

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 6537

Date rec'd: 9/22/82 Date Processed: 9/24/82

Sample Interval: from 0 to: 1200

PROPERTY:

Number of samples: 126

COMPANY: State Water Control Board

Total Depth: 1850

COUNTY: Gloucester

Oil or Gas: Water: Exploratory: X

From-To	From-To	From-To	From-To	From-To
0-10	250-260	510-520	840-850	1150-1160
10-20	Bit Sample 255'	520-530	850-860	1160-1170
20-30	260-270	530-540	860-870	1170-1180
30-40	270-280	540-550	870-880	1180-1190
40-50	280-290	550-560	880-890	1190-1200
50-60	290-300	560-570	890-900	Bit Sample 1200'
60-70	300-310	570-580	900-910	-
70-80	Bit Sample 315'	580-590	910-920	-
80-90	310-320	590-600	920-930	-
90-100	320-330	Bit Sample 600'	930-940	-
100-110	330-340	610-620	940-950	-
Bit Sample 115'	340-350	620-630	950-960	-
110-120	350-360	630-640	Bit Sample 960'	-
120-130	360-370	640-650	975-980	-
130-140	370-380	650-660	980-990	-
Bit Sample 140'				
140-150	380-390	660-670	990-1000	-
150-160	390-400	670-680	1000-1010	-
160-170	Bit Sample 400'	680-690	1010-1020	-
170-180	415-420	690-700	1020-1030	-
180-190	-	Bit Sample 700'	1030-1040	-
190-200	420-430	720-730	1040-1050	-
Stab Sample 200'	430-440	730-740	1050-1060	-
200-210	440-450	740-750	1060-1070	-
Stab Sample 215'	450-460	750-760	1070-1080	-
210-220	460-470	760-770	1080-1090	-
220-230	470-480	770-780	1090-1100	-
230-240	480-490	780-790	Bit Sample 1100'	-
Bit Sample 235'	490-500	790-800	1120-1130	-
Bit Sample 240'	500' Bit Sample	Bit Sample 820'	1130-1140	-
-	500-510	835-840	1140-1150	-

Duplicate set washed and unwashed

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Exploratory: Exploratory

PROPERTY:

COMPANY:

STATE WATER CONTROL BOARD

COUNTY:

GLoucester

From-To	From-To	From-To	From-To	From-To
0 - 10	250 - 260	510 - 520	840 - 850	1150 - 1160
10 - 20	BIT SAMPLE 255'	520 - 530	850 - 860	1160 - 1170
20 - 30	260 - 270	530 - 540	860 - 870	1170 - 1180
30 - 40	270 - 280	540 - 550	870 - 880	1180 - 1190
40 - 50	280 - 290	550 - 560	880 - 890	1190 - 1200
50 - 60	290 - 300	560 - 570	890 - 900	BIT SAMPLE 1200'
60 - 70	300 - 310	570 - 580	900 - 910	-
70 - 80	BIT SAMPLE 315'	580 - 590	910 - 920	-
80 - 90	310 - 320	590 - 600	920 - 930	-
90 - 100	320 - 330	BIT SAMPLE 600'	930 - 940	-
100 - 110	330 - 340	610 - 620	940 - 950	-
BIT SAMPLE 115'	340 - 350	620 - 630	950 - 960	-
110 - 120	350 - 360	630 - 640	BIT SAMPLE 960'	-
120 - 130	360 - 370	640 - 650	975 - 980	-
130 - 140	370 - 380	650 - 660	980 - 990	-
BIT SAMPLE 140'	380 - 390	660 - 670	990 - 1000	-
140 - 150	380 - 390	670 - 680	1000 - 1010	-
150 - 160	390 - 400	680 - 690	1010 - 1020	-
160 - 170	BIT SAMPLE 400'	690 - 700	1020 - 1030	-
170 - 180	415 - 420	BIT SAMPLE 700'	1030 - 1040	-
180 - 190	420 - 430	710 - 720	1040 - 1050	-
190 - 200	430 - 440	720 - 730	1050 - 1060	-
STAB SAMPLE 200'	440 - 450	730 - 740	1060 - 1070	-
200 - 210	450 - 460	740 - 750	1070 - 1080	-
STAB SAMPLE 215'	460 - 470	750 - 760	1080 - 1090	-
210 - 220	470 - 480	760 - 770	1090 - 1100	-
220 - 230	480 - 490	770 - 780	BIT SAMPLE 1100'	-
230 - 240	490 - 500	780 - 790	1120 - 1130	-
BIT SAMPLE 235'	500 BIT SAMPLE	790 - 800	1130 - 1140	-
BIT SAMPLE 240'	500 - 510	BIT SAMPLE 820'	1140 - 1150	-
		835 - 840		-

Duplicate Set washed & unwashed

Well:

Driller: State Water Control Board

Location: Gloucester 7.5-minute Quadrangle; 0.65 mile north of
Shortlane and 0.3 mile east of U. S. Highway 17;
Gloucester County Landfill.

