ADDRESS:

Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: E. R. Rodgers Mailing Address: Holland Rd. Suffolk, VA

TENANT: Birdtown #2 Mailing Address: \_\_\_\_\_

DRILLER: Pittman Wood & Metal Prod. Co. Mailing Address: Rt. #58 Courtland, Va.

WELL LOCATION: County Nansemond Approx. 150 ~~feet~~ feet south (direction) of  
U. S. Highway 58 and 6 ~~miles~~ miles west (direction) of Suffolk

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 2/11/69 DATE COMPLETED: 2/17/69

TYPE OF DRILL RIG USED: Air rotary TOTAL DEPTH 632 feet

WATER LEVEL: Stands 121 feet below surface OR  
has NATURAL flow of none gallons per minute.

YIELD TEST: Method Pump  
Drawdown 8 feet  
Rate 35 gal. per min.  
Duration 48 hrs., 0 min.

HOLE SIZE: 7-7/8 inches from 0 to 632 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 552 to 625 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 4 inches from 0 to 573 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other Subdivision

GROUTING: Method \_\_\_\_\_  
Material cement Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X

PUMP: Type submersible  
Capacity 35 gal. per min.  
Depth of intake 210 feet

DRILL CUTTINGS SAVED: Yes 56 No \_\_\_\_\_

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LOG

Pittman Wood & Metal Prod.

DATE: 2/17/69

FURNISHED BY:

DATE:

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	15	Gray clay	
15	52	Gray sand	
52	92	Fine gray sand with clay streaks	
92	112	Gray sand & oyster shells	
112	192	Clay and oyster shells	
192	252	Blue Clay	****
252	295	Clay with sand streaks	
295	312	Black sand with clay streaks	
312	432	Clay and sand streaks	
432	452	Blue clay	
452	472	Blue clay	
472	492	Blue clay with sand streaks	
492	507	Blue clay with sand streaks	
507	512	Fine sand	
512	532	Red clay	
532	552	Red clay with sand streaks	
552	625	Strata sand	
625	632	Blue clay	

VIRGINIA DIVISION OF MINERAL RESOURCES  
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

C-177

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Well Repository No: 2464

Date rec'd: 3/4/69

Sample Interval: from 22' to:612'

PROPERTY: E. R. Rodgers (Birdtown #2)

Number of samples: 59

COMPANY: Pittman Wood & Metal Prod.

Total Depth: 632'

COUNTY: Nansemond (Suffolk)

Oil or Gas: Water ~~x~~ Exploratory:

From-To	From-To	From-To	From-To
-	262 - 272	522 - 532	-
22 - 32	272 - 282	532 - 542	-
32 - 42	282 - 292	542 - 552	-
42 - 52	292 - 302	552 - 562	-
52 - 62	302 - 312	562 - 582	-
62 - 72	312 - 322	582 - 592	-
72 - 82	322 - 342	592 - 602	-
82 - 92	342 - 352	602 - 612	-
92 - 102	352 - 362	-	-
102 - 112	362 - 372	-	-
112 - 122	372 - 382	-	-
122 - 132	382 - 292	-	-
132 - 142	392 - 402	-	-
142 - 152	402 - 412	-	-
152 - 162	412 - 422	-	-
162 - 172	422 - 432	-	-
172 - 182	432 - 442	-	-
182 - 192	442 - 452	-	-
192 - 202	452 - 462	-	-
202 - 212	462 - 472	-	-
212 - 222	472 - 482	-	-
222 - 232	482 - 492	-	-
232 - 242	492 - 502	-	-
242 - 252	502 - 512	-	-
252 - 262	512 - 522	-	-

All intervals have both washed and unwashed samples

OWNER: E. R. Rodgers  
DRILLER: Pittman  
COUNTY: Nansemond

W # 2464  
C # 177  
TOTAL DEPTH - 632'  
QUAD - Buckhorn  
ELEV - 73'

DEPTH  
(FEET)

