INTERVAL SHEET

Page 1 of 1

Date rec'd: 2/20/67

PROP: Sydnor Hydrodynamics

(Holly Ridge #2)

COMP: Sydnor Hydrodynamics, Inc.

COUNTY: Hanover (Atlee)

WWCR: 102 VDMR Well No: 1815

Sample Interval: from 0 to 270

Number of samples: 27

Total Depth: 274

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 10 $10 - 20$ $20 - 30$ $30 - 40$ $40 - 50$	-	-	- - - -
50 - 60 60 - 70 70 - 80 80 - 90 90 - 100	-	- - - -	- - - -
100 - 110 110 - 120 120 - 130 130 - 140 140 - 145	- - - - (No sample) -		- - - -
145 - 150 150 - 160 160 - 170 170 - 180 180 - 190		- - - -	-
190- 200 200- 210 210- 220 220- 230 230- 240	-	- - - -	- - - -
240- 250 250- 260 260- 270	=	 	-

All intervals have both washed and unwashed samples.

OWNER: Sydnor Hydrodynamics, Inc. DRILLER: Sydnor Hydrodynamics, Inc.

COUNTY: Hanover (Atlee)

VDMR: 1815 WWCR: 102 TOTAL DEPTH: 274

GEOLOGIC LOG

Depth (feet)

COLUMBIA GROUP (0-601)

0-10	Sand - reddish-brown, slightly silty and moderately clayey;
	fine grained, well sorted, subangular; clay matrix
	is brightly variegated (browns, grays, reds, yellows).
10- 20	11
10- 20	
20 20	11
20- 30	<u></u>
30- 40	11
40- 50	11
50- 60	Sand and Gravel - yellowish-brown, slightly- to moderately-
	clayey; gravel (10%) is fine-grained, well sorted
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	(2-6 mm), subangular to subrounded; sand (about
	90%) is fine- to very coarse-grained, poorly
	sorted, variably rounded; moderately arkosic,
	especially the gravel fraction; quartz and feldspar
	, 8

CALVERT FORMATION (60-1701)

60- 70	Sand — gray, silty and clayey; fine-grained, fairly well-sorted, angular to subangular; a few pelecypod shell fragments.
70- 80	II.
10.79	WARE SEE SEE SEE SEE SEE SEE SEE SEE SEE S
80- 90	Sand — gray, very clayey; fine-grained, fairly well-sorted, angular to subangular; slightly micaceous; small amount pelecypod shell debris.
90-100	11
100-110	II

stained yellow.

110-120	Clay — gray,		y sandy; sand is fine- to very fine-grained, , angular; small amount pelecypod shell
120-130		11	
130-140		11	
140-145	No sample.		
145-150	Clay - gray,		y sandy; sand is fine- to very fine-grained, , angular; small amount pelecypod shell
150-160		11	
160-170	Sand - gray,	clayey; fine	e-grained, fairly well-sorted, angular ar.
NANJEMOY	FORMATION	(170-1801)	
170-180	Clay - gray	and pale-ora	ange, very sandy; a few plant fragments
AQUIA FOR	MATION (180-	2101)	
180-190	Sand — gray		ne- to medium-grained, rather poorly- ce of glauconite; small amount pelecypod s.
190-200	Sand — dark	angular; sli	y; fine- to very fine-grained, well sorted, ightly glauconitic; very slightly micaceous; ypod shell fragments.
200-210		п	
PATUXENT	FORMATION	(210-2701)	
210-220	Sand and Gra	fine-grained	very coarse-grained sand and very d gravel; well sorted, poorly rounded; arkosic and slightly lithic; a few shell
220-230		11	
230-240		u	slightly clayey.
240-250		ш	· · · · · · · · · · · · · · · · · · ·
250-260		11	tt

260-270	Gravel - gray; fine-grained, well sorted (240 mm), angular	
	(broken rounds) to fairly well-rounded; quartz,	
	with subordinate feldspar.	

270-274 No sample.

