INTERVAL SHEET

Page 1 of 1	VDMR Well No: 1509
Date rec'd: 2/28/66	Sample Interval: from 0 to 116
PROP: Confederate Investors, Inc.	Number of samples: 12
(N. C. Clements) COMP: Mitchell's Well and Pump Co.	Total Depth: 116
COUNTY: Prince George (Petersburg)	Oil or Gas: Water: XExploratory:

0

From-To		То	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	—	-	—
90		100			
100	_	110			
110	_	116	_	-	_
110		110	_	-	-
	_				_
	_			_	-
	-		-	-	-
	-		-	-	-
	-		-	-	
	-		-	-	-
	-		-	-	
	_		-	-	-
	-				-
	-		-	-	-
	-		-	-	-
			-	-	-
	_		_	-	_
	-		-	_	-
	-		-	-	_
	_		-		-
A11 ·			have both washed a	nd unwached samp	05

OWNER: Confederate Investors, Inc. (N. C. Clements)VDMR #1509DRILLER: Mitchell's Well and Pump CompanyWWCR #161COUNTY: Prince George (Petersburg)TOTAL DEPTH: 116'

GEOLOGIC LOG

Patuxent Formation (0-116')

- 0-10 Sand brown, slightly to moderately argillaceous and silty; medium- to coarse-grained, fairly well sorted, subangular to subrounded; small amount white potassic feldspar; traces of muscovite; hornblende, carbonaceous material; minor spares and plant fragments.
- 10-20 coarser grained and more poorly sorted.
- 20-30 Sand gray, slightly argillaceous, a few granules and very small pebbles; fine- to very-coarse grained moderately sorted (skewed coarse), angular to subrounded; arkosic (fresh, gray to white potassic feldspar); accessory garnet and muscovite; traces of pyrite and hornblende, glauconite and brown epidote.
- 30-40
- 40-50 "
- 50-60 Sand yellowish-brown, slightly silty and argillaceous, 5-10% fine gravel (up to 7 mm); fine- to very-coarse-grained, moderately sorted (skewed coarse), angular to subrounded; arkosic; minor pyrite; traces of chert and brown epidote.
- 60-70 Sand white, moderately silty and slightly argillaceous, about 5% fine gravel (2-6 mm); fine- to very-coarse-grained, moderately sorted, angular to subrounded; very arkosic (white potassic feldspar); trace of brown epidote.
- 70-80 Sand brown, trace of pink clay, a few very small pebbles; medium- to very-coarse-grained, fairly well sorted, subangular to subrounded; moderately arkosic; trace of brown epidote.
- 80-90 gray (no pink clay).

11

11

11

90-100

100-110 Sand — buff, moderately argillaceous, a few small pebbles; medium- to very-coarse-grained, moderately sorted, subangular to subrounded; arkosic.

110-116

OWNER: Confederate Investors, Inc. (N. C. Clements)

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Patuxent Formation

Lower Cretaceous

Virginia Division of Mineral Resources Robert H. Teifke, Geologist April 6, 1966