

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2882

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

C#: 169  
McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

1050 Stoddard BLDG.

OWNER: American Central Corp.

Mailing Address: Lansing, Michigan 48933

TENANT: Stratford Harbors #3

Mailing Address:

Box 498

DRILLER: Douglas and Dickinson, Inc.

Mailing Address: Warsaw, VA

WELL LOCATION: County Westmoreland

Approx. 1 1/2 miles north - northeast (direction) of

Stratford P.O.

and \_\_\_\_\_ feet miles \_\_\_\_\_ (direction) of \_\_\_\_\_

(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: October 1969

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 653 feet

WATER LEVEL: Stands 120 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Air

Drawdown 80 feet

Rate 100 gal. per min.

Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

WATER ZONES: from 589 to 599 feet

from 599 to 609 feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other Subdivision \_\_\_\_\_

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

DRILL CUTTINGS SAVED: 61 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: \_\_\_\_\_

HOLE SIZE: 8 inches from 0 to 311 feet

5 7/8 inches from 311 to 599 feet

\_\_\_\_\_ inches from 599 to 653 feet

SCREEN SIZE: 3 inches from 589 to 599 feet

2 1/2 inches from 599 to 609 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 6 inches from 0 to 311 feet

3 inches from 311 to 589 feet

2 1/2 inches from 609 to 653 feet

GROUTING: Method \_\_\_\_\_

Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

PUMP: Type \_\_\_\_\_

Capacity 6000 gal. per Hr. <sup>min</sup>

Depth of intake 200 feet

(LOG OF WELL) OVER

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

INTERVAL SHEET

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Well Repository No: W#: 2882  
 C#: 169

Date rec'd: 3/24/70 Date Processed: 7/16/70 Sample Interval: from: to:  
 0 653

PROPERTY: American Central Corp.  
 (Stratford Harbor #3)

Number of samples: 61

COMPANY: Douglas and Dickinson

Total Depth: 653'

COUNTY: Westmoreland

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	262 - 273	525 - 535	-
10 - 21	273 - 283	535 - 546	-
21 - 31	283 - 294	546 - 556	-
31 - 42	294 - 304	556 - 567	-
42 - 52	304 - 315	567 - 577	-
52 - 63	315 - 325	577 - 588	-
63 - 73	325 - 336	588 - 598	-
73 - 84	336 - 346	598 - 609	-
84 - 94	346 - 357	609 - 625	-
94 - 105	357 - 367	625 - 640	-
105 - 115	367 - 378	640 - 653	-
115 - 126	378 - 388	-	-
126 - 136	388 - 399	-	-
136 - 147	399 - 409	-	-
147 - 157	409 - 420	-	-
157 - 168	420 - 430	-	-
168 - 178	430 - 441	-	-
178 - 189	441 - 451	-	-
189 - 199	451 - 462	-	-
199 - 210	462 - 472	-	-
210 - 220	472 - 483	-	-
220 - 231	483 - 493	-	-
231 - 241	493 - 504	-	-
241 - 252	504 - 514	-	-
252 - 262	514 - 525	-	-

Unwashed only.

OWNER: American Central Corp.  
(Stratford Harbor #3)  
DRILLER: Douglas and Dickinson  
COUNTY: Westmoreland

W#: 2882  
C#: 169  
TOTAL DEPTH: 653'  
QUAD: Stratford Hall

GEOLOGIC LOG

Depth  
(feet)

