

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4058
C#: 168

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: R.R. Jeter Jr. Company Mailing Address: Rt. 4 Box 21 Mechanicsville, VA. 23111

TENANT: High Point Farms Well #2 Mailing Address: _____

DRILLER: Sydnor Hydrodynamics Inc. Mailing Address: P.O. Box 27186 Richmond VA. 23261

WELL LOCATION: County Hanover Approx. 1100 ^{feet}/_{miles} Southwest (direction) of St. Rt. 156 and 2800 ^{feet}/_{miles} Northwest (direction) of St. Rd. 615

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

DATE STARTED: 8/14/73 DATE COMPLETED: 8/31/73

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 368 feet

WATER LEVEL: Stands 179'10" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible
Drawdown 43 feet
Rate 95 gal. per min.
Duration 24 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 368 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 310 to 340 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 6 inches from 310 to 340 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 6 inches from +2 to 310 feet
6 inches from 340 to 345 feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure
Material Cement, water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes XX No _____
DRILL CUTTINGS SAVED: Yes 36 XX 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: Electric Log ran. (driller) Gravel packed 50 - 340'!

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

INTERVAL SHEET

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Well Repository No: W#: 4058

C#: 168

Date rec'd: 1/17/74 Date Processed: 11/13/74 Sample Interval: from: to:
 0 360

PROPERTY: R.R. Jeters, Jr., Co.
 (High Point Farms #2)

Number of samples: 36

COMPANY: Sydnor Hydrodynamics

Total Depth: 368'

COUNTY: Hanover
 (New Cold Harbor)

Oil or Gas: Water: Exploratory:

| From-To | From-To | From-To | From-To |
|-----------|-----------|---------|---------|
| 0 - 10 | 250 - 60 | - | - |
| 10 - 20 | 260 - 70 | - | - |
| 20 - 30 | 270 - 80 | - | - |
| 30 - 40 | 280 - 90 | - | - |
| 40 - 50 | 290 - 300 | - | - |
| 50 - 60 | 300 - 10 | - | - |
| 60 - 70 | 310 - 20 | - | - |
| 70 - 80 | 320 - 30 | - | - |
| 80 - 90 | 330 - 40 | - | - |
| 90 - 100 | 340 - 50 | - | - |
| 100 - 10 | 350 - 60 | - | - |
| 110 - 20 | - | - | - |
| 120 - 30 | - | - | - |
| 130 - 40 | - | - | - |
| 140 - 50 | - | - | - |
| 150 - 60 | - | - | - |
| 160 - 70 | - | - | - |
| 170 - 80 | - | - | - |
| 180 - 90 | - | - | - |
| 190 - 200 | - | - | - |
| 200 - 10 | - | - | - |
| 210 - 20 | - | - | - |
| 220 - 30 | - | - | - |
| 230 - 40 | - | - | - |
| 240 - 50 | - | - | - |

All intervals have both washed and unwashed samples.

OWNER: R.R. Jeters, Jr., Co.
(High Point Farms #2)
DRILLER: Sydnor Hydrodynamics
COUNTY: Hanover
(New Cold Harbor)

W#: 4058
C#: 168
TOTAL DEPTH: 368'
QUAD: Seven Pines

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Sand -- dark yellowish orange; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 10 - 20 As above except slightly clayey; some fine grains.
- 20 - 30 Granules -- grayish orange; some stained grains; slightly clayey; some very coarse grains, few pebbles; subangular to subrounded; well sorted; quartz; feldspar.
- 30 - 40 Sand and granules -- grayish orange; slightly clayey; medium to coarse grained, 40% granules; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
- 40 - 50 Sand -- dark yellowish orange; abundant clay; fine to medium grained, some coarse grains, 15% granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 50 - 60 As above plus few flakes of muscovite; few fragments of ferricrete.
- 60 - 70 Sand -- light olive gray; moderate clay; fine grained, some pebbles; subangular to subrounded; well sorted; quartz; feldspar (pebbles); few flakes of muscovite; glauconite; biotite.
- 70 - 80 As above except no pebbles.
- 80 - 90 As above except very fine to fine grained.
- 90 - 100 As above.
- 100 - 110 Clay and sand -- light olive gray; abundant clay; moderate sand; fine grained; subangular to subrounded; well sorted; quartz; few flakes of muscovite; glauconite.
- 110 - 120 Sand -- light olive gray; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 7% glauconite, few black phosphatic fragments; few shell fragments; garnet.
- 120 - 130 Sand -- olive light gray; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 40% glauconite; some shell fragments; few flakes of muscovite; few black phosphatic fragments; bone fragment.

Depth
(feet)

- 130 - 140 Sand -- olive light gray; moderate clay; medium grained, some fine grains; rounded; well sorted; 80% glauconite; quartz; 5% shell fragments; few flakes of muscovite; few black phosphatic fragments; few grains of garnet; pyrite.
- 140 - 150 Sand -- olive light gray; moderate clay; fine to medium grained, 7% granules; subangular to rounded; moderately well sorted; 50% glauconite; quartz; 3% shell fragments; some muscovite; few black phosphatic fragments.
- 150 - 160 Clay -- light olive gray; abundant sand; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 25% glauconite; 7% shell fragments; few flakes of muscovite; few black phosphatic material inc. shark's tooth.
- 160 - 170 Sand -- olive light gray; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; 60% glauconite; quartz; some muscovite; some shell fragments; forams rare (inc. Robulus).
- 170 - 180 Sand -- olive light gray; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 40% glauconite; 10% shell fragments; some muscovite; few black phosphatic fragments; forams scarce (inc. Robulus and Buccella).
- 180 - 190 As above plus some limestone fragments; few grains of pyrite; no Buccella
- 190 - 200 Sand -- olive light gray; moderate clay - olive light gray, moderate orange pink; fine to medium grained, some granules (glauconite); subangular to rounded; moderately sorted; quartz; 20% shell fragments; 15% glauconite; some muscovite; few black phosphatic fragments; forams common (inc. Robulus and Nodosaria); ostracodes.
- 200 - 210 As above except 15% shell fragments; 10% glauconite; forams rare (inc. Robulus); ostracode.
- 210 - 220 Sand -- light olive gray; coarse to very coarse grained, some medium grains, subangular to subrounded; moderately well sorted; quartz; feldspar; 3% glauconite; some shell fragments; few flakes of muscovite.
- 220 - 230 As above except some glauconite.
- 230 - 240 As above.
- 240 - 250 As above.
- 250 - 260 Granules -- light olive gray; some stained grains; moderate coarse to very coarse grained sand; subrounded; moderately well sorted; quartz; feldspar.

Depth
(feet)

- 260 - 270 Sand -- light olive gray; slightly clayey; coarse grained to granular, some medium grains, 7% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite; garnet.
- 270 - 280 As above except 10% pebbles; no garnet.
- 280 - 290 Sand -- light olive gray; coarse grained to granular, 3% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite.
- 290 - 300 Sand and gravel -- light olive gray; very coarse grained to granular, 40% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 300 - 310 Sand -- light olive gray; slightly clayey; medium to coarse grained; some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 310 - 320 Sand -- light olive gray; coarse to very coarse grained, 3% granules; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 320 - 330 As above plus some medium grains, some granules.
- 330 - 340 Sand -- light olive gray; coarse grained to granular; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 340 - 350 Sand -- light olive gray; coarse to very coarse grained, some medium grains, 5% granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite; few grains of garnet.
- 350 - 360 Sand -- light olive gray; slightly clayey; coarse grained, some medium grains, 5% granules, 7% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 360 - 368 No sample

Logged by: Michael T. Currie
Feb. 16, 1979