		C The I	ASS	OCI ts in the t Pepper C al Evaluati ro, DE		Date Started Date Completed Logged by Weather Driffer/Agency	: December 2, 2005		Dr Dr Su No	WELL 212418 illing Equipme illing Methods inface Elevation withing	nt : AT : 4.2 n : 19. : 63,	(Page 1 of 2) V-mounted CME 55:5" H.S.A. 0 feet 562 U.S. Meters DE 3,319 U.S. Meters DE	SPC N	AD 83	3
Depth in feet	Surf. Elev. 19.0 ft	GRAPHIC	nscs	Adsu	Sample Condition Remolded		Water Levels During Drilling IPTION	SAMPLES	Sample Number	Blows per 6 inches	Recovery (ft)	Well Construction Details	WATER LEVEL	Obser We 212	-
2-	18.7	-			SAND, trace of (dry)].	oarse sand, tra	brown fine to medium ace organics, trace to no silt to medium SAND, trace).		1A 1B	1-1-1-2	1.8	2" Schedule 40 PVC Solid -			
4- - - - - 6-			SP	S	SAME, trace or staining from 4	parse sand (10 .0 to 4.9 feet +	YR 6/8 brownish yellow /-, spaced 0.2 feet).		3	2-3-3-3	1.4	Well Casing			
- - 8					sample).	prownish yellow	staining near top of	\bigvee	4	3-3-4-4	1.9	Cement/ Bentonite — Grout			
10-	10.5 10.2 8.7		SM SP-SM	LS/SL LS/S	medium SAND 5Y 6/6 olive yel fine sand, trace shoe).	trace to little : low medium to silt (some silt,	ilight clive brown fine to silt. trace coarse sand (dry). coarse SAND, little to some trace pebbles/granules in coarse SAND, trace to little		5A 5B 5C	3-4-5-7 7-5-6-6	2.0				
-	8.2		SM SP-SM	SL LS/S	2.5Y 6/6 olive y trace fine sand, 5Y 7/4 pale yell	ellow medium , trace granule: low very fine to (coarsening do	to coarse SAND, little silt, s (damp). of fine SAND, trace medium own to medium to coarse		6B 6C	ļ					ļ
12-	7.0		SP-SM	LS/S	fine to medium	SAND, trace of	e yellow, 2.5Y 7/8 yellow xarse sand, trace silt (lense 2.7 feet +/-) (dry to damp).	\bigvee	7	3-6-7-7	1.7				6.0
NOTE 1. Te 2. So 3. W	est borin ome top et-on-sc	soil rem	noved for p	revious de H-: water k	evel within the auger	, •	.). and Split-Barrel 7. Soil description:	Sampli s perfor	ing (ASTN med in ge	1 D 1586). eneral accorda	nce with AS	the Method for Pene TM D 2488, the Pracedure).			

Fest boring terminated at 25.0 feet +/- below existing ground surface (b.e.g.s.).
 Some topsoil removed for previous clearing.
 Wet-on-spoon at 16.5 feet +/- water level within the augers at 17.9 feet +/- with the bottom of the augers at 18.0 feet +/- b.e.g.s.
 Observation Well MW-1 (DNREC ID 212418) installed upon completion.
 Auger boring performed in general accordance with ASTM D 1452.



Consultants in the Geosciences

OBSERVATION WELL OB-1

Permit No : 212418

(Page 2 of 2)

The Landings at Pepper Creek Hydrogeological Evaluation Dagsboro, DE

Date Started Date Completed

: December 2, 2005 : December 2, 2005 Dritting Equipment **Orilling Methods**

: ATV-mounted CME 55

Logged by

: JSD

Surface Elevation

: 4.25" H.S.A. : 19.0 feet

6143.YC

Weather Driller/Aceccy

: Suriny, Windy, 40's : G Truver Sr. Walton Corp. Northing Facting

: 63,562 U.S. Meters DE SPC NAD 83 · 219 210 LLC Mater DE CDC MAD 02

	" ' ' 			,	<u>,</u>	Driller/Agency	: G Truver Sr./Walton Corp		Easting		: 218,319 U.S. Meters DE		SPC	NAD 83		
					Sample Condition Remoided	1	Water Levels During D	rillng						LEVEL	Observa Well 21241	
Depth in feet	Surf. Elev. 19.0 ft	GRAPHIC	SOSO	NSDA		DESCR	RIPTION		SAMPLES	Sample Number		Recovery (ft)	Well Construction Details	WATER LE	Surf. Elev	
14-	5.0		SP-SM	LS/S	5Y 7/2 light gra medium to coal (damp).	y, 5Y 7/4 pale rse SAND, littl	yellow, 2.5Y (e fine sand, tra	5/8 olive yellow ace silt	X	8A	4-4-4-4	1.8	Sand Pack #2 well sand	^		9.Q ft
16-	3.9		SP-SM LS/S SC-SM LS	5Y 7/3 pale yellow fine to medium SAND, trace to little coarse sand, trace granules, trace to no silt (dry to damp).					88						3.5	
- 18-	1.0			LS	5Y 8/1 white fine SAND, some medium sand, trace to little sllt/clay (2.5Y 6/8 clive yellow, 2.5Y 7/4 pale yellow staining from 16.3 to 17.0 feet +/-) (dry to damp from 16.0 to 16.5 feet+/-) (wet to saturated from 16.5 to 18.0 feet +/-).				\bigvee	9	3-2-2-2	1.8		_		
-	-0.3		SP-SM	S/LS	5Y 7/3 pale yell sand, trace silt 18.2 to 18.3 fee sand, little medi	(saturated) (le it +/-) (lense o	nse of little gra f 10YR 8/8 yei	inules from Now coarse	\bigvee	10A	2-4-5-4	1.8				
20-	-1.0		SM	LS/SL	5Y 8/2 pale yell silt (coarsening				X	10 B			2" Schedule			
-	-2.2		SP-SM	LS/S	5Y 8/3 pale yell sand, trace silt coarse sand fro	(saturated) (le	nse of 2.5Y 8/		\bigvee	11A	2-5-10-10	2.0	40 PVC Screened Well- Casing - 0,020 slot			
22-	-2.2				5Y 7/3 pale yell very fine sand, shoe).	ow-fine to med trace silt (trac	dium SAND, to e to little coars	ace to little se sand in	118	11B						
	-4.5		SM	LS	5Y 7/3 pale yell trace coarse sa of 10YR 8/8 yel coarse sand, to	nd, trace very low, 10YR 4/6	fine sand (sat dark vellowish	turated) (lense	\bigvee	12	2-4-5	1.7	į			
24-	-6.0		SP-SM	LS/S	5Y 8/2 pale yell granules/pebble from 23.9 to 24. 24.3 to 24.5 fee	s (saturated) (.0 feet +/-) (lei	lense of trace	to little clay	\bigvee	13	2-5-9	1.7				6.0
26-											ļ				:≣ ∦.	6.5
28																

NOTES:

1. Test boring terminated at 25.0 feet +/- below existing ground surface (b.e.g.s.).
2. Some topsoil removed for previous clearing.
3. Wet-cn-spoon at 16.5 feet +/- water level within the augers at 17.9 feet +/- with the bottom of the augers at 18.0 feet +/- b.e.g.s.
4. Observation Well MW-1 (DNREC ID 212418) installed upon completion.
5. Auger boring performed in general accordance with ASTM D 1452.

Split-barrel sampling performed in general accordance with the Method for Penetrative Test and Split-Barrel Sampling (ASTM D 1586).
 Soil descriptions performed in general accordance with ASTM D 2488, the Practice for Description and Identification of Soils (Visual-Manual Procedure).