COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

Box 3667

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road rlottesville, VA 22903 WATER WELL COMPLETION REPORT Charlottesville, Virginia

RECORDER OF THE PROPERTY OF TH	
OWNER:American Central Corporation	Mailing Address:c/o Jon Roan 7448 Idlewood Road
TENANT: Bay Quarter Shores #2	Mailing Address Falls Church, Virginia 22043
DRILLER: Douglas Drilling Co., Inc. Valo day base	Mailing Address: Box 498, Warsaw, VA. 22572
WELL LOCATION: County Northumberland intersection of State Routes 751 & 1403 at Bay Q	Approx. 300 feet NE (direction) of
intersection of State Routes 751 & 1403 at Bay Q	uarter. 130 024 xorqqs 030 xorqqs 030
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	NO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED:	DATE COMPLETED: 24 December 1976
	TOTAL DEPTH 649 feet
WATER LEVEL: Stands 19011 feet below 152	
	gallons per minute.ATOT
YIELD TEST: Method 15 HP test pump 10 11 83	HOLE SIZE: 11½ inches from 0 to 50 feet
nozaredon Drawdownond of 92 row feet staylans [sormers not not 8½ inches from 50 to 306 feet
Rate 213 gal. per min.	5 7/8 inches from 306 to 649 feet
o Owner, and Va. Health Dant., Duration 48 hrs., min., earlest on	SCREEN SIZE: 3 inches from 623 to 643 feet
WATER ZONES: from 623 to 643 feet	inches fromtofeet
fromfeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 inches from 0 306 feet
WATER: ColorTaste	STANDARD SCHEDULE 3 inches from 297 to 623 feet
Odor	40 BLACK T&C 3 inches from 643 to 649 feet
WELL TO SUPPLY: (check one) Home	GROUTING: Method tremmie pipe
FarmTownSchool	Material neat cement Depth 50 feet
IndustryOther_Subdivision	PUMP: Type submersible
	Capacity 213 gal. per min
WATER ANALYSIS AVAILABLE: YesNo	
DRILL CUTTINGS SAVED: YesNO (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	D FREE OF CHARGE UPON REQUEST)
R ARKS: This is a CLASS II TYPE B Well of mat	erials and construction as per specifications
of Virginia Health Department publication "Drille	d Wells for Public Water Supply" dated 9 Feb. 19
Drill Cutting Samples delivered to VSWCB, Water S	Sample for chemical analysis delivered to
Froehling & Robertson test laboratory, and copies	of this report sent to VHDBSE and Owner.

