

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

Attn: Mr. H. N. Spurlock

OWNER: Wright Chemical Corporation

Mailing Address: Rigelwood, N. C. 28456

TENANT: same

Mailing Address:

R#1, Box 110,

DRILLER: Mitchell's Well & Pump Company

Mailing Address: Col. Hgts., Va. 23834

WELL LOCATION: County Sussex

Approx. 1-3/4

feet miles

North

(direction) of

Waverly, Va., on Highway #460

and

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: September 26, 1969

DATE COMPLETED: October, 1969

TYPE OF DRILL RIG USED: cable tool

TOTAL DEPTH 294' 4" feet

WATER LEVEL: Stands 100 feet below surface OR

has NATURAL flow of gallons per minute.

YIELD TEST: Method pumped

HOLE SIZE: 12 inches from 0 to 55' feet

with average drawdown of 59' feet

when pumped @ Avg. Rate 232.2 gal. per min.

Duration 71 hrs., 45 min. not continuous

SCREEN SIZE: 5 inches from to feet

30' screen spaced at 10' intervals with blank between and above. inches from to feet

WATER ZONES: from to feet

from to feet

from to feet

CASE SIZE: 6 inches from 0 to 229 feet

WATER: Color clear Taste good

Odor none Temp. °F

GROUTING: Method pumped in under pressure

Material cement & water Depth 55 feet

WELL TO SUPPLY: (check one) Home

Farm Town School

Industry XXXX Other

PUMP: Type not installed this date

WATER ANALYSIS AVAILABLE: Yes No

Capacity gal per min

DRILL CUTTINGS SAVED: (29) Yes XXXX No

Depth of intake 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 # 2 for industrial site.

CC: Wright Chemical Corp.; State Health Department; Sussex Cnty. Health Dept.

LOG

FURNISHED BY: Mitchell's Well & Pump Company

DATE: October 22, 1969

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Red mud	Sample # 1
10	20	red mud	2
20	30	red mud and sand, some gravel	3
30	40	blue mud and sand, some gravel	4
40	50	gravel and shells	5
50	60	gravel and shells	6
60	70	mud and clay, few shells	7
70	80	blue gray mud, marl and shells	8
80	90	blue gray mud, marl, trace of shell	9
90	100	ditto	10
100	110	"	11
110	120	"	12
120	130	"	13
130	140	black mud and sand, trace of shell	14
140	150	black mud and sand	15
150	160	black mud and sand, trace of shell	16
160	170	black sand and gravels	17
170	180	white sand and gravels	18
180	190	white sand and fine gravel	19
190	200	ditto	20
200	210	"	21
210	220	gray and white sand and fine gravel	22
220	230	white sand, fine gravel	23
230	240	white sand	24
240	250	white sand	25
250	260	white sand and gravel	26
260	270	white sand	27
270	280	white sand and gravel	28
280	294 1/3	white sand and gravel	29
		Samples retained at our offices for pickup by Personnel of DIVISION OF MINERAL RESOURCES, Charlottesville, Virginia	

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

INTERVAL SHEET

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C-225
Well Repository No: W-2709

Date rec'd: 12-15-69 Date Processed:

Sample Interval: from: 0 to: 294' 4"

PROPERTY: Wright Chemicals Corp #2

Number of samples: 29

COMPANY: Mitchell's Well & Pump Co.

Total Depth: 294' 4"

COUNTY: Sussex (Waverly)

Oil or Gas: Water ~~xx~~ Exploratory:

From-To	From-To	From-To	From-To
0-10	250-260	-	-
10-20	260-270	-	-
20-30	270-280	-	-
30-40	280-294' 4"	-	-
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	-	-	-

OWNER: Wright Chem. Corp. #2
DRILLER: Mitchell's
COUNTY: Sussex

W# 2709
C# 225
Total Depth: 294'
Quad: Waverly
Elev: 108'

Depth
(feet)

Well Log

- 0-10 Clay - grayish orange (10yr 7/4); very sparse sand; fine - coarse, angular, poorly sorted.
- 10-20 Clay - dark yellowish orange (10yr 6/4); moderate sand; fine to medium with some larger grains, angular, poor sorting.
- 20-30 Sand - yellowish orange (10yr 6/4); fine to pebble, angular and subrounded to rounded, poorly sorted; few phosphate fragments.
- 30-40 Gravel - pale yellowish brown (10yr 6/2); abundant clay - gray and light brown; fine to pebble, angular and subrounded to rounded, poorly sorted; iron oxides.
- 40-60 Gravel, Shell - light and dark gray; 90% shell fragments - Mulina congesta; sparse clay; sparse sand; fine to coarse, subangular, poorly sorted; limestone fragments; iron oxide.
- 60-70 Gravel, Shell - pale yellowish brown (10yr 6/2); *60% shell fragments; abundant clay; abundant sand; fine to coarse, subangular, poorly sorted; 1% phosphate fragments; *Dentalium, Glycimeris, Nuculana Acota.
- 70-80 Gravel, Shell - light olive gray (5y 6/1); 50% large 30mm+ fragments of shell/limestones; sand, fine to medium, subangular, poorly sorted; rare phosphate fragments; Echinoderm spines.
- 80-110 Sand - light olive gray (5y 5/2); abundant clay; medium, subangular, well sorted; 1%+ phosphate fragments; rare shell fragments at 90-100'; Forams - 100-110*; mica; ostracods. *Eponides.
- 110-120 Sand - light olive gray (5y 5/1); sparse clay in gray and brown clasts; fine to medium, subangular, moderately sorted; red Bryozoa and fragments - 25%; 25% fine glauconite; shell and calcite fragments; Forams; Pyrite.
- 120-130 Clay - light olive gray (5y 6/2); abundant sand, fine to granule, subangular and angular, poorly sorted; Bryozoa; mica.

OWNER: Wright Chem. Corp. #2 -2-

W# 2709

C# 225

Total Depth: 294'

Depth
(feet)

- 130-140 Sand, Glauconitic, Clayey - light and dark green; abundant clay; 60+% glauconite, fine and dark green; fine to medium, subangular, well sorted; *garnet; mica; Bryozoa; large rounded phosphate fragments.
- 140-160 Sand, Glauconitic - olive black (5y 2/1); 90+ glauconite; very sparse clay clasts at 150-160'; ~~sparse sand~~ fine to medium, subangular, well sorted.
- 160-170 Gravel - mixed colors; fine to coarse and pebbles, angular and round, well sorted; 30% fine glauconite; garnet.
- 170-210 Sand - light olive gray (5y 9/1); coarse to granule, angular to subangular, poor sorting; few glauconite grains; feldspar; garnet; iron oxide fragments at 180-190'.
- 210-220 Sand - very pale orange (10yr 8/2); moderate dusky yellow clay clasts with abundant rounded sand grains; medium to granule, angular and sub-rounded, poorly sorted; feldspar; garnet.
- 220-294 Sand - light olive gray (5y 9/1); medium to granule, pebbles at 250-260' and 270-294'; subangular to subrounded, ~~pebbles~~, moderate sorting, poor sorting at 290-294'; feldspar; garnet.

Logged by: J. K. Polzin
Sept. 23, 1980