Elevation: 75 feet

Total depth: 1850 feet (1200 feet of sample available)

Started drilling: October 29, 1981

Completed drilling: January 2, 1982

Sample description by: Eugene K. Rader, Virginia Division of Mineral
Resources, 11/29/82

GEOLOGIC SUMMARY

Depth (feet)	Thickness (feet)	Formation
0-30	30	Windsor Formation
30-220	190	Chesapeake Group; Upper Cycle
220-430	210	Chesapeake Group; Lower Cycle
430-610	180	Pamunkey Group
610-1200+	590+	Potomac Group
1200-1850	650	No samples collected

OWNER: State Water Control Board
DRILLER:
COUNTY: Gloucester

W # 6537
TOTAL DEPTH - 1850'

DEPTH
(FEET)

WELL LOG

- | DEPTH (FEET) | Soil Type | Description |
|--------------|-----------|---|
| 0-10 | Sand | - yellowish gray (5Y 7/2), fine-grained to granule, subangular to subrounded, poor to moderate sorting; moderate clay in unwashed sample; quartz-milky, smokey, clear, rose; trace feldspar; minor opaque minerals - ilmenite and glauconite (?); trace of shell fragments. |
| 10-20 | Sand | - yellowish gray (5Y 7/2), fine-grained to granule, subangular to rounded, poor to moderate sorting; sparse clay in unwashed sample; quartz-milky, clear, smokey; trace of garnet, feldspar, ilmenite, rock fragments, and shell fragments. |
| 20-30 | Sand | - yellowish gray (5Y 7/2), fine-grained to granule, subangular to rounded, poor to moderate sorting; sparse clay in unwashed sample; quartz-milky, clear, smokey; trace of garnet, feldspar, ilmenite and glauconite (?). |
| 30-40 | Sand | - pale olive (10Y 6/2), fine- to medium-grained, subangular to rounded, moderate to moderately well sorting; quartz-milky, clear, smokey; 1%+ glauconite; 5 to 10% shell fragments - bivalves, snails, ostracodes, echinoderms. |
| 40-50 | Sand | - pale olive (10Y 6/2), fine- to coarse-grained, subangular to subrounded, moderate sorting; quartz-milky, clear; trace of glauconite; 50%+ shell fragments - bivalves, snails, echinoderms, ostracodes. |
| 50-60 | Coquina | - white to pale olive (10Y 6/2), fine-grained, subangular to rounded, moderately well sorted; quartz - 30%+; shell fragments - bivalves, snails, bryozoa, echinoderms, forams (<u>Quinqueloculina</u>). |
| 60-70 | Coquina | - white to pale olive (10Y 6/2), fine-grained, subangular to rounded, moderately well sorted; quartz - 40%+; shell fragments - bivalves, echinoderms, snails; glauconite - 2%+. |

DEPTH
(FEET)

