

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

INTERVAL SHEET

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Well Repository No: 6030

Date rec'd:

Date Processed: June 647, 1979

Sample Interval: from: 22 to: 475

PROPERTY: Naval Mine Depot

Number of samples: U-35 W-37

COMPANY:

Total Depth: 475'

COUNTY: York

Oil or Gas: Water: Exploratory

From-To	From-To	From-To	From-To
22 - 40	360 - 370	0 - 3	360 - 370
50 - 60	370 - 380	22 - 40	370 - 380
70 - 80	380 - 390	20 - 40	380 - 390
80 - 90	390 - 400	70 - 80	390 - 400
90 - 100	409 - 415	70 - 80	400 - 410
110 - 120	415 - 420	70 - 80	410 - 420
130 - 140	430 - 435	110 - 120	420 - 430
140 - 150	455 - 460	110 - 120	430 - 440
150 - 160	460 - 468	150 - 160	440 - 450
160 - 170	470 - 475	160 - 170	450 - 460
190 - 200	120 - 130 - washed	190 - 200	460 - 470
200 - 210	0 - 3 washed	200 - 210	470 - 475
210 - 220	-	210 - 220	-
220 - 230	-	220 - 230	-
230 - 240	-	230 - 240	-
240 - 250	-	240 - 250	-
250 - 260	-	250 - 260	-
260 - 270	-	260 - 270	-
270 - 279	-	270 - 279	-
270 - 280	-	270 - 280	-
280 - 290	-	280 - 290	-
290 - 300	-	290 - 300	-
320 - 330	-	320 - 330	-
330 - 340	-	330 - 340	-
340 - 350	-	340 - 350	-

County: York

VDMR Well # 6030

Well: VA-YK-P-8
Property Owner: Naval Mine Depot
Driller:
Location:

Altitude Top of Hole:
Total Depth: 475'
Started Drilling:
Completed Drilling:
Sample Description by: Kelvin Ramsey

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
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Interval

GEOLOGIC LOG

W-6030

- 0-3 washed
only Sand - light yellowish brown 10YR-6/4; fine grained; sub-
rounded; moderately sorted (medium-silt); some heavies
(muscovite) some glauconite; ferricrete - some feldspar?
- 22-40 Sand - olive gray 5Y-5/2; fine grained; subangular; moderately
sorted (medium-clay); some clay; some heavies; 15% shell
fragments (Chesapecten, Dentalium, spines, Balanus); 5%
glauconite.
- 50-60 Same as above.
- 70-80 Sand - olive gray 5Y-5/2; fine grained; subangular; moderately
sorted (medium-clay); little clay; some heavies; 15% shell
frag. (spines, shark tooth; fish teeth) some glauconite.
- 80-90 Same as above, some clay.
- 90-100 Clay - gray 5Y-6/1; moderate sand; fine grained; subangular;
moderately sorted (medium-clay); some glauconite; shell 25%
of sand fraction.
- 110-120 Clay - olive gray 5Y-5/2; moderate-some sand; fine-v. fine
grained; subangular; some heavies; shell 50%; sand fraction.
- 120-130 washed
only Sand - light brownish gray 2.5Y-6/2; fine grained; subangular;
well sorted (fine-silt); 1% heavies (muscovite); 50% shell
frag.; some glauconite.
- 130-140 Clay - olive gray 5Y-5/2; some sand v. fine grained + silt;
well sorted (v. fine-clay) some heavies, abundant gypsum;
abundant shell frag.; few pyrite; sulfur smell.
- 140-150 Sand - olive gray 5Y-5/2; v. fine grained; well sorted (v.
fine-clay); moderate clay; 5% heavies; some gypsum; some
pyrite; abundant silt.
- 150-160 Clay - olive gray 5Y-5/2; some sand; v. fine grained; well
sorted (v. fine-clay) sand fraction 15% shell - Turritella;
few forams Elphidium florentinae, some pyrite, some gypsum,
some heavies.
- 160-170 Clay - olive gray 5Y-5/2; some sand; v. fine grained; well
sorted (v. fine-clay); sand fraction 15% shell; some heavies,
some gypsum, some pyrite.
- 190-200 Same as 160-170; 5% sulfur - yellow; some oxidized pyrite
(red stained granules).
- 200-210 Same as 160-170 - sulfur - yellow - off white; moderate
shell fragments.
- 210-220 Same as 200-210; bone fragment

