

W-5002
C-1726

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS: DIVISION OF MINERAL RESOURCES OFFICE ADDRESS:
Box 3667 JAMES L. CALVER, COMMISSIONER McCormick Road
Charlottesville, VA 22903 WATER WELL COMPLETION REPORT Charlottesville, Virginia

OWNER: Gunston Hall Plantation Mailing Address: Lorton, Va.

TENANT: USGS # 537-51J Mailing Address: _____
Zittinger

DRILLER: CZ Enterprises, Inc. Mailing Address: Annapolis, Md.

WELL LOCATION: County Fairfax Approx. 4 ^{feet}/_{miles} southeast (direction) of

US Hwy 1 @ Gunston Hall and 900 ^{feet}/_{miles} north (direction) of Plantation House
at end of St. Rd. 242

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

DATE STARTED: 7/1/76 DATE COMPLETED: Sept. 1976

TYPE OF DRILL RIG USED: Hydraulic Rotary TOTAL DEPTH 507 feet

WATER LEVEL: Stands 156.4 feet below surface OR well depth 336'

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pump

Drawdown 48.5 feet

Rate 120 gal. per min.

Duration 48 hrs., 0 min.

HOLE SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 296 to 336 feet
.045 slot

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 296 to 336 feet

from _____ to _____ feet

from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 288 feet

4" inches from 288 to 296 feet

? Plug inches from _____ to 336 feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Plantation

GROUTING: Method _____

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes ? 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: Info from driller's logs & USGS form (attached)
Geophysical logs (4) from USGS (#53751J)
El. 120'

(25) samples delivered 1/23/78 by R. Pallard (USGS) Stamp 1/23/78

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

INTERVAL SHEET

C-726

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Well Repository No.: W- 5002

Date rec'd: 1/23/78 Date Processed: 3/1/78

Sample Interval: from 30 to: 506.5

PROPERTY: Gunston Hall Plantation

Number of samples: 23

USGS TW 53T-51J

COMPANY: C Z Enterprises

Total Depth: 507'

COUNTY: Fairfax (Gunston Hall)

Oil or Gas: Water: Exploratory:

From-To From-To From-To From-To From-To

no sample

30-37
 37-47
 47-57
 57-67

80-87
 87-105
 105-128
 128-136
 136-146

146-163
 163-173
 173-239

288-307
 307-329
 329-353
 353-373
 373-396

396-419
 419-450
 450-460
 460-480

480-490
 490-506.5

Washed and Unwashed ~~etc~~



ENTERPRISES, INC.

GENERAL CONTRACTORS

31 LEE STREET - ANNAPOLIS, MARYLAND 21401

Well Logs for Gunston Hall Plantation

<u>Feet</u>	
0-10	Large rocks and gravel
10-20	Course brown sand
20-30	Course brown sand and gravel
30-47	Course brown sand and gravel
47-57	Blueish clay
57-67	Blueish clay
67-80	blueish clay
80-87	Course brown sand
87-89	White Clay - NO Sample
89-99	Blueish clay - very hard
99-106	Blueish clay - very hard
106-116	Blueish, sandy clay
116-126	Blueish, sandy clay
126-136	Course, hard packed sand
136-146	Hard white clay
146-156	Hard white clay
156-163	Hard white clay
163-173	Blueish, very hard clay
173-239	Blueish clay, very hard cutting, going to mud
239-288	Brownish, very hard clay, slow drilling
288-298	Hard packed greenish sand and thin layers of clay
298-304	Hard packed greenish sand and thin layers of clay
304-314	Mealy greenish hard packed sand
314-324	Mealy greenish hard packed sand
324-334	M.C. Hard packed grayish sand
334-344	M.C. Hard packed grayish sand
344-353	M.C. Hard packed grayish sand
353-409	Very hard grayish clay - NO Sample
409-419	Gray M.C. Sand - hard packed and layers of weed
419-422	Gray M.C. Sand - hard packed and layers of weed
422-441	Wood and layers of sand and clay

33
2
32

484-503 sap.
503-506 HARD ROCK (Bedrock)

original sent to Fairfax County Health Department
Attn: Mr. Shelton

Gunston Hall Well 2

0-13' Terrace Gravel - very coarse
13-47' Sand - coarse grading to fine
47-62' Clay - brown and white layers very tight
62-88' Sand - fine to coarse back to fine with coarse sand
at 78-80 level
88-96' Clay - red and white - very tight
96-121' Clay with thin fine sand zones
121-130 Sand - clean and coarse sand
130-192 Sandy-clay - layers of clayey sand and sandy clay
intermixed. Sand is fine grained clay is hard with
colors of blue, tan, red, and white
192-206' Clay - hard reddish-brown
206-270' Clay and sand layers - all 1-4 feet thick. Fine
sand with reddish brown and green clay zones
270-280' Clay - becoming sandier
280-302' Sand - medium to fine well sorted
302-328' Clayey sand - becoming coarse in spots
328-400' Clayey sand - alternating clay and fine sand beds,
clay very hard, greenish in color
400-419 Clay and medium coarse sand interbedded - abundant
wood fragments
419-422 Sand - medium coarse
422-441' Sand - clay intermixed - wood fragments
441-484' Clay - red and green, hard drilling
484-503' Clay sand lenses, sand is very fine
503-506' Rock ?? unable to get a good sample but drilling
indicated solid rock