WELL LOG

70-80	Sand	-	pale olive (10Y 6/2), fine-grained, subangular to subrounded, well sorted; quartz - 70%+; glauconite - 2%+; shell fragments - bivalves, snails, echinoderms, worm tubes.
80-90	Sand	-	pale olive (10Y 6/2), fine- to coarse-grained, subangular to rounded, moderately well sorted; quartz - 60%+; glauconite and phosphate - 2%+; shell fragments - bivalves, snails.
90-100	Sand	-	pale olive (10Y 6/2); fine- to very fine-grained, subrounded, poorly sorted; abundant silt and clay; quartz - 30%+; shell fragments - bivalves, worm tubes; glauconite and phosphate - 1%+.
100-110	Sand	-	pale olive (10Y 6/2), fine- to coarse-grained, subangular to rounded, moderately sorted; quartz - 95%+; glauconite - 2%+; shell fragments - bivalves.
115, Bit Sample	Clay	-	light olive gray (5Y 5/2); quartz 30%+; glauconite, green and black, 3%+; shell fragments - 2%; phosphate - trace.
110-120	Sand	-	light gray (N7), fine- to very coarse-grained, subangular to rounded, poorly sorted; quartz - 70%+; shell fragments - 30%+, bivalves, snails, echinoderms; trace of phosphate and glauconite; sparse clay.
120-130	Sand	-	light gray (N7), medium-grained to granule, subangular to rounded, poorly sorted; quartz - 60%+; shell fragments - 40%+; bivalves, snails, bryozoa; trace of glauconite.
130-140	Sand	-	light gray (N7), medium-grained to granule, subangular to rounded, poorly sorted; quartz - 60%+; shell fragments - 40%+; bivalves; trace of phosphate.
140, Bit Sample	Clay	-	olive gray (5Y 4/1); silty; sandy - quartz, fine-grained to granule, subangular to rounded; poorly sorted; shell fragments 30%+, bivalves; minor muscovite and gypsum; trace of glauconite and phosphate.

DEPTH
(FEET)

WELL LOG

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|------------------|---------|--|
| 140-150 | Sand | - very light gray (N8), fine- to medium-grained, subangular to rounded, moderately sorted; quartz 70%+; glauconite 20%+; black; shell fragments - bivalves. |
| 150-160 | Sand | - very light gray (N8), fine- to medium-grained, subangular to rounded, moderately sorted; quartz 70%+; glauconite 20%+; black; shell fragments - bivalves. |
| 160-170 | Sand | - very light gray (N8), fine to medium-grained, subangular to rounded, moderately sorted; quartz 70%+; glauconite 15%+, black; shell fragments - bivalves, snails, echinoderms; trace of phosphate. |
| 170-180 | Coquina | - white (N9) to very light gray (N8); coarse shell fragments 85%+, bivalves; quartz, fine- to medium-grained, subrounded to rounded, 15%+; poorly sorted; minor glauconite, black. |
| 180-190 | Sand | - very light gray (N8), fine- to coarse-grained, subangular to rounded, poorly sorted; quartz 75%+; glauconite 5%, black; shell fragments - bivalves. |
| 190-200 | Sand | - light olive gray (5Y 6/1), fine- to coarse-grained, subangular to rounded, moderately sorted; quartz 80%+; glauconite 5%+; shell fragments - bivalves, echinoderms; trace of gypsum. |
| 200, Stab Sample | Sand | - light olive gray (5Y 6/1), fine- to medium-grained, subangular to rounded, moderately sorted; quartz 5%+; glauconite 2%+; shell fragments - bivalves, echinoderms; abundant clay in unwashed sample. |
| 200-210 | Sand | - light olive gray (5Y 6/1), fine- to medium-grained, subangular to rounded, moderately well sorted; quartz 94%+; glauconite 1%+; shell fragments - bivalves, echinoderms; trace of phosphate. |
| 215, Stab Sample | Sand | - light olive gray (5Y 5/2), fine-grained, subangular to rounded, moderately sorted; abundant clay; quartz 75%+; glauconite and phosphate (?) 2%+; shell fragments - bivalves; one large phosphate pebble. |

DEPTH
(FEET)

WELL LOG

210-220	Sand	- light gray (N7), fine-grained to granule, subangular to rounded, poorly sorted; quartz 94%+; glauconite 1%+; shell fragments - bivalves, echinoderms; trace of phosphate.
220-230	Clay	- light olive gray (5Y 6/1); sandy, quartz, very fine- to fine-grained, angular to subrounded; poorly sorted; sparse muscovite; trace of gypsum; shell fragments - bivalves, echinoderm spines; trace of glauconite or phosphate.
230-240	Clay	- light olive gray (5Y 6/1); sandy, quartz, very fine- to fine-grained, angular to subrounded; poorly sorted; sparse muscovite; trace of gypsum; shell fragments - bivalves; sparse phosphate.
235, Bit Sample	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; trace of muscovite; sparse phosphate; shell fragments - bivalves.
240, Bit Sample	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse muscovite; sparse phosphate (?); shell fragments - bivalves.
240-250	No sample	
250-260	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse muscovite; sparse phosphate (?); shell fragments - bivalves.
255, Bit Sample	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse muscovite; sparse phosphate (?); shell fragments - bivalves, forams.
260-270	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse muscovite; sparse phosphate (?); shell fragments - bivalves, echinoderm spines.
270-280	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; trace muscovite; sparse phosphate; minor gypsum; shell fragments - bivalves.
280-290	Clay	- light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse muscovite; sparse phosphate; minor gypsum; shell fragment.

