

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: Irving Owings Mailing Address: Kilmarnoch, Va.

TENANT: Laurel Point Sub, Well #2 Mailing Address: \_\_\_\_\_

DRILLER: Fetterolf Bros. Mailing Address: Syringa, Va.

WELL LOCATION: County Lancaster Approx. 3 ~~xxx~~ <sup>miles</sup> NW (direction) of  
Kilmarnock and xxxxx <sup>feet</sup> SE (direction) of St. Rd. 614

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

DATE STARTED: Nov. 15, 1969 DATE COMPLETED: Dec. 20, 1969

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 664 feet

WATER LEVEL: Stands 55 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Air  
Drawdown \_\_\_\_\_ feet  
Rate 75 gal. per min.  
Duration 6 hrs., \_\_\_\_\_ min.

HOLE SIZE: 10 inches from 0 to 100 feet  
6 1/4 inches from 100 to 210 feet  
3-7/8 inches from 210 to 664 feet

WATER ZONES: from 640 to 660 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 2 inches from 640 to 660 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 4 inches from 0 to 210 feet  
2 inches from 210 to 640 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other 7 homes

GROUTING: Method Pump  
cement  
Material & water Depth 100 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_  
(67)  
DRILL CUTTINGS SAVED: Yes X No \_\_\_\_\_

PUMP: Type Piston  
Capacity 50 gal. per min  
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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: C-102  
 W- 2828

Date rec'd: 3/3/70 Date Processed: 5/14/70

Sample Interval: from 1 to: 660

PROPERTY: Irving Owings (Laurel Point #2)

Number of samples: 66

COMPANY: Fettorolf Bros.

Total Depth: 664'

COUNTY: Lancaster (Kilmarnock)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
1-10	300-310	600-610	-	-
10-20	310-320	610-620	-	-
20-30	320-330	620-630	-	-
30-40	330-340	630-640	-	-
40-50	340-350	640-650	-	-
50-60	350-360	650-660	-	-
60-70	360-370	-	-	-
70-80	370-380	-	-	-
80-90	380-390	-	-	-
90-100	390-400	-	-	-
100-110	400-410	-	-	-
110-120	410-420	-	-	-
120-130	420-430	-	-	-
130-140	430-440	-	-	-
140-150	440-450	-	-	-
150-160	450-460	-	-	-
160-170	460-470	-	-	-
170-180	470-480	-	-	-
180-190	480-490	-	-	-
190-200	490-500	-	-	-
200-210	500-510	-	-	-
210-220	510-520	-	-	-
220-230	520-530	-	-	-
230-240	530-540	-	-	-
240-250	540-550	-	-	-
250-260	550-560	-	-	-
260-270	560-570	-	-	-
270-280	570-580	-	-	-
280-290	580-590	-	-	-
290-300	590-600	-	-	-

Unwashed samples only

OWNER: Irving Owings (Laurel Point #2)  
DRILLER: Fetterolf Bros.  
COUNTY: Lancaster

W # 2828  
C # 102  
TOTAL DEPTH - 664'  
QUAD - Irvington  
ELEV - 49'

DEPTH  
(FEET)

WELL LOG

0-20	Sand	- grayish orange (10YR 7/4); sparse clay; fine to coarse, subangular, moderate sorting; some angular grains at 10-20'.
20-50	Sand	- grayish orange (10YR 7/4); fine to very coarse with granules at 30-50' and very fine at 40-50', subangular, moderate sorting.
50-60	Sand	- grayish orange (10YR 7/4); abundant clay; medium to granules, subangular, moderate sorting.
60-90	Sand	- moderate yellow brown (10YR 5/4); abundant clay; fine and very coarse, subangular, moderate sorting; mica.
90-120	Sand	- pale yellowish brown (10YR 6/2); moderate clay; medium and very coarse with medium to very coarse at 110-120'; subangular, moderate sorting; phosphate fragments at 110-120'; 10% shell fragments; mica.
120-140	Clay	- pale yellowish brown (10YR 6/2); abundant sand; medium to very coarse, subangular, poor sorting; 10% shell fragments; mica.
140-210	Clay	- light olive gray (5Y 6/1); abundant sand; medium to very coarse, subangular, poorly sorted; 1% shell fragments; mica.
210-330	Clay	- light olive gray (5Y 7/1); abundant sand; very fine to medium, subangular, well sorted; abundant diatoms at 320-330'.
330-340	Sand	- light olive gray (5Y 6/2); abundant clay; medium to very coarse, subangular, moderate sorting; 1% phosphate fragments; 1% shell fragments; forams - <u>Siphogenerina</u> , <u>Nonion</u> .
340-350	Sand	- light olive gray (5Y 6/1); sparse clay; fine to very coarse, subangular, moderate sorting; 1% phosphate fragments; 25% shell fragments; forams; shark tooth.

DEPTH  
(FEET)

WELL LOG

350-380	Sand	-	light olive gray (5Y 5/2); very sparse clay; medium to coarse, subangular, well sorted; 1%+ shell fragments; forams - <u>Siphogenerina</u> ; teeth; bone fragments.
380-400	Sand	-	light olive gray (5Y 6/1); abundant clay; medium to coarse, subangular, well sorted; 10% glauconite; 10-20%+ shell fragments - heavily clay coated; forams - <u>Nonion</u> .
400-430	Sand	-	yellowish gray (5Y 7/2); abundant clay; fine to granule, subangular, moderate sorting; 10% glauconite with 30% glauconite/phosphate fragments; 1%+ shell fragments; forams.
430-440	Sand, Glauconitic	-	light olive gray (5Y 4/2); 60% glauconite; abundant clay; fine to granule, subangular, poorly sorted; 1%+ shell fragments.
440-450	Sand	-	medium yellow brown (5Y 6/2); abundant clay; fine to granule, subangular, poorly sorted; 40% glauconite; 1%+ shell fragments.
450-460	Sand	-	medium yellow brown (5Y 6/2); 50% glauconite; moderate clay; fine to granule, subangular, poorly sorted; 1% shell fragments; coral fragment.
460-530	Sand, Glauconitic	-	light and dark green; 90% dark green, coarse to granule sized glauconite; fine to very coarse, poorly sorted sand; sparse clay from 460-490' and moderate from 490-530'; rare shell fragments.
530-550	Sand, Glauconitic	-	light olive gray (5Y 6/1); abundant clay; approximately 60% glauconite; medium to very coarse, subangular, poorly sorted; rare shell fragments.
550-560	Clay	-	light olive gray (5Y 6/1); abundant sand; medium to very coarse, subangular, poorly sorted; 40% glauconite.
560-580	Sand	-	light olive gray (5Y 6/1); 50% glauconite; abundant clay; medium to very coarse, subangular, poorly sorted.

DEPTH  
(FEET)

WELL LOG

580-590	Sand, Glaucinitic	- dark greenish gray (5GY 4/1); 80% glauconite; moderate clay; fine to coarse, subangular, moderate sorting; forams - <u>Robulus</u> ; coral.
590-620	Sand, Glaucinitic	- light olive gray (5Y 5/2); 50% glauconite; moderate clay; fine to granule, subangular and subrounded, moderate sorting; mica at 610-620'.
620-650	Sand	- light olive gray (5Y 5/2); moderate clay; fine to subrounded granules, subangular, moderate sorting; glauconite - 40% at 620-630', 20% at 630-640', and 10% at 640-650'; rare shell fragments; mica.
650-660	Sand	- light olive gray (5Y 7/1); fine to granule, subangular, moderate sorting; 3% glauconite; rose quartz; feldspar; mica; garnet.
660-664	No samples.	

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