- 0 - 10 Sand -- dark yellowish orange; slightly clayey; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 10 - 21 Sand -- dark yellowish orange; coarse to very coarse grained, some medium grains, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar.
- 21 - 31 Sand -- grayish orange; medium to very coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; glauconite.
- 31 - 42 As above except medium to coarse grained, some very coarse grains, few granules.
- 42 - 52 Clay and sand -- light olive gray, grayish orange; abundant clay; moderate sand; medium grained to gravel; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite.
- 52 - 63 As above except clay; abundant sand.
- 63 - 73 Sand -- light olive gray; medium grained, some coarse grains, some granules; subangular to subrounded; moderately well sorted; quartz; some black phosphatic material; few grains of feldspar; glauconite; few shell fragments.
- 73 - 84 Sand -- light olive gray; moderate clay; medium to coarse grained, some fine grains, few pebbles; subangular to subrounded; moderately sorted; quartz; 2% shell fragments; some black phosphatic material; few grains of feldspar.
- 84 - 94 Clay -- olive light gray; moderate sand; fine grained, few granules; subangular to subrounded; well sorted; quartz; 15% shell fragments; some black phosphatic material; few diatoms.
- 94 - 105 As above except sand and clay; moderate clay; abundant sand; no diatoms.
- 105 - 115 Clay -- light olive gray; slightly silty; slightly sandy; very fine grained, few granules; subangular to subrounded; well sorted; quartz; 5% shell fragments; few black phosphatic fragments.
- 115 - 126 As above.
- 126 - 136 As above except few shell fragments.

Depth  
(feet)

- 136 - 147 As above.
- 147 - 157 As above except olive light gray, light olive gray.
- 157 - 168 As above.
- 168 - 178 Clay -- olive light gray, light olive gray; slightly sandy; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some shell fragments; glauconite.
- 178 - 189 Clay and sand -- light olive gray; 80% moderately stained grains; abundant clay; moderate sand; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; few shell fragments; glauconite; few black phosphatic fragments; bone fragment.
- 189 - 199 Clay and sand -- olive light gray, light olive gray; abundant clay; moderate sand; medium grained; subangular to subrounded; well sorted; quartz; some black phosphatic material; few shell fragments.
- 199 - 210 As above except sand; abundant clay; some glauconite; foram.
- 210 - 220 Sand -- olive light gray; abundant clay; medium grained; subangular to subrounded; well sorted; quartz; 3% shell fragments; some black phosphatic material; few grains of glauconite.
- 220 - 230 As above except moderate clay; 10% shell fragments; 2% black phosphatic material.
- 231 - 241 Sand -- salt and pepper; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; 10% glauconite; feldspar; few shell fragments.
- 241 - 252 As above except slightly clayey (clasts).
- 252 - 262 Sand -- olive light gray; abundant clay; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; glauconite, 5% of sand sized fraction; few shell fragments; few black phosphatic fragments.
- 262 - 273 Sand -- olive light gray; moderate clay; medium to coarse grained, some granules, few pebbles; subangular to rounded; moderately sorted; quartz; 30% glauconite; 5% shell fragments.
- 273 - 283 As above except 20% glauconite; few black phosphatic fragments; muscovite.
- 283 - 294 Sand -- olive light gray; slightly clayey; medium grained to granular, some pebbles; subangular to rounded; poorly sorted; quartz; 30% glauconite; 5% shell fragments; few black phosphatic fragments.

Depth  
(feet)

