SMI	TH+	GARI	INFR	Client: Oconee County Solid Waste Management							DODING ID MW OD		
SMITH+GARDNER Client: Oconee C Project Number: O Site Legation: 456											BORING ID: MW-3R		
				Site Location: 15030 Wells Highway, Seneca, South Carolina Boring Location: Seneca Landfills Facility Sheet: 1 o							Sheet: 1 of	1	
							I-Stem Auger				Monitoring Well Installed: Yes		
Sample Type(s): Soi											Screened Interval: 8' - 18'		
Weathe										Depth of Boring: 18'			
Drilling	Contra	ctor: Eli	te Techn	iques, l			TOC Elevation: NA	Date Finished:	9/10/14		Water Level:	9'	
Depth (ft)	Sample Depth (ft)	Lab Sample ID	Lab Sample Depth (ft)	Odor	Headspace (ppm)	U.S.C.S	MATERIALS: Color, component(s), moistu grain size, oc		ture, ang	ularity,	maximum	Monitoring Well Constr Details	ruction
							GS - 1.0': Grass and topsoil.					Grout: GS - 4'	
1							1.0' - 5.0': Orange, sandy <u>SIL</u>	<u>.T</u> .					
2 3 4 5												Plug: 4' - 6'	
-							5.0' - 10.0': Orange, clayey S	SILT, micaceous.					
6							10.0' - 15.0': Orange/brown,		nd (saprolit	e), micac		Sand: 6' - 18' Screen: 8' - 18'	
17							Boring terminated by field per	rsonnel at 18.0' belo	w ground s	surface.			
19													
											o groundwater while drilling elow ground surface		
		Checked b	ру			Date:							

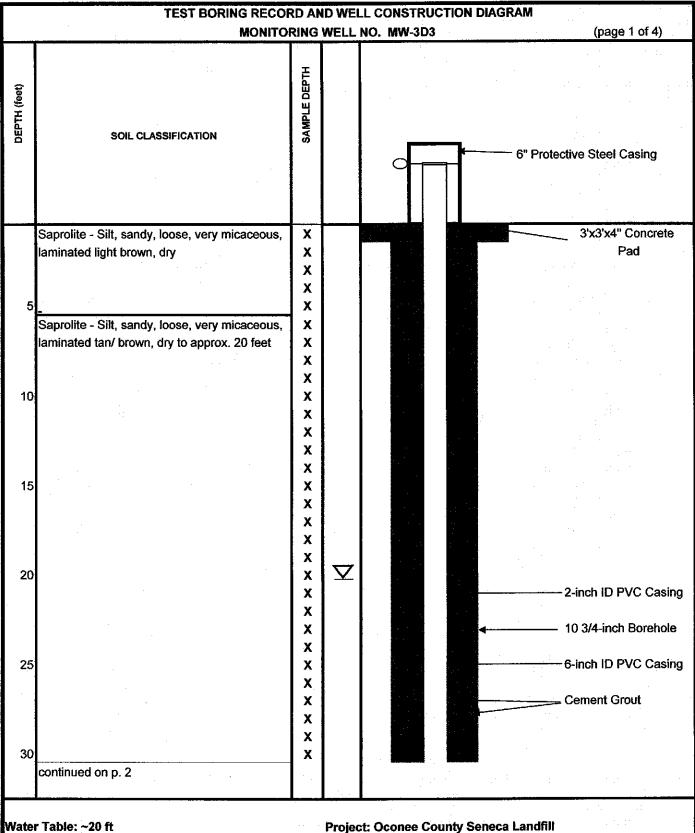
GOLDIE & ASSOCIATES LOG OF BORING MW-3d Environmental Services (Page 1 of 1) Project Name : Seneco LF Start Date : 11-17-97 Ground Water Well Installation Project : 22.9.9 End Date : 12-5-97 Assessment Phase it Logged By : DRD Drilling Method : Hollow Stem Auger Oconee County, SC Dritter : A&E Top of Cosing (MSL) : 763.72 Depth Well: MW-3d DESCRIPTION REMARKS ELEV: 760.62-pod Except where noted, soil descriptions based on 1994 WELL CASING boring HP-11 which was appx 20 feet from this well location Material: Sch40 PVC 1 Diameter: 2 inch Olive Yellow Sandy SILT Screen: 0.010 slot Screen: 52.5 to 67.5 **WATER @10.0*** after construction Joints: Flush Yellowish Brown Sandy SILT 2 Threaded Bottom Cap: Slip Cap 15 3 34 ANNULUS Pale Brown Silty SAND 59.4 to 70.0 ft Sand: 250 lbs 20 . Yellowish Brown Sitty SAND 4 130 Sond 55.7 to 59.4 ft Bentonite Seal: 25 lbs 25 HOLE PLUG 3/8 0 to 55.7 ft Grout: 250 lbs GROUT Bent. Grout 30 Brownish Yellow Silty Fine to Surface Pad: 5 74 Medium SAND 3'x3'x4" Concrete Pad Yellowish Brown Silty Fine SAND NOTES 8 117 * Casing and Screen Factory Precleaned • Drilling Equip. was Steamed SM Cleaned prior to Drilling this well 100 Light Brown Silty Fine SAND 50 Olive Silty Fine SAND (from 11/97 cuttings) 55 SEAL Olive Silty Fine SAND (from 11/97 cuttings) 60 Olive Silty Fine SAND (from 11/97 cuttings) 85 Olive Silty Fine SAND (from 11/97 cuttings) 70 **AUGER REFUSAL @70' - 11/97** 75



