

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page | of | Well Repository No: 6028
 Date rec'd: Date Processed: June 20th 21 1979 Sample Interval: from: 10 to: 370
 PROPERTY: Number of samples: 36
 COMPANY: Total Depth: 370'
 COUNTY: James City Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
-10	-270	-	-
-20	-280	-	-
-30	-290	-	-
-40	-300	-	-
-50	-310	-	-
-60	-320	-	-
-70	-330	-	-
-80	-340	-	-
-90	-350	-	-
-100	-360	-	-
-110	-370	-	-
-120	-	-	-
-130	-	-	-
-140	-	-	-
-160	-	-	-
-170	-	-	-
-180	-	-	-
-181.5	-	-	-
-200	-	-	-
-210	-	-	-
-220	-	-	-
-230	-	-	-
-240	-	-	-
-250	-	-	-
-260	-	-	-

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 6226

Date rec'd: _____ Date Processed: _____

Sample Interval: from 10 to:

PROPERTY: VA-507-10

Number of samples: 31

COMPANY: _____

Total Depth: 3

COUNTY: JAMES CITY

Oil or Gas: _____ Water: Exploratory

From-To	From-To	From-To	From-To	From-To
-	300 -	-	-	-
10 -	310 -	-	-	-
20 -	320 -	-	-	-
30 -	330 -	-	-	-
40 -	340 -	-	-	-
50 -	350 -	-	-	-
60 -	360 -	-	-	-
70 -	370 -	-	-	-
80 -	-	-	-	-
90 -	-	-	-	-
100 -	-	-	-	-
110 -	-	-	-	-
120 -	-	-	-	-
130 -	-	-	-	-
140 -	-	-	-	-
-	-	-	-	-
160 -	-	-	-	-
170 -	-	-	-	-
180 -	-	-	-	-
-	-	-	-	-
200 -	-	-	-	-
210 -	-	-	-	-
220 -	-	-	-	-
230 -	-	-	-	-
240 -	-	-	-	-
-	-	-	-	-
250 -	-	-	-	-
260 -	-	-	-	-
270 -	-	-	-	-
280 -	-	-	-	-
290 -	-	-	-	-

County: James City

VDMR Well # 6028

Well: VA-JC-T-10
Property Owner: Conoco, Col-P
Driller:
Location: 37° 13' N. 76° 45" W.

Altitude Top of Hole: 10'
Total Depth: 370
Started Drilling:
Completed Drilling:
Sample Description by: Becky Darnton

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
	37		Post-Miocene
	100		Late Miocene
	39		Middle Miocene
	9		Claiborne
	97		Midway
	>83		K-Unit F

Depth
(feet)

GEOLOGIC LOG

W-6028

- 10' Clay & Sand - pale brown 10YR-6/3; fine to very coarse grained; very poor sorting; subangular; abundant ferricrete; micas; few glauconite grains; some heavy minerals; qtz. pebbles.
- 20' Same as above.
- 30' Pebbles-qtz - some sand & clay; pale brown 10YR-6/3; coarse grained; angular to subangular; ferricrete.
- 40' Sand - light brownish gray 10YR-6/2 & strong brown 7.5YR-5/8; same to moderate clay; fine to medium grained; poor sorting; subangular; abundant ferricrete; 1% heavy minerals; some glauconite; abundant spines; few muscovite flakes; few shell fragments.
- 50' Same as above; 3% heavies; some - 1% shell fragments.
- 60' Sand - grayish brown 10YR-5/2; moderate amount clay; medium to coarse grained; poor sorting; subangular 1% heavy minerals; few glauconite & ferricrete grains; some spines & shell fragments.
- 70' Same as above; fine to coarse grained; muscovite.
- 80' Clay - grayish brown 10YR-5/2 & pale yellow 5Y-8/4; some sand; poor sorting; medium to coarse grained; subrounded to subangular; some glauconite; some heavy minerals; few ferricrete grains; abundant sulfur; few shell fragments.
- 90' Same as above; 3% shell fragments; spines 3% heavies; some ferricrete.
- 100' Clay - light brownish gray; pale yellow & yellowish brown 10YR-5/8; moderate amount sand; medium to coarse grained; poorly sorted; subangular some ferricrete; few glauconite grains; 3% heavies 7% shell fragments; abundant sulfur.
- 110' Same as above.
- 120' Same as above; medium to very coarse grained.
- 130' Same as above; 5% shell fragments.
- 140' Clay - grayish brown 10YR-5/2; some pale yellow 5Y-8/4; moderate to abundant silt & sand; medium to coarse grained; poor sorting; angular to subangular; some ferricrete; 5% heavy minerals 3% shell fragments; some sulfur.
- 160 Clay - grayish brown 10YR-5/2; abundant silt & sand; medium to very coarse grained; poor sorting; angular to subangular; pebbles; few muscovite flakes?; some ferricrete; sharks tooth; 3% shell fragments; 5% heavies; sulfur smell.

