

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2873  
C-407

MAILING ADDRESS:  
Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Union Bag Camp Corp. Mailing Address: Franklin, Virginia  
TENANT: Well 9A (replaces #9) Mailing Address: \_\_\_\_\_  
DRILLER: Layne Atlantic Company Mailing Address: P.O. Box 7095, Norfolk, VA 23509  
WELL LOCATION: County Southampton Approx. south ~~1/2~~ <sup>1/4</sup> of Franklin (direction) of \_\_\_\_\_  
\_\_\_\_\_ and \_\_\_\_\_ 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: February 23, 1970 DATE COMPLETED: June 2, 1970

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 891 feet

WATER LEVEL: Stands 170 feet below XXXXXX OR \_\_\_\_\_  
has NATURAL flow of \_\_\_\_\_ gallons per minute

YIELD TEST: Method Turbine Pump HOLE SIZE: 36 inches from 0 to 350 feet  
Drawdown 59' 4" feet \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
Rate 2118 gal. per min. \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
Duration 8 hrs., 0 min. SCREEN SIZE: 12 inches from 390 to 395 feet  
See log for screen settings  
12 inches from 404 to 414 feet  
12 inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
See log for screen settings  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
CASE SIZE: 20 inches from 0 to 350 feet  
See log for casing settings  
12 inches from 340 to 390 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color Clear Taste Good  
Odor None Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_ GROUTING: Method Pressure pumped  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_ Material Cement Depth 350 feet  
Industry XX Other \_\_\_\_\_ PUMP: Type Turbine

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_ Capacity 2100 @ 300' gal per min  
DRILL CUTTINGS SAVED: Yes XX No \_\_\_\_\_ Depth of intake 195 feet

(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: Well No. 9-A. Replaces original well No. 9

\*Received 44 samples but could read depths on only 16 (28 discarded)

# LOG

FURNISHED BY: Layne Atlantic Company

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'	5'	Sandy clay	
5'	15'	Tight clay, blue and white	
15'	20'	Sandy clay, some wood	
20'	35'	Tight clay, blue	
35'	90'	Blue clay and shell	
90'	112'	Salt and pepper sand	
112'	116'	Hard shell, slow drilling	
116'	121'	Salt and pepper sand	
121'	123'	Hard shell, rough drilling	
123'	128'	Salt and pepper sand, some clay	
128'	130'	Hard shell, rough and slow drilling	
130'	142'	Salt and pepper sand mixed with clay	
142'	150'	Clay	
150'	200'	Coarse sand with some clay	
200'	216'	Coarse sand with some shell	
216'	253'	Limestone, hard and slow	
253'	270'	Tight gray clay, very slow	
270'	279'	White and gray clay, soft	
279'	315'	Clay, gray-brown-yellow, slow drilling	
315'	406'	Multicolored clay, coarse sand, gray	
406'	418'	Brown and black clay	
418'	460'	Coarse sand, gravel with multicolored clay	
460'	475'	Hard cemented sand, streaks of white clay	
475'	480'	White sandy clay and rock	
480'	485'	Rock and sandy white clay	
485'	490'	Rock	
490'	511'	White sandy clay	
511'	530'	Coarse sand, streaks of clay	
530'	545'	Tight clay	
545'	560'	Medium sand, streaks of clay	
560'	610'	Coarse and medium sand mixed with white and blue clay	
610'	654'	Coarse sand, gravel, some clay	
654'	680'	Multicolored clay, streaks of sand	
680'	720'	Coarse sand, gravel mixed with multicolored clay	
720'	740'	Multicolored clay	
740'	785'	Sand and gravel with streaks of clay	
785'	801'	Clay	
801'	837'	Coarse sand, white	
837'	868'	Multicolored clay, streaks of sand	
868'	883'	Coarse sand, gravel	
883'	921'	Clay	
921'	931'	Coarse sand	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No.: C-407  
W- 2873

Date rec'd: 6-26-70 Date Processed: 7-2-70

Sample Interval: from 70 to: 931

PROPERTY: Union Bag Camp Company #9A

Number of samples: 16

COMPANY: Layne Atlantic Co.

