INTERVAL SHEET

WWCR 222

Page	1		VDN	MR We	ll No.	:_Well	l No	. 13	62	
Date	9/14/65		San	mple	Interv	/al: fr	om_	0	to	130
PROP:	Motel Stony Creek		To	tal d	lepth	132				
COMP:	Sydnor Pump & Well Co.		Oi	l	Gas	_Water	X	Expl	orato	су
COUNTY:	Sussex (Stony Creek)		Cu	tting	s X	_Core_		_0th	er	
VDMR	Well No: W-1362									
From-To	From-To	F	rom-	-To		Fro	m-To)		From-To
_			0 -	10			_			-
-	-	1	0 -	20			-			-
	-	2	0 -	30			-			-
-	-	3	0 -	40			-			-
-	-	4	0 -	50			-			-
-	_	5	0_	60			_			_
-	_	6	0 -	70			-,			_
-	-	6	5 -	70			-:			-
-	-	7	0 -	80						-
_	-	8	0 -	90			-			-
		0	0	100						
-	-			100			-			-
	_			110			_			_
_				120			_			_
-	_			130		•	_			_
		13	0	132	No sa	mple				
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OWNER: Motel Stony Creek

DRILLER: Sydnor Pump & Well Co., Inc.

COUNTY: Sussex (Stony Creek)

VDMR #1362 WWCR #222 TOTAL DEPTH: 132'

GEOLOGIC LOG

Upland Sand and Gravel (0-20')

- 0-10 Sand orange-brown, slightly argillaceous and silty; very-fine- to very-coarse-grained, poorly sorted, subangular; quartz, with traces of magnetite, muscovite, brown epidote.
- Sand buff, slightly argillaceous and silty, slightly pebbly (subangular to subrounded quartz gravel, 2-8 mm); fine- to very-coarse-grained, poorly sorted, angular to subangular; quartz.

Patuxent Formation (20-130')

- 20-30 Sand yellowish-brown, slightly argillaceous, scattered pebbles of quartz up to 10 mm; medium- to very-coarse-grained, poorly sorted, subangular; 90-95% clear quartz, 5-10% dull white, weathered microcline.
- 30-40 Sand buff, slightly to moderately argillaceous, scattered, subrounded pebbles of quartz (10 mm.); medium— to coarse—grained, moderately sorted, subangular; clear quartz, some weathered white microcline, and a small amount of muscovite.
- Sand brownish-orange, slightly argillaceous, scattered subrounded pebbles of quartz (10 mm.); coarse- to very-coarse-grained, moderately sorted, angular to subangular; 85% clear quartz, 15% white weathered microcline; small amount coarse muscovite and traces of epidote, tourmaline (?).
- 50-60 Sand and Gravel buff, very slightly argillaceous; gravel (about 30% of sediment) consists of subrounded to rounded quartz, minor white microcline, with average diameter of 4-6 mm, and numerous rounds and broken rounds of quartz with average diameter of 20 mm.; sand (about 75% of sediment) coarseto very-coarse-grained, moderately sorted, subangular to subrounded; clear quartz with about 10% white microcline.
- 60-70 As above.
- Sand buff; coarse- to very-coarse-grained (mode at 1.0 mm), well-sorted, subangular to subrounded; clear quartz with 5-10% white microcline.
- 70-80 Sand brown, slightly argillaceous, small amount small rounded gravel (2-8 mm); coarse- to very-coarse-grained, moderately sorted, subangular to subrounded; clear quartz with about 5% white microcline; small amount brown epidote.

OWNER:	Mote1	Stony	Cree	k
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#1362

80-90	Sand - brownish-gray, moderately argillaceous (brown and
	dark-gray clays), moderately pebbly (about 15% of sediment
	consists of small 2-8 mm, subrounded gravel, mostly quartz
	but some white microcline); sand coarse- to very-coarse-
	grained, moderately sorted, subangular to subrounded; clear
	quartz with about 10% subrounded to rounded white microcline.

90-100 Sand and Gravel — brownish-gray, very slightly argillaceous gravel (about 30% of sediment) consists of well-sorted, subrounded to rounded quartz and white microcline, with average diameter of 5 mm.; sand (about 70% of sediment) coarse- to very-coarse-grained, subangular to slightly subrounded, moderately sorted; small amount of subround, chalky white feldspar; traces of brown epidote, muscovite, and pyrite.