DEPTH
(FEET)

WELL LOG

290-300	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse muscovite and gypsum; trace phosphate (?); shell fragments - bivalves, snails.
300-310	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse muscovite, gypsum, and phosphate; shell fragments.
310-320	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse muscovite, gypsum, and phosphate; shell fragments, diatoms.
315, Bit Sample	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse muscovite, gypsum, and phosphate; minor shell fragments, diatoms and forams.
320-330	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; trace muscovite and gypsum; sparse phosphate (?); diatoms (abundant), forams.
330-340	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; trace muscovite and gypsum; sparse phosphate (?); diatoms (common), forams.
340-350	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams.
350-360	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams.
360-370	Clay	-	light olive gray (5Y 6/1); very sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams (common).
370-380	Clay	-	light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams.
380-390	Clay	-	light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams (<u>Siphogerina</u>).
390-400	Clay	-	light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams (<u>Siphogerina</u> , <u>Nonion</u>).

DEPTH
(FEET)

WELL LOG

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| 400, Bit
Sample | Clay | - light olive gray (5Y 6/1); sandy, quartz; poorly sorted; sparse phosphate; diatoms (abundant), forams (<u>Siphogerina</u> , <u>Nonion</u>). |
| 415-420 | Sand | - light olive gray (5Y 5/2), fine- to coarse-grained, subangular to rounded; poorly sorted; abundant clay; sparse phosphate; shell fragments, diatoms, forams (<u>Nonion</u> , <u>Marginulina</u>). |
| 420-430 | Sand | - light olive gray (5Y 5/2), fine- to coarse-grained; subangular to rounded; poorly sorted; abundant clay; shell fragments, forams (<u>Pseudo uvigerina</u> , <u>Nonion</u> , <u>Siphogerina</u>); sparse phosphate. |
| 430-440 | Sand | - light olive gray (5Y 5/2), fine-grained to pebble, angular to rounded, poorly sorted; abundant clay; quartz 75%+; glauconite 20%+; phosphate 1%+; shell fragments, forams (<u>Nonion</u> , <u>Marginulina</u> , <u>Cibicides</u> , <u>Uvigerina</u>), echinoderm spines. |
| 440-450 | Sand | - grayish olive (10Y 4/2), fine- to coarse-grained, angular to rounded, poorly to moderately sorted; abundant clay; quartz 50%+; glauconite 50%+; shell fragments, forams, common - (several species), echinoderm spines. |
| 450-460 | Sand | - grayish olive (10Y 4/2), fine- to coarse-grained, angular to rounded, poorly to moderately sorted; abundant clay - unit may be interbedded sand and clay; quartz 50%+; glauconite 50%+; shell fragments, forams, common to abundant (several species). |
| 460-470 | Sand | - grayish olive (10Y 4/2), fine- to coarse-grained, angular to rounded, poorly to moderately sorted; abundant clay - unit may be interbedded sand and clay; quartz 50%+; glauconite 50%+; shell fragments, forams, common to abundant (several species). |
| 470-480 | Clay | - dark yellowish brown (10YR 4/2); sandy, quartz 45%+; glauconite 45%+; muscovite 2-5%+; gypsum 5%+; shell fragments, diatoms - rare, forams - abundant (several species). |

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480-490	Clay	- dark yellowish brown (10YR 4/2); sandy, quartz 45%+; glauconite 45%+; gypsum 10%+; shell fragments, forams - abundant (several species), ostracodes - rare; echinoderm spines.
490-500	Clay	- dark yellowish brown (10YR 4/2); very sandy, quartz 45%+; glauconite 45%+; gypsum 10%+; shell fragments, forams - abundant (several species); pyrite trace.
500, Bit Sample	Clay	- dark yellowish brown (10YR 4/2); very sandy, quartz 45%+; glauconite 45%+; gypsum 10%+; shell fragments - bivalves, forams - abundant (several species).
500-510	Clay	- dark yellowish brown (10YR 4/2); very sandy, quartz 45%+; glauconite 45%+; gypsum 10%+; sparse pyrite; shell fragments - bivalves, forams - abundant (several species), ostracodes - rare; rounded quartz pebbles present.
510-520	Clay	- dark yellowish brown (10YR 4/2); very sandy, quartz 45%+; glauconite 45%+; gypsum 10%+; sparse pyrite; shell fragments - bivalves, forams - abundant (several species), ostracodes - rare; rounded quartz pebbles present.
520-530	Sand	- olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles.
530-540	Sand	- olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles.
540-550	Sand	- olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles.

