COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

C lottesville, VA 22903

Bc 3667

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

McCormick Road Charlottesville, Virginia

OFFICE ADDRESS:

OWNER: USAR Reserve Center	Mailing Address:	79 NOF
TENANT:		01 0
	7510 9U13	10 20 20 40
	Brown sand and share and agree of sangle and coarse shell and feet frage sangle and coarse shell and coarse	Off OAT (direction) of
Churchland and	feet (direction) of -	320 370
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM COUNTY HIGHWAY OR OTHER MAP.)	TWO REFERENCE POINTS - ROADS, TOWNS,	
DATE STARTED: 6/26/72	DATE COMPLETED: 6/30/72	560 560
TYPE OF DRILL RIG USED:	TOTAL DEPTH	602 feet
WATER LEVEL: Stands 60 feet below	surface <u>CR</u>	
has <u>NATURAL</u> flow of_	gallons per minute.	
YIELD TEST: Method	HOLE SIZE: 6-7/8 inches from _	0 to 602 feet
Drawdown10feet	inches from _	tofeet
Rate 32 gal. per min.	inches from _	tofeet
Durationhrs.,min.	SCREEN SIZE: 4inches from	592 to 602 feet
WATER ZONES: fromtofeet	inches from_	tofeet
fromfeet	inches from _	tofeet
fromfeet	CASE SIZE: 4 inches from_	0 to 592 feet
WATER: ColorTaste	inches from_	tofeet
Odor°F	inches from_	tofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method	
Farm Town School	Material <u>Cement</u> De	pth 50 feet
IndustryOtherX	PUMP: Type Submersible -	Jacuzzi
WATER ANALYSIS AVAILABLE:YesNo	Capacity32	gal. per min
DRILL CUTTINGS SAVED: Yes X No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH		SHIPPED TO THIS
ARKS:		

FURNISHED BY: R. L. Magette Co.

DATE:____

To Gravel, clay, etc., hardness, color, etc.) (water, caving, shot, screen, sample, clay Colors Color	DEPTH (feet)	TYPE OF ROCK OR SOIL PER	NETRATED REMARKS
10 20 40 Brown sand and shell Coarse shell and fine blue gray sand Coarse shell and blue clay w/black sand Stot blue clay and coarse shell and black sand Stot blue clay and coarse shell and black sand Stot blue clay w/coarse shell and black sand Multi colored clay w/pebble and some medium sand Coarse gray sand Stot blue		(gravel, clay, etc., hardness, c	color, etc.) (water, caving, shot, screen, sample, etc.)
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ER LEVEL December December Company Co	503	41930 34101	
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TEST ADDRESS 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 1		ationing two growing	
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(Use additional forms if necessary)

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

INTERVAL SHEET

				12	INTERVAL SHEET			0-170		
Page	1	of	1			Well Repositor	y No.:	C-172 W-3610		
Date re	c'd:	10/2/72	Date	Processed:	10/17/72	Sample Interva	al: from	n 0	to:	600
PROPERT	Υ:	U. S. Ar	rmy Rese	erve Center		Number of samp	oles:	60		
COMPANY	:	R. L. Ma	gette (Co.		Total Depth:		600'		
COUNTY:		Norfolk	(Church	hland)		Oil or Gas:	Water:	χ Explo	rato	cy:
From	-To		From-	То	From-To	From-To		From-To)	
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All intervals have both washed and unwashed samples.

OWNER: US Army Reserve Centre
DRILLER: Magette
COUNTY: Norfolk (Grt. Bridge)

W # 3610 C # 172

TOTAL DEPTH - 602' QUAD - Bowers Hill ELEV - 25'

DEPTH (FEET)			WELL LOG
0-20	Sand	15 - 3:	grayish orange (10YR 7/4); medium to granule, subangular, moderately well sorted; 5% shell fragments.
20-30	Sand		light olive gray; abundant clay; fine to coarse, subangular, moderately sorted.
30-50	Sand	· - 2	pale yellowish brown (10YR 6/2); fine to very coarse, subangular, moderately sorted; 5% phosphate fragments; 3% shell fragments at 40-50'; rose quartz; feldspar.
50-60	Sand	a - a	light and dark gray; 50% fine shell fragments - Mulinia, Opalia, Turritella, Crepidula, Policines, Dentalium; sparse clay; fine to very coarse, subangular, moderately sorted; echinoid plates; 5% phosphate fragments; forams - Quinqueloculina.
60-90	Sand	1 188 1 1	light and dark gray; 60% shell fragments - bryozoa, Yoldia, snail, Phacoides, sponge; sparse clay; fine to very coarse, subangular, moderately sorted; echinoid plates and spines; forams - Discorbis, Eponides, Nonion; ostracod.
90-100	Sand, Shelly	Ē,	light and dark gray; 50% shell fragments; sparse clay; fine to granule, subangular, poor sorting; echinoid spines and plates; 5% glauconite; forams; ostracods.
100-110	Sand	-	light olive gray; very fine to very coarse, subangular, moderately sorted; echinoid spines and plates; 5% glauconite; 40% shell fragments; forams - Discorbis, Nonion.
110-120	Sand, Glauconitic	-	light and dark gray; 50% glauconite; very sparse clay; very fine to coarse, subangular, moderately sorted; 30% shell fragments; forams.