Interval

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- 220-230 Clay - light grayish brown 2.5Y-6/2; little sand; fine grained; moderately well sorted (fine-clay); few shell frag; some gypsum; few pieces oxidized pyrite, some heavies.
- 230-240 Same as 220-230; few forams.
- 240-250 Same as 220-230; abundant forams Cibicides, Uvigerina; gastropod Turitellu frag.
- 250-260 Same as 220-230 - no shell, no forams.
- 260-270 Same as 220-230; some forams Marginulina, Cyphogenerina, Nonion.
- 270-290 Sand - olive gray 5Y-5/2; coarse-medium grained; subangular; v. poorly sorted (coarse-clay); little clay; some glauconite; abundant heavies; abundant forams: Nonion, Marginulina, Cyphogenerina, Uvigerina.
- 270-280 Sand - olive gray 5Y-5/2; coarse grained; subangular; v. poorly sorted (coarse-clay); little clay; some glauconite; 5% shell; 2% ls fragments; fish bone frag. some forams Cyphogenerina, Marginella, spines.
- 280-290 Same as 270-280; 2% glauconite.
- 290-300 Same as 270-280-- 5% glauconite; some forams, Nonion, Boliviana, Discorbis; few pieces oxidized pyrite.
- 320-330 Clay - olive gray 5Y-5/2; abundant sand; coarse grained; subangular; v. poorly sorted (coarse-clay); 30% silt; 65% qtz; 1% glauconite; some heavies; abundant forams Cibicides, Textularia, Cyphogenerina.
- 330-340 Clay - olive gray 5Y-5/2; abundant sand; medium-fine grained; subangular; v. poorly sorted (coarse-clay); few shell; 40% qtz 55% silt; 2% glauconite; arthropod claw; some forams Cibicides, Textularia, Cyphogenerina.
- 340-350 Same as 330-340 moderate forams.
- 360-370 Clay; olive gray 5Y-5/2; abundant sand; coarse grained; subangular-subrounded; v. poorly sorted (v. coarse-clay); 40% glauconite; some forams; abundant red stained particles.
- 370-380 Clay - gray 5Y-6/1; moderate sand; fine grained; subangular; v. poorly sorted (coarse-clay); 40% glauconite; abundant silt; few forams; few gypsum, few pyrite grains.
- 380-390 Same as 370-380; some v. coarse grains; few shell frag.
- 390-400 Same as 370-380; few coquina frags.

Interval

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- 409-415 Sand - gray 5Y-6/1; very coarse grained; subrounded; extremely poorly sorted (pebble-clay); some clay; little glauconite; few pebbles; few rose-red grains; some pyrite; few heavies.
- 415-420 Clay - light yellowish brown 10YR-6/4; moderate sand; v. coarse grained subrounded; v. poorly sorted (v. coarse-clay); 10% glauconite; some silt; few coquina frags; 10% red stained grains.
- 430-435 Clay - light yellowish brown 10YR-6/4; little sand; fine grained moderately sorted (fine-clay); 20% sand-glauconite 1/2 stained red.
- 455-460 Sand - light gray 10YR-7/1; coarse-medium grained; subrounded-subangular; poorly sorted; 75% qtz 25% feldspar some glauconite; few heavies (muscl.)
- 460-468 Same as 455-460 - v. coarse grained 1/2" pebbles.
- 470-475 Same as 455-460 - few shell frag.; clay balls.

County: York

VDMR Well # 6030

Well: VA-YK-P-8

Property Owner: Naval Mine Depot

Driller:

Location:

Altitude Top of Hole:

Total Depth: 475'

Started Drilling:

Completed Drilling:

Sample Description by: Kelvin Ramsey

GEOLOGIC SUMMARY

Depth

Thickness

Formation

Age

logged by
Kelvin Ramsey

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~~VA-VK-P-8~~

Interval	Description	GEOLOGIC LOG
0-3	Washed only Sand; light yellowish brown 10YR 6/4; fine grained; subrounded; moderately sorted (medium-silt); some heavies (muscovite) some glauconite; Ferricrete - some feldspar?	
22'-40'	Sand; olive gray 5Y 5/2; fine grained; subangular; moderately sorted (medium-clay); some clay; some heavies; 15% shell fragments (<u>Chesapecten</u> , <u>Dentalium</u> , spines, <u>Balanus</u>); 5% glauconite	
50'-60'	same as above	
70'-80'	Sand; olive gray 5Y 5/2; fine grained, subangular; moderately sorted (medium-clay); little clay; some heavies; 15% shell frag. (spines, shark tooth, fish teeth) Some glauconite	
80'-90'	same as above, some clay	
90'-100'	Clay; ^{olive} gray 5Y 6/1; moderate sand; fine grained, subangular; moderately sorted (medium-clay); some glauconite; shell 25% of sand fraction	
110'-120'	Clay; olive gray 5Y 5/2; moderate-some sand; fine-v. fine grained; subangular; some heavies; shell 50% sand fraction	
120'-130'	Washed only Sand; light brownish gray 2.5Y 6/2; fine grained; subangular; well sorted (fine-silt); 1% heavies (muscovite); 50% shell frag.; some glauconite	
130'-140'	Clay; olive gray 5Y 5/2; ^{some sand} v. fine grained-silt; well sorted (v. fine-clay) some heavies; abundant gypsum; abundant shell frag.; ^{few} pyrite; sulfur smell	
140'-150'	Sand; olive gray 5Y 5/2; v. fine grained; well sorted (v. fine-clay); moderate clay; 5% heavies; some gypsum; some pyrite; abundant silt	
150'-160'	Clay; ^{olive} gray 5Y 5/2; some sand; v. fine grained; well sorted (v. fine-clay) sand fraction 15% shell - <u>Turritella</u> ; few forams <u>Elphidium florentine</u> ; some pyrite some gypsum some heavies	