- 294 - 304 Sand -- olive light gray; moderate clay; medium to coarse grained, 5% granules, some pebbles; subangular to rounded; moderately sorted; quartz; 25% glauconite; 15% sandy limestone and shell fragments; few flakes of muscovite.
- 304 - 315 Sand -- olive light gray; medium to coarse grained, some fine grains, some granules, few pebbles; subangular to rounded; quartz; 30% glauconite; 5% sandy limestone and shell fragments; few flakes of muscovite.
- 315 - 325 Sand -- olive light gray; moderate clay; medium to coarse grained, some granules; subrounded to rounded; moderately sorted; quartz; 35% glauconite; few flakes of muscovite.
- 325 - 336 As above except 50% glauconite.
- 336 - 346 As above except abundant clay.
- 346 - 357 As above except 60% glauconite.
- 357 - 367 Sand -- olive light gray; slightly clayey; coarse grained, few granules; rounded; well sorted; 75% glauconite; quartz.
- 367 - 378 As above except moderate clay; 65% glauconite.
- 378 - 388 Clay -- olive light gray; moderate sand; medium to coarse grained; subrounded to rounded; moderately well sorted; 50% glauconite; quartz; few grains of muscovite.
- 388 - 399 Clay -- moderate orange pink, olive light gray; slightly sandy; medium to coarse grained; subangular to rounded; moderately well sorted; quartz; 40% glauconite; few flakes of muscovite.
- 399 - 409 Clay -- olive light gray; moderate sand; medium grained, some coarse grains; subangular to rounded; well sorted; quartz; 50% glauconite; few flakes of muscovite.
- 409 - 420 Sand -- olive light gray; slightly clayey; medium grained, some coarse grains; subangular to rounded; well sorted; quartz; 35% glauconite; few shell fragments; muscovite.
- 420 - 430 As above except 40% glauconite.
- 430 - 441 Sand -- olive light gray; slightly clayey - olive light gray, moderate orange pink (clasts); medium to coarse grained; subangular to rounded; moderately well sorted; quartz; 35% glauconite; few shell fragments; muscovite; forams scarce (inc. Nodosaria).

Depth  
(feet)

- 441 - 451 Clay -- olive light gray, moderate orange pink; abundant sand, medium grained; subangular to rounded; well sorted; quartz; 50% glauconite; few flakes of muscovite.
- 451 - 462 Sand -- olive light gray; slightly clayey - olive light gray, moderate orange pink (clasts); medium to coarse grained; subangular to rounded; moderately well sorted; quartz; 35% glauconite; some sandy limestone fragments; few flakes of muscovite; forams (inc. Nodosaria)
- 462 - 472 As above except moderate clay; forams (inc. Nodosaria and Dentalina).
- 472 - 483 Sand -- olive light gray; some stained grains; slightly clayey (clasts); olive light gray, moderate orange pink; medium to coarse grained; subangular to rounded; moderately well sorted; quartz; 40% glauconite (brown, black, green); some shell fragments; few flakes of muscovite; forams scarce (inc. Nodosaria and Dentalina).
- 483 - 493 As above except 50% glauconite; forams (inc. Nodosaria and Dentalina).
- 493 - 504 As above except moderate clay; few echinoid spines.
- 504 - 514 Sand -- olive gray; slightly clayey (clasts) - olive light gray; medium to coarse grained; rounded; well sorted; 65% glauconite (green); quartz; 15% shell fragments; forams (inc. Nodosaria); few echinoid spines.
- 514 - 525 Sand -- off white; coarse to very coarse grained, 3% granules; sub-rounded; moderately well sorted; quartz; feldspar; some glauconite; few shell fragments; muscovite.
- 525 - 535 Clay -- dusky yellow, light olive gray; moderate sand; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 10% glauconite; few flakes of muscovite.
- 535 - 546 As above.
- 546 - 556 Sand -- light olive brown; moderate clay; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; feldspar; 2% glauconite; few flakes of muscovite.
- 556 - 567 Clay and sand - dusky yellow; abundant clay; moderate sand; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some lignite; glauconite; few flakes of muscovite.
- 567 - 577 As above except few pieces of lignite.

Depth  
(feet)

- 577 - 588 Sand -- off white; medium to coarse grained; subangular to subrounded; well sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 588 - 598 As above plus few granules.
- 598 - 609 As above.
- 609 - 625 Sand -- yellowish gray; abundant clay -- yellowish gray, moderate reddish orange; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 625 - 640 Clay and sand -- yellowish gray, medium light gray; medium grained, some fine grains, some coarse grains; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few flakes of muscovite; biotite.
- 640 - 653 Sand -- light olive gray; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 3% glauconite; few flakes of muscovite.

NOTE: All samples are unwashed.

Logged by: Michael T. Currie  
April 13, 1979