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:			7. PERMITNUMBER:
Name: Oconee County Solid Was			<u> </u>
(last)	(fire		8. USE:
Address: 15028 Wells Highway			Residential Public Supply Process
City: Seneca State: SC	Zip:		☐ Irrigation ☐ Alr Conditioning ☐ Emergency
Serieca			☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work: (864) 888-1440			9. WELL DEPTH (completed) Date Starled: 04/011/2011
	UNTY: Ocon	ee	118.00 ft. Date Completed; 04/12/2011 10. CASING: 17 Threaded
Name: Oconee County Landfill			10. CASING: A Threaded Welded
Street Address: 15028 Wells High			Diam.: 6/2-Inches Height: Above Below 3.0
City: Seneca	Zip:		Type: PVC Galvanized Surface 3.0 ft.
I arthurba.			Steel G Other Weight
Latitude: Longitude	i		2 in. to 108,00 ft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NIJWAEP:	14 SCREEN
3. FODELO STOTEM NAME: FU	PLIC 3131E	m ITUMBEK;	Tyro: PVC Sched, 40 Diam: 2-Inches
A ADAMPONISENTS D Va- D	No		Slot/Gauge: 0.010-Inch Length; 10.00
4. ABANDONMENT:	140		Set Between: 108.00 ft. and 118.00 ft. NOTE: MULTIPLE SCREENS
Grouted Depth: from1	it. ta	ft	ft, use second sheet Sleve Analysis
Otokow Depth. 110111	*Thickness	Depth to	12. STATIC WATER LEVEL fl. below land surface after 24 hours
Formation Description	of	Bottom of	
-	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface. ft. after hrs. Pumping G.P.M.
Red to Brown Clayey, Sandy, Silt	5	5	Pumping Test; Yes (please enclose) No
		ļ	Yield:
Tan to Brown Sandy, Silt	25	30	14. WATER QUALITY
		 	14. WATER QUALITY Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Weak, Partially Weathered Rock	15	45	Please enclose lab results.
Double Heavy and hours 4 No - 1-		53	15. ARTIFICIAL FILTER (filter pack) 2 Yes No
Partially Weathered Rock	8	در	Installed from 106.00 ft. to 118.00 ft.
Rock	65	118	Effective size Uniformity Coefficient
			16. WELL GROUTED? [Z] Yes [] No
Fracture Noted Between 80-85 feet			☐ Neat Cement ☐ Bentonite ☐ Sentonite/Centent ☐ Other
		<u> </u>	Depth: From <u>0.00</u> ft. to <u>106.00</u> ft.
Boring Terminated at 118 feet BGS			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: R. direction
			Type
		-	Well Disinfected D Yes D No Type: Amount:
			18. PUMP: Date installed: Not installed
			Mfr. Name: Model No.: ft. Capacity gpm
	<u> </u>	 	TYPE: Submersible Jet (shellow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: Brendan M. Brodie CERT. NO.: 1372
		<u> </u>	Address: (Print) Level: A B C D (circle one)
			EarthCon, Inc. 3440 Augusta Road,
		<u> </u>	Greenville, SC 29605
*Indicate Water Bearing Zones			Telephone No.: 004-331-3/43 Fax No.: 864-236-9097
(Use a 2nd sheet if needed)	1		20. WATER WELL, DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	<u> </u>		my anactivit ship taker is the way to past of the billowed and series.
] ·	1		
MW-3D3			3Cn 36 2011
***			Signed: Date:
			Well Driller
6. TYPE: 🗆 Mud Rotary 🗔 Jetted		Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Ro ☐ Cable tool ☐ Other	кету Ц	Driven	Brendan M. Brodie #1372



