COMMONWEALTH	OF VIRGINIA C-163
Tecorroom Revenue Law Bateroom	N AND ECONOMIC DEVELOPMENT
	IERAL RESOURCES OFFICE ADDRESS: R, COMMISSIONER McCormick Road
	OMPLETION REPORT Charlottesville, Virgini
OWNER:C & N Corporation	Moiling Address:Ashland, Virginia
TENANT: Marle Hill Subdivision	Mailing Address King William County, Virginia P. O. Box 27186
DRILLER: Sydnor Hydrodynamics, Incorporated	P. U. BOX 2/100
WELL LOCATION County King William	Approx. <u>1</u> <u>feet</u> <u>south</u> (direction) of
Route 30and 1025	feet(direction) of <u>Route 360</u>
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM T COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: November 13, 1972	
TYPE OF DRILL RIG USED: rotary	
WATER LEVEL: Stands 146'5/6"feet below	252 265 Soft sand, sholle, clay 265 325 Soft gray sand, c <u>NO</u> r estruct
has <u>NATURAL</u> flow of	feverp one yslo, base ysb) 088 228 gallons yper, minutelog 088 088
YIELD TEST: Method submersible pump	HOLE SIZE: 12 inches from
Drawdown 28 feet	9 7/8 inches from 385 to fee
Rate <u>110</u> gal. per min.	inches fromtofee
Duration <u>24</u> hrs., min.	SCREEN SIZE: 6 inches from 246 to 266 fee
WATER ZONES: from246 to266 feet	fee
from <u>358</u> to <u>378</u> feet	inches fromtofee
fromtofeet	CASE SIZE: 6 inches from +2 to 246 fee
WATER: ColorToste	6_inches_from266_to358_fee
Odor <u>none</u> Temp. <u></u> •F	from to fee
WELL TO SUPPLY: (check one) Home	GROUTING: Method pressure
Farm Town School	Material cement & water Depth 50 fee
IndustryOtherSubdivision	PUMP: Type
WATER ANALYSIS AVAILABLE:Yes <u>x</u> No	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes 40 No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT I OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	
RARKS: Electric log by driller	ED FREE OF CHARGE OPON REQUEST.)
	(LOG OF WELL) OVER

W-2759

LOGTLATIANORA

FURNISHED BY: Sydnor Hydrodynamics, Incorporated DATE: December 8, 1972

DEPTH (feet)		TYPE OF ROCK OR SOIL PENE	TRATED REMARKS
ROM	то	(gravel, clay, etc., hardness, colo pinipativ	
вžа	toriv .vt	view king William Cour	acizivibdu8 Ilik elisk
0	15	Clay, sand, yellow orange	
15	acc 20 s	White, yellow sand clay	Sydnor Hydrodynamics, Incorperated
20	30	Soft yellow sand	
30	40	Blue, white sand clay	msillin wik
40	130	Blue clay, shells	
130	195 195	Soft sand clay, with some she	Route 30 Route 30
195 196	196 197	Shell rock Blue clay	A MARK STUN AN TIME ALCORATE UNA STATISTICS
196	197	Shell rock	 ALM REPORT OF TRANSPORT TRANSPORT
198	230	Soft blue sand clay	e server Noverbar 13, 1973
230	247	Tough blue clay	
247	001 252	Hard shell rock	or of the function of the works when
252	285	Soft sand, shells, clay	
285	325	Soft gray sand, clay	1465 LEVEL STATES 1465/6 10 - 10 - 10
325	350	Gray sand, clay and gravel	
350	360	Soft sand, clay and gravel	
360	362	Hard sand, clay and gravel	autrersila puna
362	390	Rough sand, clay and gravel	a lan shan 2000 gana a shan marka
390,00	400	White sand clay	29
		ment canton	the way the 130 and the
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	:	6	1 CR 2014 CS 1000 246 10 266
		and the second	2775 References 90
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		Walling to the state of the state of	and where the second program is the second second state
		ender her state and the second s	Sleetric Log by Griller
		(Use additional form	ns if necessary)

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

INTERVAL SHEET

2							C-163		
	Page	l of	1		Well Reposito	ry No.:			
	Date rec'	d: 01/27/	73 Date Proce	ssed: 09/10/73	Sample Interv	al: from	0	to: 400	ł
	PROPERTY :		orporation Nill Subdivisio	2)	Number of sam	ples: 40			
	COMPANY:		lydrodynamics,		Total Depth:	400'			
	COUNTY:	King Wil	liam (Central	Garage)	Oil or Gas:	Water:	x Explo	ratory:	

From-To	From-To	From-To	From-To	From-To
0-10	300-10	-	-	
10-20	10-20	-	-	<u>-</u>
20-30	20-30	-	-	-
30-40	30-40	-	-	-
40-50	40-50	-	-	-
50-60	50 - 60	-	. – .	-
60-70	60-70	-	-	-
70-80	70-80	-	-	-
80-90	80-90			-
90-100	90-400	-		-
	All	intervals have	e both washed and	unwashed samples
100-10	-	-	-	
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-		-
60-70	-	-		-
70-80	_	-	-	
80-90	-	-	-	-
90-200	2 <u>1</u>	-	-	=
200-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	<u> </u>	-	-	-
80-90	_	-	-	-
90-300	-	-	-	-
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Owner:	C & N Corp. (Marle Hill Sub.)
Driller:	Sydnor
County:	King William (Central Garage)

