W# 5014 C# 228

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES OFFICE ADDRESS:

B 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

WATER C. lottesville, VA 22903 WELL COMPLETION REPORT Charlottesville, Virginia

OWNER: Austin Process & Industrial	Mailing Address Chester, VA. 23831
TENANT:	Mailing Address
	P.O. Box 27186
DRILLER: Sydnor Hydrodyanmics	
WELL LOCATION: County Chesterfield	
existing well and 1000	feet Yald Yard TA TS xxxxx North (direction) of St/Rd/827
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM T COUNTY HIGHWAY OR OTHER MAP.)	70 79 Small boulders and gravel.
DATE STARTED: 9/19/77	THE PROPERTY CONTRACTOR OF THE PROPERTY OF THE
TYPE OF DRILL RIG USED:	TOTAL DEPTH 110 ** feet
WATER LEVEL: Stands 22'10" feet below	surface <u>OR</u>
has <u>NATURAL</u> flow of_	gallons per minute.
YIELD TEST: Methodpump	HOLE SIZE: 8 inches from 0 to 110 feet
Drawdown5' 9½" feet	tofeet
Rate63 gal. per min.	inches fromtofeet
Duration 3 3/4 hrs.,min.	SCREEN SIZE: 4 inches from 50 to 65 feet
WATER ZONES: from 50 to 65 feet	tofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 4 inches from +2 to 50 feet
WATER: ColorTaste	inches fromtofeet
Odor	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method
Farm Town School	Material Depth feet
IndustryOther_test well	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal. per min
ORILL CUTTINGS SAVED: YesNo (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT I OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	ED FREE OF CHARGE UPON REQUEST)
R ARKS: Depth of completed well 65'	v v

FURNISHED BY: ____ Charles Mitchell

DATE:

Coarse brown sand and graves 70 79 Small boulders and graves 87 95 Hard gravel and sand Small boulders 98 110 White sand clay	ENANT: Sydnor Hydrodyanmics Ant E Stante of Bales of Bales ATE STARTED: 9/19/77 ATER LEVEL Stante 22*10" set tested suits Nas warday pump HOLD TEST Method pump
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White sand clay Offer the sand sale and sale an	ATER LEVEL Stanor 22*10" below suits No. Watural Hey of 63 ELD TEST Method pump No. Contract St. 94" Not Rote 63 pr server Duroter 3 3/4 hrs
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saTwww.paperson.com	TUL CUTTINGS SAVED TO THE SALE OF THE SAVED TO THE SAVED THE SAVED TO
	HEL COTTINGS SEQUED BY DOLLECTAR AT 15 of 3' INTERVI-
	ARKS Depth of completed well 65

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

INTERVAL SHEET

W# 5014

Page 1 of 1 Well Repository No: $^{\text{C\# }228}$

Date rec'd:1/31/78 Date Processed:3/2/78 Sample Interval: from:0 to:110

PROPERTY: Austin Process & Industrial Co. Number of samples: 11

COMPANY: Sydnor Total Depth: 110'

F	rom	-To	From-To	From-To	From-To
0	_	10	-	_	_
10	-	20	-	-	-
20	-	30	-	_	_
30	-	40	-	1 -	-
40	-	50	-	_	=
50	-	60	=	i -	-
	-	70	_	-	-
70	-	80	-	-	-
80	-	90	-	-	-
90	_	100	=	-	=
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Washed and unwashed samples.

Owner: Austin Process&Ind. Co.
Driller: Sydnor
County: Chesterfield
(Bermuda Hundred)

100-110 As above.

W# 5014 C# 228 Total depth: 110' Quad: Hopewell

Depth (feet)	GEOLOGIC LOG
0-10	Clay - dark yellowish orange; abundant sand; fine to medium grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques; few grains of glauconite.
10-20	Sand - dark yellowish orange; slightly stained; slightly clayey; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; feldspar; some opaques; muscovite.
20-30	Clay - olive light gray, light olive gray; abundant sand; fine to medium grained, some coarse grains, 5% slightly stained pebbles; sub-angular to subrounded; poorly sorted; quartz; few grains of glauconite; feldspar; muscovite.
30-40	Clay and sand - light olive gray; abundant clay; moderate sand; very fine to medium grained, some coarse grains, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; some glauconite; muscovite; few grains of feldspar.
40-50	Sand - off white; slightly clayey; coarse grained, some very coarse grains; subrounded; well sorted; quartz; feldspar; some glauconite; few grains of garnet.
50-60	As above plus few granules.
60-70	Sand - light olive gray; slightly clayey; coarse grained to granular; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
70-80	As above plus few grains of garnet.
80-90	As above plus some medium grains.
90-100	Sand - off white; slightly clayey; coarse grained to granular, some medium grains, 5% pebbles, subrounded; moderately sorted; quartz; feldspar; few grains of garnet.

Logged by: Michael T. Currie

OWNER: Austin Process and Industrial Co.

W#: 5014

GEOLOGIC SUMMARY

DEPTH (feet)	THICKNESS (feet)	ROCK UNIT	TIME ROCK UNIT
0 - 40	40	Norfolk Formation	Pleistocene
40 - 110	70	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES David A. Hubbard, Jr., Geologist November 20, 1978