Depth
(feet)

- 170' Same as above; no sharks tooth; 7% shell fragments.
- 180' Sand - grayish brown 10YR-5/2; moderate amount silt & clay; medium to coarse grained; poor sorting; subangular; few glauconite grains; some ferricrete; 3% heavies; 6% shell fragments.
- 181.5' Sand - gray 10YR-6/1; abundant clay; medium to coarse grained; poor sorting; subangular; few heavy minerals; 12-15% glauconite; 5% shell fragments.
- 200' Same as above; some shell; 7% ferricrete.
- 210' Same as above; 20% glauconite; some ferricrete.
- 220' Same as above; few spines; few mica flakes.
- 230' Same as above; 12-15% glauconite.
- 240' Sand - same as above - 10% glauconite dark gray 10YR-4/1
Clay - globs pinkish gray 7.5YR-6/2; some silt & sand; medium to coarse grained; poor sorting; subangular to subrounded; 1% glauconite.
- 250' Sand - same as sand above - no ferricrete; no spines -; 20-25% glauconite.
- 260' Sand - some as above.
- 270' Sand & clay - greenish gray 5GY-6/1; medium to coarse grained; poor sorting; subrounded; 2% shell fragments; 35% glauconite.
- 280' Same as above - several large qtz. pebbles.
- 290' Same as above; abundant qtz. pebbles; some ferricrete; 15% glauconite.
- 300' Sand & Clay - gray - 10YR-5/1; medium to very coares grained; poor sorting; qtz pebbles; 5-7% glauconite.
- 310' Same as above; some shell fragments.
- 320' Sand - gray 10YR-5/1; abundant clay & silt; medium to very coarse grained; poor sorting; qtz pebbles; some ferricrete; few muscovite flakes; 5% glauconite.
- 330' Same as above; no muscovite; few shell fragments.
- 340 Same as above.
- 350' Sand - gray 10YR-6/1; moderate amount clay; medium to very coarse grained; poor sorting; angular to subangular; few ferricrete; some shell fragments; 5% glauconite.

Depth
(feet)

360' Same as above; few muscovite flakes.

370' Same as above; few heavy minerals.

County: James City

VDMR Well# - 6028

Well: VA-JC-T-10

Property Owner: Conoco, Col-P

Driller:

Location: $37^{\circ}13' N.$
 $76^{\circ}45' 30'' W.$

Altitude Top of Hole: 10'

Total Depth: 370

Started Drilling:

Completed Drilling:

Sample Description by: Becky Darnton

GEOLOGIC SUMMARY

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	100		Late Miocene
	39		Middle Miocene
	9		Chайborne
	97		Midway
	>83		K-unit F

Depth
(feet)

