

INTERVAL SHEET

_age1		VDMR W	TELL NO .: 47	75
Date Novem	nber 14, 1960	Sample	Interval: from 1	40 to
PROP: Nels E	3. Carlston	Total	Depth	man minint drop higher was minint bloke trans
COMP: Sydnor	r	Oil	GasWater_X	Exploratory_
COUNTY: Augus	sta (Verona)	Cuttin	gsX_Core(Other
From-To	From-To	From-To	From-To	From-To
140-	Unwashed Samples			A
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COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WWCR 190 VDMR 475

WATER WELL GO	MPLETION REPORT	1000	
OWNER:Nels B. Carlstrom	Route 4, Staun	ton, Virginia	Mella
TENANT: Rig 65, Sydnor Pump and Well Co., Inc	Mailing Address: Richmond, Vii	ginia	U
WELL LOCATION: county Augusta	Approx.	ft. miles	
(direction) ofVerona	and miles	.of	
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rive	rs, etc On county highway or other map.)		
WATER CONDITIONS	S. N		
DEPTH	9183		
STATIC WATER LEVEL _21'	Take Route 612 East fr		
WATER ZONES (fissures or formations supplying water)	'Laurel Hills' subdivis	ion. See name	
(from) (to) (from) (to)	on mail box.	Account (213)	
ft	19186		113130
QUANTITY OF WATER			
WELL PUMPED (or bailed) at 113/4 Gal. per Min. with			
feet <u>DRAWDOWN</u> after 2 HOURS PUMPING.	A STORY BARBOOK		
FLOW (natural)G.P.M. HEADft. (above ground	4) W		E
REMARKS:	3/		
REMARKS.			
QUALITY OF WATER			
COLOR O.k. TASTE O.k.			
ODOR none OTHER			
ANALYSIS: AVAILABLE— Yes D NoD: ATTACHED Yes D NoD			
TEMPERATURE			
(from) (to)			
(salt, brackish, iron, sulfur,acid, other)			
USE OF WATER: Domestic & Town Industry Farm Public	S		
CONSTRUCTION	HOLE SIZE	CASING SIZE	
RIG TYPE (or method)	(diam) (from) (to)	in ft	(to)
DATE: Started 9-20-60; Completed 9-20-60	9 0 23 5 200	5 0 2	24
TOTAL DEPTH 200'ft.		norforations)	
21	SCREEN (or (from) (to)	(opening size)	
GROUTING INFORMATION	ftft		
METHOD USEDGravity	PUMP	(installed)	
GROUTING MATERIAL cement and water		o. (gpm)	
DEPTH OF GROUTING 20' (min. F.H.A. const.)	-		**
DEPTH OF GROUTING	H.P Depth of	intake	
REMARKS: Samples for Division of Mineral Res	ources, Charlottesville,	, Va.	
•			

FURNISHED BY Sydnor Pump & Well Co., Inc. 9-20-60

By Jesse Snyder, Jr.

	PTH eet)	TYPE OF SOIL OR ROCK PENETRATE	ED	REMARKS
FROM	ТО	(gravel, clay, etc., hardness, color, etc.	e)	(water, caving, shot, screen, sample, etc.)
				THAT I
0	1	Top soil	STATE OF THE	Low Transfer of the Low
1	2	Yellow clay		SSEUDIA NOTADOLI LIP
2	12	Yellow shale		The state of the s
12	13	Gray lime		The first that the fi
13	14	Yellow shale		
14	17	Gray shale		SHE DIGMOD & TAW
17	18	Yellow shale		HITTER
18	42'	Gray shale		THE LEVEL RETAIN OFFICE
42	43	Weathered zone about 2 - GPM		tide contrast to except cause sath
43	86	Gray shale		
86	86'6"	Crack (soft place) (Urilling		munt (oil (most)
16"	2001	Gray shale		
				RUTAW TO STITHAGO
			A real range	no RC 200 (60(00 to) GSSM09 113
			THE PRINCIPAL ST	HOH TO THE WAYDEWASE TEN
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				STATE TO YELLING
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				VIST 4830 III
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				entropies Chaffeet parents a A
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	CIMA RIVE			The State of the Application
				HOLTANITOTHI SHITLING
				ALVER LOBEL CORFE
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		# 148 At		
	Const.			

