

INTERVAL SHEET

WWCR - 79

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VDMR Well No: W-1849

Date rec'd: 4/10/67

Sample Interval: from 0 to 225'

PROP: Keller Extrusions Northern, Inc.

Number of samples: 23

COMP: Mitchell's Well & Pump Company

Total Depth: 225

COUNTY: Caroline (Bowling Green)

Oil or Gas: Water: ~~X~~Exploratory:

From-To	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 *	-	-	-
100 - 110 *	-	-	-
110 - 120 *	-	-	-
120 - 130 *	-	-	-
130 - 140 *	-	-	-
140 - 150 *	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 225	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

* unwashed samples only

OWNER: Keller Extrusions Northern, Inc.
DRILLER: Mitchell's Well & Pump Co.
COUNTY: Caroline (Bowling Green)

VDMR: 1849
WWCR: 79
TOTAL DEPTH: 225'

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-10)

0- 10 Sand — orange, clayey; fine- to coarse-grained, rather poorly sorted; slightly feldspathic; very slightly glauconitic and micaceous.

CALVERT FORMATION (10-30)

10- 20 Sand — gray, very slightly clayey, a few granules, very small pebbles, and broken rounds; very fine-grained, well sorted, angular; 15% coarse-grained, slightly feldspathic sand; some ferricrete fragments; slightly micaceous, very slightly glauconitic; trace of shell fragments.

20- 30 "

PAMUNKEY GROUP (30-70)

30- 40 Sand — black, slightly clayey; very fine-grained, very well sorted; 80% angular quartz, 20% glauconite; slightly micaceous; trace of shell fragments.

40- 50 "

50- 60 "

60- 70 "

POTOMAC GROUP (70-225)

70- 80 Clay — grayish-green; slightly glauconitic and micaceous; traces of shell and carbonaceous matter.

80- 90 Clay — dull-red; very slightly glauconitic and micaceous; about 5% shell fragments.

- 90-100 Clay — brick-red, with pale greenish-gray mottled; slightly glauconitic, trace of pyrite, especially in greenish-gray zones; trace of quartz sand.
- 100-110 Clay — mottled greenish-gray, brick-red, brown and yellow; slightly silty and sandy.
- 110-120 Clay — greenish-gray, locally pinkish; slightly sandy; some coarse quartz grains.
- 120-130 Sand — pale brown, very clayey; medium- to very coarse-grained, moderately sorted, subrounded; slightly feldspathic.
- 130-140 Sand — abundant matrix of light-gray clay; coarse, moderately sorted; slightly feldspathic.
- 140-150 " "
- 150-160 " "
- 160-170 " "
- 170-180 Sand — gray, with greenish cast, very clayey; fine- to coarse-grained, rather poorly sorted, variably rounded; slightly feldspathic and glauconitic.
- 180-190 Sand — gray, clayey; coarse grained, moderately sorted, subrounded; slightly feldspathic; trace of fine-grained glauconite.
- 190-200 " " very clayey; slightly glauconitic.
- 200-210 Sand — gray, clean; medium- to coarse-grained, fairly well sorted, subangular to subrounded; moderately feldspathic, slightly glauconitic; traces of garnet and brown epidote; a few shell fragments.
- 210-220 Sand — tan, clean; coarse- to very coarse-grained, fairly well sorted, subrounded, feldspathic; trace of glauconite.
- 220-225 Sand — tan, clean; medium- to very coarse-grained, fairly well sorted (skewed fine), subangular to subrounded; moderately feldspathic, trace of glauconite.

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10	Columbia Group	Pleistocene
10-30	Calvert Formation	Miocene
30-70	Pamunkey Group	Eocene
70-225	Potomac Group	Early Cretaceous

Virginia Division of Mineral Resources
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April 26, 1967