## **APPENDIX C**

## **Soil Logs & Well Construction Diagrams**

- C-1: Geoprobe Soil Logs
- C-2: Cone Penetrometer Testing (CPT) Soil Logs
- C-3: Subsurface Drilling Soil Logs & Well Construction Diagrams
- C-4: Test Pit Logs OU 1

Marie Carrosocki	RERA S	SNAL -	2 (AA) (C)				Soil Boring Log	Boring No: २- MW- ।१८
	W.CARMERASERY		V4				Project:	Proj. No.
Boring Locat	ion into	:					FUSRAP DUPONT GW P4	=
							date: 8-2-3-05	page: \
							time: 5830	of: I
							By: CMY	
							water depth / time:	water depth / time:
		ı		ł			drilling method: トキッカ もいらなこ diam: ナーラ	surface conditions:
units) xture	uction	sample depth	e. no.	very	ppm)	ER Scan	start/finish: 0320 / 0930	elevation:
depth (show units) Soil Texture	Well Construction	sample	sample. no.	% recovery	OVA (ppm)	FIDLE	Description: textures, color, moisture, of fossils, contamination, etc.	dor, firmness, fractures, strata, cavities,
8 0 1 2 3 4 5 M	2" 50140	18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	)S 1-1 1-2 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3	%	10	502 500	SAND, SILTY, CHAYET	THBALL ODOR

^	440000000	RERA SE	NVAL - PEME				Soil Boring Log	Boring No:
		tion info:	\				Project:	Proj. No.
F-(	Com	) (A) J	)				date: 7/18/05 time: ひ 70ひ	page: <b>/</b> of: <b>/</b>
Do	Pout	_					By: MALillips	
	Y						water depth / time:	water depth / time:
			Т				drilling method: Smic diam: 8"	surface conditions:
depth (show units)	Soil Texture	Well	sample depth sample. no.	overy	OVA (ppm)	R Scan	start/finish: 0700 / 1000	elevation:
depth (show	Soil T	Well	sampl	% recovery	OVA (		fossils, contamination, etc.	odor, firmness, fractures, strata, cavities,
2	ML SM	246	3000		0.52 (5.2 24.7 24.7		1.5-23 concrete found	ex sitt, moist lation / slab 211) stained clayer silt sist, includes coal slag woods 243) silty fine sand sist (saturated at 5.0°)
	ML	V.S.	A del		210		6.4-7.5' gray (5 y 5   clay wet, dense 7.5-8.6' gray (5 y 5   8.6-9.0' no recover EOVS 9.0' well 50 Screened 5.0-7.5 Sentonite to 3.5'	1) sitty clay, moist, 2+ +0 7.5' 595

	CABI	RERA S	SER	VIC	ES			Coil Doning L	Boring No:
	🎚 Avaroaciae	ing Benadigaa W Carnerasery	AND DE	- 00gs/		-:		Soil Boring Log	4
Borir	ng Locat	tion info	);					Project:	<u> </u>
	1/4)	-21	(A	1)				D 2 Pont date: 7/1-1/05	
l l			( )	` )				date: 7/1-1/05	page: /
	Co	55-						time: 1250	of: 2
	- W JuP							By: M Phillips	
_	JU [	ont						water depth / time:	water depth / time:
								drilling method:	surface conditions:
	<del></del>	T			г	_		diam: 8"	asphalt paving
depth 午低6 (show units)	xture	uction	depth	. no.	very	(mdi	Scan	start/finish: 1050 / 1730	ر ا
depth (show	Soil Texture	Well Construction	sample depth	sample. no.		OVA (ppm)		i iossiis, contantination, etc.	odor, firmness, fractures, strata, cavities,
-2						19	<i>2</i> 12	0.0.5' asphalt 0.5-1.0' grave / asphalt 1.0-2.5' mixed asphal from previous ouvesti	´
	5M	•	1 Ci Ci					40 5.3' dark gozy-b	rown (1042 4/3), clayey
6	SW		(WO)			ŀρ		5.3-7.0' dark gray - 5 graded sand with	prome (104R 4/3) well- subrounded gravel
<u> </u>	ML SW		7.0			'33 		7.0-7.6 de brown (16 some sand (fine) mo 76-8.5 de yellow-6, granded sand, sub or grand on memory 9-11.5 slop from previo	ist, stiff rown (10/12 4/6) well- overled, up to 32 cm we intervale

man filmin i respective	RERA SE	aci a makay		:		Soil Boring Log	Boring No:
Boring Local	tion info:	8 COM				Project:	<u> </u>
_	, (					DoPont	1 10j. 110.
MW-21	(A)					date: 7/14/05	page: 2
F-Con	-					time: 1050	of: 2
						By: MALillips	
DuPon	+					water depth / time:	water depth / time:
						drilling method: Ṣফic	surface conditions:
32		.				diam: 📯" /	
4 1265 units) xture	uction	. no.	very	pm)	Scan	start/finish: 1050 1730	elevation:
depth A B (show units)	Well Construction sample depth	sample. no.	% гесоvегу	OVA (ppm)	FIDLER	Description: textures, color, moisture, fossils, contamination, etc.	odor, firmness, fractures, strata, cavities,
5W				27	3	- man Heard 6.5-	non (10 4R 4/3) well- ounded, up to 5 mm, 4" sch 40 PVC well 2.5' screen (10-slot) 9'. W sand to 6'; 5' 20il coment; s sware

<del>(millionic</del> Provinciale)	ERA SERVIC		Soil Boring Log	Boring No:
Boring Locati	on info:		Project:	Proj. No.
MW-2 F-Corr	2(A)		date: 7/6/05 time: 0800	page: / of: /
T-Com	ial		By: M. A. Hips	
1) upon			water depth / time:	water depth / time:
			drilling method: ≤ou; ∠ diam: ⟨S'' /	surface conditions:  Grave / asphalt
units)	Well Construction sample depth	wery	start/finish: 3000800	elevation:
depth -++ ( Show units) Soil Texture	Well Construction sample depth	% recovery OVA (ppm)	☐ fossils, contamination, etc.	e, odor, firmness, fractures, strata, cavities,
SW CL CC SP SML 8	3.2-3.5 0400 0410	18,5 160 2768 231 328 74.9	2.5-3.0' V. darle grad sound very stiff L 30-3.6' black (5 y material, slightly on 36-39' sound (c) moist, very stiff 3.9-7.0' dk brown(1) with sit saturat sity sand al some	bys sand to 40',

^	. sypkatokak	RERAS	September 1	- Pakea		ş:		Soil Boring Log	Boring No:
		tion info	١.					Project:	Proj. No.
	Cor	•	<i>,</i>					date: 7/18/05 time: /100	page: / of: >
l'ho	Pour	+						By: MAlilles	
								water depth / time:	water depth / time:
	-	·						drilling method: Source	surface conditions:
units)	exture	Well Construction	sample depth	9. no.	very	(mdc	R Scan	start/finish: //٥٥ //٤٥٥	elevation:
depth (show units)	Soil Texture	Well	sample	sample. no.	% recovery	OVA (ppm)	FIDLER	fossils, contamination, etc.	odor, firmness, fractures, strata, cavities,
	SM ML		205	>>		0.7		2.6-50° dive gray (5 sand, deuse, sati	with Svonn (WYR5/3) I slag, wood debris tash,  Y5/2) Silty Fine rated  SY 5/2) sandy silt live still
	CH					٥a		9.0-10.4 olde gray ( maist, highly plastic, i	5/R 5/2) Silty clay,