VA-JC-T-10 GEOLOGIC LOG

- 10' Clay & Sand; pale brown 10YR-6/3; fine to very coarse grained; very poor sorting; subangular; ^{abundant} ferricrete; micas; few glauconite grains; some heavy minerals; ^{qtz} pebbles
- 20' Same as above
- 30' Pebbles - ^{qtz}; some sand & clay; pale brown 10YR-6/3; coarse grained; angular to subangular; ferricrete
- 40' Sand - light brownish gray 10YR-6/2 & strong brown 7.5YR-5/P; some to moderate clay; fine to medium grained; poor sorting; subangular; abundant ferricrete; 1% heavy minerals; some glauconite; ^{abundant} spines; few muscovite flakes; few shell fragments
- 50' Same as above; 3% heavies; some - 1% shell fragments
- 60' Sand - grayish brown 10YR-5/2; moderate amount clay; medium to coarse grained; poor sorting; subangular; 1% heavy minerals; few glauconite & ferricrete grains; some spines & shell fragments
- 70' Same as above; fine to coarse grained; muscovite
- 80' Clay; grayish brown 10YR-5/2 & pale yellow 5Y-8/4; some sand; poor sorting; medium to coarse grained; subrounded to subangular; some glauconite; some heavy minerals; few ferricrete grains; abundant sulfur; few shell fragments

Depth in feet

VA-5C-T-10

- 90' Same as above; 3% shell fragments; spines 3% heavies; some ferricrete
- 100 Clay - light brownish gray; pale yellow & yellowish brown 10YR-5/P; moderate amount sand; medium to coarse grained; poorly sorted; subangular some ferricrete; few glauconite grains; 3% heavies 7% shell fragments; abundant sulfur
- 110 Same as above
- 120 Same as above; medium to very coarse grained
- 130 Same as above; 5% shell fragments
- 140 Clay - grayish brown 10YR-5/2; some pale yellow 5Y-8/4; moderate to abundant silt & sand; medium to coarse grained; poor sorting; angular to subangular; some ferricrete; 5% heavy minerals 3% shell fragments; some sulfur
- 160 Clay - grayish brown 10YR-5/2; abundant silt & sand; medium to very coarse grained; poor sorting; angular to subangular; pebbles; few muscovite flakes?; some ferricrete; sharks tooth; 3% shell fragments; 5% heavies; sulfur smell
- 170 Same as above; no sharks tooth; 7% shell fragments
- 180 Sand - grayish brown 10YR-5/2; moderate amount silt & clay; medium to coarse grained; poor sorting; subangular; few glauconite grains; ferricrete; 3% heavies; 56% shell fragments

Depth in feet

VA-JC-T-10

181.5

Sand - gray 10YR - 6/1 ; abundant clay ; medium to coarse grained ; poor sorting ; sub-angular ; few heavy minerals ; 12-15% glauconite ; 5% shell fragments

200.

Same as above ; some shell ; 7% ferricrete

210

Same as above ; 20% glauconite ; some ferricrete

220

Same as above ; few spines ; few mica flakes

230

Same as above ; 12-15% glauconite

240

Sand - same as above - ^{10% glauconite} dark gray 10YR - 4/1
Clay - ^{globes} pinkish gray 7.5YR - 6/2 ; some silt & sand ; medium to coarse grained ; poor sorting ; subangular to subrounded ; 1% glauconite

250

Sand - same as sand above - no ferricrete, no spines ; 20-25% glauconite

260

Sand - same as above

270

Sand & clay - greenish gray 5GY - 6/1 ; medium to coarse grained ; poor sorting ; subrounded ; 2% shell fragments ; 35% glauconite

280

Same as above - ^{several} large gtz pebbles

290

Same as above ; abundant gtz pebbles ; some ferricrete ; 15% glauconite

Depth in feet

VA-JC-T-10

300 Sand & Clay, gray-10YR-5/1; medium to very coarse grained; poor sorting; gtz pebbles; 5-7% glauconite

310 Same as above; some shell fragments

320 Sand - gray 10YR-5/1; abundant clay & silt; medium to very coarse grained; poor sorting; gtz pebbles; some ferricrete; few muscovite flakes; 5% glauconite

330 Same as above; no muscovite; few shell fragments

340 Same as above

350 Sand - gray 10YR-6/1; moderate amount clay; medium to very coarse grained; poor sorting; ^{angular to} subangular; few ferricrete; some shell fragments; 5% glauconite

360 Same as above; few muscovite flakes;

370 Same as above; few heavy minerals