DEPTH
(FEET)

WELL LOG

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|-----------------|------|---|--|
| 550-560 | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |
| 560-570 | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |
| 570-580 | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |
| 580-590 | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |
| 590-600 | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |
| 600, Bit Sample | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |
| 610-620 | Sand | - | olive gray (5Y 4/1), fine- to medium-grained, angular to rounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; gypsum, pyrite, muscovite, and phosphate 5%+; shell fragments, forams - abundant (several species), ostracodes - rare; few rounded quartz pebbles. |

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| 620-630 | Sand | - | olive gray (5Y 4/1), fine- to coarse-grained, subangular to rounded, poorly sorted; quartz 40%+; clay 30%+; glauconite 20%+; gypsum, muscovite, pyrite and phosphate 10%+; shell fragments, forams - abundant (several species), ostracodes - rare; few large fragments of bluish white limestone with pyrite; few rounded quartz and phosphate pebbles. |
| 630-640 | Sand | - | olive gray (5Y 4/1), fine- to coarse-grained, subangular to rounded, poorly sorted; quartz 40%+; clay 30%+; glauconite 20%+; gypsum, muscovite, pyrite and phosphate 10%+; shell fragments, forams - abundant (several species), ostracodes - rare; few large fragments of bluish white limestone with pyrite; few rounded quartz and phosphate pebbles. |
| 640-650 | Sand | - | light gray (N7) and black, fine- to coarse-grained, angular to rounded, poorly sorted; quartz 60%+; glauconite 20%+; clay 10%+; sandy limestone 10%+; shell fragments, forams - common (several species), echinoderm spines; pyrite on limestone. |
| 650-660 | Sand | - | light gray (N7) and black, fine- to coarse-grained, angular to rounded, poorly sorted; quartz 60%+; glauconite 20%+; clay 10%+; sandy limestone 10%+; shell fragments, forams - common (several species), echinoderm spines; pyrite on limestone. |
| 660-670 | Sand | - | white and black, fine- to coarse-grained; subangular to rounded, poorly sorted; quartz 45%+; glauconite 45%+; limestone 5%+; clay 5%+; shell fragments, forams - rare to common (several species); sparse phosphate pebbles. |
| 670-680 | Sand | - | white and black, fine- to coarse-grained; subangular to rounded, poorly sorted; quartz 45%+; glauconite 45%+; limestone 5%+; clay 5%+; shell fragments, forams - rare to common (several species); sparse phosphate pebbles. |
| 680-690 | Sand | - | white and black, fine- to coarse-grained; subangular to rounded, poorly sorted; quartz 45%+; glauconite 45%+; limestone 5%+; clay 5%+; shell fragments, forams - rare to common (several species); sparse phosphate pebbles. |

DEPTH
(FEET)

WELL LOG

690-700	Sand	- white and black, medium- to coarse-grained, angular to subrounded, poorly sorted; quartz 45%+; glauconite 45%+; clay 5%+; limestone 5%+; sparse pyrite and phosphate; shell fragments, forams and ostracodes - rare.
700, Bit Sample	Sand	- olive gray (5Y 4/1), fine- to coarse-grained, subangular to subrounded, poorly sorted; quartz 30%+; glauconite 30%+; clay 35%+; muscovite, pyrite, phosphate 5%+; shell fragments, forams and ostracodes - rare, diatoms - questionable.
700-720	No sample	
720-730	Sand	- white and black, medium- to coarse-grained, subangular to rounded, moderately sorted; quartz 75%+; glauconite 20%+; limestone 5%; shell fragments 5%+.
730-740	Sand	- light gray (N7), medium- to coarse-grained, subangular to rounded, moderately sorted; quartz 80%; glauconite 17%; limestone 3%; shell fragments, forams - rare; pyrite - trace; garnet - trace.
740-750	Sand	- light gray (N7), medium- to coarse-grained, subangular to rounded, moderately sorted; quartz 80%; glauconite 17%; limestone 3%; shell fragments, forams - rare; pyrite - trace; garnet - trace.
750-760	Sand	- light gray (N7), medium- to coarse-grained, subangular to rounded, moderately sorted; quartz 80%; glauconite 17%; limestone 3%; shell fragments, forams - rare; pyrite - trace; garnet - trace.
760-770	Sand	- light gray (N7), medium- to coarse-grained, subangular to rounded, moderately sorted; quartz 80%; glauconite 17%; limestone 3%; shell fragments, forams - rare; pyrite - trace; garnet - trace.
770-780	Sand	- white, medium- to coarse-grained, subangular to rounded, moderately sorted; quartz 95%+; glauconite 2%+; garnet and limestone - trace; shell fragments, forams - very rare, broken.