************************************	RERA SER	- PEMECHATIC			Soil Boring Log	Boring No:
Boring Local	/ / /	)			Project:	Proj. No.
F-Corr	a				date: マ(8 05 time: /(00	page: 2 of: 2
DoPor	t				By: MALILIPS	
					water depth / time:	water depth / time:
			<del>1</del>		drilling method: ໒ູດພີເ diam: 🎖 ້	surface conditions:
depth (show units) Soil Texture	Well Construction sample depth	e. no. overy	ppm)	R Scan	start/finish: /(১১ / 1635	elevation:
depth (show Soil Te	Well Const	sample. no. % recovery	OVA (ppm)	FIDLER	fossils, contamination, etc.	odor, firmness, fractures, strata, cavities,
ML 125W	73.5 11.3 (33	1	878	}	tent tidhe (54k 4/1) send ancist, slightly p 10.9-16.5' brown (10 send with sitt, gra 17mm, sutvated, of	clayer silt with some laste soft YR4/3) well-graded mel (subnowned) upoto lense
14 16 5P 5W			80.7 16.5 12.7			PR4/3) medium sand R4/3) well-graded sit, subrounded grand en set 8-18' Howite to 6.5';

<b>^</b>		RERA S	MENDAL	- 200A60		:	_	Soil Boring Log	Boring No:
1	g Locat	tion info	A					Project:  date: 71705	Proj. No.
	$C_{c}$			,				time: 8735  By: M. Phillips	page: / of: /
	, Pori	+						water depth / time:	water depth / time:
8) (8)	φ	L E	oth				Scan	drilling method: Source diam: \$'' start/finish: 0730  200	surface conditions:  asphalt paving  elevation:
depth - F+ (show units)	Soil Texture	Well Construction	sample depth	sample. no.	% гесоvегу	OVA (ppm)	FIDLER Sc	•	odor, firmness, fractures, strata, cavities,
2	5M		505 092	r D				0-0.7asphalt paving 07-1.5' Gravel Sb trase 1.5-2.5' dive gray (54) medium said with s subrounded gravel; med 2.5-5.8' concrete rubb saturated 4.6-5.8'	4/2) silty fine to one large (up to 42 mm) irm tense moist le, avoist at 2.5-4.6';
	OH SM		6.5 7.3 092	b				5.860' black (10 4R2 sedment, plastic, wet 6.0-8.5' brown (10 4R clay, very fine sand, silt with fine sand	24/3) silty sand with grades to a clayer
	ML							8.5-9.0' no recovery EOB 9-0' bys Wel screened 5.5-8.0', So to 4.0' bys	I set to 8.0' Los, and to 5.0', bentone

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				,			by: J. Von Uderitz water depth / time:	water depth / time:
							drilling method: Pata son: C GP 24-30025 diam: 4-inch	surface conditions:
units)	ture	ecuenty sotion	sample depth	e. no.	(mdd	R Scan	start/finish:	elevation:
depth (show units)	soil texture	A How	sample	sample. no.	OVA (ppm)	FIDLER	Description: textures, color, moisture, od fossils, contamination, etc.	
-		3/			2.6	4762	0-1.5 Applant	+ Schbase Course sud + Cobblus.
		1			88.1	4724	As 3-C4 Carge Rock -	
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					179	4753		
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				To			by: J. Von Uder:+Z water depth / time:	water depth / time:
					\$ 50.	2	drilling method: Zota son: C	surface conditions:
nits)	ture ture depth depth s. no.						diam: ין-וֹחְבּלְ start/finish:	elevation:
depth (show units)	soil texture	St. April & Well Remoters	sample depth	sample. no.	OVA (ppm)	FIDLER Scan	I 11 tomination ata	odor, firmness, fractures, strata, cavities,
-		5/5			26.1	5747	plusher, Trace white	to sily mike in some
						5620	(24.5-1 Coque . M25 small consul	37
2					0.0	5768	2124-27.24-3,	Blish Gray
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?q					18.4	550		

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(show units)		on info:	though the depth of the sample depth of the sa	war sample. no.	(mdd) 4/0 22 21 44 4.9	FIDLER Scan	date: 11/14/03 time:  by: J. Von Uder: +2  water depth / time:  drilling method: Rota sonic  GP 24-300 Rs  diam: 4-inch start/finish:  Description: textures, color, moisture, od fossils, contamination, etc.  31-32.5	page: 4 of: 84  water depth / time:  surface conditions: elevation:  lor, firmness, fractures, strata, cavities,  Gray Coarse Sendings  electors strata, cavities,  Clay are vary E. sand
					9-	52.89	TN- 25 54	
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						8	Rish 29.5 29.5	0.61"
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7 lays units)	cture	ıction	depth	no.	/ery	(ma	Scan	drilling method: Sonic diam: &" start/finish:  230   (600	surface conditions:  asphalt paving elevation:
depth Pt lays (show units)	Soil Texture	Well Construction	sample depth	sample. no.	% recovery	OVA (ppm)	FIDLER	Description: textures, color, moisture, fossils, contamination, etc.	odor, firmness, fractures, strata, cavities,
	SW		1400					0-0.8' asphalt 0.8-12' crushed asphalt 1.2-2.2' celling-brown graded sand, subvorus unoist 2-2-7.0' loose concret (no recovery 4.5-6.	e and wood waste 2' bys); dry

CABRERA SER	- P@M@GAGEDEI	Soil Boring Log	Boring No:
Boring Location info:	our .	Project:	Proj. No.
MW-26 (A) F-Corral Durant		date: 7/7/05 time: (23)	page: $\overline{>}$ of: $\overline{>}$
t-Corral		By: MPhillyps	
1) yaut		water depth / time:	water depth / time:
		drilling method: אינייכי diam: איניי	surface conditions:
units) xture uction depth	sovery (ppm)	_	elevation:
depth (show units) Soil Texture Well Construction sample depth	sample. no. % recovery OVA (ppm)	Description: textures, color, moisture, fossils, contamination, etc.	odor, firmness, fractures, strata, cavities,
0 SW		90-11.0' silty march son debris including con brick; black (104 11.0-12.0' olive (57 mix; subrounded of Saturated (Baguste EDB 12.0' Sign will present (55-8.0' chips to 4.5'	5/3) sand/gravel gravel up to 19mm; er material)