GEOLOGIC SUMMARY

	Rock Unit	Age
0- 60	Columbia Group	Pleistocene
60-170	Calvert Formation	Miocene
170-180	Nanjemoy Formation	Eocene
180-210	Aquia Formation	Eocene
210-270	Patuxent Formation	Early Cretaceous

Virginia Division of Mineral Resources Robert H. Teifke - Geologist March 8, 1967

COMMONWEALTH OF VIRGINIA

MAILING ADDRESS:

Box 3667, University Sta.

ottesville, Virginia

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:

McCormick Road

Charlottesville, Virginia

WWCR:

W-1815

VDMR: 1815

102

Sudney Hudrodynamics Inc (Iltilities)	1205 P 1 P 1 P 1
OWNER: Sydnor Hydrodynamics, Inc. (Utilities)	Mailing Address: 1305 Brook Rd., Richmond, Va.
TENANT: Well #2 Holly Ridge	Mailing Address:
DRILLER: Sydnor Hydrodynamics, Inc.	Mailing Address 1305 Brook Rd., Richmond, Va.
WELL LOCATION: County Hanover	Approx 1 feek east (direction) of
	feet south (direction) of 638
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	NO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: 1/26/67	DATE COMPLETED: 2/6/67
TYPE OF DRILL RIG USED: Rotary	TOTAL DEPTH 274 feet
WATER LEVEL: Stands 165 feet below	surface OR
has <u>NATURAL</u> flow of	gallons per minute.
YIELD TEST: Method Submersible pump	HOLE SIZE: 10 inches from 0 to 274 feet
Drawdown15 feet	tofeet
Rate 43 gal per min.	inches fromtofeet
Duration 5 hrs., 30 min.	SCREEN SIZE: 6 inches from 231 to 251 feet
WATER ZONES: from 231 to 263 feet	6_inches from 253_to 263feet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 inches from 0 to 231 feet
WATER: Color Clear Toste O.K.	6 inches from 251 to 253 feet
Odor°F	6 inches from 263 to 269 feet
WELL TO SUPPLY: (check one) Home	GROUTING: Method None
FarmTownSchool	Material Depth feet
IndustryOther_Subdivision	PUMP: Type
NATER ANALYSIS AVAILABLE Yes X No	Capacitygal per min
DRILL CUTTINGS SAVED: Yes X No	Depth of intakefeet
DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	TERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS
ARKS: YELLOW TAVERN QUAL	
ELEV.: 200'	

142 vone # 18/5 wwcr # 102 TOTAL DEPTH : 274" south (feet) GEOLOGIC LOG 0-10' Sand - reddish brown , slightly setty and moderately clayey; fine poined, well sorted, subaugular; clas matrix is bughtly everigated (browns, grays, rele, yellows). gand and Gravel - yellowish - brawn , slightly - to moderately clayey; grovel (10%) is fine ground, well socted (2-6 mm),

subaugular to subrounded; sand (about 90%) is fine to very coarse grand, poorly sorted, variably courted; moderately achore, expendly the gravel fuction; quarty and feldepor stain -

CHLYERT FORMATION (60-170') 10-70' Sand - gray, selly and clayey; full gracied, facily well-sorted, angular to subangular; a few pelicipod shell fragments.

70-80'

OWNER: Sydnor Hydrodynamus), Inc

Dewer : Sydnor Aydrodynamics, One.

county: Kanover (Atlas)

COLLIMBIA GROUP (0-60')

10-201

20-30

30-40

40-50

Sand - gray , very clayer; fine granied, fairly well-80-90' sorted, orgalar to subargular; slightly micaciones; 90-100' Olay - gray, moderately randy; said is fine to very frie - grained, well sorted, originar; small amount peleapport shell debries. 120-130 130-140 No sample "lescaption for 110-126 interval 140-145 145-150 150-160' Hand - gray, clayey; fine grand, fairly wellsocted, angular to subangular. NANNEMON FORMATION (170-180') 170-180' Clay - gray and pale-orange, very sandy; a few AQUIA FORMATION (180-210') 180-190' Houd - gray, clayey, fine to medicin-granice, rether procly-sorted; trace of glaceonite; 190-200' Stud-dade gray, clayey; fine-to very five-grained well sorted, angular; slightly glowconitie; very slightly microccous; a few peleupod shell fragmente. 200-210' 11 PATUXENT FORMATION (210-270') 210-220' Sand-Gravel - gray; very coarse grand sand and very fine gravel; well sortal, poorly rounded; moderately askosic and slightly littice; a few shell fragments.

130-240' " slightly clayey. 260-276' Sweel - gray; fine graniel, well sorted (2-10 mm) angular (broken rounds) to fairly well-rounded, guarty, with subordinate feldspor.

270-274 No Sample GEOLOGIC SOMMARY RACK WHITE 144 Philocene Columbia Group 0-601 Colvert Formation Meseuse 60-170' Focuse Hangeinay Tomalion 110-180" aguir Formation 180-210 Potupent Termalion Evely Cretaceous 210-270 VDUR Robert & Reifhe - Seelogiet March 8, 1967