

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5794
C-246

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Brown & Root, Inc. #2 Mailing Address: RFD Box 4, Cape Charles, VA 23310

TENANT: _____ Mailing Address: _____

DRILLER: Bundick Well & Pump Mailing Address: Painter, VA 23420

WELL LOCATION: County Northampton Approx. _____ feet _____ miles _____ (direction) of _____
_____ feet _____ miles _____ (direction) of _____

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

DATE STARTED: 8/4/78 DATE COMPLETED: 8/5/78

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands 8.07 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method _____
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 6 inches from 1 to 250 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 2 inches from 207 to 217 feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 2 inches from 1 to 207 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other _____

GROUTING: Method _____
Material _____ Depth 100 feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

PUMP: Type _____
Capacity _____ gal. per min.
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes _____ 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: Electric log run

LOG

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		
1	10	Yellow sand	
10	20	Yellow sand	
20	30	Yellow sand and gravel	
30	40	Yellow sand and gravel	
40	50	Grey sand	
50	60	Grey sand, white shell	
60	70	Grey sand, white shell	
70	80	Grey sand, white shell	
80	90	Grey sand, white shell	
90	100	Grey shell and sand	
100	110	Grey shell and sand	
110	120	Grey shell and sand	
120	130	White shell and Blue clay	
130	140	Shell and clay	
140	150	Shell and clay	
150	160	Shell and clay	
160	170	Shell and grey sand	
170	180	Grey gravel and shell	
180	190	Shell and Blue Clay	
190	200	Shell and Blue clay	
200	210	Gravel and shell	
210	220	Shell and Blue clay	
220	230	Blue clay	
230	240	Blue clay and shell	
240	250	Blue clay	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
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INTERVAL SHEET

Page 1 of 1 Well Repository No: C-246 W-5794
Date rec'd: 1/19/79 Date Processed: 2/27/80 Sample Interval: from: 1 to: 250
PROPERTY: Brown & Root Number of samples: 25
(SWCB Site 6; pilot 0-17)
COMPANY: Bundick W & P Co. Total Depth: 250
COUNTY: Northampton (Cape Charles) Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
1-10	-	-	-
10-20	-	-	-
20-30	-	-	-
30-40	-	-	-
40-50	-	-	-
50-60	-	-	-
60-70	-	-	-
70-80	-	-	-
80-90	-	-	-
90-100	-	-	-
100-110	-	-	-
110-120	-	-	-
120-130	-	-	-
130-140	-	-	-
140-150	-	-	-
150-160	-	-	-
160-170	-	-	-
170-180	-	-	-
180-190	-	-	-
190-200	-	-	-
200-210	-	-	-
210-220	-	-	-
220-230	-	-	-
230-240	-	-	-
240-250	-	-	-

Split-Wash

Owner: Brown & Root, Inc. #2
Driller: Bundick Well & Pump
County: Northampton

W# 5794
C# 246
Total Depth: 250'
Quad: Cheriton
Elev: 11'

Depth
(feet)

WELL LOG

0-10 Sand - light brown (5 YR 6/4); quartz, shell hash (5%); moderately sorted; silty; fine.

10-20 Sand - grayish orange (10 YR 7/4); fine to very coarse, poorly sorted; mostly quartz; shell hash (3%); trace of opaques, rock fragments.

20-30 Sand - grayish orange (10 YR 7/4); medium grained, moderately sorted; quartz; shell hash (3%); feldspar, opaques and heavies (2%); angular to rounded.

30-40 Sand - sand fraction like above; 30% pea-sized, rounded pebbles and granules, composed of quartz, rock fragments.

40-50 Sand - moderate yellowish brown (10 YR 5/4); 20% pea-sized, rounded to subangular pebbles and granules; medium to very coarse, poorly sorted, subrounded to angular; 10% (of total) worn and angular shell hash including mollusk fragments, bryozoans, Dentalium; echinoid spines; ferricrete fragments.

50-60 Sand - as above, but 40% worn and angular shell hash, some shell is highly polished.

60-70 Shelly Sand - light olive gray (5 Y 6/1); 70% shell - including whole mollusks, and angular fragments, but predominantly highly polished fragments - Glycimeris, Chione, Septatastria, bryozoans, mollusk hash (especially bivalves) - most of shell fragments are .3 cm. diameter and highly polished, but many are up to 1 cm. diameter; 10% subrounded pebbles and granules up to 1.5 cm. diameter; very fine to very coarse, slightly silty, poorly sorted, angular to rounded.

70-80 Sand - as above, but without prominent pebbles; mostly polished shell including mollusk fragments, a few whole bivalves and gastropods.

80-90 Sand - light olive gray (5 Y 6/1); 40% Comminuted and Polished Shell; shell mostly .1 - .3 cm. diameter, including mollusk fragments and echinoid spines; finer and better sorted than above; fine to medium, well sorted, mostly quartz, trace of polished glauconite.

90-100 Sand - as above.

100-110 Sand - calcareous cement; sand fraction as above.

110-120 Sand - as above; angular shells.

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(feet)

- 120-130 Sand - light olive gray (5 Y 6/1); approximately 50% shell (broken and angular or whole or polished), shell fragments mostly 0.5 cm. diameter, including whole bivalves and gastropods, echinoid spines and mollusk hash, bryozoans, weak calcareous cement with Turritella and Marginella(?); mostly quartz, glauconite, fine, moderately sorted.
- 130-140 Sand - as above; numerous Venericardia, Astarte.
- 140-150 Sand - as above, but shell hash approximately 30% and is mostly angular, broken mollusk hash; calcareous cement diminishes.
- 150-160 Sand - olive gray (5 Y 4/1); 25-50% shell - large, non-abraded mollusk fragments with Turritella terebritorinis, Venericardia; quartz; opaques; fine-grained, moderately sorted, subangular to subrounded; trace of pea-sized pebbles; silty.
- 160-170 Sand - as above.
- 170-180 Sand - as above, medium-grained and glauconitic (5% of non-shell fraction).
- 180-190 Sand - light olive gray (5 Y 6/1); 40% shell - broken, mostly thin-shelled mollusks (including Turritella); quartz; 20% glauconite; medium-grained, moderately sorted, angular to rounded; silty.
- 190-200 Sand - as above.
- 200-210 Sand - as above (with Scaphopods).
- 210-220 Sand - as above - weak calcareous cement locally.
- 220-230 Sand - as above; more shells; slight silt.
- 230-240 Shelly Sand - light olive gray (5 Y 6/1); shell 50-70%, mostly consisting of thick shelled, angular mollusk fragments, Nucula noted; weak calcareous cement; quartz; 20% glauconite; medium-grained, moderately well sorted.
- 240-250 Sand - as above.