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A Carlo	radiocióció	ZERA S	ENÍAL :	REARE		š		Soil Boring Log	Boring No: 4-MW-⊙				
Boring	Locat	ion info	:					Project:	Proj. No.				
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	1000	£.1 ,9 · ·						water depth / time:	water depth / time:				
								drilling method: Kotamie GP24-300 RS diam: Y-inch core	surface conditions:				
		<u> </u>	_		l		T _	diam: 7-inch core					
lepth <b>F.Ł</b> show units)	<b>G</b> oil Texture	Well Construction	sample depth	e. no.	recovery	(maa	R Scar	start/finish: 0851-1000	elevation:				
depth (show	. So T IIO	Well Consti	sampl	sample, no.	% rec	12 J	FIDLE	Description: textures, color, moisture, cavities, fossils, contamination, etc.					
					80	0	36	very dark grayish brown with roct metter, very of Reddish yellow fine s	moist, low plastresty, soft				
					<u> </u>		384	Reddish Yellow fine s	randy CLAY (CL), moist				
-							373		<b>+</b>				
-  -  -						0	3668	Dark gray medium SAN	D(SP) with a little				
							3751	quartz gravel/moist, modien deuse					
F						0	387	3					
<u> </u>	<del></del>			****		<del>-</del> -	361°						
_ y						0		Light gray median to C	onese sand (5P) with Blantz grave (medium dense mois				
						NA							
$\mathbb{F}_{\epsilon}$						WA	(Alternative)	NO Recove	f				
							326 8	- Dark gray SAND (51	W) with a little grever				
E					90	0		trace glass and wire	- tragments, trace				
6			···	· ·			3(.1	brick fragments, fill	, wet, medium dense				
_						0	354						
<u> </u>							382	<b>6</b>					
<b>L</b>							383 383	<b>S</b> 1					
- 0						0	365	2 Very dark gray so	mey CLAY (CL) with				
				*******		-	3%	aren a ce matter ver	y moist, medium skiff				
-						0	373	low plasticity					
							383	•					
F													
					· 	NΑ	WA	No Recoi	keny				
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Background = 3814 cpm FUSRAP DuPont GW SI 3816 4035 3999

Soil Boring Log doc rev.2

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				ate	מאפ		•	By: Ken Marion				
	Mo	irsl	\ \					water depth / time:	water depth / time:			
				· · ·	<b></b>		- <b>-</b>	drilling method: Rotasonic GP24-300 RS diam: 4-inch core	surface conditions:  Marsh			
units)	exture	Well Construction	sample depth	e. no.	ecovery	<b>P.L.D</b>	R Scan		elevation:			
depth Show units)	Soil Texture	Well	sample	sample.	% rec	0 7 0 0 4 0 0 4 0	\$ the	Description: textures, color, moisture, cavities, fossils, contamination, etc.				
- - - 1					70	0.1	3719	1. 401 - 1.	lery moist, low plesticity			
						0.1	397	4 50 ft	*/			
<u> </u>				ļ			436 438 443		Lish Yellow mottling,			
<i>(</i> }						0.1	446	s trace gravel, wet, low plasticity, soft				
						NA	445					
<u>-</u> 14					-		NA NA	No Rec	overy			
( <i>{</i>			717			0.1	402	8 Yellow brown	SAND (SC) with			
<u>//</u>		ρ <sub>λ</sub>	4-8-12-			اء٥	38- 428 415	e mottling, medium	race reddish brown , dense, wet			
_17		7	3	17		·	<del>443</del> 1					
_ _/3		)0~M	W-h	X.	•	0	518i 514	Gray CLAY (CL) I sand and gravel, mo	with trace silt			
		2	<b>.</b>	X		Ø NA	463 1/4	medium plusticity				
-/9 - - - -							NA	No Recov	i i			
								Bottom of B	Iorehda at 20 ft			

	Locatio	n info						Soil Boring Log	4MW-02
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w units)	Texture	struction	ole depth	ole. no.	covery	O (muu)	ER Scan	start/finish: 1415-1445	elevation:
woys)	Soil	Well	sam	sam	% re	a d	FIDL	Description: textures, color, moisture, cavities, fossils, contamination, etc.	•
		ļ			100	0	1	3 MATTER, MOIST, UE 2 REDDISH VELLOW	SILT (ML), OREANIC NY LEOSE CLAYEY FINE SAND (
. [					<b>^~</b> .;	0	376:	TRACE GRAVEL,	Moist, Medium Dens
2							389	o U	
						0	370	DARK GRAY MEDI	UM SAND (SP)
						O.	11//7	MEDIUM DELISE BO	ecominica cialitér
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	units)	units) exture	units) exture		Soil Texture  Soil Texture  Construction sample depth	1 100 100 100 100 100 100 100 100 100 1	Soil Texture Soil	Soil Texture  So	drilling method:  diam: 4-inch core start/finish: 1415-1445  bescription: textures, color, moisture, cavities, fossils, contamination, etc.  Description: textures, color, moisture, cavities, fossils, color, moisture, cavities, fossils, color, moisture, cavities, fossils, color, moistur

			RERA S M. HOVIKON M.CABRERASER				3		Soil Boring Log 4-MW-05				
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		4.0 -	111				**		By: K. MARION M. DRISCOLL				
	<b>.</b> .	1AR		٠									
	M	三人り	_ W	KA	ور	15			water depth / time: water depth / time:				
	,								drilling method: Potosouic surface conditions:				
			·			···	3.00	3	diam: 4" core MARSH				
	ff units)	xture	uction	depth	ou s	very	(mac	R Scan					
	depth FF	Soil Texture	Well Construction	sample	sample, no	% reco	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FIDLE	Description: textures, color, moisture, odor, firmness, fractures, strata, cavities, fossils, contamination, etc.				
						60	الم، وا	394 359	WI ORGANIC MATTER, MOIST, LOOSE				
1,						T		3%					
	E		·				0.3	1	- GRAVISH BROWNED KINDLING KAND (SP)				
( 1	1					$\dagger$		<b></b> -	WOOD CHIPS MOIST, MUDIUM DEALSE				
	_ <u> </u>			X	,		0.3	4070	WOOD CHIPS MOIST MEDIUM DEALSES OLIVEI GRAY SILTY SAMOY CLAY (CL) BRICK O + ORGANIC MATTER, MOIST W/ MED PLASTICITY TO STIFF				
÷ . ·	ij						_		NO RECOUERY				
	<del>-/</del>					T		1					
						1							
*								1153	BLACK SAND WITH LITTLE CLAY (SC)				
	_				ļ	W	61	407	Some organic matter, trace metal				
	_6_							20.1	AND CERTAIC				
	- 1							4041					
	17							399	(45)				
			1 1	30			_	4053	- VERY DARK CLAYCUITH DEGANIC MATTER				
<u>.</u>	E @							¥54	MEDIUM STIFF, MOIST				
:	_ ` *							39.25					
	- a			X			•	3790					
· ·	-			×		1		39,09					
	_ ,		. 4					3765					
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BACKGBOOMO4121 CPM 3870 CPM

