

OBSERVATION WELL OB-3

Permit No: 212420

(Page 1 of 2)

The Landings at Peoper Creek Hydrogeological Evaluation Dagsboro, DE

Date Started Date Completed

: November 30, 2005 : November 30, 2005 Drilling Equipment Drilling Methods

: ATV-mounted CME 55 : 4.25" H.S.A.

Logged by Weather

: JSD

Surface Elevation

: 18.5 feet

: Sunny, 60's

Northing:

: 63,737 U.S. Meters DE SPC NAD 83

1	6143.YC Vveather : Sunny, 60's							Northing : 63,737 U.S. Meters DE SPC NAD 83								
<u> </u>) 1	1		Driller/Agency : G Truver Sr./Walton Corp		Easting			: 218,269 U.S. Meters DE						
Depth in feet	Surf. Ellev. 18.5 ft	3RAPHIC	USCS	USDA	Sample Condition Remoided	ed .	Water Levels During Di	riking		Sample Number		Recovery (ft)	Well Construction Details	WATER LEVEL	Observation Well 212420 Top of well Ele PvC = 21.42 Steel Casing Ri 22.28 Supplementary	
1001	10.5 1	Ö	<u> </u>	Š.		DESCRIPTION		S					Ì	11.1	Elev. 18.5 ft	
0-	18.2				coarse sand, t	-	trace sitt (dan	np)]/	X	1A	1-1-2-2	1.5				
2-				;	2.5Y 5/6 light of coarse sand, to damp).	olive brown fine race organics,	e to medium S trace to no sil	AND, trace It (dry to	X	18						
-					SAME.				\bigvee	2	2-2-2-2	1.5	2" Schedule 40 PVC Solid - Well Casing			
6			SP	S	2.5Y 6/6 olive coarse sand, t	yellow medium race to no silt	n SAND, little fi (dry).	ine sand, trace	\bigvee	3	2-3-3-3		Cement/ Bentonite Grout			7.5
- -	10.5				SAME with litt			•	$\bigg \bigg $	4	3-4-4-5	1.6				
°.	9.4		SP	S/LS	2.5Y 6/8 olive little fine sand dark yellowish little silt 8.2 to 2.5Y 5/6 light	trace to no sil brown mediur	it (dry) (lenses n to coarse sa	of 10YR 4/6 nd. trace to	\bigvee	5A	5-9-15-13	1.5				
10			SP-SM	LS/S	coarse sand (i to medium sar (damp).	ense of 10YR	4/6 dark yellov e silt from 9.5 l	wish brown fine to 9.6 feet +/-)	X	5B 6A	7-8-11-14	2.0				
- 12	8.0		CL	CL	2.5Y 7/2 light	gray, 7.5YR 6/ d, trace mediu	8 reddish yello			6B		.				7.5
	0.5		SP-SM	LS/S						7		2.0	Sand Pack #2 well sand	-		

[417]

14 NOTES:

- NO1ES:

 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-on-spoon at 16,0 feet +/- water level within the augers at 17.4 feet +/- with the bottom of the augers at 14.0 feet +/- b.e.g.s.

 4. Observation Well MW-1 (DNREC ID 212420) 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).



Consultants in the Geosciences

OBSERVATION WELL OB-3

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(Page 2 of 2)

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: November 30, 2005

Drilling Equipment

: ATV-mounted CME 55

Date Completed Logged by

: November 30, 2005 : JSD

Drilling Methods Surface Elevation : 4.25" H.S.A.

6143.YC

Weather

: Sunny, 60's

Northing

: 18.5 feet

Driller/Agency

: G Truver Sr./Walton Corp

Easting

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Щ,					DilletiAgency	: G Indver Srzwarkon Corp	,	, CE	ISCING	: 210	,209 U.S. Meters DE	SPC	NAU 83
Depth in feet	Surf. Elev. 18.5 ft	GRAPHIC	nscs	NSDA	Sample Condition Remolded ZZZ Undeturbed DESCF	Water Levels During Oriting RIPTION	SAMPLES	Sample Number		Racovery (ft)	Well Construction Details	WATER LEVEL	Observation Well 212420 Surt. Elev.
16-	2.5		SP-SM	LS/S	5Y 7/1 light gray medium SA trace fine sand, trace silt (me	AND, trace coarse sand, oist).	\bigvee	8	3-8-8-8	1.4			18.5 ft
18-	2.5		SP-SM	LS/S	5Y 7/2 light gray fine to med coarse sand, trace pebbles, of fine sand from 17.6 to 17	trace silt (saturated) (lense	\bigvee	9	8-9-6-6	2.0		•	
20-	-1.5				SAME (lense of 5Y 7/4 pale little slit from 18.5 to 18.9 fee	yellow very fine to fine sand, et +/-).	\bigvee	10	2-3-3-6	1.5	2" Schedule 40 PVC Screened Welf- Casing - 0,020 slot		
224	-3.5		SM	SL+	5Y 8/2 pale yellow very fine (trace pebbles in shoe) (coa sample) (saturated).	SAND, little to some silt/clay rse sand/granules at top of	\bigvee	11	3-2-3-4	1.4			
1 - T			SP-SM	LS/S	5Y 7/2 light gray medium to sand, trace silt, trace pebble	coarse SAND, trace fine is (saturated).	X	12	WR-WR-2	0.7			
24-	-6.5				SAME (coarse sand lense fr	rom 24.1 to 24.2 feet +/-).	X	13	3-3-5	1.1			-5.9
26													
28-	!												

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