

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: Douglas & Dickinson, Inc. Mailing Address: Box 498
Warsaw, Virginia 22572

TENANT: Oakland Park system Mailing Address: Box 498

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Warsaw, Virginia 22572

WELL LOCATION: County King George Approx. 2.0 ^{1/2}/_{miles} North (direction) of
intersection 3 & 603 at Sealston and 0.2 ^{1/2}/_{miles} West (direction) of Rt. 603 on Oakland

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

DATE STARTED: _____ DATE COMPLETED: July 6, 1973

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 604 feet

WATER LEVEL: Stands 156 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air HOLE SIZE: 6 inches from 0 to 312 feet
Drawdown 96 feet 3 7/8 inches from 312 to 604 feet
Rate 60 gal. per min. _____ inches from _____ to _____ feet
Duration 4 hrs., _____ min. SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 477 to 487 feet #10B od 2 inches from 477 to 487 feet
from 546 to 556 feet #10B od 2 inches from 546 to 556 feet
from 587 to 597 feet #10B od 2 inches from 587 to 597 feet
CASE SIZE: 4 inches from 0 to 312 feet

WATER: Color _____ Taste _____ WEIGHT: 2 inches from 312-477 to 487-529
Odor _____ Temp. _____ °F Standard 2 od inches from 529-546 to 556-587
40 Galv. and 597-604

WELL TO SUPPLY: (check one) Home _____ GROUTING: Method None
Farm _____ Town _____ School _____ Material _____ Depth _____ feet
Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes _____ No X Capacity 60 gal per min
DRILL CUTTINGS SAVED: Yes X No _____ Depth of intake 273 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: This is a Class II Well of construction and materials as per specifications of Virginia Health Department publication "Drilled Wells for Public Water Supply" dated 9 Feb., 1970.

Copy of this report sent to SWCB, drill cutting samples await normal State pickup at our office.

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			
0	approx. 10	tan & white		Fine sand with clay binder.
10	approx. 30	tan		Fine, med., & coarse sand & gravel with some clay binder.
30	approx. 135	grey		Fine sand with clay binder.
135	approx. 230	grey		Fine sand with clay binder & varying % shell.
230	approx. 355	multicolors		Fine sand with clay binder.
355	approx. 435	brown		Fine sand with varying % med. sand & v. % clay binder.
435	approx. 485	brown		Fine, med., & coarse sand with some clay binder.
485	approx. 490	brown		Fine, med., & coarse sand. Screen 477-487.
490	approx. 545	red, grey, brn		Fine sand with clay binder.
545	approx. 600	brown & grey		Fine sand with varying % medium sand and varying % clay binder. Screen 546-556 and 587-597.
600	approx. 604	brown		Fine sand with clay binder.
		Total Depth 604'		
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VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No.: W-4258

Date rec'd: Date Processed: 11/15/75

Sample Interval: from 0 to 604⁵⁹⁸

PROPERTY: Oakland Park System

Number of samples: 58

COMPANY: Douglas Drilling

Total Depth: 604

COUNTY: King George (Sealston)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	292-297	551-556	-	-
10-21	-	-	-	-
21-31	302-307	562-572	-	-
31-42	-	572-583	-	-
42-52	312-317	583-593	-	-
52-63	322-333	593-598	-	-
63-73	333-343	-	-	-
73-84	343-354	-	-	-
84-94	354-364	-	-	-
94-104	-	-	-	-
104-114	364-375	-	-	-
114-125	375-385	-	-	-
125-135	385-396	-	-	-
135-146	396-406	-	-	-
146-156	406-416	-	-	-
156-167	416-426	-	-	-
167-177	426-437	-	-	-
177-188	437-447	-	-	-
188-198	447-458	-	-	-
198-208	458-468	-	-	-
208-218	468-479	-	-	-
218-229	479-484	-	-	-
229-239	-	-	-	-
239-250	489-500	-	-	-
250-260	500-510	-	-	-
260-271	510-520	-	-	-
271-276	520-530	-	-	-
-	530-541	-	-	-
281-286	541-546	-	-	-
-	-	-	-	-

All intervals have both washed & unwashed samples.

Owner: Oakland Park System
Driller: Douglas Drilling
County: King George (Sealston)

W# 4258
C# 87
Total Depth: 604'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10 Sand - grayish orange (10YR 7/4); moderate clay; very fine and coarse to granule, subangular, poorly sorted, 2 pebbles.

10-21 Gravel - mixed colors; very fine and coarse to pebble, subangular and rounded, poorly sorted; 1 pebble of quartzite.

21-31 Gravel - dark yellowish orange (10YR 6/6); abundant sand; very sparse clay; very fine and granule, subangular and rounded, poorly sorted, 1 30x30 mm pebble.

31-52 Sand - light olive gray (5Y 6/1); abundant clay; very fine, some larger grains, subangular, well sorted, 2 pebbles; rare grains of glauconite.

52-63 Clay - light olive gray (5Y 6/1); abundant sand; very fine, subangular, well sorted; rare grains glauconite; diatoms.

63-84 Clay - light olive gray (5Y 5/2) and moderate olive brown (5Y 4/4) at 73-84; abundant sand; very fine, subangular, well sorted; very rare phosphate fragments; plant debris.

84-104 Sand - olive gray (5Y 4/1); moderate clay; very fine with rare large grains, subangular, well sorted; 25-30% glauconite; 10% mica (fine).

104-114 Sand - dark olive gray (5Y 4/2); moderate clay; very fine to very coarse, subangular, moderate sorting; 5% glauconite; 5% mica.