		ERA S						Soil Boring Log  Boring No:
Dorin	www	L ENVISONM CCABRERASERV	ICES.CO		MAREC 11.5	• •		Project: Du Pout Proj. No.
·	g Locati							SUPPLEMENTAL
GRA	auce L Aoc	PA	RK	146	6	Ćõ	ī	date: 5/9/06 page: \
	)A O -		<i>-</i> 1	ندد	, ,			time: 0740 of: (
M	AOC	4,	>W	P((	ر. د			
				-				By: D KATELEY
	.*							water depth / time: water depth / time:
						٠.		drilling method: ציריים surface conditions:
								diam: 4 in core GRAVEL LOT
K. €	Ø.	L.	뮱				Scan	start/finish: elevation:
wnits	xtur	uctic	e de	e. nc	over)	<b>,</b> (ppm)	1 ℃	0145 / 0905
depth 六 (show units)	Soil Texture	Well Construction	sample depth	sample, no	% recovery	\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\	IDLE	Description: textures, color, moisture, odor, firmness, fractures, strata, cavities, fossils, contamination, etc.
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<del>- * )</del> -							440	
					50	ol.	423	PURPLE BLACK CARUEL, VERY
حث 	- B				<u> </u>	ļ		WINE STRONG ODER (CM)
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-7	p 6						501	
	0 0 A 8					4	607	इ. ५
- 6	DOSE		7			03	853	
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	R PROCESSION R RWW	ERA S L ENVIRONM LCABRERASER	VICES.O	RÉMA OM	diatio	ы		Soil Boring Log	Borir 4-MW-6
Borir	ng Locati	ion info	Ď:			_		Project: Pulant	Proj. No.
	A	1. ₽					•	date: 5-8-66	tytion 04-3406 00
	AOC	, Y	7	W	Μú	<i>X</i> , S		date: 5-8-66 time:	μ90.
	, ,	v		£	÷			unte.	of:
	AOC Ne M	01	Wo	it.	سرح			By: Ken Marion	M. Druscocc Dave Kateley
	M	versi	•			**		water depth / time:	water depth / time: 1
	Next	to	4-1	Nu	1-0	į			
·	, (							drilling method: Retasoute	surface conditions:
. ,			T	Ī	<u> </u>	1	1	diam: 4 -inch core	Marsh
(stinuts)	<u>a</u>	ion	epth	စ္	_	<u>ء</u> ا	Scan	Gp 24 - 300 RS  diam: 4 - 114 Core  start/finish: /130-1300	elevation:
v un √	Soil Texture	itruct	sample depth	Je. n	recovery	(mud)	ER S		
depth Øshow	Soll	Well Construction	samk	sample, no.	% re		FIDL	Description: textures, color, moisture, cavities, fossils, contamination, etc.	
<del></del> :					_		391		, silly CLAY CCL
	/2/				15	0	383	With root matter, is Beddish yellow clay	100 Cha Sand CSC
_	200					0.1	200		1, moist modium de
						0.1	1",		
	2 2						359	1 trace gray gravall	ly Jand (SP) with
<u> </u>	2 2 2					0.3	369	b Dark gray gravely trace brick from medium dense, Fice	questo neors to
			٠				363		
<del></del>						0	MA	NO RECOVER	7. <b>1</b>
<u> </u>							MA	- KU KU COOG R	-9
_					100		362	4 DARK GALLERY	
						0	347	DARK GRAY GRAVE	ELLY SAND (SP) WI
_				2		•		o MS BRICK FINE GO of Medical Demose	EAUGL, WET, FI
_ 		. ]		2		0	3109	i acres	*
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_				ž		0	348		
-7-				\$			353/	and the advantage of the state	
_			X.	7		4	394	VERY DARK GRAY	CLAY WY ORGANIC
- 8				<b>6</b> g		Ó	380	MEDIUM STIFF	1 PLUSTICITY,
- -				7-6-7			3794	, STIVE	
-				3		6	3621	•	
_4_			$x^{\dagger}$	18			34.		
-		<b> </b>	~	~~		0	3/20	Kongresion (1997) ✔	
- <sub>/6</sub>					.		769	6 CPM Botton of Bo	<u> </u>

~	RADIOLOGICA	ERA SI	NIAL - R				Soil Boring Log	Boring No:	
	g Locati	on info:					Project: 003 phase 2 date:///29/05	Proj. No.	
Aò	I-1	4					time: 800	of: 2	
AO	C -	6					by: Soe Von Ude.  water depth / time:  9-F+	water depth / time:	
							drilling method: Rotosowick diam: 4'/12"	surface conditions:	
units)	soil texture soil texture  Zecoury well construction sample depth sample. no. PID OVA (ppm)						start/finish:	elevation:	
depth (show	Soil text Soil t						Description: textures, color, moisture, odor, firmness, fractures, strata, cavities, fossils, contamination, etc.		
-		3/5				7049	1- Z.5		
-	000				2.7	la yle	orange known coarse many rounded river store	sand wy some sitt. s + cobbles woist.	
-	111	-			31	Chilles Culls	2.5-3 Dark Gray. F-Sand+	sit. Tight, Non-coherine	
-					-	_	3-5 No Recovers		
	17.	5/			-	-	5-6 olmse Prouv. M	1-1 Sadur Same <: 1+	
- - -	~	75	6.5		14.5	6258	6-7 Black peat		
			1.5		15-2	11110	7-8 Dark & Cight Gray F.n +: 8th, some water, NON-coh	soul my score silf	
-	***				22	6670	B-10 Light Anown M-C Sand M wet @ 9-F+, some Mutt	truce sitt. Loose	
	(= '	+		10.	13.	1268	m- sity sand		

~		ERA SE					Soil Boring Log	Boring No:
		CABRERASERVIC					Project:	Proj. No.
							003 Phase 2	page: ¿
1	2. U						time: 800	of: 2
70-	2- U						0	
A01	- 0						by: Jue Un Uslent	
							water depth / time: 5 water d	lepth / time:
							9-54	anditions:
							Loto sov	e conditions:
		Т				-	diam. 9/16	
iits)	ē	万章	lepth	10.	Ē	Scan	start/finish: elevati	on:
depth (show units)	soil texture	Recovery well construction	sample depth	sample. no.	OVA (ppm)	FIDLER	Description: textures, color, moisture, odor, firmness, fossils, contamination, etc.	fractures, strata, cavities,
00		5/	0,			6391	18-12.5 Card Raman Cod &	- Com Trull
	00	15			419	1632	Coarse light Brown cand	10N-Cohrone
-	0.			- 61	E-1577.	201/	1	
	6				เาเ	69191	12.5-14.25	
	- 0					16401		sand my Silf. Tiga
	0				09.	608/	non-cohere	
	1111				1	1 Plan		
-					101	1000	14.25-15	
_					V	10	Red Brown M. C Sand on traces 5	2. H. O
	1				1	6626/	Soniation, Non-chesive	
-	1	0		1	201	1000		table the
-		5,		M	3	90%	F.M Ligraphown Silf Sal. S	The same of the sa
-		15			ć	le gre	non-ideice	
-		1	1	7	1	1, 00	8	
			1		20	/28	175.20	
- 100			1		1	22/	M.C light Gray Sand out	trace silf. I
-	1	- 18	- A A		117	13/2		: 目:
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-	-	3. 9			636	602/	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-inch to 18. Ft
	1,	19%			0	1005	l wj ·	
-	1	1	19'		1,1	219	1 0000	ser 0-8
)-	1'		20		241.	0 86	# 0 5	And Ce-12 & BAGS
					2		6	ventante 8-6 mento
							12	the 1.5.5 (Chair man he

