WWCR 87

INTERVAL SHEET

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Date rec'd: 3/24/66

PROP: Speed & Briscoe #3

COMP: Sydnor Pump & Well Co.

COUNTY: Hanover (Ashland)

VDMR Well No: 1534

Sample Interval: from 0 to 350

Number of samples: 32

Total Depth: 350

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 25	330 - 340	-	-
25 - 40	340 - 350	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 104	-	-	-
104 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-
300 - 310	-	-	-
310 - 320	-	-	-
320 - 330	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Speed & Briscoe, Well #3 VDMR #1534
DRILLER: Sydnor Pump and Well Co., Inc. WWCR #87
COUNTY: Hanover (Ashland) TOTAL DEPTH: 350'

GEOLOGIC LOG

Calvert Formation (0-104')

0-25	Sand — reddish-brown, argillaceous, a few granules and very small pebbles; fine- to coarse-grained, poorly sorted, angular to subangular; moderately feldspathic; approximately 5% consists of lumps of gray sandy clay; some ferricrete and rock fragments.
25-40	scattered, rounded pebbles up to 25 mm.
40-50	Sand — gray, moderately argillaceous, a few small subrounded pebbles up to 15 mm; fine-grained, well-sorted, angular to subangular; admixture of 5-10% coarser material consisting of quartz, chalky pelecypod shell fragments, and black, carbono-phosphatic shell fragments; traces of garnet, brown epidote, muscovite, and magnetite; a few echinoid spines and gastropod shells.
50-60	"
60-70	"
70-80	"
80-90	"
90-104	a very few foraminifera.

Quartz-Biotite Gneiss (104-350')

104-110	Granite — white and black, very-coarse-grained; potash feldspar, quartz, biotite, oligoclase, apatite, muscovite and chlorite.
110-120	"
120-130	"
130-140	"
140-150	No sample.

OWNER: Speed & Briscoe, Well #3 #1534

150-160	Quartz Monzonitic Gneiss — very-light-gray and black, minor pink; coarse-grained; potash feldspar, oligoclase, quartz, biotite hornblende, chlorite, minor apatite and epidote.
160-170	"
170-180	"
180-190	"
190-200	trace smoky vein quartz.
200-210	banding - showing deformation.
210-220	no vein quartz, banding not observable.
220-230	Gneiss — very-light-gray and black, minor pink, coarse-grained, slightly banded; feldspar, biotite, quartz, chlorite; minor hornblende, trace sphene and pyrite.
230-240	"
240-250	"
250-260	Gneiss — very-light-gray and black; grain size 1 to 10 mm; feldspar, biotite, quartz, chlorite, hornblende; trace sphene and pyrite.
260-270	"
270-280	minor vein quartz and feldspar.
280-290	"
290-300	"
300-310	"
310-320	Gneiss — very-light-gray and black, minor pink and green; coarse-grained, slightly banded; feldspar, quartz, biotite, chlorite; the pink and green portion has been sheared.
320-330	"
330-340	less pink.
340-350	"

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GEOLOGIC SUMMARY

	ROCK UNIT	AGE
0-104	Calvert Formation	Miocene
104-350	Quartz-Biotite Gneiss (Petersburg Granite ?)	Uncertain

Virginia Division of Mineral Resources
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