DEPTH (FEET)			WELL LOG
120-150	Sand, Shelly	-	light and dark gray; 70% shell fragments - Venicardia; very sparse to sparse clay; very fine to very coarse, subangular, moderately sorted; 23% glauconite; madreporite; forams.
150-160	Sand	-	light and dark gray; moderate clay; very fine to very coarse, subangular, moderately sorted; 25% glauconite; 10% shell fragments.
160-190	Sand		light olive gray; moderate to abundant clay; fine to coarse, subangular, moderate to moderately well sorted; 5-15% glauconite; 1-10% shell fragments - oyster, Turritella.
190-210	Sand	=	light and dark gray; sparse to moderate clay; fine to medium, subangular, moderate sorting; 20-25% glauconite; 15-20% fine shell fragments - Turritella.
210-220	Sand	-	light olive gray; sparse clay; fine to coarse, subangular, moderately sorted; 20% glauconite; 10% shell fragments.
220-250	Sand	-	light olive gray; sparse to moderate clay; fine to very coarse, subangular, moderate sorting; 8-10% glauconite; 5-10% shell fragments.
250-310	Sand	=	light olive gray; abundant clay; very fine to coarse, subangular, moderately well sorted; 3-5% glauconite; 1-5% shell fragments - Dentalium; forams.
310-380	Sand	-	light olive gray; moderate to abundant clay; very fine to coarse, subangular, moderately well sorted; few to 5% each glauconite and shell fragments; forams - Nonion; mica.
380-530	Sand, Glauconitic	-	light and dark green; 50-60% glauconite; moderate to abundant clay; fine to very coarse, subangular and subrounded, poor sorting; few - 10% shell fragments; iron oxide; shark tooth; forams - Robulus, Nonion; mica at 450-460'.

DEPTH (FEET)			WELL LOG
530-540	Sand	2-1	light olive gray; abundant clay; fine to very coarse; subangular to subrounded, poor sorting; 40% glauconite; 1% shell fragments; shark tooth; mica.
540-550	Sand	-	light and dark gray; 50% glauconite; sparse clay; fine to pebble, subangular to subrounded, poor sorting; feldspar.
550-560	No sample.		
560-570	Sand	-	light and dark gray; sparse clay; fine to pebble, subangular to subrounded, poor sorting; 40% glauconite; feldspar; shark tooth; rock fragments; mica.
570-590	Sand	-	light olive gray (5Y 6/1); sparse clay and sandstone rock fragments at 570-580'; fine to coarse, subangular and angular, moderately sorted; 3-20% glauconite; feldspar; mica.
590-602	Sand	e e e e e e e e e e e e e e e e e e e	light olive gray (5Y 6/1); fine to granule, subangular and subrounded, moderately sorted; rose quartz; feldspar.

Logged by:

J. K. Polzin Feb., 1981

R. L. MAGETTE COMPANY

Water Supply Contractor - Smithfield, Virginia

Date Drilling Started June 26 , 1972 Date Started , 19 Finished Drilling ,19 Finished June 30 19 72											
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ASTRUMENT		14-0-15	FO	RMATION AND DEPTH OF WELL			DEN	MENSIC	NS OF CASI	NG AND	SCREEN
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0	-	10		White and yellow sand							
10	_	20)	Blue Clay							
20	-	40)	Brown sand and shell							100
40		11	0	Course shell and fine bluegra	y sand	U.S.					
110) <u>-</u>	14	0	Gourse shell and blue clay w/	black	sand					
140) -	32	0	Soft blue clay and course she	11						特別
320)	- 37	0	Blue clay and course shell							
370		- 54	0	Soft blue clay w.course shell	and b	lack	san	d	1000		
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R. L. MAGETTE COMPANY Water Supply Contractor — Smithfield, Virginia

LOG OF WELL For USAR RESERVE	CENTER			
Located at CHURCHLAND	_in		County, State VIRGINIA	
Date Drilling Started June 26, 19	72, 19	Date Started		19
Finished Drilling	,19	Finished	June 30, 1972	_ 19

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4" casing	() () () () () () () () () ()		10/3		W-3610
-28-					
				30	WELL DATA:
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					Date Tested 7-3 1972 Static Level 60
Backfill					Production 100 GPM Pumping Level
					Permanent Test
					Date Tested 7-10 19 72 Static Level 60
				7	Production 321 GPM Active St. Level
				p)	Draw Down 10 Pumping Level 70
					Remarks:
		77.0			
					PUMP DATA:
					Shop No. 5 S 4 x 47 Type Lumber
					Type Head Size Suction
			100		Depth Setting 105 (BP to MB)
	/ 1	======		4.	Size Column 2" Length Suction
Water producin	g Sand/		1.		Type Bowl Length Air Line
			1000	,07	No. Stages 17 Discharge-
Screen	·				Cap'y, and Head 32 gpm Pressure 50
					MOTOR DATA:
Plug					Horse Power 5 Voltage 230
			1		RPM 1750 Phase 1
					Type Sub. Cycles 60
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