FURNISHED BY:______DATE:_____

	et)	TYPE OF ROCK OR SOIL PENETRATED		REMARKS		
FROM	botosib	SAAT (gravel, clay,	etc., hardness, color, etc.)	(water, caving, shot, screen, sample, etc.		
13	nia 220	alls Church, Virg	Manne Addess	FNAMT Bay Quarter Shores #2		
0'	approx.	10' tan/orang	ge fine sand with cl	lay binder, lens of white sand		
10'	approx.	60' grey	fine sand with cl			
60'	approx.	250' blue/grey		aying % clay binder, shell, and sand		
250'	approx.			aryling % clay binder, shell, and san		
330'	approx.		fine sand, green	rocky shell bed with varying % sand		
410'	approx.	500' blue/gray		aryling % black sandy clay binder,		
500'	annmay	FOO! black	black sand, a			
500	approx.	The second second		sand with varying % black sandy		
590	approx.	620' green/whi	clay binder ite fine sand, medium clay binder	n and coarse sand with green/white		
620'	approx.	645' white		n and coarse sands. SCREEN		
645'	approx.	649' grey	fine sand with cl			
		TOTAL DEPTH 649	231083 le wall	A STATE OF THE STA		
u 11) (Drill Cuttings de	elivered to VSWCB Richmond	office with this report.		
a d	08 00	Water Sample gall	lon for chemical analysis of	delivered to Froehling & Robertson		
	V 110-20	testing labor		de livered to Proenting a Robertson		
	16 IN 64	E man summer about	acory:	213		
	En	Copy of this repo	ort delivered to Owner, and	d Va. Health Dept., Bureau of		
1010		Sanitary Engi	ineering, Richmond Office.	ere and OP re-furall		
				1		
				KA23 KA		
011				ATER ZONUS From 623 W 64		
991	0 I	most sense		ATER ZONES v.e 623 v. 64		
0.91 0.91	010	most sedan		ATER ZONES ver. 623 vs. 64		
90	or 8 or 0	- 100 1 89H 20L		ATER ZONES View 623 view 64		
06 122	0 0	ment sense		ATER ZONES v.ev. 623 vv 64 tron		
23 100	0 3	most estre. 5 esten fram. 3 esten fram.	STANDARD STANDARD SCHEDULE	ATER ZONES ver. 623 vs. 64 tron tron tron tron tron tron tron tro		
00 1 2 3 1 2	0 3 297 6	schen from	SASE SIZE STANDARD SCHEDULE 40 BLACK	ATER ZONES FOR 623 W 64 Iron From From From From From From From From		
991 23 1991 24			STANDARD STANDARD SCHEDULE 40 BLACK T&C	noni orani noni noni noni noni noni noni noni noni		
00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pápe	Asins tremmi	STANDARD STANDARD SCHEDULE 40 BLACK T&C BROWTING	noni o' rani oi ana Tampi :A BTA		
001 00 001 00 001 00 001 00 001 00		neat cement ca	STANDARD STANDARD SCHEDULE 40 BLACK TRC GROWTING WILLIAM	Daor Temp Home ELL TO SUPPLY lines one) Home Form		
001 000 000 000 000 000 000 000 000 000	pápe	Asins tremmi	STANDARD STANDARD SCHEDULE 40 BLACK TRC GROWTING WILLIAM	non) man man man man man man man m		
23 100 1	pápe	neat cement ca	STANDARD STANDARD SCHEDULE SCHEDULE 40 BLACK TAC GROUTING WALLS COLUMN P	Dani Tempi - Tompi - T		
0.87 0.87	pópe str. 50	tremmineat cement on submersible	STANDARD STANDARD STANDARD SCHEDULE 40 BLACK TRC GROWTING WELLING	Part FR: (mgr		
001 000 000 000 000 000 000 000 000 000	pope 50	tremmineat cement serves submersible	STANDARD STANDARD STANDARD SCHEDULE AO BLACK TISC ON PUMP!	TATER: Congr		
Day	pópe sir. 50 serece r	tremmineat cement as submersible as 213	CON PUMPS THESE	Temp Deci		
Test to the second of the seco	pope secrete	tremmineat cement of submersible specific submersible specific submersible specific	CON PUMP. STANDARD STANDARD SCHEDULE 40 BLACK TACK OR TACK OR THESE WEIT OF Materials and cons	THE RECEIPT TO SUPPLY STAND THE CONTROL OF THE CONT		
Test to the second of the seco	pope 50 280 280 secret specifica	tremminest cement of submersible control of s	CASE SIZE STANDARD STANDARD SCHEDULE SCHEDULE 40 BLACK TAC GROUTING WELLOW PUMP. On Pump Stand constitution of materials and constitution "Drilled Wells for Publicion "Drilled Wells for Pub	This is a CLASS II TYPE, But in a publicate to the contract of		
per and the second seco	pope 50 280 280 specifical dated 9	tremminest cement of submersible submersible specification as per total analysis del	STANDARD STANDARD SCHEDULE SCHEDULE 40 BLACK TACC OR PUMP OR REPLIES WELLE WEL	TER ANALYS SAVED TO SUPPLY Senses and sees Senses THIS IS A CLASS II TYPE B Virginia Health Department publicat Ill Cutting Samples delivered to VSV		
per and the second seco	pope 50 280 280 specifical dated 9	tremminest cement of submersible submersible specification as per total analysis del	STANDARD STANDARD SCHEDULE SCHEDULE 40 BLACK TACC OR PUMP OR REPLIES WELLE WEL	TER ATACYS S ACSISES FOR AND		

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

INTERVAL SHEET

Page of 1 Well Repository No.: W- 4775

162

Date rec'd: 1/11/77 Date Processed: 6/22/77

Sample Interval: from 0

to: 649

PROPERTY: American Central Corp. (Bay Quarters Shores #2)

Number of samples: 62

COMPANY: Douglas Drilling Co.

Total Depth: 6491

COUNTY: Northumberland (Middletons Corner) Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10 10-21 21-31 31-42 42-52	314-324 324-335 335-345 345-356 356-366	629-639 639-649 - -	- - - -	-
52-63 63-73 73-84 84-94 94-105	366-377 377-387 387-398 398-408 408-419	- - - -	- - - -	- - - -
105-115 115-125 126-136 136-147 147-157	419-429 429-440 440-450 450-461 461-471	- - - -	- - - -	- - - -
157-165 165-178 178-189 189-199 199-210	471-482 482-492 492-503 503-513 513-524		- - - - -	- - - -
210-220 220-231 231-241 241-252 252-262	524-534 534-545 545-555 555-566 566-576		- - - -	- - -
262-273 273-283 283-294 294-304 304-214	576 -587 587 -597 597 -608 608 -618 618 -629	= = = = = = = = = = = = = = = = = = = =	- - - -	- - - -

Washed & unwashed samples.

