INTERVAL SHEET

Page 1		VDMR 7	VDMR WELL NO. 0230			
		Sample	Interval: from 307	_to_579		
PROP: BA	CONS CASTLE (1942) TEST HOLE #1		Total Depth: 1,060			
	YNE-ATLANTIC	Oil	Oil Gas Water x Exploratory			
COUNTY:	SURRY					
			x Core Othe			
		SEE VD	MR BULL. #63, pp.			
From-To	From-To	F,rom-To	From-To	From-To		
307 _	_		1			
355 _						
374 _		-	-			
394 <u> </u>						
415		- -	-			
417 _		_				
421 _			-			
	43			_		
5'	79		-			
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PROP: BACONS CASTLE (1942) TEST HOLE # 1 COUNTY: SURRY COMP: LAYNE-ATLANTIC VDMR WELL NO.: 0230 FROM: TO:		VDMR WELL NO. 0230 Sample Interval 307-579 Total Depth 1,060 Oil Gas Water Exploratory Cuttings Core Other See V DMR Bulletin #63 Pp. 204-213 and 216-217		
From-To	From-To	From-To	From-To	From-To
307-	_	•	-	-
355-		-	-	-
374	-	-	-	i i i i i i i i i i i i i i i i i i i
394-	-		a (=1	-
415-	-	-	-	
417-	-	-	_	- (
21-	-	-	-	-
442-443	-			
557-579	a.	-	-	•
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-	-	-	-	5-12-2
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-	_		924	-
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-			_	- -

OWNER: City of Newport News

Bacons Castle Test #1

DRILLER: Layne-Atlantic

COUNTY: Surry

W#: 230 C#: 54

TOTAL DEPTH: 1060'

GEOLOGIC LOG

Depth (feet)

0-307 NO SAMPLE.

MATTIPONI FORMATION (3071+)

Sand - dark green; washed; medium to coarse grained; rounded; moderately well sorted; 95% glauconite (green mostly); quartz; few limestone and shell fragments; few forams (inc. Siphogenerina and Nonion).

308-351 NO SAMPLE.

PATUXENT FORMATION (351' + 579' +)

Sand and clay - gray, some buff clay; washed; fine with some medium to coarse grained; subangular to subrounded; moderately sorted; quartz; 15% glauconite; 7% shell and limestone fragments; some feldspar; some phosphatic material; spines; forams (inc. Nonion, Discorbis, Buccella and Quinqueloculina).

352-355 NO SAMPLE.

Sand - light gray; medium grained with a few granules; subangular to subrounded; well sorted; quartz; feldspar; 5% glauconite; muscovites; some limestone and shell fragments; few forams.

356-374 NO SAMPLE.

Sand - gray; abundant clay; medium to coarse grained with some granules; subangular to subrounded; moderately sorted; quartz; feldspar; 7% glauconite; 7% shell and limestone fragments; muscovite; few forams.

375-394 NO SAMPLE.

Sand and clay - gray salt and pepper; fine to coarse grained; subangular to rounded; poorly sorted; quartz; feldspar; 22% glauconite; shell and limestone fragments; spines.

395-415 NO SAMPLE.

Sand - off white; washed; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; gr

Depth

(feet)

- 415 Sand - off white; washed; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; trace glauconite; garnet; few shell fragments.
- 416-417 NO SAMPLE.
- 417 Sand - off white; slightly clayey; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; garnet; few quartz and siltstone pebbles; few glauconite grains.
- 418-421 NO SAMPLE.
 - 421 Sand - brownish grain; moderately clayey; coarse grained; few shell fragments; few glauconite grains.
- 422-442 NO SAMPLE.
- 442-443 Sand - yellowish white; abundant clay; fine to very coarse with a few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few shell fragments.
- 444-557 NO SAMPLE.
- 557-579 Sand and clay - white to yellowish white; abundant clay; medium to very coarse with a few granules and pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few glauconite grains.
- 580-1060 NO SAMPLE.

GEOLOGIC SUMMARY

Thickness (feet)	Rock Unit	Time Rock Unit
307 1+	NO SAMPLE Mattiponi Formation	Eocene-Cretaceous
43.	NO SAMPLE	
228+	Patuxent Formation	Cretaceous

Virginia Division of Mineral Resources David A. Hubbard, Jr., Geologist June 21, 1978