

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2813
C-401

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: Commonwealth Natural Gas #1 Mailing Address: 200 S. Third St., Richmond, VA 23219

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Rd., Richmond, VA

WELL LOCATION: County Southampton Approx. 500 ^{feet}~~miles~~ south (direction) of
(Franklin nearest town)
Route 611 and 1/4 ^{feet}~~miles~~ west (direction) of Black Water River

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

DATE STARTED: 7/10/69 DATE COMPLETED: 7/28/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 212 feet

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

YIELD TEST: Method _____
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 16-5/8 inches from 0 to 212 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 12 inches from 0 to 184 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Gravity
Material cement & water Depth 14 feet

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

PUMP: Type _____
Capacity _____ gal. per min.
Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX
DRILL CUTTINGS SAVED: (21) 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: Electric log run

LOG

8/25/69

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE:

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	5	Fine sand	
5	12	Brown and gray clay	
12	17	Blue clay	
17	40	Sand - shells	
40	62	Gray clay sand - shells	
62	90	Black sand, gray clay, shells	
90	102	Black sand	
102	110	Shells with hard streaks	
110	164	Shells and gray clay	
164	182	Gray clay	
182	212	Gray sand clay - some shells	

Owner: Commonwealth Natural Gas #1 W# 2813
Driller: Sydnor Hydrodynamics C# 401
County: Southampton (Franklin) Total Depth: 212'
Quad:
Elev:

Depth
(feet) WELL LOG

0-10 Sand - yellowish orange (10YR 8/6); coarse to granule, subangular, moderate sorting.

10-20 Clay - yellowish gray (5Y 7/2); sparse sand; medium to coarse, subangular, poor sorting.

20-50 Sand - light olive gray (5Y 6/2); sparse clay; medium to coarse, subangular, well sorted; 5% glauconite; 15% shell fragments; phosphatic fragments; echinoderm spines; wood; bone; 30-40 - 2% shell fragments; 40-50 - 15% shell fragments.

50-70 Sand - light olive gray (5Y 6/2); sparse clay; very fine to medium, subangular, well sorted; no glauconite; 15% shell fragments; 2% phosphatic fragments; garnet; 60-70 - 3% shell fragments.

70-80 Sand, Glauconitic - dark green gray (5GY 4/1); 50% glauconite; 40% sand; fine to coarse, subangular, moderate sorting; 1% shell fragments.

80-100 Sand, Glauconitic - dark green gray (5GY 4/1); 95% glauconite; very sparse sand; fine to coarse, subangular, ? moderate sorting; glauconite is dark and light type.

100-120 Sand, Glauconitic - greenish black (5GY 2/1); 90% glauconite - dark; sparse sand, medium to very coarse, subangular, poor sorting.

120-170 Clay - moderate olive gray (5Y 5/1); abundant sand; very fine to very coarse, subangular, poor sorting; 5% glauconite; 8% shell fragments; 130-140 - foram - Nodosaria; 160-170 - Turritella; shark tooth; lignite.

170-200 Clay - moderate olive gray (5Y 5/1); abundant sand; fine to granule, subangular to rounded, poorly sorted; 5% glauconite; 8% shell fragments; 190-200 - subangular only.

200-212 Sand - moderate olive gray (5Y 5/1); sparse clay; fine to granule, subangular, poor sorting; 5% glauconite; 8% shell fragments; shark tooth.

Logged by: J. K. Polzin
July 25/28, 1980