COMMONWEALTH OF _VIRGINIA



DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

	DIVISION	OF	MINERAL	RESOURCES
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Box 3667, University Station, Charlottesville, Virginia

VPMR#475

WATER WELL COL	MPLETION REPORT	ungan ##
OWNER Hels B. Carlstrom	Mailing Address Poute 4 - Stages to	n Vivarinia
- P +	Mailing Address	1
DRILLER: Rig 65 Sydner Dump and well to Inc	Mailing Address: Richmond, Vi	iginia -
WELL LOCATION: county Hugusta	Approx.	/ ft. miles
(direction) of	and of of	3 1
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers,	, etc.— On county highway or other map)	
WATER CONDITIONS	-1 0 / N T	-1 P
DEPTH 6./	Take Route 612 E	08# 116W
STATIC WATER LEVEL 27	Verong to the	Hills"
WATER ZONES (fissures or formations supplying water)	1 -10.00 000 112/	197 - 18/
(from) (to) (from) (to)	Subdivision. See	Name
42 ft 43	The state of the s	14 17
QUANTITY OF WATER	on mail Box	
WELL PUMPED (or bailed) at 134 Gal. per Min. with	310 113/	13 18
200 feet DRAWDOWN after 2 HOURS PUMPING.		
FLOW (natural)G.P.M. HEADft. (above ground)	M MANAGERY	10 42
REMARKS:		
100 B 3 600	go, into parting	115 43
QUALITY OF WATER		1, 1, 1,
COLOR OR TASTE OK	Crary Stucks	32
ODOR NOUS OTHER	1	63
ANALYSIS: AVAILABLE— Yes No ATTACHED Yes No	Grash (soit I	15/52 6
TEMPERATURE		9 074 98
(salt, brackish, iron, sulfur,acid, other)	2 chale	No. of the No.
USE OF WATER: Domestic Town Industry Farm Public	S	20 78
CONSTRUCTION	HOLE SIZE CA	SING SIZE
RIG TYPE (or method) (rotary, cable, bored, driven, etc)	(diam) (from) (to) (diam)	in (from) (to)
DATE: Started 9-20-60; Completed 9-20-60	5 23 700 5	0 24
TOTAL DEPTH 200' ft.	SCREEN (or perforat	ions)
BEDROCK atft.	(diam.) (from) (to)tntttt	(opening size)
GROUTING, INFORMATION	PUMP (installed)	
METHOD USED Gravity		
GROUTING MATERIAL Coment + Water	TYPE Cap. (gpm)_	
DEPTH OF GROUTING 20.1 (min . F.H.F.) Coust.	H.P Depth of intake_	ft.
REMARKS:	, , , ,	. 11
Samples for Division of	Mucial Resources Co	hackottes villy
	Control of the Contro	
	, 22, 24	well (over)
	Log of	men (over)

