

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W - 2575
C - 60

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: O. P. Woodcock Mailing Address: Florida

TENANT: _____ Mailing Address: Norfolk, Va.

DRILLER: Layne Drilling Corp. Mailing Address: Rt. 2, Box 2294
Virginia Beach, Va. 23456

WELL LOCATION: County Virginia Beach Approx. 1/2 ~~mile~~ ^{feet} miles east (direction) of
Interstate 44 - 264 Interchange and 1/4 ^{feet} miles north (direction) of Southern R.R.

(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: January 1968

TYPE OF DRILL RIG USED: falling 1500 TOTAL DEPTH 1065 feet

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

YIELD TEST: Method No pumping test
Drawdown _____ feet
Rate very little per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 6 5/8 inches from 0 to 125 feet
4 1/2 inches from 125' to 1065 feet
_____ inches from _____ to _____ feet

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

SCREEN SIZE: 2 inches from 1045 to 1065 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 2 inches from 0 to 1045 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method drill cuttings
And clay -
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____
DRILL CUTTINGS SAVED: Yes 100 No _____

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: Test unsuccessful; casing pulled and hole abandoned
collar el. 14.9' + s.l. USGS gamma log to 1027'.

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

INTERVAL SHEET

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C- 60
Well Repository No.: W- 2575

Date rec'd: 7-2-69 Date Processed:

Sample Interval: from 6 to: 1065

PROPERTY: O. P. Woodcock

Number of samples: 102

COMPANY: Layne

Total Depth: 1065'

COUNTY: Va. Beach (Norfolk)
 (Princess Anne Co.)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
6-20	360-370	710-720	-	-
20-30	370-380	720-730	-	-
30-40	380-390	730-740	-	-
40-50	390-400	740-750	-	-
50-60	400-410	750-760	-	-
60-70	410-420	760-770	-	-
70-80	420-430	770-780	-	-
80-90	430-440	780-790	-	-
90-100	-	790-800	-	-
100-110	450-460	800-810	-	-
110-120	460-470	810-820	-	-
120-130	470-480	820-830	-	-
130-140	480-490	830-840	-	-
140-150	490-500	840-850	-	-
150-160	500-510	850-860	-	-
160-170	510-520	860-870	-	-
170-180	520-530	870-880	-	-
180-190	530-540	880-890	-	-
190-200	540-550	890-900	-	-
200-210	550-560	900-910	-	-
210-220	560-570	910-920	-	-
220-230	570-580	920-930	-	-
230-240	580-590	930-940	-	-
240-250	590-600	940-950	-	-
250-260	600-610	950-960	-	-
260-270	610-620	960-970	-	-
270-280	620-630	970-980	-	-
280-290	630-640	980-990	-	-
290-300	640-650	990-1000	-	-
300-310	650-660	1000-1010	-	-
310-320	660-670	1010-1020	-	-
320-330	670-680	- - -	-	-
330-340	680-690	1045-1055	-	-
340-350	690-700	1055-1065	-	-
350-360	700-710	-	-	-

Unwashed samples only; not enough to split.

Owner: O. P. Woodcock
Driller: Al Layne
County: Virginia Beach (Princess Anne)

W# 2575
C# 60
Total Depth 1065'

Depth
(feet)

WELL LOG

0-6 No sample

6-20 Sand - yellow brown (10YR 6/4); moderate clay in clasts; slight silt; medium to very coarse; sub-angular; moderate sorting; quartz; few shell bits.

20-30 Clay - light olive gray (5Y 6/1); abundant clasts; slight silt; sparse sand; medium to very coarse; sub-angular; poor sorting; quartz; Mulina Congesta; Oliva Robesonen - SIS; shell fragments. Discoporella (bryozoan); wood fragments.

30-40 Sand - light olive gray (5Y 6/1); very sparse clasts; medium grained; sub-angular; well sorted; quartz; 10% very fine, fragmented glauconite.

40-50 Sand - light olive gray (5Y 6/1); moderate clay clasts; moderate silt; medium, sub-angular; well sorted; quartz; 10% glauconite as above; sparse shell fragments Mulina (pelecypod); wood bits.

50-60 Sand - as above.

60-70 Sand - as above, except: fine to very coarse; poor sorting - 30% mollusk fragments - including: Mulina, Chione Dalli, Chlamys, Astarte Undulata; Sinum Fragile, Littorina Irrorata, and other mollusks (Turritell - 2 species; Callistoma). 4 species of echinoderm; Discoporella (bryozoa); scaphopod.

70-80 Sand - as above, except: medium grained.