1	RADIOLOGIC	RERA S	MENTAL .	REMEDU			Soil Boring Log	Boring No:		
	g Loca	tion info	:	•			Project:    0 3   Phase 2     date: 11/29/05     time:	Proj. No.		
AO	C-(	6					by: SE Vo. Mder. + 2  water depth / time:  8.5-FT  drilling method: Potosov:  diam: 4 / 12  water depth / time:  surface conditions:  Grave / Asphate			
depth (show units)	soil texture	well 25 construction	sample depth	sample. no.	OVA (ppm)	FIDLER Scan	start/finish:  Description: textures, color, moisture, odd	elevation:		
	6 6 6 0 0 P	3/5	S		25	- 1684 - 1684 - 1684 	2.75-3 Bluck Pout my of tight, Soni-coles	rece f- Gray Sand.		
		~ 1/3	8.9		7.4	12 12 12 12 12 12 12 12 12 12 12 12 12 1	5-7.5 Brown/P M-C Sand wythouse Loose, Non- whoise. 7.5-9  Rel Brown/ light Gra- mottled F. Sand w/ So tisto, Non-coheire. 2-10 No- hoovy	Moist  Mo		

	RADIOLOGIC	RERA S	MENTAL .			The state of	Soil Boring Log	Boring No:
Borin	g Locat	tion info	):				Project:  OUS Phase 2  date: 11/29/05	Proj. No.
AO.	7.1	1					date: ロマラレッち time:	page: ≥ of: ≥
A00	Z-C	9 .					by: Dot Un Who	ortz
							water depth / time:	water depth / time:
							drilling method: Rotoson:	surface conditions: A Sphult/6 navel
units)	ture	offer	depth	. no.	(mda	FIDLER Scan	start/finish:	elevation:
depth (show	soil texture	Secon # secon #	sample depth	sample. no.			Description: textures, color, moisture, od fossils, contamination, etc.	or, firmness, fractures, strata, cavities,
		5/5			10.6	4756	ight from a cight cruy C-SAND wy thoras sit. Lox	suicelos-um, aco
=					20.1	4594	13-15	
<u>-</u>	1				13.3	149h	L'Sux guar un some 1: 60	to Tight non-where
- - -					52	11012/2	Light Brown on some light  For sand one some sill  somi-tisus, now.  15-17 gust cm M-E son	or some silt
=		3			VO.	4630	on the lines Gray F.	m sad m sow
<u>-</u>	< '	5/5			cs.,	4754	s: (k. Semi-tisco, No	n. Ches!a
					2.0	4837	Lusse, wor ches's	- / Trace silt
=	, , ,				200	(85)	70=20 Miller out Boulide	m/12'
	-'-		18		300	100 g	Rian 6-8 0.01 Streen 8-18 \$10.5M2 6-18	38
		4			10	48662	Butnike/Grut 2-le	E 18

scanned/

	CARRI	ERA SE	-DVI	CES			Cail Paring Log	,	Boring No:
negotiation R	ADIOLOGICAL	ENVIRONMEN CABRERASERVIO	STAL . RE	MEDIATE	NC		Soil Boring Log	6 MW	03
Boring	Location	on info:					Project: Phase ?	Proj. No.	
		, ,					date: 11/30/05	p	age:
AO	I.	4					time:		of:
AO		1.					by: JOE Van Uden	:72	*
AO	C-	0					water depth / time:	water depth / time	e:
							9.5.5	(A - F A - A - A - A - A - A - A - A - A	V
							drilling method: Pota senic	surface condition	S:
-							diam: L1 "/12"		-10
nits)	are	#ion	depth	no.	(mdd)	Scan	start/finish:	elevation:	74
depth (show units)	soil texture	Weth Cauca	sample depth	sample. no.	P.C.D.	FIDLER Scan	Description: textures, color, moisture, odor fossils, contamination, etc.	r, firmness, fractures, stra	ita, cavities,
		5/				35/	0-1 Asphalt + Subbase		
,-		15			79.	1289		A.M.	
-		1				-3/	1-3.25 orange Brown M-C Sco Loose, Nov. Colusive, M	Jul Some Sitt	
7-					3.	53/532	Loose, Nov. Colesive, 1	noist (	
(-						5478/			
-					3.	15/610	3.25.4 Light Long / Black	Va, F-323 4 5 ! 1	4.
3-						466	+: Sut Novichesins		
=					4.4	3/26/6	14-5		- 2
4-		1			12	540/	- truck site Time a	Mother m-sca	
,=	5.	0			5.0	5/25	wite 5. A (maj se	From Read	
5 -		51				50/	5.5.5 Black tou		
	111	1/5			16.	53/5400	5.5.8		
6 -		(			1	cu2le/	Light Gray + 1: gut in	own mottled	
7-					6.0	5/2/20	11-200 x 2.11. 1. 100		Control of the Contro
-	111		7-		20	1.93/	18-9	511. (000 No	on.cohoic
0-			3		3.8	30,793	SHOWN M-SM	2.18644 20	Hled :
0 -					1	15/	Light Ora, my Shall an	2.0	
n -	- 1 -				11.	55/4	M-San wy som		
-	3:				9	45/0	9.510	ne s: H. Coose	,
10-	-	10			15.	5/20	Brown C-M Sed W/SO Wet @ 915-F+		

FIDLE Brikging - 5042

CABRERA SERVICES RABIOLOGICAL : ENVIRONMENTAL - REMEDIATION	Soil Boring Log	Boring No:
WWW.CABREBASERVICES.COM	Project	Proj. No.
ring Location info:	FUSRAP D. PONT GW	
	date: 5-10-06	page: (
	time:	of: <b>4</b> _
	by: cmy	unter death / time:
Scape 7-7.5 12.5-13	water depth / time:	water depth / time:
(2,5-1)	drilling method: POTASONIC	surface conditions:
	10.1N BORNSG	
	diam: 4-12 wales	elevation:
rits)	start/finish: 1130 / 1200	GIG VALIOTI.
depth (show units) soil texture well construction sample depth sample. no. OVA (ppm)	1_	dor, firmness, fractures, strata, cavities,
depth (show (show well constitutions) sample sample OVA (	fossils, contamination, etc.	
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-     2	ç\$37	
	564 CLA-1-72NDH, POR	BO SAND , MOTTLED
	CARA-1 & RLACK	
	5790	er en
	5845 CLAY SHUTY GR	FY
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	LIG.	· 1
	5448 CLAY SANDY GE	and .
=	- 10 C A-1 C 1 TY U6 F	\$ Tay
	5645 CLAY SILTY UGS MODERATELY FI	RM
	5817 1 100 SCIQUES FT	•
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	138-19 (Sanoue)	
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2	BUD SAND CONEY U	641 (AR) YOUND MOTTE
- 1, 1	6384 SILT	
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	RADIOLOGICA	RERA S	SENIAL .	REMEDIA			Soil Boring Log	Boring No: 6-MW-94			
rin	ng Locat						Project:	Proj. No.			
							date: ちへゅっぴ time:	page: 2 of: 2			
							by: •••¬				
							water depth / time:	water depth / time:			
··	·1	1			T	·	drilling method: رحم المحمد ا	surface conditions:			
units)	dure	uction	e depth	e. no.	(mdd	R Scan	start/finish: (いろっ / (てoo	elevation:			
depth (show u	depth (show units) soil texture well construction sample depth sample, no. OVA (ppm)						Description: textures, color, moisture, odor, firmness, fractures, strata, cavities, fossils, contamination, etc.				
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1=					3	5308	15178 , MED GRAINED	W GRAVEZ WELL-SOPTIED			
ر <u>ّ</u>					3	5087	LIGHT GRAY	-			
į				→	1	<u>जि</u> र9	(Samous)				
-7					2_	5698					
<u>-</u>					2-	5586 566					
- 1 <del>-</del>					1	B444					
15					2-	5585	1 1 1 1 1 more /s. The				
<u>-</u> 2 <del>-</del> 6					4	5481					
- -					3	5354/ 5487		MAN :			
A					2	5178 5034	Readish brown fine to well	FW DAGIOT			
					2_	5178					
<u> </u>						X	M				
78							No recovery	-			
<u>-</u>						X					