Istrom		Charlotresville, Virginia	by Jens	Mur Do
DEP		TYPE OF SOIL OR ROCK PENET	RATED	REMARKS
FROM	TO	(gravel, clay, etc., hardness, colo		(water, caving, shot, screen, sample, etc.)
	>	ing Address	NaM	ENANTALES
0	4000	1 op SOIL IN SIGNA ON	MAN 17 27 1227 1	RILER & Co les Sydner Signif alle
1	2	yellow clay	6)	ELL LOCATION: COUNTY HELD CASE
- 1		Commission and an approximation of the	THE CHARLES THE STATE OF THE ST	A de to (notice in)
2	12	Yellow Shate		WATER CONDITIONS
+18817	15 80	Take Noute No 15 E		, progn
12.	13	Cray Lime		TATIC WATER LEVEL 2/
13	14	yellow shahe	plying water)	ATER ZONES (fissures or formations sug
	Naver	Sold western X d 2	(ta)	(mort) (o) (mort)
14	17	Gray shale	1)	43
	10	yellow shale		QUANTITY OF WATER
17	18	yenou	L per Min. with	ELL PUMPED (or boiled) of 124 Co
	1161	(chal	RS PUMPING.	200 feet DRAWDOWN offer 2 HO
18	42	Cray shale	ft_(above_ground) W	OW (natural)
		11.50 1/10 01 5 000 10	6. 15 - 6	EMARKS.
4/2	43	weallest zone a	boat & = 6	AND SO VILLAND
/		1/	1 .	ALTON TANA TANA
	See 11	C - S/10/0	X O	OLOR LASTE
43	89	Cray Shalp	2 /	DOR VOYEN OTHER
43		Cray Shalf	Mace) (D	relling Brook LAHG II
	86'6"	cray shalf eractificately	stace) (D	relling Brook JEH. G. II
84		eraett- (soft)	Mace) (D)	DOOR THERE TO A HALL
		cray shalf cray shalf	Mace) (D)	V
84		eraett- (soft)	.17. (101)	V
86'6"	866' 260' 212 DMIE	Cray shale	(t). (to) ft.	SE OF WATER, Coments & Town D. Industry
84 86'6"	866' 260'	Cray shale	ft. (10) ft.	SE OF WATER, Comession Town III Industry GONSTRUCTION GTYPE (or marked) Testing Confer Source Street
86'6"	8 G G G G G G G G G G G G G G G G G G G	Cray shale AD 3518 310H (month) (month)	ft. (10) ft.	SE OF WATER, Comession Town D. Industry GONSTRUCTION G TYPE (sc marged) Faraty, code, bars, drven, and started ATE: Storted F-20-40; Cornelete
86'6"	8 G G G G G G G G G G G G G G G G G G G	Cray shale Cray shale AD 3X18 3LIOH (month) (control (not)) ASPREN (ar perforon)	11. (10) 11.	SE OF WATER, Comession Town D. Industry GONSTRUCTION G TYPE (or marked) Taraky, conte, conte, driven, driven
86'6"	308 SING SIZ	Cray Shale AD 3X18 3JOH (mont) (mont) (mont) (mont) SCREEN (or perforot) (mont) (mo	11. (10) 11.	SE OF WATER, Comession Town D. Industry GONSTRUCTION G TYPE (or maroun) Totally, coole, Conf., driven, ATE: Storted P. 20 2 40. COROCK at 2 11.
86'6"	308 SING SIZ	Cray Shale AD SIE SIOH (mon) (mon) (mon) SCREEN (at perforo) (mon) (mon) (mon) SCREEN (at perforo) (mon) (mon) (mon)	11. (10) 11.	GONSTRUCTION GONSTRUCTION GTYPE (or maroud) ATE: Storted F 20 2 40. OTAL DEPTH 200 41. CDROCK at 2 1t GROUTING, INFORMATION
86'6"	308 SING SIZ	Cray Shale AD 3218 319H (croin) (non) (non) (non) SCREEN (or perform) (non) (non) PUMP (installad) (com) (non) (non) (non)	11. (10) 11. 11. (10) 11. 12. Form © Public © 11. 12. 12. 14.	SE OF WATER, Comession Town El Industry GONSTRUCTION GIVE (comessed) ATE: Started F-20 / 20; Complete OTAL DEPTH 200 / 41. EDROCK at Z It GROUTING, INFORMATION ETHOD USED (SYZVIT) COULTING MATERIAL