DEPTH
(FEET)

WELL LOG

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|-----------------|-----------|---|---|
| 780-790 | Sand | - | white, medium- to very coarse-grained, subangular to rounded, poorly sorted; quartz 95%+; glauconite 2%+; rounded quartz and limestone (?) pebbles; muscovite - trace, garnet - trace. |
| 790-800 | Sand | - | white, medium- to very coarse-grained, subangular to rounded, poorly sorted; quartz 95%+; glauconite 2%; rounded quartz and limestone (?) pebbles; muscovite - trace, garnet - trace. |
| 800-820 | No sample | | |
| 820, Bit Sample | Sand | - | light olive gray (5Y 6/1), fine- to coarse-grained; angular to subrounded; poorly sorted; quartz 50%+; glauconite 15%+; clay 35%+; shell fragments, forams - rare to common. |
| 820-835 | No sample | | |
| 835-840 | Sand | - | light gray (N7), medium- to coarse-grained, angular to rounded, moderately sorted; quartz 90%+; glauconite 5%+; rock fragments - limestone, granite - up to pebble size; shell fragments; pyrite - trace. |
| 840-850 | Sand | - | light gray (N7), medium- to coarse-grained, angular to rounded, poorly sorted; quartz 90%+; glauconite 5%+; rock fragments - sandy clay, granite, glauconitic limestone; shell fragments; muscovite and garnet - trace. |
| 850-860 | Sand | - | light gray (N7), medium- to coarse-grained, angular to rounded, poorly sorted; quartz 90%+; glauconite 5%+; rock fragments - sandy clay, granite, glauconitic limestone; shell fragments; muscovite and garnet - trace. |
| 860-870 | Sand | - | light gray (N7), medium- to coarse-grained, angular to rounded, poorly sorted; quartz 90%+; glauconite 5%+; rock fragments - sandy clay, granite, glauconitic limestone; shell fragments; muscovite and garnet - trace. |

DEPTH
(FEET)

WELL LOG

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|--------------|------|--|
| 870-880 | Sand | - light gray (N7), fine- to coarse-grained, some granules, angular to subrounded, poorly sorted; quartz 80%+; rock fragments - granite, pegmatite, garnet, 10%+; feldspar 10%+; glauconite and shell fragments - probably contamination. |
| 880-890 | Sand | - light gray (N7), fine- to coarse-grained, some granules, angular to subrounded, poorly sorted; quartz 80%+; rock fragments - granite, pegmatite, garnet, 10%+; feldspar 10%+; glauconite and shell fragments - probably contamination. |
| 890-900 | Sand | - light gray (N7), fine- to coarse-grained, some granules, angular to subrounded, poorly sorted; quartz 80%+; rock fragments - granite, pegmatite, garnet, 10%+; feldspar 10%+; glauconite and shell fragments - probably contamination. |
| 900-910 | Sand | - light gray (N7), fine- to coarse-grained, some granules, angular to subrounded, poorly sorted; quartz 80%+; rock fragments - granite, pegmatite, garnet, 10%+; feldspar 10%+; glauconite and shell fragments - probably contamination. |
| 910-920 | Sand | - light gray (N7), fine- to coarse-grained, some granules, angular to subrounded, poorly sorted; quartz 80%+; rock fragments - granite, pegmatite, garnet, 10%+; feldspar 10%+; glauconite and shell fragments - probably contamination. |
| 920-930 | Sand | - light gray (N7), fine- to coarse-grained, some granules, angular to subrounded, poorly sorted; quartz 80%+; rock fragments - granite, pegmatite, garnet, 10%+; feldspar 10%+; glauconite and shell fragments - probably contamination. |
| 930-940 | Sand | - light gray (N7), fine- to coarse-grained, some pebbles, angular to rounded, poorly sorted; quartz 75%+; feldspar 10%+; rock fragments - granite, schist, 15%+; muscovite and garnet - trace; sandy clay or silt - probably interbedded with sand; glauconite and shell fragments probably contamination. |

