INTERVAL SHEET WWCR: 334

| Pe 1 | of l | | | | VDMR Well | No: 2188 | |
|---------------------------------------|---|---|--------------------------|------------|--------------|---------------|----------|
| Date rec'd: | 5/2 | 21/68 | | | Sample Inter | val: from 0 | to: 320 |
| PROP: Holly Farms Poultry Industries, | | | Number of samples: 32 | | | | |
| COMP: | Syd | lnor Hydrodyna | mics, In | nc. | Total Depth: | 3251 | |
| COUNTY: | Ac | comack (Temperanc | eville) | | Oil or Gas: | Water:X Explo | oratory: |
| | From-1 | Γο | From-T | 0 | From-To | From | -To |
| | 0 - 10 - 20 - 30 - 40 - | 10 20 30 40 50 | 300 - 310 - - - | 310 320 | | | - |
| 0 | 50 - 60 - 70 - 80 - 90 - | 60 70 80 90 100 | | | | | - |
| | 100 - 110 - 120 - 130 - 140 - 150 - 160 - 170 - 180 - 180 - 100 | 110 120 130 140 150 160 170 180 190 | | | | | |
| | $\begin{array}{rrrr} 190 & - \\ 200 & - \\ 210 & - \\ 220 & - \\ 230 & - \\ 240 & - \\ 250 & - \\ 260 & - \\ 270 & - \\ 280 & - \end{array}$ | 210 220 230 240 250 260 270 280 290 | | | | | - |

All intervals have both washed and unwashed samples

| OWNER: Holly Farms Poultry Industries, | , Well #5 VDMR: 7 | 2188 |
|--|-------------------|------|
| DRILLER: Sydnor Hydrodynamics, Inc. | WWCR: | 334 |
| COUNTY: Accomack (Temperanceville) | TOTAL DEPTH: | 325' |

GEOLOGIC LOG

Depth in

feet

COLUMBIA GROUP (0-150')

0-10 Sand — tan, trace of clay; fine- to coarse-grained, moderately-sorted, subangular to subrounded; clear and yellow-stained quartz; slightly feldspathic; minor amount of chert; traces of hornblende and garnet

10-20

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- 20-30 Sand tan, clean; medium-grained, fairly well-sorted, subangular to subrounded; clear quartz with minor amount of feldspar; traces of chert, glauconite, muscovite, garnet, magnetite, epidote, and hornblende
- 30-40 Sand brownish-gray, trace of clay; medium-to very coarse-grained, fairly well-sorted (skewed fine), subangular to subrounded; feldspathic; traces of chert, glauconite, magnetite and garnet
- 40-50 medium-to coarse-grained, wellsorted
- 50-60 "
- 60-70 Sand tan, clean; medium- to very coarse-grained, fairly well-sorted, subangular to subrounded; moderately feldspathic, very slightly lithic
- 70-80 Sand gray, clean; medium-to coarse-grained, wellsorted, subangular to subrounded; moderately feldspathic; traces of garnet and glauconite
- 80-90 " medium-grained, well-sorted
- 90-100 Sand tan, clean; very coarse-grained (2 mm), very wellsorted, subrounded; moderately feldspathic; a very few rock fragments

100-110"medium-to very coarse-grained, moder-
ately-sorted (skewed coarse), subangular
to rounded

| OWNER: Holly | Farms Poultry I | ndustries, Inc., Well #5 | #2188 | | |
|--------------|---|---|---|--|--|
| 110-120 | Sand — tan, clea well-sor slightly l | in; very coarse-grained (2 n ted, subrounded; moderately ithic | nm), very feldspathic, | | |
| 120-130 | Gravel — tan, v moderate feldspar, (in order | ery slightly clayey; fine-gra ely-sorted, subrounded to ro sandstone, and abraded sho of abundance) | uined (2-20 mm), ounded; quartz, ell fragments | | |
| 130-140 | п. | fine-grained (2-10 mm) sorted | , fairly well- | | |
| 140-150 | | fine-grained (2-20 mm) sorted | , moderately- | | |
| YORKTOWN FO | ORMATION (150-2 | 260') | | | |
| 150-160 | Sand and Gravel pelecypo 50% subr about 50% subangul glauconit | gray, very slightly clayed d shell fragments and a few ounded-to-rounded granule g % fine-to medium-grained, f ar quartz sand with greenish se | ey, 3-5% corals; about gravel (2-4 mm); airly well-sorted, a cast, and 2-3% | | |
| 160-170 | 11 | 70% granule gravel, 309 | % sand | | |
| 170-180 | 11 | 60% granule gravel, 409 | % sand | | |
| 180-190 | 11 | | | | |
| 190-200 | Sand — gray with fragment sorted, a quartz, w minor an | - gray with greenish cast, clean, 5% pelecypod shell fragments; fine-to very coarse-grained, poorly- sorted, angular to rounded; clear-and yellow-stained quartz, with 5% allochthonous, decomposed glauconite; minor amounts of feldspar, muscovite, and chert | | | |
| 200-210 | 11 | | | | |
| 210-220 | 11 | with 30% small, decomp fragments | posed shell | | |
| 220-230 | 11 | with 40% small, decomp fragments | posed shell | | |
| 230-240 | Shell and Sand - pelecypo grained, slightly- | clean; 75% small (2-6 mm) d shell fragments; 25% fine- moderately-sorted, angular glauconitic quartz sand; trac | abraded to coarse- to subrounded, ce of garnet | | |

