

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5934  
C 169

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

OWNER: Clifford Lawson (Little River Seafood) Mailing Address: Fairport, Virginia

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Douglas Drilling Co., Inc. Mailing Address: P. O. Box 498, Warsaw, Va. 22572

WELL LOCATION: County Northumberland Approx. 13.175 <sup>feet</sup>/<sub>miles</sub> N.E. (direction) of

intersection 200 and 360 near Burgess and 8.750 <sup>feet</sup>/<sub>miles</sub> N.E. (direction) of int. 360 & 647 near

(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: April 1, 1979

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 755' feet

WATER LEVEL: Stands 15 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Air Lift HOLE SIZE: 8 1/2 inches from 0 to 54 feet  
Drawdown 60 feet 6 1/2 inches from 54 to 147 feet  
Rate 50 gal. per min. 3 7/8 inches from 147 to 755 feet  
Duration 2 hrs., \_\_\_\_\_ min. SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 725 to 745 feet #20 G. \_\_\_\_\_ inches from 725 to 745 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_ CASE SIZE: 4 inches from 0 to 147 feet  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F Standard  
Schedule 2 inches from 147 to 725 feet  
40 Galv.  
T. & C. 2 inches from 745 to 755 feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_ GRROUTING: Method Tremmie Pipe  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_ Material Neat Cement Depth 54' feet

Industry \_\_\_\_\_ Other Seafood Packing Co. PUMP: Type Submersible  
Capacity 40 gal. per min

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X Depth of intake 60 feet

DRILL CUTTINGS SAVED: Yes X 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 B Well of materials and construction as per specification of Virginia Health Dept. publication "Drilled Wells for Public Water Supply" dated Feb. 9, 1970.

Jdne 12, 1979 copy sent to Va. State Water Control Board and owner. Drill cuttings await normal pickup at our office.

# 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	12	white-fine sand mixed with light brown, white, and light gray clay	
12	22	light brown-fine sand with light brown, and light gray clay mixed with coarse sand and fine gravel	
22	63	grey-fine sand with sandy gray clay	
63	84	grey-fine sand with grey clay and creamy shell	
84	176	grey-fine sand with grey clay	
176	193	grey-fine sand with crunchy grey shell and some gray clay	
193	340	grey-fine sand with dark green clay	
340	360	grey-fine, medium, and coarse grey sand with creamy shell mixed in	
360	376	grey-fine, medium, and coarse sand becoming mixed gray clay	
376	399	grey-fine sand with light and dark grey clay	
399	420	black/white-fine sand becoming mixed with light and dark grey clay	
420	428	black/white-fine sand	
428	435	black/white-fine sand with crusty rock layers	
435	441	grey/brown-fine, medium & coarse sand with some white clay & some fine black sand	
441	483	black-fine & medium sand with fine gravel with coarse brown & gray sand	
483	567	black-fine sand mixed with dark grey clay	
567	603	black-fine sand with some brown shell	
603	630	black/grey-fine sand mixed with light grey clay	
630	693	black-fine sand & fine & medium gray sand with dark green, dark grey, and dark red clay	
693	714	grey-fine & medium sand with some gray clay	
714	747	grey-fine, medium & coarse sand	
747	755	grey-fine sand becoming mixed with & changing to gray clay	
Clifford Lawson (Little River Seafood) Well 4-1-79		755' Total Depth	

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

INTERVAL SHEET

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Well Repository No.: W- 5934  
 C- 169

Date rec'd: Date Processed: 6/20/80

Sample Interval: from 0 to: 755'

PROPERTY: Clifford Lawson

Number of samples: 72

COMPANY: Douglas

Total Depth: 755'

COUNTY: Northumberland

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-12	315-325	630-640	-	-
12-22	325-336	640-651	-	-
22-31	336-340	651-661	-	-
31-42	340-357	661-672	-	-
42-52	357-360	672-682	-	-
52-63	360-376	682-693	-	-
63-73	376-388	693-703	-	-
73-84	388-399	703-714	-	-
84-94	399-409	714-725	-	-
94-105	409-420	725-735	-	-
105-115	420-428	735-747	-	-
115-126	428-441	747-755	-	-
126-136	441-451	-	-	-
136-147	451-462	-	-	-
147-157	462-472	-	-	-
157-168	472-483	-	-	-
168-176	483-493	-	-	-
176-189	493-504	-	-	-
189-193	504-514	-	-	-
193-210	514-525	-	-	-
210-220	525-535	-	-	-
220-231	535-546	-	-	-
231-241	546-556	-	-	-
241-252	556-567	-	-	-
252-262	567-577	-	-	-
262-273	577-588	-	-	-
273-283	588-598	-	-	-
283-294	598-603	-	-	-
294-304	603-619	-	-	-
304-315	619-630	-	-	-

Owner: Clifford Lawson  
Driller: Douglas  
County: Northumberland

W# 5934  
C# 169  
Total Depth: 755'  
Quad: Burgess  
Elev: 8'

Depth  
(feet)

