

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2814
C-402

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: Commonwealth Natural Gas #2 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. 400 feet ~~miles~~ west (direction) of

Route 662 and 2 ~~miles~~ south (direction) of Route 58

(nearest town Adams Grove)

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

DATE STARTED: 7/28/69 DATE COMPLETED: 8/11/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 249 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.

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other _____

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

HOLE SIZE: 15 1/4 inches from 0 to 229 feet

9-7/8 inches from 229 to 249 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 12 inches from 0 to 220 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Gravity

Material cement & water Depth 14 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 8/25/69

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	Top soil	
1	23	Red-brown clay	
23	32	Brown coarse sand	
32	83	Blue clay, some sand and shells	
83	112	White and gray sand	
112	132	Hard gray clay	
132	145	Gray sand with thin clay streaks	
145	198	Gray sand, coarse	
198	210	Gray sand, clay	
210	236	Hard gray shale	
236	249	Gray shale, very hard	

Owner: Commonwealth Natural Gas #2 W# 2814
Driller: Sydnor C# 402
County: Southampton Total Depth: 230'
Quad:
Elev:

Depth . WELL LOG
(feet)

0-10 Clay - dark yellowish orange (10YR 5/6); very sparse sand; very fine to medium, subangular, poor sorting.

10-20 Sand - grayish orange (10YR 6/4); sparse clay; very fine to coarse, angular to subangular, moderate sorting.

20-30 Sand - grayish orange (10YR 7/4); very sparse clay; fine to granule, angular to subangular, moderate sorting; few shell fragments; (granules are white; rest of sand is iron stained); iron oxide nodules.

30-60 Sand - pale yellowish brown (10YR 6/2); fine to granule, angular to subangular, moderate sorting; some feldspar; iron oxide nodules.

60-80 Sand - pale yellowish brown (10YR 6/2); moderate clay; fine to granule, subangular, moderate sorting; some feldspar.

80-90 Sand - pale yellowish brown (10YR 6/2); sparse clay; medium grained, subangular, very well sorted; 1% shell fragments; 1% phosphate fragments; iron oxide.

90-100 Sand - pale yellowish brown (10YR 6/2); sparse clay; medium to very coarse, subangular, moderate sorting; 1% shell fragments; bryozoa - Discoporella; 1% phosphate fragments; iron oxide fragments/nodules.

100-110 Sand - pale yellowish brown (10YR 6/2); very sparse clay; medium to granule, subangular, moderate sorting; sparse shell fragments.

110-120 Sand - pale yellowish brown (10YR 6/2); very sparse clay; very fine to granule, subangular, poor sorting; some shell fragments; garnet; iron oxide.

120-130 Sand/Clay - pale yellowish brown (10YR 6/2); abundant clay; abundant sand; fine to granule, subangular, poor sorting; some shell fragments; some feldspar; garnet; iron oxide.

130-140 No sample.

140-150 Sand - pale yellowish brown (10YR 6/2); fine to granule, subangular, poor sorting; few shell fragments; some feldspar; garnet; iron oxide fragments.

Owner: Commonwealth Natural Gas #2

W# 2814

Depth
(feet)

150-160 No sample.

160-180 Sand - light orangish gray (5Y 6/1); fine to granule, subangular, poor sorting; few feldspar.

180-190 Sand - light orangish gray (5Y 6/1); granules, some mixed smaller grains; subangular, well sorted; garnet; iron oxide fragments.

190-210 Sand - light orangish gray (5Y 6/1); very fine to granule, subangular, poorly sorted; some feldspar; 190-200 - 1% rose quartz; garnet chips.

210-230 Gravel - mixed colors; granules and some very fine to coarse grains, subangular and rounded, poor sorting; some feldspar; 1% rose quartz; 210-220 - garnet; 220-230 - magnetite.

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