W# 3798 C# 163 Total depth: 400' Quad:

GEOLOGIC LOG

Depth (feet)

- 0-10 Sand dark yellowish orange 10 YR 6/6); moderately clayey; medium with some very coarse grains; subangular to subrounded; well sorted; quartz.
- 10-20 Sand dark yellowish orange (10 YR 6/6); moderately clayey; medium with some coarse grains; subangular to subrounded; well sorted; quartz, some opaques.
- 20-30 Sand dark yellowish orange (10 YR 6/6); moderately clayey; medium with some coarse grains; subangular to subrounded; some opaques quartz, well sorted.
- 30-40 Sand grayish orange (10 YR 7/4); slightly clayey; medium with some coarse grains; subangular to subrounded; quartz, black shell fragments (1%) moderately well sorted.
- 40-50 Sand light gray (N7), slightly clayey; calcareous; medium with some very coarse grains; subangular to subrounded; moderately well sorted; quartz; shell fragments (30%); spines.
- 50-60 Sand light gray (N7); calcareous; mostly subrounded, medium with some coarse grains; moderately sorted; quartz; shell fragments (40%); spines; silty.
- 60-70 Sand light gray (N7); subrounded grains (some subangular); medium to coarse grains; well sorted; quartz; 45% shell fragments; some opaque; silty.
- 70-80 Silt light olive gray 5 Y 6/1); coarse, subangular to subrounded; quartz grains; few shell fragments (3%).
- 80-90 Silt as above except 5% shell fragments,
- 90-100 Silt as 70-80 above except shell fragments (4%).
- 100-110 Silt as above.
- 110-120 Silt as above.
- 120-130 Silt as above.

Owner:

Depth (feet)

- 130-140 Silt, sandy light olive gray (N7); some shell fragments; subangular to subrounded grains; well sorted; fine to coarse grains; opaques (phosphate?); quartz; some glauconite present.
- 140-150 Sand light olive gray (N7); silty; fine to very coarse grains; subangular to rounded grains; well sorted; quartz, glauconitic (green & black); phosphatic; silty; spines present 10% shell fragments.

C & N Corp. (Marle Hill Sub.)

- 150-160 Sand light olive gray (N7); slightly silty; fine to very coarse; well sorted; subrounded to rounded grains; quartz; glauconitic and phosphatic; 15% shell fragments; spines.
- 160-170 Sand light olive gray (N7); fine to very coarse; well sorted; subrounded to rounded; quartz; glauconite; phosphates; muscovite; some limestone fragments; 25% shell fragments.
- 170-180 Sand and limestone light olive gray (N7); abundant sand; medium to coarse moderately sorted; subangular to rounded; sandy limestone present; quartz; high glauconite content; some phosphate fragments; pyrite; 7% shell fragments; muscovite.
- 180-190 Sand and limestone as above.
- 190-200 Sand and limestone as above.

200-210 Sand and limestone - as above.

- 210-220 Sand, glauconitic olive gray (5Y 3/2); moderately silty; subangular to rounded (mostly subrounded); coarse to fine grains with some very coarse grains; well sorted; quartz; glauconite (50%); minor pyrite; phosphates; mica; 5% shell fragments; some limestone fragments present.
- 220-230 Sand, glauconitic as above except no pyrite or limestone.

230-240 Sand, glauconitic - same as 220-230 above.

240-250 Sand, glauconitic - same as 220-230 above.

250-260 Sand, glauconitic - same as 210-220.

260-270 Sand, glauconitic - same as 210-220.

270-280 Sand, glauconitic - same as 210-220.

Owner:

- Depth (feet)
- 280-290 Sand, glauconitic same as 210-220.

C & N Corp. (Marle Hill Sub.)

- 290-300 Sand, glauconitic same as 210-220.
- 300-310 Sand, glauconitic same as 210-220.
- 310-320 Sand, glauconitic same as 210-220.
- 320-330 Sand grayish yellow (5Y 8/4); moderately silty; subangular to subrounded (a few angular and rounded grains); very coarse to medium (some pebbles); moderately well-sorted; quartz; glauconite, phosphates; some shell fragments (< 1%); minor mica.
- 330-340 Sand same as 320-330.
- 340-350 Sand same as 320-330 except color of sand is yellowish gray; less glauconite.
- 350-360 Sand yellowish gray (5Y 7/2); very coarse to medium with some pebbles; well sorted; moderately clay-ey; subangular to subrounded; quartz; minor muscovite; selonite, glauconite; minor feldspar.
- 360-370 Sand same as above.
- 370-380 Sand same as 350-360 with lavender mineral (garnet?) and minor pyrite.
- 380-390 Sand same as 350-360 with garnet (?).
- 390-400 Sand same as 350-360 with garnet (?).

Logged by: Michael A. Wise September, 1979