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| OWNER: Holly | y Farms Poultry Ind | ustries, Inc., Well #5 | #2188 |
|--|---|--|--|
| 240-250 | Sand, Gravel, and pelecypod granule gr grained, m well-round glauconitic garnet | Shell — gray, clean; 15 shell fragments, 15% rou avel, and 70% fine- to co noderately-sorted, angul ed sand; sand is moderat ; minor amounts of pyrit | % small inded arse- ar-to tely e and |
| 250-260 | и | | |
| CALVERT FOR | RMATION (260-320 ¹) |) | |
| 260-270 | Sand — gray, clea to medium subangular 10% glauco and muscov | an; a few shell fragments grained, fairly well-son to subrounded; 90% quar nite; traces of garnet, py vite | ; fine- ted, tz, yrite, |
| 270-280 | ** | fine-grained, well-som angular to subangular; glauconite | rted, 5% |
| 28 0 -290 | 91 | | |
| 290-300 | Sand and Shell - g small peleo fine- to me sorted, ang clear quart garnet; a fo and sandsto | ray, very slightly clayey cypod shell fragments; 80 dium-grained, fairly we gular- to well-rounded sa z, with traces of glaucor w gastropods, echinoid one fragments | 7; 20% 9% 11- and; nite and spines, |
| 300-310 | 11 | | |
| 310-320 | 11 | very fine- to medium- a very few foraminifer | grained; s |
| 320-325 | No sample | | |
| | <u>c</u> | EOLOGIC SUMMARY | |
| 0-150' 150-260' 260-320' 320-325' | ROCK UNIT Columbia Group Yorktown Formation Calvert Formation No sample | on | AGE Pleistocene Late Miocene Middle Miocene |
| | | Virginia Division of M Robert H. Teifke, Geo August 12, 1968 | ineral Resources logist |

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|---|---|--|--|--|
| COMMONWEALTH | OF VIRGINIA WWCR-334 | | | |
| DEPARTMENT OF CONSERVATION | AND ECONOMIC DEVELOPMENT | | | |
| MAILING ADDRESS: DIVISION OF MINE | ERAL RESOURCES OFFICE ADDRESS: | | | |
| Box 3667 JAMES L. CALVER | , COMMISSIONER McCormick Road | | | |
| Charlottesville, VA 22903 WATER WELL GO | MPLETION REPORT Chantonesvine, virginia | | | |
| OWNER: | Agiling Address: N. Wilkesboro, N. C. | | | |
| TENANT: Holly Farms Poultry Industries, Inc. N | Mailing Address: <u>Temperanceville</u> , Va. | | | |
| DRILLER:Sydnor Hydrodynamics, IncN | Address 1305 Brook Rd., Richmond, Va. | | | |
| WELL LOCATION County Accomack A | Approx 4300 Keed west (direction) of | | | |
| U. S. Route 13 and 1 | fast south direction) of Temperanceville | | | |
| (GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TW COUNTY HIGHWAY OR OTHER MAP.) | O REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON | | | |
| DATE STARTED: 3-29-68 D | DATE COMPLETED: 102-214-25-68 | | | |
| TYPE OF DRILL RIG USED: Rotary | TOTAL DEPTH 325 feet | | | |
| WATER LEVEL: Stands <u>34</u> feet below | surface <u>OR</u> | | | |
| has <u>NATURAL</u> flow of | gallons per minute. | | | |
| YIELD TEST: Method | HOLE SIZE: 22 inches from 0 to 87 feet | | | |
| Drawdown41 feet | inches fromto124feet | | | |
| Rate <u>421</u> gal. per min. – | <u>13</u> inches from <u>124</u> to <u>325</u> feet | | | |
| Duration <u>2</u> hrs., min. | SCREEN SIZE: 8_inches from 130_to 138_feet | | | |
| WATER ZONES: from 130 to 285 feet | 6 inches from 196 to 208 feet | | | |
| (see screens ->) fromtofeet | $\frac{6}{1000}$ inches from $\frac{226}{270}$ to $\frac{234}{285}$ feet | | | |
| fromtotofeet | CASE SIZE: 18 inches from $+8\frac{1}{2}$ to 87 feet | | | |
| WATER: ColorClearTasteOK | $\frac{14}{8}$ inches from <u>+2</u> to <u>196</u> feet | | | |
| Odor <u>None</u> Temp? | 6 spacers 196 to 298 feet | | | |
| WELL TO SUPPLY: (check one) Home | GROUTING: Method Pressure | | | |
| FarmTownSchool | Material Cement & water Depth87feet | | | |
| IndustryX_Other | PUMP: Type | | | |
| WATER ANALYSIS AVAILABLE Yes X No | Capacitygal. per min | | | |
| DRILL CUTTINGS SAVED: Yes X NO (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE | Depth of intakefeet TERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS D FREE OF CHARGE UPON REQUEST.) | | | |
| REMARKS:Holly Farm Well #5 Back | filled 325 to 298 14 | | | |
| 32 samples | | | | |
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| (yiperconn i r | MIDI LOG OF WELL) OVER | | | |