Well Log

- 0-22 Sandstone - very pale orange (10yr 8/2); very fine to pebble, subangular, poor sorting; bone fragment and mica at 10-22'.
- 22-42 Sand - light olive gray (5y 5/2); coarse, subangular, well sorted; sparse clay; some pebbles.
- 42-63 Clay - light olive brown (5y 4/6); abundant sand; very fine to coarse, subangular with some rounded pebbles at 52-63', well sorted; brown stains on clay clasts.
- 63-84 Sand - light olive gray (5y 5/2); abundant clay; very fine and some coarse, few pebbles at 73-84', subangular and round at 73-84', moderate sorting; 5 to 2% shell fragments.
- 84-168 Clay - light olive gray (5y 6/1)\*; abundant sand; \*and (5y 5/1) from 147 onward; very fine at 84-94', medium at 94-105', and very fine to medium - 105-168', subangular, well sorted; Diatoms; ~~very fine mica~~ very fine mica; very few shell fragments at 157-168'.
- 168-193 Sand - light olive gray (5y 5/1); abundant clay; calcium carbonate at 176-189; and both at 189-193'; very fine to medium, subangular, well sorted; 20% shell fragments at 176-189' and few at 189-193'.
- 193-304 Clay - light olive gray (5y 5/1); abundant sand; very fine to medium, subangular, well sorted; very rare shell fragments at 220-231'; sparse Diatoms 231-273' and again at 294-304'.
- 304-325 Clay - moderate yellowish gray (5y 6/2); abundant sand; very fine to medium, subangular, well sorted; Forams.
- 325-336 Clay - light olive gray (5y 5/2); abundant sand; very fine to medium, subangular, well sorted; 1 pecten fragment - beautifully iridescent.
- 336-357 Sand - moderate yellowish gray (5y 6/2); abundant clay; fine to coarse and to granule at 340-357', subangular, moderate sorting; 15% shell fragments at 336-340' and 30% at 340-357' - Turritella; tooth (rodent).
- 357-376 Sand - light olive gray (5y 5/1); abundant clay; fine to very coarse, subangular, moderate sorting; 1% shell fragments, (1 very large piece); Forams - Nonion.

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Total Depth: 755'

Depth  
(feet)

- 376-399 Shell Hash, Finely Ground - light olive gray (5y 5/1); (50% very finely ground shell fragments); abundant clay; fine to very coarse, subangular, moderate sorting; 20% glauconite; Forams - Robulus, Cibicides, Discorbis; Ostracods.
- 399-420 Sand, Glauconitic - light olive gray (5y 5/2); abundant clay; 50% glauconite; coarse to very coarse, subangular, well sorted; calcium carbonate powder from ground shell fragments; very rare fine shell fragments; Forams.
- 420-451 Sand, Glauconitic - light olive gray (5y 5/2); 60% glauconite; abundant calcium carbonate powder; moderate clay; medium to granules, subangular, poor sorting; large to small limestone/sand/clay/shell fragments - in clasts; rare finely ground shell fragments; rare Forams.
- 451-483 Sand, Glauconitic - light olive gray (5y 5/2); 80% glauconite; abundant calcium carbonate powder; sparse clay; medium to granule, (subangular) to rounded, poorly sorted; rare shell fragments; rare foram.
- 483-494 Gravel, Shell, Finely Ground - light olive gray (5y 5/2); abundant clay; abundant calcium carbonate powder; 80% glauconite; sparse sand; medium to granule, subangular, poorly sorted; shell fragments - finely ground; Forams-Robulus, Cibicides, Discorbis.
- Note 400-494 appear to be distinct beds of sand, glauconitic and shell hash, finely ground.
- 493-514 Clay - light and dark gray; abundant calcium<sup>carbonate</sup>; 90% glauconite; sparse sand; medium to granule, angular to rounded, few grains; shell fragments - finely ground; Forams; Ostracods.
- 514-546 Clay - light olive gray - (5y 5/1); 80% glauconite; abundant sand at 514-535'; medium to granule, angular to rounded, poorly sorted; shell fragments - finely ground; Forams; Ostracods.
- 546-556 No Sample
- 556-567 Clay - light olive gray (5y 6/1); abundant sand; fine to pebble, subangular, rounded, poorly sorted; 40% glauconite; shell fragments - finely ground; some clay clasts wholly clay, others with glauconite and sand.
- 567-598 Sand, Glauconitic - light and dark gray; 90% glauconite; abundant clay; sparse sand; medium to granule, subangular, poorly sorted; 10% shell fragments, 20% at 588-598; small

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Total Depth: 755'

Depth  
(feet)

tooth; Forams.

- 598-619 Sand - light olive gray (5y 5/1); abundant calcium carbonate; moderate to sparse clay - in clasts; medium to granule, subangular, poorly sorted; 40% glauconite; shell fragments - finely ground; Forams.
- 619-630 Sand, Glauconite - light olive gray (5y 5/1); 50% glauconite; abundant clay; sparse quartz sand; medium to granule, subangular, poorly sorted.
- 630-640 Sand - light olive gray (5y 6/1); moderate clay; medium to coarse with some granules, subangular, well sorted; 25% glauconite; finely ground shell fragments; Forams - Robulus; sparse mica.
- 640-661 Clay - light olive gray (5y 6/1); abundant sand; medium to coarse with some granules, subangular, poorly sorted; 20% glauconite; finely ground shell fragments; Forams - Nodosaria.
- 661-672 Sand - light olive gray (5y 6/1); sparse clay; medium to coarse with some granules, subangular, well sorted; 5% glauconite; feldspar; mica.
- 672-693 Sand - yellowish gray; (5y 7/2); abundant red and yellow clay in clasts; medium to coarse with some granules, subangular, poorly sorted; 10% glauconite.
- 693-755 Sand - yellowish gray (5y 6/2); moderate clay until 725', then sparse; medium to coarse with some granules, subangular, poorly sorted; 5% glauconite until 725' then 2% and 5% at 745-755.

Logged by: J. K. Polzin  
Sept. 10/12, 1980