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- 160'-170' Clay; olive gray 5Y 5/2; some sand; v. fine grained, well sorted (v. fine-clay); sand fraction 15% shell; some heavies, some gypsum, some pyrite
- 170'-200' same as 160'-170'; 5% sulfur-yellow; ^{some} oxidized pyrite (red stained granules)
- 200'-210' same as 160'-170' - sulfur-yellow-off white; moderate shell fragments
- 210'-220' same as 200'-210'; bone fragment
- 220'-230' Clay; light grayish brown 2.5Y 6/2; little sand; fine grained; ^{moderately} well sorted (fine-clay); few shell frag; some gypsum; few pieces oxidized pyrite, ^{some} heavies
- 230'-240' same as 220'-230'; few forams
- 240'-250' same as 220'-230'; abundant forams Cibicides, Uvigerina; ^{gastropod} Turritella frag.
- 250'-260' same as 220'-230' - no shell, no forams
- 260'-270' same as 220'-230'; some forams Marginulina, Cyphogenerina, Nonion
- 270'-279' Sand; olive gray 5Y 5/2; coarse-medium grained; subangular; v. poorly sorted (coarse-clay); little clay; some glauconite; abundant heavies; abundant forams: Nonion, Marginulina, Cyphogenerina, Uvigerina
- 270'-280' Sand; olive gray 5Y 5/2; coarse grained; subangular; v. poorly sorted (coarse-clay); little clay; some glauconite; 5% shell; 2% ls fragments; fish bone frag. some forams Cyphogenerina, Marginella, spines
- 280'-290' same as 270'-280'; 2% glauconite
- 290'-300' same as 270'-280' - 5% glauconite; some forams, Nonion, Boliviana, Discorbis; ^{few} pieces oxidized pyrite

- 320'-330' Clay; olive gray 5Y 5/2; abundant sand; coarse grained; subangular; v. poorly sorted (coarse-clay); 30% silt; 65% qtz; 1% glauconite; some heavies; abundant Forams Cibicides, Textularia, Cyphogenerina
- 330-340 Clay; olive gray 5Y 5/2; abundant sand; medium-fine grained; subangular; v. poorly sorted (coarse-clay); few shell; 40% qtz 55% silt; 2% glauconite; arthropod claw; some forams Cibicides, Textularia, Cyphogenerina
- 340-350 same as 330-340 moderate Forams
- 360'-370' Clay; olive gray 5Y 5/2; abundant sand; coarse grained; subangular-subrounded; v. poorly sorted (coarse-clay); 40% glauconite; some forams; abundant red stained particles
- 370'-380' Clay; gray 5Y 6/1; moderate sand; fine grained; subangular; v. poorly sorted (coarse-clay); 40% glauconite; abundant silt; few forams; few gypsum, few pyrite grains
- 380'-390' same as 370'-380'; some v. coarse grains; few shell frag
- 390'-400' same as 370'-380'; few coquina frags.
- 409'-415' Sand; gray 5Y 6/1; very coarse grained; subrounded; extremely poorly sorted (pebble-clay); some clay; little glauconite; few pebbles; few rose-red grains; some pyrite; few heavies
- 415-420 Clay; light yellowish brown 10YR 6/4; moderate sand; v. coarse grained subrounded; v. poorly sorted (v. coarse-clay); 10% glauconite; some silt; few coquina frags; 10% red stained grains
- 430'-435' Clay; light yellowish brown 10YR 6/4; little sand; fine grained moderately sorted (fine-clay); 20% sand-glauconite 1/2 stained red.

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455-460 Sand; light gray 10 YR 7/1; coarse-medium grained; subrounded-subangular; poorly sorted; 75% qtz 25% feldspar
some glauconite, few heavies (musc)

460'-468' same as 455-460 - v. coarse grained 1/2" pebbles

470'-475' same as 455'-460' - few shell frag; clay balls