W-2503
C- 122

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: Rockingham Poultry Co. Mailing Address: Broadway, Virginia

TENANT: Rockingham Poultry Co. Well #4 Mailing Address: Alma, Virginia

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Rd., Richmond, Va.

WELL LOCATION: County Page Approx. 300 ~~miles~~ feet west (direction) of U. S. Hwy. 340 and 1,000 ~~miles~~ feet north (direction) of Shenandoah River

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

DATE STARTED: May 6, 1969 DATE COMPLETED: May 19, 1969

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 640 feet

WATER LEVEL: Stands 28 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method turbine pump

Drawdown 221 feet

Rate 73 1/2 gal. per min.

Duration 24 hrs., 0 min.

WATER ZONES: from 115 to 117 feet
from 180 to 190 feet
from 370 to 380 feet
from 480 to 490 feet
from 585 to 590 feet

WATER: Color clear Taste _____

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry X Other _____

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes 60 No _____

HOLE SIZE: 11 inches from 0 to 100 feet
6 1/2 inches from 100 to 640 feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 7 inches OD from +2 to 100 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

GROUTING: Method pressure

Material cement & water Depth 100 feet

PUMP: Type _____

Capacity _____ 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: _____

(LOG OF WELL) OVER

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: May 21, 1969

DEPTH (feet) FROM	DEPTH (feet) TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	1	Top soil	
1	10	Clay	
10	35	Seamy limestone	
35	55	Blue limestone	
55	115	Blue shale	
115	117	Weathered shale = water (2 gpm)	
117	180	Blue shale	
180	190	Blue and white rock (15 gpm)	
190	370	Blue shale	
370	380	Blue shale - white rock (35 gpm)	
380	480	Blue shale	
480	490	Blue and white rock (80 gpm)	
490	535	Blue shale	
535	550	Brown shale	
550	585	Blue shale	
585	590	Soft rock (water)	
590	620	Blue shale	
620	640	Hard shale	

(Use additional forms if necessary)

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

INTERVAL SHEET

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C-122
Well Repository No: W-2503

Date rec'd: 6/5/69

Sample Interval: from 0 to: 630'

PROPERTY: Rockingham Poultry Co.

Number of samples: 59

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 640'

COUNTY: Page (Alma)

Oil or Gas: Water: X Exploratory:

From - To	From - To	From - To	From - To
0 - 10	250 - 260	500 - 510	-
10 - 20	260 - 270	510 - 520	-
20 - 30	270 - 280	520 - 530	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	540 - 550	-
50 - 60	300 - 310	-	-
60 - 70	310 - 320	-	-
70 - 80	320 - 330	570 - 580	-
80 - 90	330 - 340	580 - 590	-
90 - 100	340 - 350	-	-
100 - 110	350 - 360	600 - 610	-
110 - 120	360 - 370	610 - 620	-
120 - 130	370 - 380	620 - 630	-
130 - 140	380 - 390	-	-
140 - 150	390 - 400	-	-
150 - 160	400 - 410	-	-
160 - 170	410 - 420	-	-
170 - 180	420 - 430	-	-
180 - 190	430 - 440	-	-
190 - 200	440 - 450	-	-
200 - 210	450 - 460	-	-
210 - 220	460 - 470	-	-
220 - 230	470 - 480	-	-
230 - 240	480 - 490	-	-
240 - 250	490 - 500	-	-

All intervals have both washed & unwashed samples.

