

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4062  
C#: 166

MAILING ADDRESS:

Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Samuel P. & R.R. Jeter, Jr. Mailing Address: Rt. 4, Box 21  
Jeter Brothers, Inc. Mechanicsville, VA 23111

TENANT: Aspen Hill Farm Well #2 Mailing Address: \_\_\_\_\_

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: Rt. 1, Box 110  
Col. Hgts. VA 23834

WELL LOCATION: County Hanover Approx. \_\_\_\_\_ <sup>feet</sup> miles on St. Rd. 643 (direction) of  
\_\_\_\_\_ and 1/2 <sup>feet</sup> miles North (direction) of U.S. Hwy. 360

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

DATE STARTED: September 1973 DATE COMPLETED: September 1973

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 330 feet

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

YIELD TEST: Method Pumped  
Drawdown 244 feet  
Rate 130 gal. per min.  
Duration 24 hrs., \_\_\_\_\_ min.  
(Continuously)

HOLE SIZE: 12 inches from 0 to 50 feet  
6 inches from 50 to 330 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 310 to 330 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 5 inches from 310 to 330 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 6 inches from 0 to 300'10" feet  
5 inches from 300 to 310 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method Pumped under pressure  
Material Cement & water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No XX  
33

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: Yes XX 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: \_\_\_\_\_

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 4062

C#: 166

Date rec'd: 1/17/74 Date Processed: 11/19/74 Sample Interval: from: to:

0 330

PROPERTY: Jeter Bros., Inc.  
 (Aspen Hill Farm #2)

Number of samples: 33

COMPANY: Mitchells W & P Co.

Total Depth: 330'

COUNTY: Hanover  
 (Mechanicsville)

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	-	-	-
90- 100	-	-	-
100- 10	-	-	-
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: Jeter Bros., Inc.  
(Aspen Hill Farm #2)  
DRILLER: Mitchell's W & P Co.  
COUNTY: Hanover  
(Mechanicsville)

W#: 4062  
C#: 166  
TOTAL DEPTH: 330'  
QUAD: Seven Pines

GEOLOGIC LOG

Depth  
(feet)

- 0 - 10 Sand -- dark yellowish orange; slightly clayey; fine to medium grained, some coarse grains, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 10 - 20 Sand -- dark yellowish orange; slightly clayey; medium to very coarse grained, 3% granules; subangular to subrounded; moderately sorted; quartz; feldspar; some opaques.
- 20 - 30 Sand -- pale yellowish orange; slightly clayey; medium grained, some coarse grains, some granules; subangular to subrounded; well sorted; quartz; feldspar; few opaques.
- 30 - 40 As above plus few pebbles.
- 40 - 50 Sand -- dark yellowish orange; slightly clayey; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 50 - 60 Sand -- grayish yellow; medium to very coarse grained, 15% granules; subangular to subrounded, moderately sorted; quartz; feldspar.
- 60 - 70 Sand -- dark yellowish orange; slightly clayey; fine grained, 7% granules, 3% pebbles; subangular to subrounded; moderately well sorted; quartz; feldspar; few flakes of muscovite.
- 70 - 80 Clay -- light olive gray; dark yellowish orange; moderate sand; fine grained, some granules, few pebbles; subangular to subrounded; moderately well sorted; quartz; feldspar; few flakes of muscovite.
- 80 - 90 As above except light olive gray; some glauconite.
- 90 - 100 As above except some pebbles; 2% glauconite.
- 100 - 110 Sand and clay -- olive light gray; moderate clay; abundant sand; fine to medium grained, 15% granules, 7% pebbles; subangular to rounded; moderately sorted; 60% glauconite; quartz; feldspar; some muscovite; few black phosphatic fragments.
- 110 - 120 Sand and clay -- olive light gray; moderate clay; abundant sand; fine to medium grained, few pebbles; subangular to rounded; moderately well sorted; 60% glauconite; quartz; some muscovite; few black phosphatic fragments; pyrite.

Depth  
(feet)

- 120 - 130 As above except 40% glauconite; 2% muscovite; some feldspar.
- 130 - 140 Clay - very light gray; moderate sand; medium grained; rounded; well sorted; glauconite, 85% of sand sized fraction; quartz; few flakes of muscovite; pyrite.
- 140 - 150 Clay - olive light gray; abundant sand; fine grained; subangular; well sorted; quartz; some muscovite; glauconite; few black phosphatic fragments.
- 150 - 160 Clay - very light gray; slightly sandy; medium grained; subangular to rounded; well sorted; glauconite, 75% of sand sized fraction; quartz; few flakes of muscovite.
- 160 - 170 As above.
- 170 - 180 Clay - olive light gray; moderate sand; fine grained; subangular to subrounded; well sorted; quartz; 3% glauconite; 2% shell fragments; some muscovite; forams (inc. Robulus); few black phosphatic fragments.
- 180 - 190 Clay - olive light gray; moderate sand; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 30% limestone fragments; glauconite, 10% of sand sized fraction; 5% shell fragments; forams (inc. Robulus and Nodosaria); few flakes of muscovite; few black phosphatic fragments; bone fragments; ostrocode.
- 190 - 200 Sand - light olive gray; moderate clay; medium grained to granular, 3% pebbles; subrounded; poorly sorted; quartz; feldspar; 7% glauconite; some shell fragments; some muscovite; few grains of garnet.
- 200 - 210 Sand - off white; very coarse grained to granular, 15% pebbles; subrounded; moderately sorted; quartz; feldspar; 3% glauconite; some shell fragments; few flakes of muscovite.
- 210 - 220 As above.
- 220 - 230 Sand - off white; coarse grained to granular, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 230 - 240 Sand - light olive gray; coarse to very coarse grained, some medium grains; 5% granules, few pebbles; subangular to subrounded; moderately well sorted; quartz; feldspar; 5% glauconite; some shell fragments; few flakes of muscovite.
- 240 - 250 Clay - light brown; abundant sand and gravel; coarse grained to granular, 50% pebbles; subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; few shell fragments.
- 250 - 260 Clay - light olive gray; moderate sand; coarse grained to granular; subrounded; moderately sorted; quartz; feldspar; 2% muscovite; few flakes of biotite.

Depth  
(feet)

- 260 - 270 Sand and granules -- off white; coarse to very coarse grained, 50% granules, 10% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 270 - 280 Granules and gravel -- multicolored; some very coarse grains, 60% granules, 40% pebbles; subangular to subrounded; moderately well sorted; quartz; feldspar.
- 280 - 290 Sand and granules -- multicolored; coarse to very coarse grained, 60% granules, 5% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 290 - 300 Sand -- multicolored; coarse grained to gravel (20%); subangular to subrounded; moderately sorted; quartz; feldspar.
- 300 - 310 As above.
- 310 - 320 Sand -- off white; coarse grained to granular, some medium grains, 5% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 320 - 330 Sand -- off white; coarse to very coarse grained, 3% granules, 7% pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.

Logged by: Michael T. Currie  
Feb. 15, 1979