	CABRE	<b>ENVECTIVE</b>	VIAL • RE	CES	) ON		Soil Boring Log	Boring No Co-MW-Ø5
No. of Street, or other Persons and Street, o	Location	ABRERASERVIC	ES.COM				Project:	Proj. No.
. ~				25-1	T.		FUSRAP DUPONT GWG	5I 04-3406.00
	Posi				10		date: 5 10-06	page: (
EAS	T ROA	12 12	( ( )	<i>1-7</i>			time:	of: 2
						•	by: cmy / RALLEN	
							water depth / time:	water depth / time:
	F4-12						drilling method: ROTASONI C	surface conditions:
<del></del>			اء			⊑	diam: 10-1N BORE start/finish: 4-1N (ORE	elevation:
its)	e I	tion	dept	ē.	(md	Scan	start/finish:	Ciovation
depth (show units)	soil texture	well construction	sample depth	sample. no.	OVA (ppm)	FIDLER	Description: textures, color, moisture, odo fossils, contamination, etc.	
depth (show	<i>a</i>	, <b>,</b> ,			0.5	4919	GRAVEZ, SANDY	LIGHT BROWN
					0.3	5033		. A
-					4.1	4813	CLAY, SILTY, GRAVI	erly, or Game, Blac
-					5.6	4435	FILL	
 					14/20	5067		
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	X					X	No receively	
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<u> </u>	/	·			14	5033	CLAY AND RUBBLE	INCTUDING MODD
<del>-</del>						ļ		
	//				60	4830/		
					105	4514	CLAY, GILTY BLAG	CK, ORGANIC
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<del>-</del> ,		-				5066	PEAT, BLACK	
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		]			-	524	NI	
	1//	-	<u> </u>		2	G21/	GANDS SILTY FIN	IE GRAINZO
							POORLY SORTED	, MOTTLES, GRAY
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	RADIOLOGICAL		ENTAL .	ALCIENER			Soil Boring Log	Boring N ら- MW - ダ分
rine	g Locati	CABRERASERVI					Project:	Proj. No.
	y Lucan	011 11110	•				FUSRAD DUPONT BWG	3I 04-3406.00
							date: 5-10-06	page: Z
	•						time:	of: 7_
							by: c~~	
								woter depth / time:
							water depth / time:	water depth / time:
							drilling method: Rotasonic	surface conditions:
			ļ <del></del> ļ		<b>1</b>	1	diam: 4-12 CORE	
~		c.	žt.		_	Scan	start/finish:	elevation:
depth (show units)	soil texture	weil construction	sample depth	sample. no.	JVA (ppm)			
£ §	ţě.	l Istru	ejd.	agu Be	Α (F	FIDLER	Description: textures, color, moisture, odor	, firmness, fractures, strata, cavities,
depth (show	soil	we.	san	san	8		fossils, contamination, etc.	
-						5270		, Poolin sorted
					772/7	5134	LIGHT GRAY	<b>\</b> "
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					ঠ	रेटाउ		
-	· a				7	5189	SAND MED GRAINE	D WI GRAVEZ YEZLOWISH ORANGE
						<b>7</b>	WELL SORTEN	YEZLOWISH ORANGE
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	$  \wedge  $							
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<u> </u>					9	5308	1	
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0.010	JUNT	Soan	Project: D.Pont Sugglement Cow Investigation date: 5/10/2006 time:0745  by: CM/ / RALLEN water depth / time:  drilling method: ROTASONIC diam: 101N ZORNIC	page: / of: 2  water depth / time:  surface conditions:  ORANOLLET			
EAST ROAD  AUC (6  FIUSH M  4.,,,	SLOT		date: 5/10/2006 time:07 45  by: CM / RALLEN water depth / time:  drilling method: ROTASON C diam: 101N BORN G	page: / of: 2  water depth / time:  surface conditions:  ORANOLLET			
FIUSH M 4-122 0.010	SLOT		by: CMY / RALLEN water depth / time:  drilling method: ROTASONIC diam: 101N BORNG	of: 2.  water depth / time:  surface conditions:  GRAVOL LOT			
FIUSH M 4-1-2 0.010	SLOT		by: CMY / RALLEN water depth / time:  drilling method: ROTASONIC diam: 101N BORNG	water depth / time: surface conditions:			
0.010	SLOT		water depth / time:  drilling method: RoTASONIC  diam: 101N BORNG	surface conditions:			
0.010	SLOT		drilling method: RoTASONC diam: 101N そのない	surface conditions:			
0.010	SLOT E		diam: 101N BORNG	GRAVEL LOT			
	<u> </u>	] E	diam: 101N BORNG	GRAVEL LOT			
v units) xture	le depth le. no. (ppm)	E	ì				
runits)	le dept le, no. (ppm)	1 %	and the same of the contract o	alayatian:			
	का का उ	Š	start/finish: 0800 ~900	elevation:			
Show show oil te	amp XA	FIDLER	Description: textures, color, moisture, odor, firmness, fractures, strata, cav fossils, contamination, etc.				
33 0 50		1/	GROUND SURFACE -	GRAVA LOT			
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- [// ]		5785					
		L _	1 30-1 01-34-160	/ LIGHT BROWN			
		5536/	5703	£			
		5215					
		5191	SAND SILTY	FEN LIGHT BROW			
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<b>^</b>	a RADIOL∕OGICA	RERA S	ENTAL .	REMEDIA			Soil Boring Log	Boring No らへへいっぱん
vri	ng Locat	ion info		<u> </u>			Project:	Proj. No.
~··	ig Local		•				Dulanz FISRAP GW	57 04-3406.00
							date: 5 ~ 10 ~ 6	page: 2
							time: ලපුරෙ	of: 2
							by: cmy / RALLEN	
					٠		water depth / time:	water depth / time:
							drilling method: Rotasonic	surface conditions:
							diam: 16 (1	GRAVEL LOT
iits)	-G	lon	lepth	j.	Ê	Scan	start/finish:	elevation:
depth (show units)	soil texture	weil construction	sample depth	sample, no.	OVA (ppm)	FIDLER	Description: textures, color, moisture, odor fossils, contamination, etc.	i r, firmness, fractures, strata, cavities,
<u> </u>	8	1			٥. (	5231	SAMO, CUARGE (GRA	avelly
_ *	Br. C.	[ <del>[</del> -]				5071	SAND MED GRAIN	IED POORLY SORTED