OWNER: Rockingham Poultry Co., Well #4 W: 2503
DRILLER: Sydnor Hydrodynamics, Inc. C: 122
COUNTY: Page (Alma) TOTAL DEPTH: 640'

GEOLOGIC LOG

Depth in feet	
0-10	Alluvium — brown, sandy; white to brown medium-grained quartzite fragments, a few grains of magnetite, one chip of epidotized quartzite, and pieces of black chert
10-20	Shale — black and gray, very calcareous; some carbonaceous or very finely-disseminated pyritic material; cavings as above
20-30	"
30-40	" with abundant large crystalline masses of white calcite
40-50	" with a few large fragments of white to brownish-white calcite; no caving material
50-60	Shale — black, silky luster; carbonaceous or pyritic material; a few veinlets of white crystalline calcite; firm
60-70	"
70-80	"
80-90	" with abundant large masses of white to brown crystalline calcite
90-100	" with abundant fragments white crystalline calcite
100-110	" cuttings are much finer, splintery
110-120	"
120-130	Shale — black, silky luster; very calcareous; some very carbonaceous or finely pyritic material; rare veinlets of white crystalline calcite
130-140	"

140-150	Shale – black, silky luster; very calcareous; some very carbonaceous or finely pyritic material; rare veinlets of white crystalline calcite
150-160	" with fragments of black, dense, limestone
160-170	" about 5% of sample comprised of white, crystalline calcite fragments
170-180	" with rare fragments of white calcite
180-190	" about 5% of sample comprised of white, crystalline calcite fragments
190-200	" "
200-210	Limestone – black; dense; hard; shaly; about 10% of sample comprised of white, crystalline calcite; tight
210-220	Shale – black; finely pyritic or carbonaceous; very calcareous; about 50% of sample comprised of white, crystalline calcite
220-230	" less than 1% of sample is crystalline calcite
230-240	" 10% of sample is crystalline calcite
240-250	" "
250-260	" 1% of sample is crystalline calcite
260-270	Shale – black; finely pyritic or carbonaceous; very calcareous
270-280	" a few very large fragments of white crystalline calcite
280-290	Shale – black; silky luster; very calcareous; some carbonaceous or pyritic material, and a few masses white, crystalline calcite; firm
290-300	"
300-310	"
310-320	Limestone – black; dense; shaly; hard; tight

320-330	Shale – black; very calcareous; some carbonaceous or pyritic material; firm
330-340	" cuttings finer, splintery
340-350	" " with silky luster
350-360	"
360-370	Limestone – black; dense; shaly; hard; tight
370-380	Shale – black; very calcareous; some carbonaceous or pyritic material; rare hairline fractures filled with white crystalline calcite
380-390	" 5% of some composed of white, crystalline calcite
390-400	" "
400-410	" "
410-420	" "
420-430	" "
430-440	" "
440-450	Shale – black; very calcareous, some very carbonaceous or pyritic material; firm
450-460	" with a few slickensided fragments
460-470	"
470-480	"
480-490	Shale – black; very calcareous, some very carbonaceous or pyritic material; firm; with abundant fragments of white crystalline calcite
490-500	Shale-black; very calcareous, some very carbonaceous or pyritic material; firm
500-510	" cuttings finer, splintery
510-520	"

520-530	Shale – black; very calcareous, some very carbonaceous or pyritic material; firm
530-540	No sample
540-550	Shale – 85% of sample is composed of very fine, black, calcareous cuttings, 10% is white, crystalline calcite, and 5% is brown, fine grained, quartzite (cavings ?)
550-560	No sample
560-570	No sample
570-580	Shale – 80% of sample is composed of very fine, black, calcareous cuttings, 15% is white, crystalline calcite, and 5% is brown, fine grained, quartzite (cavings ?)
580-590	Shale – very fine, black calcareous cuttings; 15% of sample is composed of white crystalline calcite; trace of white-brown, fine-grained quartzite
590-600	No sample
600-610	Shale – very fine black cuttings; 5% of sample is composed of white, crystalline calcite fragments; trace of weathered, fine-grained brown quartzite (cavings ?)
610-620	" with 15% of sample composed of white crystalline calcite fragments
620-630	" with 20% of sample composed of white crystalline calcite fragments
630-640	No sample

GEOLOGIC SUMMARY

	Rock Unit	Age
0-10'	Alluvium	Recent
10-630'	Edinburg Formation	Middle Ordovician

Virginia Division of Mineral Resources
Donald H. Fulkerson, Geologist
January 23, 1970