80-90 Clay - as above, except: abundant clay, few clasts; very sparse sand; medium to very coarse; Nuculana, Donax, (15% shell fragments).

90-100 Sand - light olive gray (5Y 6/1); moderate clay; sand fine to very coarse; some granules; poor sorting; phosphatic nodules; 35% shells and fragments.

100-110 Sand - light olive gray (5Y 6/1); moderate clay, few clasts; medium grained; fine to coarse, well sorted; 10% shell fragments; forams (Robulus), ostracod.

110-120 Sand - light olive gray (5Y 6/1); moderate clasts of clay; gastropods (3 species); scaphopod, ostracod (2nd genera).

Depth
(feet)

- 120-130 Sand - as above.
- 130-140 Sand - As above, except: Oliva Bobesonensis, foram (Textularia, Nonion).
- 140-150 Clay - as above, except: abundant clay & clasts, sparse sand, macro-Turritella.
- 150-160 Sand - as above; abundant clay, fine to coarse, sub-angular; poorly sorted; quartz; 1% glauconite; 3% shell fragments; echinoderm spines; foram (Eponides) ostracod.
- 160-170 Sand - as above, except 5% shells; foram (Dentalina?, Eponides) ostracod; wood bits.
- 170-180 Sand - as above, except: medium to coarse, few granules; moderately sorted.
- 180-190 Sand - as above, except 7% glauconite.
- 190-200 Clay - light olive gray (5Y 6/1); moderate clasts; sparse sand medium to coarse; sub-angular, poor sorting; quartz, few glauconite; wood bits; shell fragments.
- 200-210 Clay - as above, except: forams (Robulus, Textularia, Nonion).
- 210-220 Sand - As above, except: abundant clay clasts.
- 220-230 Sand - clay - as above, except: abundant sand; fine to medium. Wood fragments.
- 230-240 Clay - as above, except: some glauconite.
- 240-250 Clay - as above, except: phosphatic granules; some shell bits.
- 250-260 Clay - as above, except: abundant clasts; abundant sand; some coarse grains.
- 260-270 Sand - as above, except: abundant clay, clasts; fine to medium; some coarse, sub-angular; well sorted; quartz; 1% glauconite; Mulina, echinoderm spine; shell bits; foram (Nonion); mica; wood bits.
- 270-280 Sand - As above, except: forams (Quinqueloculina, Nonion - no Mulina).

Depth
(feet)

280-290 Sand - as above, except: 1% shell fragments; 1% glauconite. Foram (Nonion).

290-300 Sand - As above, except: moderate clasts (clay); some shell fragments; ostracod.

300-310 Sand - as above, except few shell bits, no ostracods seen.

310-320 Sand - as above.

320-330 Clay - as above, except: abundant sand, as above; sparse shell fragments, Nonion; sparse wood bits.

330-340 Clay - as above except: moderate sand.

340-350 Clay - as above, except: abundant sand.

350-360 Clay - as above, except: 1% wood fragments; no forams seen.

360-370 Clay - as above, except: no wood; some shell fragments.

370-380 Clay - as above, except: few wood bits; scaphopod.

380-390 Clay - as above, except: 7% shell fragments, moderate sand.

390-400 Clay - as above.

400-410 Clay - as above - 10% shell fragments; scaphopod.

410-420 Clay - as above, except: sparse sand; 7% shell fragments, few glauconite.

420-430 Clay - as above, except: 1% shell fragments.

430-440 Clay - as above, except: 3% shell fragments; scaphopod; wood.

440-450 Clay - as above; moderate clay clasts; sparse sand (as above), 3% shell fragments; foram (Guttulina, Robulus Calcar); scaphod.

450-460 Clay - as above, except: sparse shell bits.

460-470 Clay - as above, except: sparse wood bits, also.

470-480 Clay - as above, except: 1% shell bits; scaphopod.

480-490 Clay - as above.

Depth
(feet)

490-500 Clay - as above, except: 8% shell bits; (mollusks - whole shells - Turritella, Nuculana, etc.); forams (Nonion, Guttulina).

500-510 Clay - as above, except: abundant clasts, 10% shell bits. No forams found.

510-520 Clay - as above, except: 3% shell bits; wood bits.

520-530 Clay - as above, except: scaphopod; forams - Guttulina, Nonion.

530-540 Clay - as above.

540-550 Clay - as above; 5% shell bits; wood fragments.

550-560 Clay - as above, except: 3% shell fragments.

560-570 Clay - as above; except: 5% shell fragments; mollusk - Corbula Inaequalis, Gastropod.