		-				5090		
_						52.42	GRADES 7	TO LIGHT GRAY
	• ,	1				5230	<u>†</u>	•
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	L.	0 0				5(23		CLAYEY LIGHT
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<del></del>					04	5679	6743 SILT , LIGHT BR	OWN GAMPLE 17.5-1
		J		18		5867	SILT CLAYEY, LIG	HT BROWN, SOFT
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Borin	g Locat	ion info	Ç.					Project: DUPONT SUPPLEMENTAL	Proj. No.
NO	e HTS	IDE	ΔE	Œ	-A-«	77	ď	INUESTICATION	04-3406.00
	B ST			_	. 1 .			date: 5/9/06	page:
						-		time: 1000	/ of: 5
F	10C	6						By: D, KATELEY	
								water depth / time:	water depth / time:
								drilling method: हिंद इस्पांट	
	1		1 1		Ι		T	diam: 4 IN CORE	GRAVEL LOT
The surface of the su	xture	rction	depth	D.	very	(mga)	R Scan	start/finish:	elevation:
depth 🕂	Soil Texture	Well Construction	sample depth	sample. no	% recovery	\$ \$ \$ \$		Description: textures, color, moisture, cavities, fossils, contamination, etc.	odor, firmness, fractures, strata,
	0/6		-	<u>.</u>		74	513	COALLET IN GODIE	SAND FILL
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La_								CLAYER SAND. (	
						0.2	5ક્રમ	CLAY, TAN TO GA	my (ch) (ML)
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4	oc a	e						time: /000	2, of: 5
								C. YOUNG	J
								By: D. KATELEY	M. DRISCOLL
								water depth / time:	water depth / time:
, '								drilling method: Potosonic	
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K (g)	ure	tion	epth	<u>و</u>	چ	Ê	Scan	start/finish:	elevation:
depth Show units)	Soil Texture	struc	ole d	) 	recovery		ER 8	1030	
depth (show	Soil	Well Construction	sample depth	sample, no	. 0	R B	틸	Description: textures, color, moisture, couties, fossils, contamination, etc.	odor, firmness, fractures, strata,
_					1.	5.0	55	74 MED GRAY + TAKE 7 HOLST COMMINISTED	WATTIER ALLSAIN
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						3.8	950 556	! 	
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46						92,0			(5w)
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	RADIOLOGICA	ERAS L ENVIRONM CABRERASERV	ENTAL	REMEDIA			Soil Boring Log	Boring No:
Boring	g Locati	ion info	;				Project: Dupout	Proj. No.
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#	eas foc	(	0				C. YOUNG	
		,						M. Driscoll
		ť,					water depth / time:	water depth / time:
							drilling method: Roto souic	surface conditions:
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Sign (S)	fure	ction	deb	2	(mg	SS	1030	Giovanori.
depth (show units)	soil texture	well construction	sample depth	sample. no	PiO OWA (ppm)	FIDLER Scan	Description: textures, color, moisture, odor fossils, contamination, etc.	
						8220	GAND, WELL SORTED GRAND (SW)	, TAN MEDIUM-
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A.	CABR	RERA S				.į		Soil Boring Log	Boring No:
Borin	g Locat	ion info	TCES.CO	М				Project: DuPorut	Proj. No.
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E	=A5	K	) IC	v				date: 5/9/06	page: 🇸
ı	FAST	-6						time: 1000	of: 5
	100							Ву:	
								water depth / time:	water depth / time:
	4							drilling method: Roto sortic	surface conditions:
75			<del>Г</del>					diam: L"CORE	GRAUGE COT
units)	gy	uction	sample depth	. no.	recovery	(mdd)	can	start/finish:	elevation:
depth (show units)	Lithology	Well Construction	sample	sample. no.	% reco	2	GM Sc	Description: textures, color, moisture, c cavities, fossils, contamination, etc.	odor, firmness, fractures, strata,
_					描	1.8	48	74 SAND, GRAVE	suy, well sonted.
-36	11-02-V-V-12-00				10		13		
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		-				1.1	49.	18 SAHD BRAVER 7 GIGHT BRAY,	LY WELL SORTED
<del>- 3</del> 3							501	7 WGHT GRAY,	(Sw)
						l.l	497	4	
_34	. ,						<del>Soc</del>	NO RECOU	-a.C
_  								190 178000	= 424
<u>-35</u>							ברים	·	7000 and 1000 and 100
_			ŧ		تگک	ÔØ	523	5 SAND, GRAVERY,	WELL SOMED.
_ <del>3</del> (~_							527	CIGHLES DARK	ST 1.5 FT. (Sw)
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37							58 56	37 14	
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		PARIOLOGIC	RERA S	4690AL /	CEMBER			Soil Boring Log	Boring No: しんい・07
	Borin	_	tion info		<u> </u>			Project: Duporet	Proj. No. 09-3906-00
		EA	57 0C-	R	D	e		date: 5/9/06 time: 1060	page: 35
		H(	JC -	( <u>_</u>				by: D. KNTELEY	
	,							water depth / time:	water depth / time:
							_	drilling method: potoscali (?	surface conditions:
	nits)	.ure	ction	depth	. no.	pm)	Scan	start/finish:	elevation:
<del></del> >	depth (show units)	soil texture	well construction	sample depth	sample. no.	7.0 0\4 (ppm)	FIDLER Scan	•	, firmness, fractures, strata, cavities, fossils
RECOUGHY						1,3	5283	DARK GRAY, SAND SORTED. MOIST. (	, GRAUGILY, WELL SW) SLIGHT OBOR
(FCO)	=41					0,5	\$393 \$393 \$322		
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TECHONE	_ 				,	1.2	5168	DARK GRAY JAM WELL SORTED, MOI	D, (SW), GRAVELLY
Z TE						2.3	5117 5142		
00	41			-			5107		
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in the second	<del></del>							NO RECOVER	1