Sand and Gravel — gray; slightly argillaceous; gravel (about 25% of sediment) consists of subrounded to rounded quartz and feldspar 2-18 mm. in diameter; sand (about 75% of sediment) coarse- to very-coarse-grained, subangular to subrounded, moderately sorted; arkosic (white and gray microcline); abundant subangular pink garnet; small amounts brown epidote, pyrite, muscovite; trace of tourmaline.

110-120 As above.

120-130 As above.

130-132 No sample.

GEOLOGIC SUMMARY

	ROCK UNIT	TIME ROCK UNIT
0-20	Upland Sands and Gravels	Pliocene - Pleistocene
20-130	Patuxent Formation	Lower Cretaceous
130-132	No sample	

Virginia Division of Mineral Resources Robert H. Teifke, Geologist September 20, 1965 OWNER: Motel Stony Creek

DRILLER: Sydnor Pump & Well Co., Inc.

COUNTY: Sussex (Stony Creek)

VDMR #1362 WWCR #222 TOTAL DEPTH: 132'

GEOLOGIC LOG

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Upland Sand and Gravel (0-20+)

- 0-10 Sand orange-brown, slightly argillaceous and silty; very-fine- to very-coarse-grained, poorly sorted, subangular; quartz, with traces of magnetite, muscovite, brown epidote.
- Sand buff, slightly argillaceous and silty, slightly pebbly (subangular to subrounded quartz gravel, 2-3 mm); fine- to very-coarse-grained, poorly sorted, angular to subangular; quartz.

Patuxent Formation (20-130')

- Sand yellowish-brown, slightly argillaceous, scattered pebbles of quartz up to 10 mm; medium- to very-coarse-grained, poorly sorted, subangular; 90-95% clear quartz, 5-10% dull white, weathered microcline.
- 30-40 Sand buff, slightly to moderately argillaceous, scattered, subrounded pebbles of quartz (10 mm.); medium- to coarsegrained, moderately sorted, subangular; clear quartz, some weathered white microcline, and a small amount of muscovite.
- 40-50 Sand brownish-orange, slightly argillaceous, scattered subrounded pebbles of quartz (10 mm.); coarse- to very-coarse-grained, moderately sorted, angular to subangular; 35% clear quartz, 15% white weathered microcline; small amount coarse muscovite and traces of epidote, tourmaline (?).
- Sand and Gravel buff, very slightly argillaceous; gravel
 (about 30% of sediment) consists of subrounded to rounded
 quartz, minor white microcline, with average diameter of 4-6
 mm, and numerous rounds and broken rounds of quartz with
 average diameter of 20 mm.; sand (about 75% of sediment) coarseto very-coarse-grained, moderately sorted, subangular to subrounded; clear quartz with about 10% white microcline.
- 60-70 As above.
- 65-70 Sand buff; coarse- to very-coarse-grained (mode at 1.0 mm), well-sorted, subangular to subrounded; clear quartz with 5-10% white microcline.
- 70-80 Sand brown, slightly argillaceous, small amount small rounded gravel (2-8 mm); coarse- to very-coarse-grained, moderately sorted, subangular to subrounded; clear quartz with about 5% white microcline; small amount brown epidote.

OWNER: Motel Stony Creek

80-90 Sand - brownish-gray, moderately argillaceous (brown and dark-gray clays), moderately pebbly (about 15% of sediment consists of small 2-8 mm, subrounded gravel, mostly quartz but some white microcline); sand coarse- to very-coarsegrained, moderately sorted, subangular to subrounded; clear quartz with about 10% subrounded to rounded white microcline.

90-100 Sand and Gravel - brownish-gray, very slightly argillaceous gravel (about 30% of sediment) consists of well-sorted, subrounded to rounded quartz and white microcline, with average diameter of 5 mm.; sand (about 70% of sediment) coarse- to very-coarse-grained, subangular to slightly subrounded, moderately sorted; small amount of subround, chalky white feldspar; traces of brown epidote, muscovite, and pyrite.

100-110 Sand and Gravel - gray; slightly argillaceous; gravel (about 25% of sediment) consists of subrounded to rounded quartz and feldspar 2-18 mm. in diameter; sand (about 75% of sediment) coarse- to very-coarse-grained, subangular to subrounded, moderately sorted; arkosic (white and gray microcline); abundant subangular pink garnet; small amounts brown epidote, pyrite, muscovite; trace of tourmaline.

110-120 As above.

120-130 As above.

130-132 No sample.

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

0-20 Upland Sands and Gravels Columbia Group Pliocene Pleistocene 23 20-130/32 Patuxent Formation 130-132 No sample

Lower Cretaceous Early

R. H. Teifke 3/1/12

Virginia Division of Mineral Resources Robert H. Teifke, Geologist September 20, 1965