114-135 Sand - dark olive gray (5Y 4/2); moderate clay; very fine to medium, subangular, well sorted; 5% glauconite; tooth; 8% mica; 3% glauconite at 125-135.

135-146 Sand - light olive gray (5Y 5/2); moderate clay; very fine, few very coarse and granules, pebbles, subangular, moderate sorting; vertebra; iron staining.

146-156 Gravel, Shell - light olive gray (5Y 5/2); 50% shell fragments; moderate clay; very fine, subangular, moderate sorting; sandy limestone fragments; quartzite fragment; 5% mica.

Depth
(feet)

- 156-167 Sand - light olive gray (5Y 4/2); moderate clay; very coarse, subangular, well sorted; 30% glauconite; 10% shell fragments; pebbles; large limestone and shell fragments; 2% mica.
- 167-177 Gravel, Shell - light olive gray (5Y 4/2); moderate clay; 80% shell fragments; very coarse, subangular, well sorted; 30% glauconite; Turritella; iron staining.
- 177-188 Sand, Glauconite - light olive gray (5Y 4/2); 50% glauconite; sparse clay; very coarse, subangular, well sorted; 20% shell fragments.
- 188-208 Sand - dark orange brown (5Y 3/4); sparse clay; very coarse, subangular, well sorted; 30-25% glauconite; few to 15% shell fragments; 3-1% mica; moderate clay at 198-208.
- 208-229 Sand, Glauconitic - olive gray (5Y 4/1); 50% glauconite; sparse clay; very coarse, subangular, well sorted; 10% fine shell fragments; 2 shark teeth; mica.
- 229-239 Sand - moderate olive brown (5Y 3/4); moderate clay; very coarse, subangular, well sorted; 40% glauconite; 3% shell fragments; calcite cast of Turritella; 5% mica; rose quartz.
- 239-250 Sand - light olive gray (5Y 6/1); abundant clay; very fine to very coarse, subangular, moderate sorting; 8% glauconite; very rare shell fragments; mica.
- 250-271 Clay - moderate yellow brown (10YR 5/4); abundant sand; very fine to very coarse, subangular, moderate sorting; clay in red and yellow-green clasts.
- 271-276 Sand - moderate yellow brown (10YR 5/4); abundant clay; very fine to very coarse; subangular, moderate sorting; red and yellow clay.
- 276-281 No Sample.
- 281-286 Sand - very pale orange (10YR 8/2); moderate clay; very fine to very coarse, subangular, moderate sorting.
- 286-292 No Sample.

Depth
(feet)

292-297 Clay - moderate yellow brown (10YR 5/4); abundant sand; very fine to very coarse, subangular, moderate sorting.

297-302 No Sample.

302-307 Clay - moderate yellow brown (10YR 5/2); abundant sand; very fine to very coarse, subangular to angular, moderate sorting; white clay on quartz grains; some glauconite.

307-312 No Sample.

312-317 Clay - moderate brown (5YR 3/4); abundant sand; very fine to coarse, subangular, moderate sorting; 5% glauconite.

317-322 No Sample.

322-354 Clay - light brown (5YR 5/6); abundant sand; very fine to coarse, subangular, moderate sorting; 5% glauconite; clay in few large clasts at 333-343; no glauconite at 343-354.

354-364 Sand - light brown (5YR 5/6); moderate clay; very fine to coarse, subangular, moderate sorting; 5% glauconite.

364-375 Sand - light brown (5YR 5/6); moderate clay; very fine to coarse, subangular, poor sorting; 30% organic phosphate fragments.

375-416 Sand - pale yellowish brown (10YR 6/2); very sparse clay; very fine to very coarse, angular and subangular, poor sorting; feldspar.

416-426 Sand - very pale orange (10YR 8/2); sparse clay; very fine, some other sizes, angular and subangular, poor sorting.

426-489 Sand - pale yellow brown (10YR 6/2); very sparse clay; very fine to very coarse, angular and subangular, poorly sorted; 1% glauconite.

489-500 Sand - pale yellow brown (10YR 6/2); sparse red clay; very fine to very coarse, angular and subangular, poorly sorted; 1% glauconite.

500-520 No Sample.

Owner: Oakland Park System

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W# 4258

C# 87

Depth
(feet)

520-541 Clay - yellowish gray (5Y 8/1) and medium yellowish brown (10YR 5/4); abundant sand; very fine to very coarse, angular and subangular, poorly sorted; 520-530 - fuschite.

541-546 Sand - dark yellowish brown (10YR 5/6); sparse clay; very fine to very coarse, angular and subangular, moderately sorted.

546-551 No Sample.

551-556 Sand - medium yellowish brown (10YR 5/4); very sparse clay; fine to very coarse, subangular, moderate sorting.

556-562 No Sample.

562-572 Sand, Slate - moderate yellowish brown (10YR 5/4); abundant quantico slate; fine to very coarse, subangular, moderate sorting.

572-583 Sand, Slate - moderate yellowish brown (10YR 5/4); abundant slate in small particles, gray and red; fine to very coarse, subangular, moderate sorting.

583-593 Sand - pale yellowish brown (10YR 6/2); moderate fine slate fragments; very fine to coarse, subangular, moderate sorting.

593-598 Sand - moderate yellowish brown (10YR 5/4); very fine to granular, subangular, poorly sorted; saprolitic basement; fuschite.

598-604 No Sample.

Logged by: J. K. Polzin
August 20, 1980