Water Table: ~20 ft Well Diameter: 2 in

Sample Method: Cuttings

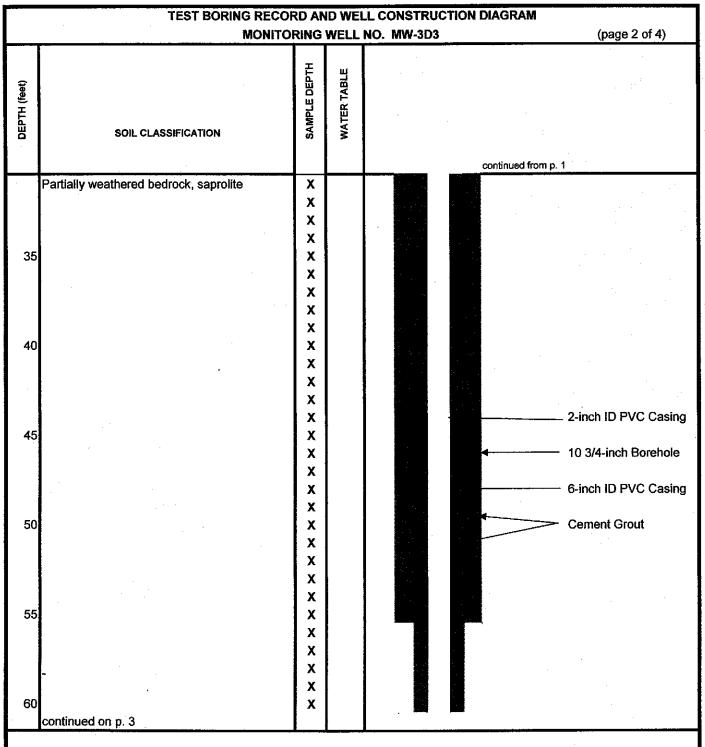
Logged By: Michael E. Glowacz, P.G.

-bpb-_{}-}

Date Drilled: 4/11/11

Drilling Methods: Air Rotary

Driller: EarthCon, Inc. (B. Brodie, #1372)



