

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W - 5974
C - 91

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: E. E. Orange Mailing Address: Providence Forge, Va. 23140

TENANT: _____ Mailing Address: _____

DRILLER: W. H. Gammon Mailing Address: Route 2, Box 117B (966-2615)
Providence Forge, Va. 23140

WELL LOCATION: County New Kent Approx. 3 ~~XXXX~~ miles north (direction) of
Providence Forge, Va. and 4 ~~XXXX~~ miles south (direction) of Route #249

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

DATE STARTED: June 17, 1980 DATE COMPLETED: June 19, 1980

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 354 feet

WATER LEVEL: Stands 133 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method _____
Drawdown _____ feet
Rate 40 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 6-3/4 inches from 0 to 354 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 4 inches from 0 to 331 feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type submersible
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: _____

LOG

FURNISHED BY: W. H. Gammon

DATE: June 24, 1980

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	23	red clay, red sand, yellow clay & gravel	
23	34	sand, yellow clay & small gravel	
34	54	sand	
54	74	sand	
74	94	sand	
94	114	sand, gray mud	
114	134	gray mud, sand & shell	
134	154	sand & blue rock, gray mud	
154	174	rock & gray mud	
174	194	gray rock, salt & pepper sand & black mud	
194	214	black mud & black sand	
214	234	black mud & black sand	
234	254	black sand & black mud & some shells	
254	274	black mud and black sand	
274	294	black sand & black mud	
294	314	white clay, red clay, green clay	
314	334	white clay, sand clay & fine sand	
334	344	white mud, sand clay, sand	
344	354	sand, green & red mud	

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

INTERVAL SHEET

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C-91
Well Repository No.: W-5974

Date rec'd: 7-18-80 Date Processed: 11-13-80

Sample Interval: from 0 to: 354

PROPERTY: E. E. Orange

Number of samples: 19

COMPANY: W. H. Gammon

Total Depth: 354

COUNTY: New Kent (Tunstall)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0 - 23	-	-	-	-
23 - 34	-	-	-	-
34 - 54	-	-	-	-
54 - 74	-	-	-	-
74 - 94	-	-	-	-
94 - 114	-	-	-	-
114 - 134	-	-	-	-
134 - 154	-	-	-	-
154 - 174	-	-	-	-
174 - 194	-	-	-	-
194 - 214	-	-	-	-
214 - 234	-	-	-	-
234 - 254	-	-	-	-
254 - 274	-	-	-	-
274 - 294	-	-	-	-
294 - 314	-	-	-	-
314 - 334	-	-	-	-
334 - 344	-	-	-	-
344 - 354	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Owner: E. E. Orange
Driller: W. H. Gammon
County: New Kent

W# - 5974
C# - 91
Total Depth: 354'
Quad:
Elev:

Depth
(feet)

WELL LOG

- 0-23 Gravel - mixed colors; 50% rounded pebbles, well sorted; 50% clasts of iron oxide cemented sand grains, fine to very coarse, subangular, poorly sorted; limonite; hematite.
- 23-54 Sand - dark yellowish orange (10YR 6/6); very fine to round granules, angular and subangular, moderate sorting; 30% hematite/iron oxide/limonite clasts, 10% at 34-54'.
- 54-114 Sand - very pale orange (10YR 8/2); medium, subangular, well sorted; at 94-114' 10% large granule and hematite fragments.
- 114-134 Sand - light olive gray (5Y 5/2); moderate clay; medium, subangular, well sorted; 5% large granules/hematite fragments.
- 134-154 Sand - light olive gray (5Y 5/2); moderate clay, fine to coarse, subangular, moderately well sorted; 10% medium, dark green glauconite; 30% fine shell fragments; fish teeth; bone fragment.
- 154-194 Sand - light olive gray (5Y 6/1); 50% coquina fragments; fine to very coarse, subangular, poorly sorted; 30% glauconite - loose and in coquina; ~~fine to medium, dark green glauconite; o~~ ostracods; forams.
- 194-234 Sand, glauconitic - light and dark gray; 60% glauconite; sparse clay - to moderate at 214-234'; fine to very coarse with very few rounded pebbles, subangular, moderate sorting; 10% shell fragments; ~~bone fragments~~ bone fragments.
- 234-274 Sand, glauconitic - olive gray (5Y 3/2); 85% glauconite; sparse clay; very fine to very coarse, subangular, poorly sorted; phosphate nodule; hematite fragment; rare shell fragments; mica in clay at 254-274'; garnet; rose quartz.
- 274-294 Sand, glauconitic - olive gray (5Y 3/2); 85+% glauconite; moderate clay; very fine to very coarse, subangular, moderate sorting; very rare shell fragments; mica.
- 294-314 Clay - yellowish gray (5Y 7/2); abundant sand, very fine to medium, subangular, well sorted; 3% glauconite; mica; garnet.
- 314
~~314~~-354 Sand - light and dark gray; sparse clay; fine to very coarse, angular and subangular, moderate sorting; 40% glauconite and 10% at 344-354'; feldspar; garnet; mica.

Logged by: J. K. Polzin
November 26, 1980