WELL LOG

0-22	No sample.	
22-32	Sand	- light olive gray (5Y 6/1); medium to very coarse grained, angular, subangular and rounded, moderately well sorted; rose quartz; feldspar.
32-72	Sand	- light olive gray; medium to coarse grained, subangular, moderately well sorted; rose quartz; feldspar.
72-82	Sand	- light olive gray (5Y 6/1); medium to very coarse grained, subangular to subround, moderately well sorted; mica; rose quartz; feldspar.
82-102	Sand	- light olive gray (5Y 6/1); medium to very coarse grained, subangular to subrounded, moderately well sorted; few phosphate/shell fragments.
102-122	Sand	- light and dark gray; fine to coarse grained, angular and subangular, moderate sorting; sponge fragments; echinoid spines; 30-40% fine shell fragments; forams - <u>Quinqueloculina</u> , <u>Nonion</u> ; feldspar.
122-132	Sand	- light and dark gray; fine to coarse grained, angular and subangular, moderate sorting; 30% shell fragments - <u>Yoldia</u> , <u>Venicardia</u> , snail, <u>Phacoides</u> ; echinoid plates and madreporite.
132-172	Sand, Shelly	- light and dark gray; fine to coarse grained, angular and subangular, poor sorting; sponge fragments; echinoid spines, plates and madreporite; 95% shell fragments, as above plus bryozoa; forams - <u>Nonion</u> , at 162-172'.
172-192	Sand, Shelly	- light and dark gray; coarse to very coarse grained, subangular, poor sorting; 90% shell fragments, as above plus bryozoan "cups".

DEPTH  
(FEET)

## WELL LOG

192-212	Sand, Shelly	- light and dark gray; sparse clay at 202-212'; fine to very coarse grained, subangular, poor sorting; 25% glauconite; 80% shell fragments as above; echinoid spines.
212-222	Sand	- light and dark gray; fine to very coarse grained, subangular, poor sorting; 25% glauconite; 40% shell fragments.
222-232	Sand	- light and dark gray; very sparse clay; fine to very coarse grained, subangular, poor sorting; 15% glauconite; 20% shell fragments.
232-242	Sand	- light and dark gray; sparse clay; fine to very coarse grained, subangular, poor sorting; 25% glauconite; 40% shell fragments - <u>Glycimeris</u> , bryozoa.
242-252	Sand	- light and dark gray; sparse clay; fine to coarse grained, subangular, poor sorting; 10% glauconite; 20% shell fragments.
252-262	Sand	- light olive gray (5Y 6/1); fine to coarse, subrounded, moderately sorted; 10% phosphate fragments; 3% shell fragments.
262-272	Sand	- light olive gray (5Y 6/1); fine to very coarse grained, subangular and subrounded, moderately sorted, 10% each, phosphate/shell fragments; graphite.
272-282	Sand	- light olive gray (5Y 6/1); sparse clay; fine grained to granules, subangular and subrounded, moderately sorted; 25% phosphate fragments; 10% shell fragments; molybdenum crystals; rose quartz.
282-292	Sand	- light olive gray (5Y 6/1); sparse clay; fine grained to granules, subangular and subrounded, moderately sorted.
292-312	Sand, Glauconitic	- light and dark green; 50% glauconite; fine to very coarse grained, subangular, moderately sorted; 5% shell fragments.

DEPTH  
(FEET)

WELL LOG

- |         |                      |   |   |
|---------|----------------------|---|---|
| 312-332 | Sand,<br>Glaucinitic | - | light and dark gray; 30% each glauconite and quartz; fine to very coarse, subangular, moderately sorted; 40% shell fragments and coquina - fresh, whole, reworked and glauconite-filled coral; teeth at 322-332'.           |
| 332-352 | Sand,<br>Glaucinitic | - | light and dark gray; 50% glauconite; sparse clay; fine to very coarse, subangular, poor sorting; 5% shell fragments; rose quartz; forams - <u>Nodosaria</u> at 342-352'.  |
| 352-552 | Sand                 | - | light and dark gray; very sparse to sparse clay; fine to very coarse grained, subangular, moderately sorted; 30-40% glauconite; 3-10% shell fragments, few at 512-522'; rose quartz; forams - <u>Nodosaria</u> at 392-402'. |
| 552-572 | Sand                 | - | light olive gray (5Y 6/1); medium to very coarse grained; subangular, moderately sorted; sparse rose quartz and feldspar; garnet at 562-572'.   |
| 572-612 | Sand                 | - | light olive gray (5Y 6/1); fine grained to granule, subangular, moderately sorted, poor at 592-612'; few glauconite at 592-612'.  |

Logged by:  
J. K. Polzin  
Feb., 1981

OWNER: E. R. Rodgers (Birdtown #2)  
DRILLER: Pittman Wood & Metal Prod., Co.  
COUNTY: Nansemond (Lummis)

W - 2464  
C - 177  
TOTAL DEPTH: 612'

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
22-252'	Yorktown Formation	Late Miocene
252-272'	Calvert Formation	Middle Miocene
272-352'	Mattaponi Formation	Paleocene
352-552'	Tuscaloosa Formation	Late Cretaceous
552-612'	Patuxent Formation	Early Cretaceous

Virginia Division of Mineral Resources  
Robert H. Teifke - Geologist  
March 11, 1969