Water Table: ~20 ft Well Diameter: 2 in

Sample Method: Cuttings

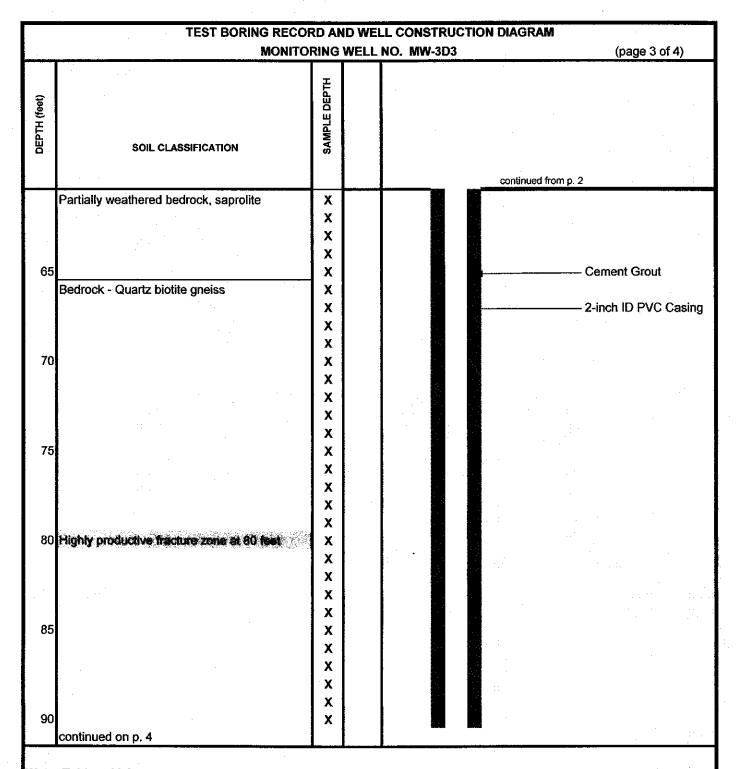
Logged By: Michael E. Glowacz, P.G.

Project: Oconee County Seneca Landfill

Date Drilled: 4/11/11

Drilling Methods: Air Rotary

Driller: EarthCon, Inc. (B. Brodie, #1372)



Water Table: ~20 ft Well Diameter: 2 in Sample Method: Cuttings

Logged By: Michael E. Glowacz, P.G.

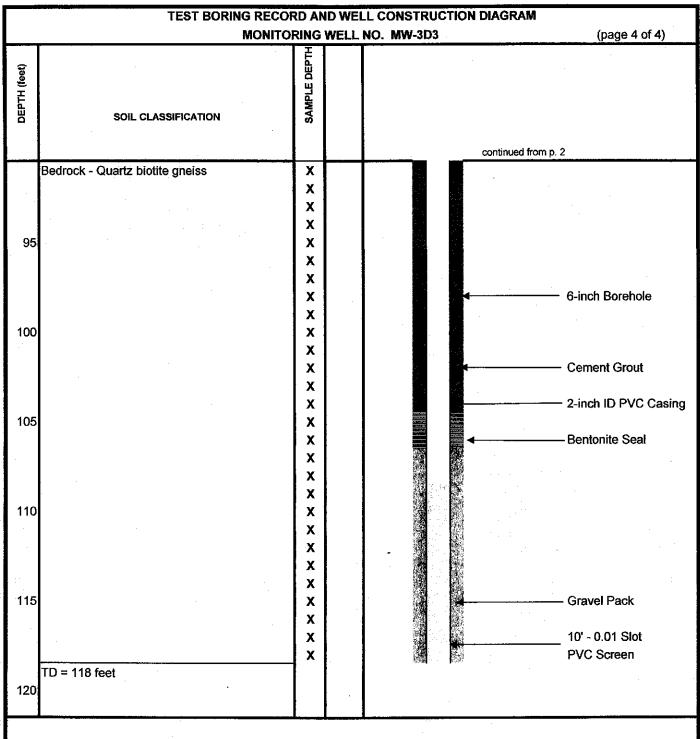
Project: Oconee County Seneca Landfill

Date Drilled: 4/11/11

Drilling Methods: Air Rotary

Driller: EarthCon, Inc. (B. Brodie, #1372)

-dad-



Water Table: ~20 ft Well Diameter: 2 in Sample Method: Cuttings

Logged By: Michael E. Glowacz, P.G.

-bob

Project: Oconee County Seneca Landfill

Date Drilled: 4/11/11

Drilling Methods: Air Rotary

Driller: EarthCon, Inc. (B. Brodie, #1372)