86'6"	308 SING SIZ	Cray Shale AD 3218 319H (croin) (non) (non) (non) SCREEN (or perform) (non) (non) PUMP (installad) (com) (non) (non) (non)	11. (10) 11. 11. (10) 11. 12. Form © Public © 11. 12. 12. 14.	SE OF WATER, Coments of Lown El Industry GONSTRUCTION GONSTRUCTION GONSTRUCTION Totals construction Totals construct Conplete Conplete Conplete Conplete Conplete Conplete Conplete Conplete Convert
86'6"	8666 250 28 212 31146 S12 (from)	Cray Shale Cray Shale (dism) Item) (to) (dism) SCREEN (or perforo) (oran) (tron) (tron) PUMP (Installab) PP (Installab)	11. (10) 11. It form to Probile to 9-20-60 F. H. F. Causst.	SE OF WATER, Coments of Town Edinates GONSTRUCTION GONSTRUCTION GONSTRUCTION ATE: Storted F-20 & & OTAL DEPTH 200 At. EDROCK of Z It GROUTING INFORMATION ROUTING MATERIAL CELLS OF CHARLES EPTH OF GROUTING 20 (Man) EPTH OF GROUTING 20 (Man)
86'6"	8666 250 28 212 31146 S12 (from)	Cray Shale Cray Shale (dism) Item) (to) (dism) SCREEN (or perforo) (oran) (tron) (tron) PUMP (Installab) PP (Installab)	11. (10) 11. It form to Probile to 9-20-60 F. H. F. Causst.	SE OF WATER, Coments of Town Edinates GONSTRUCTION GONSTRUCTION GONSTRUCTION ATE: Storted F-20 & & OTAL DEPTH 200 At. EDROCK of Z It GROUTING INFORMATION ROUTING MATERIAL CELLS OF CHARLES EPTH OF GROUTING 20 (Man) EPTH OF GROUTING 20 (Man)
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86'6"	8666 250 28 212 31146 S12 (from)	Cray Shale A3 3ZIE 3LOH (Moom) (Irom) (10) Coron SCREEN (ar perforo) (Moom) (Irom) (A) Coron (A) Coron (A) PUMP (Installad) PUMP (Installad) PUMP (Installad)	11. (10) 11. It form to Probile to 9-20-60 F. H. F. Causst.	SE OF WATER, Coments of Town Edinates GONSTRUCTION GONSTRUCTION GONSTRUCTION ATE: Storted F-20 & & OTAL DEPTH 200 At. EDROCK of Z It GROUTING INFORMATION ROUTING MATERIAL CELLS OF CHARLES EPTH OF GROUTING 20 (Man) EPTH OF GROUTING 20 (Man)
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86'6"	8666 250 28 212 31146 S12 (from)	Cray Shale A3 3ZIE 3LOH (Moom) (Irom) (10) Coron SCREEN (ar perforo) (Moom) (Irom) (A) Coron (A) Coron (A) PUMP (Installad) PUMP (Installad) PUMP (Installad)	11. (10) 11. It form to Probile to 9-20-60 F. H. F. Causst.	SE OF WATER, Coments of Town Edinates GONSTRUCTION GONSTRUCTION GONSTRUCTION ATE: Storted F-20 & & OTAL DEPTH 200 At. EDROCK of Z It GROUTING INFORMATION ROUTING MATERIAL CELLS OF CHARLES EPTH OF GROUTING 20 (Man) EPTH OF GROUTING 20 (Man)
86'6"	8666 250 28 212 31146 S12 (from)	Cray Shale AD 3ZIE 3LOH (Mom) (Mom) (Mom) Coom SCREEN (or perforo) (Mom) (Mom) (Mom) (Mom) (Mom) (Mom) PUMP (Instituted)	11. (10) 11. It form to Probile to 9-20-60 F. H. F. Causst.	SE OF WATER, Comession Town D. Industry GONSTRUCTION GONSTRUCTION GONSTRUCTION ATE: Stortled P-20
86'6"	SG 6 280 280 280 280 280 280 280 280 280 280	Cray Shale AD 3ZIE 3LOH (Mom) (Mom) (Mom) Coom SCREEN (or perforo) (Mom) (Mom) (Mom) (Mom) (Mom) (Mom) PUMP (Instituted)	11. (10) 11. It form to Probile to 9-20-60 F. H. F. Causst.	SE OF WATER, Comession Town Editions of TYPE (comessed) Form, Cone, Cone