

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4961
C-91

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: W. W. Clare Mailing Address: King George, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, VA 22572

WELL LOCATION: County King George Approx. 300 ~~feet~~ feet East (direction) of
intersection of
Routes 205 and 301 and _____ feet
_____ (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: _____ DATE COMPLETED: 3 November 1977

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 463 feet

WATER LEVEL: Stands 172 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift HOLE SIZE: 6-3/4 inches from 0 to 294 feet
Drawdown 60 feet 3-7/8 inches from 294 to 463 feet
Rate 40 gal. per min. _____ inches from _____ to _____ feet
Duration 3 hrs., _____ min. SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet #20G 2 inches from 421 to 431 feet
from 421 to 431 feet #20G 2 inches from 439 to 449 feet
from 439 to 449 feet CASE SIZE: 4 inches from 0 to 296 feet
STANDARD SCHEDULE 2 inches from 290 to 421 feet
40 T&C GALVANIZED 2 inches from 449 to 463 feet

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

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

GROUTING: Method None
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type Not yet installed
Capacity _____ gal per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes XX 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: This is a CLASS II TYPE A Well of materials and construction as per specifications of Virginia Health Department publication "Drilled Wells for Public Water Supply" dated 9 Feb 1970. Copies of this report sent to VSWCB and to Owner. Drill Cutting Samples await normal State pickup at our office.

(LOG OF WELL) OVER

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	73	reddish tan, orange/white	fine sand, medium sand, coarse sand, with varying % clay binder
73	126	grey/olive	fine sand with clay binder
126	168	grey/olive	fine sand with clay binder and shell trace
168	241	dk grey/black	fine sand with clay binder and shell
241	273	pink/red	fine sand with clay binder, sticky soft
273	336	black/dk grey	fine sand with clay binder and shell
336	357	blue/grey	fine sand with clay binder and shell
357	378	lt grey w/brown & red	fine sand with clay binder KG cc
378	399	lt grey, yellow	fine sand with clay binder KG cc
399	420	red/brown with lt grey	fine sand with clay binder KG cc
420	430	brown and grey	fine and medium brown sands with coarse grey sands. Sharp. SCREEN
430	441	brown & med grey	fine sand with clay binder
441	445	med grey	fine and medium grey sands SCREEN
445	463	brown & med grey	fine sand with clay binder
		TOTAL DEPTH 463'	W. W. CLARE, CIRCLE, KING GEORGE 3 Nov 1977

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1 Well Repository No: C-91 W-4961
 Date rec'd: 11/18/77 Date Processed: 1/6/78 Sample Interval: from: 0 to: 463'
 PROPERTY: W. W. Clare Number of samples: 44
 COMPANY: Douglas Drilling Co. Total Depth: 463'
 COUNTY: King George (Edgehill) Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0-10	262-273	-	-
10-21	273-283	-	-
21-31	283-294	-	-
31-42	294-304	-	-
42-52	304-315	-	-
52-63	315-325	-	-
63-73	325-336	-	-
73-84	336-346	-	-
84-94	346-357	-	-
94-105	357-367	-	-
105-115	367-378	-	-
115-126	378-388	-	-
126-136	388-399	-	-
136-147	399-409	-	-
147-157	409-420	-	-
157-168	420-430	-	-
168-178	430-441	-	-
178-189	441-445	-	-
189-199	445-463	-	-
199-210	-	-	-
210-220	-	-	-
220-231	-	-	-
231-241	-	-	-
241-252	-	-	-
252-262	-	-	-

Washed and unwashed samples

Owner: W. W. Clare
Driller: Douglas
County: King George

W# 4961
C# 91
Total Depth: 463'
Quad: King George
Elev: 180'

Depth
(feet)

WELL LOG

0-10 Sand - dark yellowish orange (10YR 6/6); sparse clay; medium to coarse with some very coarse, subangular, moderate sorting.