DEPTH (FEET)		WELL LOG
940-950	Sand	- light gray (N7), fine- to coarse-grained, some pebbles, angular to rounded, poorly sorted; quartz 75%+; rock fragments - granite, schist, 14%+; muscovite 1%+; pyrite and garnet - trace; feldspar 10%; glauconite and shell fragments probably contamination.
950-960	Sand	- light gray (N7), fine- to coarse-grained, some pebbles, angular to rounded, poorly sorted; quartz 75%+; rock fragments - granite, schist, 14%+; muscovite 1%+; pyrite and garnet - trace; feldspar 10%; glauconite and shell fragments probably contamination.
960, Bit Sample	Silt	- light olive gray (5Y 6/1); large fragments of sandy silt and smaller fragments of weathered granite and schist; shell fragments, glauconitic limestone and clay are probably contamination.
960-975	No sample	
975-980	Sand	- light gray (N7), fine- to coarse-grained, some pebbles, angular to rounded, poorly sorted; quartz 75%+; rock fragments - granite, schist, 14%+; muscovite 1%+; pyrite and garnet - trace; feldspar 10%; glauconite and shell fragments probably contamination.
980-990	Sand	- light gray (N7), fine- to coarse-grained, some pebbles, angular to rounded, poorly sorted; quartz 75%+; rock fragments - granite, schist, 14%+; muscovite 1%+; pyrite and garnet - trace; feldspar 10%; glauconite and shell fragments probably contamination.
990-1000	Sand	- light gray (N7), fine- to coarse-grained, some granule size, angular to subrounded, poorly sorted; quartz 90%+; feldspar 5%+; rock fragments - granite, pegmatite 5%+; garnet - trace; shell fragments and glauconite are probably contamination.
1000-1010	Sand	- light gray (N7), fine to coarse-grained, some granule size, angular to subrounded, poorly sorted; quartz 90%+; feldspar 5%+; rock fragments - granite, pegmatite 5%+; garnet - trace; shell fragments and glauconite are probably contamination.

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WELL LOG

- | DEPTH (FEET) | | |
|--------------|------|---|
| 1010-1020 | Sand | - light gray (N7), fine- to coarse-grained, some granule size, angular to subrounded, poorly sorted; quartz 90%+; feldspar 5%+; rock fragments - granite, pegmatite 5%+; garnet - trace; shell fragments and glauconite are probably contamination. |
| 1020-1030 | Sand | - light gray (N7), fine- to coarse-grained, some granule size, angular to subrounded, poorly sorted; quartz 90%+; feldspar 5%+; rock fragments - granite, pegmatite 5%+; garnet - trace; shell fragments and glauconite are probably contamination. |
| 1030-1040 | Sand | - light gray (N7), fine- to coarse-grained, some granule size, angular to subrounded, poorly sorted; quartz 90%+; feldspar 9%+; rock fragments 1%+; garnet - trace; shell fragments and glauconite probably contamination. |
| 1040-1050 | Sand | - light gray (N7), fine- to coarse-grained, some granule size, angular to subrounded, poorly sorted; quartz 90%+; feldspar 9%+; rock fragments 1%+; garnet - trace; shell fragments and glauconite probably contamination. |
| 1050-1060 | Sand | - light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination. |
| 1060-1070 | Sand | - light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination. |
| 1070-1080 | Sand | - light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination. |
| 1080-1090 | Sand | - light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination. |
| 1090-1100 | Sand | - light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination. |

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1100, Bit Sample	Silt	-	light olive gray (5Y 6/1); sandy - quartz; glauconite; forams, shell fragments; gypsum; this entire sample appears to be either mislabeled or contamination.
1100-1120	No sample		
1120-1130	Shells	-	shell fragments with very minor quartz sand; sample appears to be a washout.
1130-1140	Shells	-	shell fragments with very minor quartz sand; sample appears to be a washout.
1140-1150	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.
1150-1160	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.
1160-1170	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.
1170-1180	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.
1180-1190	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.
1190-1200	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.
1200, Bit Sample	Sand	-	light gray (N7), fine-grained to coarse granule, angular to rounded, poorly sorted; quartz 80%+; feldspar 10%+; rock fragments 10%+; shell fragments and glauconite probably contamination.