Sheet No PROP: FORT MONROE ELL NO. 317 YEAR: 1869 COUNTY: ELIZABETH CITY VDMR WELL NO: 160 FROM: TO:		VDMR WELL NO. 0160			
		Sample Interval 3907901			
			epth 907	_ (3)	
		OilGasWater_Exploratory Cuttings_CoreOther SEE Water Supply Paper 136 1p. 225 and Bulletion #5 p. 302			
From-To UNWASHED SAMPLES	From-To WASHEDY FLOATED SAMPLES	From-To	From-To	From-To	
390-	570-577			-	
430-	801-815	-		er er Enderser	
504-518			-	-	
558 -		-			
583-	-				
270-	-				
804-628					
669-670	-	- T			
698-					
782-815			-		
835-					
863-877			-		
870-					
877					
885-		-	-		
890-		•			
00-		-			
901-			-		

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WWCR-#3 VDMR-#160

) WATER WELL CO	MPLETION REPORT	879	
OWNER: U. S. Government	Mailing Address Fort Monroe	01	MORT
TENANT:			
	Mailing Address: Line Marksh		
WELL LOCATION: County Elizabeth City	Approx.	ft. miles	3.6
(direction) of Fort Monroe Norfolk-News	port Area ft miles of	405	3-
(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	bus bus bote sphere can		Op.
Table 10 Take DEPTHOL of The Lost	Miscene mark		45
STATIC WATER LEVEL 3' above tide-saline			
WATER ZONES (fissures or formations supplying water)	North and detailed the st		-
(feore) (to) (from) (to)	Sand, bassish-gray, mixed t Same, fragments of shell t		245
(gray sand) (to) (from) (to)	harder		202
QUANTITY OF WATER	Softer, marl, sky hlue		270
WELL PUMPED (or bailed) atGal. per Min. with			
feet DRAWDOWN afterHOURS PUMPING.			
FLOW (natural)G.P.M. HEADft. (above groun	d) W		E
REMARKS:	deposits were 224 feet		
	ness."		
QUALITY OF WATER			
COLOR TASTE			
ODOROTHER			
TEMPERATURE "Very saline" WATER (from) ft. (to) (salt, brackish, iron, sulfur,acid, other) USE OF WATER: Domestic Town Industry Farm Public	s.	4	
CONSTRUCTION	HOLE SIZE CAS	ING SIZE	
RIG TYPE (or method) (rotary, cable, bored, driven, etc)	(diam) (from) (to) (diam) in ft ft	(from)	(to)
DATE: Started 1845 & 1864; Completed 1869 (aband	oned) — — — — —		
TOTAL DEPTH 907 ft.	SCREEN (or perforation	nel	
BEDROCK atft.	(diam.) (from) (to) (d	pening size)	
GROUTING INFORMATION			
METHOD USED	PUMP (installed)		
GROUTING MATERIAL	TYPE Cap. (gpm)		
DEPTH OF GROUTING	H.P Depth of intake		ft
REMARKS: First deep boring in Tidewater Vir			
Atlantic Coastal Plain. Begun to o	btain a supply to supplant or s	upplemen	t the
cistern water used at the post. We	ll a practical failure but was	of decid	ed valu
to science.			
Gave first information on the total deposits in Virginia.	thickness far under cover of M	locene a	nd Eoce
	Log of w	ell (over)	
		and report	

DATE:

DEPTH TYPE OF SOIL OR ROCK PENETRATED		TYPE OF SOIL OR ROCK PENETRATED	REMARKS
FROM	ТО	(gravel, clay, etc., hardness, color, etc)	(water, caving, shot, screen, sample, etc.)
		103300 20006	ENANT
0	$5\frac{1}{2}$	Marsh soil	
51/2	18	Sand, fine clean, dark	WES diselect
18	28	Sand, angular, light-colored, con-	taining (
		coarse sand, round pebbles and muc	
28	40	Sand and mud, different layers	
40	45	Some stone, sand and mud	ENGITIONDO HATANH
45	245	Miocene marl	(The lowest layer of the last
		The second secon	
			next hard stone full of shells
245	261	Sand, bluish-gray, mixed with mud	THE STATE OF
261	270	Same, fragments of shell marl, sto	one
		harder	(dray sand)
270	313	Softer, marl, sky blue	RETAM TO YTTHAUD
		This all the state of the state	
		BMPMUP	
		NOTE: "fossil shells or continuous man	rine ONEN MASS (pruten) WO.
		deposits were 224 feet in thick	k=RMAMI
		ness."	
			RETAW TO YTHEO
			NUOR TASTE
			R00
			VALYSIS AVAILABLES VALO WORD STYRCHED YES ONE
			TRITTAGOGUS
			Very selinewarenn
		Betterf Clare	SE OF WOTER, Semestic D. Front 12, 17 and 12, 17
	He SIZE	NOLE SIZE CAS	ROITOURTEMOS
	(#1011)	(mola) (mola) (mola)	Commence of the contract of th
		(benobnada)	1865 (complete) 1865 8 1864 (complete)
		ALL SALVE DAY WEIGHAN	MAL DEPTH 907 (1
	(Kale primes)	interrolling to MESSOC (rest)	
and the			DROOK offt
		Tactas 9009	GROUTHY INFORMATION
	217	And the second s	THE USED LIST THE STATE OF THE
		Copy (ggm)COpy (ggm)	COUTING MATERIAL
		glatoi to diged Subject intolog	PTH OF GROUTING
A 10	Tales (Am	of the large of the base single of the	MANUEL PRESENCED POPERSON STRAMS
ary last	Fact Toll	dun to obtain a supply to supplant or s	MG *#FFTA 1893801 31348138
A DO	220W 10	est bud exulisi legitosi a lisk .lae	
80 Ish	Arrest I	he total thickness far under cover of M	to science.
		THE STATE AND AND SOUTH AND US THE	. sinipriv ni esieseb
			The state of the s
	TO THE REAL PROPERTY.	in to par	