10-42 Sand - grayish orange (10YR 7/4); moderate clay - sparse at 20-42, some white, pink; medium to very coarse with some granules, angular and subangular, moderate sorting.

42-73 Sand - grayish orange (10YR 7/4); sparse clay; medium to granule with small pebbles at 52-63, angular to rounded, poor sorting; iron oxide fragments.

73-84 Sand - light olive brown (5Y 5/6); abundant clay (dark gray and grayish orange clays); fine to granule, subangular, poorly sorted.

84-94 Clay - light olive gray (5Y 6/1); sparse sand; medium to very coarse, subangular, poorly sorted.

94-126 Clay - light olive gray (5Y 6/1); abundant sand, fine to very coarse, subangular, poorly sorted.

126-146 Clay - light olive gray (5Y 5/1); abundant sand; very fine to fine, subangular, well sorted; 5% glauconite; rare shell fragments; mica.

146-178 Sand - olive gray (5Y 4/1); 50% glauconite; abundant clay; very fine to small granule, subangular, moderate sorting; 3% shell fragments, 20% at 168-178 - Turritella; bone fragments, teeth (ext. sand shark?) at 168-178; mica.

178-189 Sand - dark olive gray (5GY 4/1); 80% glauconite; abundant clay; fine to very coarse, subangular, moderate sorting; 10% shell fragments; mica.

189-210 Sand, Glauconitic - light olive gray (5Y 5/1); 50% glauconite; abundant clay; fine to granule, subangular, poor sorting; 20% shell fragments; mica.

210-241 Sand, Glauconitic - light olive gray (5Y 4/1); 70% glauconite; abundant clay; fine to very coarse, subangular, moderate sorting; shell fragments - 30% at 210-220, 40% at 220-230, and 20% at 230-241; mica.

Owner: W. W. Clare

W# 4961

C# 91

Depth
(feet)

- 241-273 Clay - grayish orange pink (5YR 7/2) and light olive grey (5Y 6/1) grading from mostly pink at 241-252, mixed and mostly gray at 262-273; abundant sand; fine to coarse, subangular, moderate sorting; rare shell fragments; mica.
- 273-283 Sand - light olive gray (5Y 6/1); abundant clay; fine to coarse, subangular, moderate sorting; 30% glauconite; 10% shell fragments - Turritella; mica.
- 283-315 Sand - light olive gray (5Y 4/1); abundant clay; fine to coarse, subangular, moderate at 283-294 and well sorted thereafter; 30% glauconite at 283-294, then 40%; 30% fine shell fragments; shark (Mako?) teeth; mica.
- 315-336 Sand - light olive gray (5Y 4/1); 50% to 60% glauconite; abundant clay; fine to very coarse, subangular, moderate sorting; 20% to 10% shell fragments; forams - Nodosaria, Nonion; ostracod.
- 336-357 Sand - light olive gray (5Y 5/1); 50% glauconite; abundant clay and powdered calcium carbonate from crushed shells; fine to very coarse; subangular, moderate sorting; 5-10% shell fragments; bone fragment.
- 357-388 Sand - moderate yellowish brown (10YR 5/4); abundant clay; fine to very coarse, subangular, poorly sorted; 8% glauconite; rare shell fragments.
- 388-399 Sand - pale yellowish brown (10YR 6/2); abundant clay - white, gray, red, yellow clasts; fine to very coarse, subangular, poorly sorted; 8% glauconite; rare shell fragments.
- 399-420 Clay - moderate yellowish brown (10YR 5/4); abundant sand; medium to very coarse, fine to very coarse at 409-420, subangular, poorly sorted.
- 420-463 Sand - yellowish brown (10YR 5/2); moderate silt at 420-440, moderate to sparse clay at 440-463; medium to very coarse at 420-440, fine to granule at 440-445 and coarse to very coarse at 445-463; subangular, moderate sorting with poor at 440-445; rose quartz.

Logged by: J. K. Polzin
October 31, 1980