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ATMIERTV PLOGITJABWIOMMOD

FURNISHED BY ..

DATE

4-29-68

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENET | REMARKS | | | |
|---|---|---|---------------------------|---|--|--|
| FROM | то | (gravel, clay, etc., hardness, color, etc.) | | (water, caving, shot, screen, sample, etc.) | | |
| 0 3 20 26 79 94 119 144 169 207 244 265 290 | 3 20 26 79 94 119 144 169 207 244 265 290 325 | Clay Gray and yellow sand Sandgravel Coarse brown and gray sand Clay and sand mixed Coarse sand and clay mixed Clay, black and gray sand and Little clayblack and gray sand Mostly gray sand with little co Shellssome sand Clayblack sandshells Sandfew shells Shells, clay with streaks of sand | gravel nd mixed lay | TENANT <u>Polity Ferms Politry Indi</u> Sydnor Hydrodynamics, I MELL TOCATION County <u>Accomact</u> MELL TOCATION County <u>Accomact</u> Soute 13 Gave DRECTION AND LISTANCE IN PEET OR COULT HIGHWAY OR OTHER MART COULT HIGHWAY OR OTHER MART CATE STARTED <u>3-29-601</u> FREE CT ORILL RIG.USED F | | |
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| | 18 0 | STUTIE STE STORE | | VIELD TEST Method Turbine | | |
| | 712/ | 17_instanting | | 1 141 nwo.owo.0 | | |
| | 4 10 325 | 13 mont eedan 18 | | mana 121 and as a | | |
| | <u>381 or 0</u> | SCREEN STZE 8 notes 'rom 13 | | Durdtion ? | | |
| | 6 10 208 | 6 inches from 10 | 85 | WATER ZONES: NON 130. TO 1 | | |
| | 5 16 234 0 284 | 6 million 22 | 1097 | | | |
| | 10 8 10 8 12/ | CASE_SIZE18notes from +6 | i e e i | | | |
| 1091 | 0.01 | <u> </u> | NO | NATER ON Clear Toste | | |
| leal <u>AR</u> | 5 <u></u> | PI molt | | Teme Teme Teme | | |
| | | GROUTING Weihod Pressure | | MELL TO SUPPLY: (chack one) Home - | | |
| | <u>\</u> 0µ1 ↓ | Moterial Client & Water Dep | | Form Lown Scheen | | |
| | | and AMU9 | | ndustry | | |
| | 9.00 | | | VALEN ANALYSIS AVAILABLE YEE | | |
| | ничер то | DERVALS CHESE SAMPLES MAY BE DERVALS CHESE SAMPLES MAY BE DERVEST | | RUL CUTIENS SAVED SELECT DRH C CUTIENS SHOULD BE COLLECTED DRH C SARRESS SUBLECT SAMPLE HAS | | |
| | | | | EMARKE "Nolly Farmworld #5 | | |
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(Use additional forms if necessary)