Total Depth: 931'

COUNTY: Southampton (Franklin)

Oil or Gas: Water: XX Exploratory:

From-To	From-To	From-To	From-To	From-To
-	-	-	-	-
NO - SAMPLES	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-70	-	-	-	-
401-417	-	-	-	-
417-440	-	-	-	-
448-469	-	-	-	-
469-490	-	-	-	-
490-511	-	-	-	-
532-553	-	-	-	-
553-574	-	-	-	-
-576	-	-	-	-
596-611	-	-	-	-
785-806	-	-	-	-
806-821	-	-	-	-
827-849	-	-	-	-
849-870	-	-	-	-
870-891	-	-	-	-
912-931	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples.

Owner: Union Bag Camp No. 9A  
Driller: Layne Atlantic  
County: Southampton (Franklin)

W# 2873  
C# 407  
Total Depth: 931'  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

0-70 No Sample

70 Coquina - light and dark gray; sparse clay; very fine to very coarse, angular and subangular, poor sorting; 40 shell fragments.

70-401 No Samples.

401-417 Sand, Gravelly - mixed colors; very sparse clay in clasts; very fine to large granule, angular to subangular, poor sorting; depositional clasts of glauconite/pyrite/quartz; very rare feldspar; hematite.

417-440 Sand - light olive gray (5Y 6/1); abundant clay; very fine to granule, angular and subangular, poor sorting; very rare glauconite; garnet.

440-448 No Sample.

448-469 Sand - light olive gray (5Y 7/1); very fine to granule with 20% large granules, angular and subangular, poor sorting, 1% iron oxide (?) fragments; very rare glauconite grains; feldspar; garnet.

469-490 Sand - light olive gray (5Y 7/1); sparse clay; very fine to granule, angular and subangular, poor sorting; pyrite.

490-511 Gravel - mixed colors; very fine to granule with pebbles (rounded, 10mm), angular and subangular, poorly sorted; sandy limestone with glauconite; rare feldspar; iron stained sandstone clasts; shark tooth.

511-532 No Sample.

532-553 Sand - light olive gray (5Y 6/1); abundant clay in clasts; very fine to granule; angular, subangular and rounded; poorly sorted; phosphatic fragments; fuschite; garnet.

553-574 Sand - pale yellowish brown - (10YR 6/2); abundant clay in clasts - moderate yellowish brown; very fine to granule, subangular and angular, poorly sorted; 1% phosphatic fragments and glauconite; smokey quartz; feldspar; iron oxide fragments.

Owner: Union Bag Camp No. 9A

-2-

W# 2873

C# 407

Depth  
(feet)

- 574-576 Sand - light olive gray (10YR 6/2); very fine to granule, angular and subangular, poor; 1% phosphatic fragments and glauconite; garnet; feldspar; iron-oxide fragments.
- 576-596 No Sample.
- 596-611 Sand - light olive gray (5Y 6/1); sparse clay; very fine to granule, much angular and subangular, poor sorting; 1% phosphate fragments/glauconite; rare fuschite, rare garnet; very rare iron oxide fragments.
- 611-785 No Sample.
- 785-806 Sand - grayish orange (10YR 6/4); moderate clay in sand clasts; very fine to granule, angular to subangular, poor sorting; rare mica; feldspar.
- 806-821 Sand - pale grayish orange (10YR 8/4); sparse clay; very fine to granule, with a few large, rounded pebbles, angular and subangular, poor; few phosphatic fragments; sandstone clasts; rare feldspar.
- 821-827 No Sample.
- 827-849 Sand - pale grayish orange (10YR 8/4); very sparse clay in sand clasts; very fine to granule, angular and subangular, poor sorting; feldspar; mica.
- 849-870 Sand - pale grayish orange (10YR 8/4); sparse clay in sand clasts, some grayish orangish-pink; very fine to granule, some rounded pebbles; angular and subrounded, poor sorting; hard rock fragments (gneiss?); rose quartz.
- 870-891 Sand, Gravelly - mixed colors - in grayish orange - very fine to granules, 10% rounded pebbles; angular and subangular, poor; very rare phosphatic fragments; iron stained sandstone; very rare feldspar.
- 891-912 No Sample.
- 912-931 Sand - pale grayish orange (10YR 8/4); very fine to pebbles, angular and subangular and some rounded, poor sorting; rare phosphate fragments; very rare feldspar.

Logged by: J. K. Polzin  
August 5, 1980