W# 4775 C# 162 Total Depth: 649' Quad: Heathsville Elev: 25' Owner: American Central Corp.
Driller: Douglas Drilling
County: Northumberland (Sunny Bank)

Depth (feet)	WELL LOG
0-10	Sand - Dusky yellow (5y 6/4); moderate clay; medium to coarse, subangular, poorly sorted; Lignite.
10-20	Sand - Dusky yellowish (5y 6/4); moderate clay; medium to granule with some pebbles, subangular and rounded, poorly sorted; Lignite.
21-31	Clay - Light olive gray (5y 6/1); abundant sand; fine to medium, subangular, poorly sorted; wood fragments; mica.
31-63	Clay - Light olive gray (5y 5/2); sparse sand; fine to medium, subangular, poorly sorted; mica.
63-94	Clay - Light olive gray (5y 5/2); abundant sand; fine to medium, subangular, well sorted; mica.
94-126	Clay - Light olive gray (5y 5/1); abundant sand, fine to medium, subangular, well sorted; mica, 94-105'sparse mica.
126-157	Sand - Light olive gray (5y 5/1); abundant clay; fine to medium, subangular, well sorted; mica; very rare shell fragments at 126-147'.
157-189	Clay - Light olive gray (5y 5/1); abundant sand, fine to medium, subangular, well sorted.
189-210	Clay - Light olive gray (5y $6/1$); abundant sand; fine to medium, subangular, well sorted.
210-231	Clay - Light olive gray (5y $6/1$); abundant sand; medium to coarse, subangular, moderate sorting.
231-294	Clay - Light olive gray (5y $6/1$); abundant sand; medium to fine, subangular, moderate sorting.
294-335	Sand - Light olive gray (5y 6/1); abundant clay; fine to coarse, subangular, moderate; 5% large shell fragments; 324-335'sparse clay with few glauconite grains.
335-345	Limestone - Light olive gray (5y 6/1); bioclastic lime stone with a few grains glauconite and sand; shell imprints.
345-356	Sand - Light olive gray (5y 6/1); fine to granule, subangular, poor sorting; very rare glauconite; 40% shell fragments.

Owner: Page 2	American Central Corp.	W# 4775 C# 162			
Depth (feet)					
356-366	6-366 Limestone - Light olive gray (5y 6/1); bioclastic; abundant sand, shell fragment and few glauconite grains.				
366-398	Gravel, Shell - Light olive gray very sparse clay; sand, fine to g poorly sorted; 2% glauconite, bro	ranule with few pebbles, subangular,			
398-408	Gravel, Shell - Light olive gray (5y 6/1); 60% shell fragments finely ground; sand, fine to granule, subangular, poorly sorted; 30% glauconite; Ostracods.				
408-419	Gravels - Light and dark brown; fin rounded; poorly sorted; 40% glauc fragments, clay coated.				
419-429	Sand, Glauconitic - Light and Dar and brown, medium grained; very s fine to pebble, subangular and ro	parse clay; moderate sand,			
429-440	Gravel, Shell - Light olive gray very sparse clay; fine to very co 30% glauconite, green and brown.				
440-461	Sand, Glauconitic - Olive gray (5 sparse clay; sparse sand; fine to subangular, rounded; poorly sorte	very coarse with some pebbles,			
461-482	Sand, Glauconite - Greenish black sparse clay; very sparse sand; fi poorly sorted; Foram-Marginulina,	ne toovery coarse, subangular,			
482-492	Clay - Light olive gray (5y 6/1); coarse, subangular, poorly sorted	sparse sand; fine to very; 30% glauconite; mica.			
492-503	No Sample.				
503-523	Clay - Light olive gray (5y 6/1); coarse, subangular, poorly sorted glauconite; mica.				
524-534	Clay - Light olive gray (5y 4/1); coarse, subangular, poorly sorted Robulus; mica.				
534-545	No Sample.				

Owner: Page 3	American Central Corp.		4775 162
Depth (feet)			
545-566	Sand, Glauconitic - Light and dark green; 609 sparse sand; fine to very coarse, subangular, shell fragments — Bryozoa; Forams-Nodosaria.		
566-576	Sand, Glauconitic - Light and dark green; 509 sparse sand; abundant clay; fine to very coar poorly sorted; very rare shell fragments-Brye	rse	, subangular,
576-586	Sand, Glauconitic - Olive gray (5y 3/1); 80% clay; sparse sand; fine to granule, subangula 1% shell fragments - Bryozoa; Forams.		
587-597	Sand - Light olive gray (5y 6/1); abundant come pebbles, subangular, moderate sorting; mica.		
597-608	Sand - Light Olive gray (5y 6/1); moderate c subangular, poorly sorted; 3% glauconite; ga		
608-639	Sand - Light olive gray (5y 6/1); sparse to fine to granule, subangular, angular, poorly glauconite; garnet; feldspar.		
639-649	Sand - Light olive gray (5y 6/1); moderate c medium, subangular, well sorted; very rare g feldspar; garnet.	lay lau	; fine to conite; mica;

Logged by: J. K. Polzin August 29, 1980