COMMONWEALTH OF VIRGINIA

W-2813 C-401

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

Box 3667

DAMES L. CALVER, COMMISSIONE

McCormick Road Charlottesville, Virginia

rlottesville, VA 22903 WATER WELL COMPLETION REPORT Mailing Address: 200 S. Third St., Richmond, VA 23219 Commonwealth Natural Gas #1 OWNER: __ TENANT: _____ _____ Mailing Address:____ DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Rd., Richmond, VA 500 feet south WELL LOCATION: County Southampton (direction) of _____ Approx. __ (Franklin nearest town) and 4 miles west (direction) of Black Water River Route 611 (GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS ROADS, TOWNS, RIVERS, ETC. ON COUNTY HIGHWAY OR OTHER MAP.) _____DATE COMPLETED: Valo 7/28/69 DATE STARTED: 7/10/69 TYPE OF DRILL RIG USED: Rotary ___TOTAL DEPTH_ 212 _feet Stands dry feet below surface OR WATER LEVEL: ____gallons per minute. has NATURAL flow of___ HOLE SIZE:16-5/8 inches from 0 to 212 feet YIELD TEST: Method _____ Drawdown _____ feet _____to ____feet ____inches from ____to ____feet Rate _____gal. per min. SCREEN SIZE:_____inches from _____to ____feet Duration _____hrs., ____min. ____inches from ____to ___feet WATER ZONES: from ______to _____feet _____to___ inches from to from___ CASE SIZE: 12 inches from 0 to 184 feet from ______to____ ____inches from____to____feet WATER: Color_____Taste____ ____inches from ____to___feet GROUTING: Method ___ Gravity WELL TO SUPPLY: (check one) Home _ Material Cement & water Depth 14 feet Farm _____ Town ____ School _____ Industry____Other___ PUMP: Туре _____ WATER ANALYSIS AVAILABLE: Yes _____No XX Capacity_____gal per min (21) Yes XX No ____ Depth of intake ___ DRILL CUTTINGS SAVED: (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.) ARKS: Electric log run

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 8/25/6

TYPE OF ROCK OR SOIL PENETRATED DEPTH REMARKS (feet) (water, caving, shot, screen, sample, etc.) (gravel, clay, etc., hardness, color, etc.) FROM TO Fine sand _____ SantaA pollipM 0 - 5 5 12 Brown and gray clay DRILLER Sydner Hydrodynamics, Inc. Mailing Address 1305 17 12 Blue clay Sand - shells

Gray clay sand - shells

Black sand, gray clay, shells

(awot tested nilkard) 17 40 WELL LOCATION County Southampton 40 62 62 90 90 102 Black sand Shells with hard streaks R DWT MORE SELM RO TEET ME EDMATED ON A MOLTDERIG EVAN 102 110 110 164 Shells and gray clay 164 182 Gray clay nata 19 MOD. BTAO 182 212 Gray sand clay - some shells otary woled test nos NATURAL flow of _____gollon; per minute Marking Comenic & Water Dieter WATER ANALYSIS AVAILABLE Yes No XX TORILL CUTTINGS SHOULD BE COLLECTED AT 10 FDOT INTERVALS THESE SAMPLES MAY BE SHIPTED S ARE FURNISHED FREE OF CHARGE URDN FROUES! OFFICE EXPRESS COLLECT SAMPLE BAG Electric log run

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

INTERVAL SHEET

					0.401
_		-			C-401
F	Page 1	of 1		Well Repository No.:	W-2813
Ι	Date rec'd:	9-16-69 Date Processed:	4-30-70	Sample Interval: from	n 0 to: 212
PROPERTY:		Commonwealth Natural Gas #1		Number of samples: 21	
		THE STATE OF THE		<u> </u>	
COMPANY:		Sydnor Hydrodynamics, Inc.		Total Depth:	212'
	CTIF ANI:	sydnor nydrodynamics, inc	•	Total Depth:	212
COLINIDA		Southampton (Flore 1.7.)		Oil C Water	www. Evenlows.town.
C	COUNTY:	Southampton (Franklin)		Oil or Gas: Water:	XX Exploratory:
					221 NO
	From-To	From-To	From-To	From-To	From-To
	0-10	-	_	_	-
	10-20	-	<u> </u>	_	_
	20-30	_	7 <u>4-14</u>	_	_
	30-40	5-46 1440		_	_
	40-50		X = 0	; :	
	40-50	-	-	: = :	_
	50-60	-	-	· -	-
)	60-70	-	-		-
	70-80	-	-	-	27 -
	80-90	-	-	-	1. -
	90-100	_	-	; -	n _
	100-110	_	_	_	_
	110-120	-		_	
		_	_		
	120-130	-	-	-	_
	130-140	= -	-	-	-
	140-150	<u>~</u>		-	-
	150-160	-	-	_	-
	160-170	_	_	-	_
	170-180	_	_	_	-
	180-190	<u> </u>	<u></u> -7	_	- -
	190-200	_	2	_	_
	130-200	_			
	200-212				_
	200-212	-	-	-	_
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	.=.	M2291		_	_
	_	-	(=)	\$250 Miles	

All intervals have both washed and unwashed samples.

Quad: Elev: Depth WELL LOG (feet) Sand - yellowish orange (10YR 8/6); coarse to granule, sub-0-10 angular, 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. Sand - moderate olive gray (5Y 5/1); sparse clay; fine to 200-212 granule, subangular, poor sorting; 5% glauconite; 8% shell

Commonwealth Natural Gas #1

Sydnor Hydrodynamics

Southampton (Franklin)

fragments; shark tooth.

Owner: Driller:

County:

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

W# 2813

C# 401

Total Depth: 212'