

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Stamie Lyttle Co. Mailing Address: P.O. Box 4205 Richmond, VA 23224

TENANT: Whiting Oil Co. Mailing Address: _____

DRILLER: Sydnor Hydrodynamics Mailing Address: P.O. Box 27186 Richmond, VA 23261

WELL LOCATION: County Chesterfield Approx. 1500 feet miles North (direction) of Rt. 60 and 30 feet miles West (direction) of Rt. 147

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

DATE STARTED: 6/13/77 DATE COMPLETED: 6/22/77

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 190 feet

WATER LEVEL: Stands 5 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pump
Drawdown 12 feet
Rate 18 gal. per min.
Duration 4 hrs., _____ min.

HOLE SIZE: 11 inches from 0 to 50 feet
6 inches from 50 to 190 feet
_____ inches from _____ to _____ feet

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

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 6 inches from +2 to 50 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

PUMP: Type _____
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: _____

FURNISHED BY: Lonnie Cox

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	21	Brown sand & clay	
21	25	Sandy clay with some gravel	
25	35	River rock with clay mixed	
35	38	Hard brown clay	
38	47	Sand and river rocks	
47	190	Red and gray granite	

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INTERVAL SHEET

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Date rec'd: 8/29/77 Date Processed: 9/20/77

PROPERTY: Stamie Lyttle Company

COMPANY: Sydnor Hydrodynamics

COUNTY: Chesterfield
 (Robius)

Well Repository No: W# 4894

Sample Interval: from: to:
 C# 224
 0 190

Number of samples: 19

Total Depth: 190'

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 10	-	-	-
110 - 20	-	-	-
120 - 30	-	-	-
130 - 40	-	-	-
140 - 50	-	-	-
150 - 60	-	-	-
160 - 70	-	-	-
170 - 80	-	-	-
180 - 90	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed only

OWNER: Stomie Lyttle Co.
DRILLER: Sydnor Hydrodynamics
COUNTY: Chesterfield
(Robins)

W# 4894
C# 224
TOTAL DEPTH: 190'
QUAD: Bon Air

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Clay -- moderate yellowish brown; moderate silt; abundant sand; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; some feldspar; few flakes of muscovite.
- 10 - 20 Sand -- dark yellowish orange; moderate clay; fine to coarse grained, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 20 - 30 Sand and gravel -- dark yellowish orange; slightly clayey; fine to coarse grained, 5% granules, 40% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
- 30 - 40 As above except sand; no pebbles; moderately sorted.
- 40 - 50 Sand -- grayish orange; slightly clayey; medium grained to granular, 5% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 50 - 60 Granite -- medium light gray, moderate orange pink; equigranular quartz; feldspar; 7% biotite; few flakes of muscovite.
- 60 - 70 Granite -- grayish orange pink; quartz; feldspar; 5% biotite; few grains of muscovite.
- 70 - 80 As above
- 80 - 90 Granite -- medium light gray, moderate orange pink; quartz; feldspar; 7% biotite; few flakes of muscovite; few grains of pyrite.
- 90 - 100 As above
- 100 - 110 As above except 5% biotite.
- 110 - 120 Granite -- medium gray, moderate orange pink; equigranular; quartz; feldspar; 3% biotite.
- 120 - 130 As above plus few grains of pyrite.
- 130 - 140 As above except 5% biotite; some muscovite.

Depth
(feet)

140 - 150 Granite -- moderate orange pink, medium gray; equigranular; feldspar; quartz; 7% biotite; few flakes of muscovite; few grains of pyrite.

150 - 160 As above

160 - 170 As above except no pyrite.

170 - 180 As above plus some pyrite crystals

180 - 190 As above except few grains of pyrite; few octahedral magnetite crystals.

NOTE: All samples are unwashed.

Logged by; Michael T. Currie
December 26, 1978

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 50	50	Columbia Group	Pleistocene
50 - 190	140	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
December 28, 1978