570-580 Clay - as above, except: sparse shell bits.

580-590 Clay - as above, except: 1% shell bits.

590-600 Clay - as above, except: sparse shell bits; foram (Robulus Calcar).

600-610 Clay - as above, except: no forams; wood fragments.

610-620 Clay - as above, except: 1% shell bits.

620-630 Clay - as above, except: sparse shells.

630-640 Clay - as above, except foram - Dentalina.

640-650 Clay - as above, except: foram Robulus (Lenticulina).

650-660 Clay - As above, except: no forams.

660-670 Clay - as above, except: 3% shell fragments.

670-680 Clay - as above, except: 2% shell fragments; foram - Siphogeneria; few Robulus Lenticulina; Nonion; some glauconite.

680-690 Clay - as above, except: foram - Guttulina; wood bits.

Depth
(feet)

690-700	Clay - as above, except: just clay.
700-710	Clay - as above.
710-720	Clay - as above.
720-730	Clay - as above.
730-740	Clay - as above; few shell & wood bits.
740-750	Clay - as above; abundant clasts of clay, 1% wood bits.
750-760	Clay - as above; no wood.
760-770	Clay - as above; 1% shell bits; wood; few glauconite.
770-780	Clay - as above, except: moderate sand, fine to coarse; 1% shell bits; foram - <u>Textularia</u> ; <u>Robulus</u> (L.), <u>Siphogenerina</u> .
780-790	Clay - as above, except: moderate clay clasts; moderate sand; some shell bits; 1% glauconite; mica; foram - <u>Nonion</u> .
790-800	Clay - as above, except: <u>Abundant sand</u> medium grained; well sorted; 1% glauconite, foram (<u>Bulmina</u>), 3% shells.
800-810	Clay - as above.
810-820	Clay - as above, except: moderate sand; foram <u>Robulus</u> (L.).
820-830	Clay - as above, except: ostracod.
830-840	Clay - as above, except: sand - medium to very coarse; some granules; 10% glauconite; sparse shells.
840-850	Clay - as above, except: 7% glauconite, foram (<u>Bulimina?</u>).
850-860	Clay - as above, except: abundant sand; foram - <u>Siphogenerina</u> .
860-870	Clay - as above, except: foram - <u>Robulus</u> (L.).
870-880	Sand - as above, except: moderate clay, clasts; 15% glauconite; sparse shell bits; foram <u>Robulus</u> (L.).

Depth
(feet)

- 880-890 Sand - as above, except: sparse clay, clasts; abundant sand, medium to very coarse, sub-angular; some granules; poorly sorted; quartz; 15% glauconite; sparse shell fragments; foram - Robulus (L); mica; garnet.
- 890-900 Sand - as above, except: moderate clay; gastropod.
- 900-910 Sand - as above.
- 910-920 Sand - as above, except: 20% glauconite; no forams.
- 920-930 Clay - as above, except: abundant clasts; very sparse sand; sparse shell bits and glauconite.
- 930-940 Clay - as above, except: sparse sand. Foram (well-worn Textularia or Bolivina); foram - Nonion, 10% glauconite.
- 940-950 Clay - as above.
- 950-960 Clay - as above, except: abundant clay; moderate sand. pelecypod - Gryphaea; foram (Robulus).
- 960-970 Clay - as above; iron stains; mica.
- 970-980 Clay - as above; abundant clay; sparse sand; pelecypod - Planicardium Acutilaqueatum; bryozoa - Discoporella.
- 980-990 Clay - as above; moderate sand, no forams; very sparse shell fragments.
- 990-1000 Clay - as above; foram - Dentalina, Robulus Calcar, Robulus (L); 15% glauconite, moderately abundant sand; some granules; feldspar.
- 1000-1010 Sand - as above; very sparse clasts; 50% glauconite; sand as above; foram - Robulus (L.), Nodosaria; iron; mica; garnet.
- 1010-1020 Sand - as above; moderate clay.
- 1020-1045 No sample.
- 1045-1055 Sand - as above; sparse clasts; medium to granule; sub-angular; poor sorting; 13% glauconite; sparse shell bits, gastropod; pelecypod - Gryphaea & Ostrea; Unknown Penn./Ostrea; foram Robulus.
- 1055-1065 Sand - as above; sparse clay clasts; medium to granule; sub-angular; poor sorting; 15% glauconite; sparse shell bits; garnet chips; foram - Nodosaria; pelecypod - Gryphaea, Ostrea.

Logged by: J. K. Polzin
April, 1980