<u>~</u>	CABRERA S	SERVICES				_			· · · · · · · · · · · · · · · · · · ·
	Author-Application in Section 6.	SERVICES	G	AMMA LOC	GING DAT	A FO	RM		SHEET: /
Projec	et: <u>()</u>	, Pont		-	Well No.:		MW Z	OA	_ OF: _/
Projec	t No.:			Ву:	n'ed M.	Vain		Date:	7/18/05
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()-1. 	U (2) A	Sive Since	א משייעני						
	Include a	monitoring	well	constructi	on diagran	n with	this form		
					T	1		T	7
	Depth	reading		Depth	reading		Depth	reading	
	[ft]	[cpm]		[ft]	[cpm]		[ft]	[cpm]	
	1.5 -0.5	6349		6.5 <del>5.5</del> 7.0	5948		10.5		
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	3.5 <del>2.5</del>	5417		8,5 <del>7.5</del> -	5394		12.5		
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	4.5 -3.5	5721		8.5			13.5		
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& MA MANTEUR

CABRERA SERVICES	MONITORING WELL CONSTRUCTION DIAGRAM
oject: Definition of the control of	Boring No.: MW-70 Company: Bruser - Morner Date Installed: 1805 Driller: Brue Krkgstrick Development Method: prup/surge
Ø	Casing stick-up relative to groundsurface: 3 4
	Type of surface seal: Curciete
	Type of surface casing: Septeme Steel
	ID of surface casing:
	Diameter of borehole:
	Riser pipe ID:
	Type of riser pipe: Shub PVC
	Type of backfill: Scind
	Depth to top of seal: $3.5 b_{0.5}$
	Type of seal: benton te chip
	Depth to top of sand: $4.5^{\circ}$ $6.5^{\circ}$
	Depth to top of screen: 5.0' 595
	Type of screen: Sch 40 PVC
	Slot size & length: <u>/ 0 - 5 lo+, 2.5 '</u>
	ID of screen: <u>√ "</u>
	Type of sandpack: <u>OOcpkot2 Same</u>
	Depth ot bottom of screen: 7.3 by 5
	Depth to bottom of sump: 7.5 bgs
	Depth of bottom of borehole: 90' 5gs
Notes:	

CABRERA :	e nako kaj un di enu	GAMMA LO	GGING DAT	A FORM	;	SHEET
Dupo	uT		Well No.:	MW-21	(A)	_ OF
No.:		Ву:	J-KAPP		Date:	
0.5',e	inding w bo	akyvornel				7
nclude a	monitoring	well construc	tion diagram	with this form		
Depth	reading	Depth	reading	Depth	reading	]
[ft]	[cpm]	[ft]	[cpm]	[ft]	[cpm]	
0.5	_	5.5	2810	10.5	4775	
1	5155	6	5346	11	1985	
1.5	51.55	6.5	5084	11.5	S016	
2		7	5178	12	5010	
2.5		7.5	5654	12.5	5140	
3		8	5336	13	5200	
3.5		8.5	5247	13.5	5412	
4	5653	9	5278	14	534	
4.5	2633	9.5	5113	14.5		
5	5852	10	5330	15		
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CABRERA SERVICES	MONITORING WELL CONSTRUCTION DIAGRAM
pject: Defent	Boring No.: MW-21 Date Date Date Date
No.:ogist: MFhillips	Installed: 7/4 05 Driller: Brue Kirk Patrick  Development  Method: Development
8	Casing stick-up relative to groundsurface: 3 4
	Type of surface seal: Concrete
	Type of surface casing: Sepicore steel
	ID of surface casing:
	Diameter of borehole:
	Riser pipe ID:
	Type of riser pipe: Sch 40 AVC
	Type of backfill: <u>Sand</u>
	Depth to top of seal: $5.0' b_{0.5}$
	Type of seal: bentonte chip
	Depth to top of sand: $6.0'$ $6.5$
	Depth to top of screen: 6.5 646
	Type of screen: Seh 40 PVC
	Slot size & length: 10-slot , 2.5'
	ID of screen:
	Type of sandpack: O www tz sand
	Depth of bottom of screen: 8.8 \ \( \square{3} \)
ļ	Depth to bottom of sump: $9.0' 645$
<u> </u>	Depth of bottom of borehole: 14.0 Ly
Notes:	

	Font		_	Well No.:		MW-2:	2	OF:(
No.:	· .		_ By:	Ned Mo	rgan	MW-2:	_ Date:	7/15/05
	monitoring	well	constructi			this form		
Depth	reading	دف ا	Depth	reading		Depth	reading	]
[ft]	[cpm]		[ft]	[cpm]		[ft]	[cpm]	
0.5			5.5	8472		10.5		
1			6	8428		11		]
1.5	8831	*	6.5	880 (	*	11.5		
2	8275		7	8567		12		
2.5	8205		7.5	8401		12.5		1 
3	8553		8			13		
3.5	8073		8.5			13.5		
4	7680		9			14		
4.5	7466		9.5			14.5		
5	7703		10			15		
	T							

CABRERA SERVICES	MONITORING WELL CONSTRUCTION DIAGRAM
oject: Dentoject No.:	Boring No.: MW-22 Date Installed: 71605 Driller: Bruse Kirk Patrick Development
ogist: Mfhillips	Method: pup/surge
Ø	Casing stick-up relative to groundsurface:
	Type of surface seal: Concrete
	Type of surface casing: Space See
	ID of surface casing:
	Diameter of borehole: 8'
	Riser pipe ID:
	Type of riser pipe: Sch 40 PVC
	Type of backfill: Sxcud
	Depth to top of seal: 3.0 bys
	Type of seal: <u>bestonite chip</u>
	Depth to top of sand: 4.0 مربط
	Depth to top of screen: 4.5 Gys
	Type of screen: Sh 40 +0VC
	Slot size & length: (0-slot, 2.5)
	ID of screen:
	Type of sandpack: Ocyvertz send
	Depth of bottom of screen: 6.8 bus
	Depth to bottom of sump: 7.0 5
Notos	Depth of bottom of borehole: 7.0 bgs
Notes:	

VAPORISICAL PROPER	SERVICES NAME OF A MALIONICAL		GAMMA LOGGING DATA FORM					
ject: <u>U</u>	Pont		Well No.:	MW-2	3	OF: <u>/</u>		
ect No.:		Ву:	Ned M.	MW-2	_ Date:	718/05		
1201 <del>st</del>	Sive bon	lacoronal	,			•		
-2.0 W								
Include a	monitoring	well construct	tion diagram	with this form	,			
			1 1					
Depth	reading	Depth	reading	Depth	reading			
[ft]	[cpm]	[ft]	[cpm]	[ft]	[cpm]			
0.5		5.5	5161	12.5 - <del>10.5</del>	5353			
1		6	5084	13.0 -11	4794			
1.5		6.5	4838	13.5 <del>11.5</del>	'467b	,		
2		9.0	4936	14.0 - <del>12</del> -	4860			
2.5	5470	9.5 <del>7.5</del>	4977	14.5 <del>12.5</del>	4595			
3	5165	10.0 <del>-8</del>	6039	15.0 - <del>13</del>	4941			
3.5	5084	10.5 -8.5	6302	157.5 - <del>13.5</del> -	4774			
4	5091	11.0 <del>-0</del>	5610	/6.0 <del>14</del>	4498			
4.5	5450	11.5 -9.5	5489	16.5	4464			
5	5272	12.0 <del>10</del>	5423	15				
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CABRERA SERVICES	MONITORING WELL CONSTRUCTION DIAGRAM
roject: De Font roject No.:	Boring No.: 10-23 Drilling Company: Buser - Morner  Date Installed: 7/8/05 Driller: Breekink, whick  Development Method: Amplance
Ø	Casing stick-up relative to groundsurface:
	Type of surface seal:
	Type of surface casing: Symme steel
	ID of surface casing:
	Diameter of borehole:
	Riser pipe ID:
	Type of riser pipe: Sh 40 PVC
	Type of backfill: <u></u> <u> </u>
	Depth to top of seal: 6.5 5
	Type of seal: beatonite chip
######################################	Depth to top of sand: $\frac{7.5  ^{\prime}  \text{L}_{95}}{2.5  \text{L}_{95}}$
	Depth to top of screen: $8.0'$
	Type of screen: Sch 40 AVC
	Slot size & length: <u>l0-slot, l0.0'</u>
	ID of screen:
	Type of sandpack: (O gowt 2 same)
	Depth of bottom of screen: 17.7 bys
	Depth to bottom of sump: 18.0' 545
Notes:	Depth of bottom of borehole: 18.015
110165.	

		background vell constructi		MW-		
Depth	reading	Depth	reading	Depth	reading	]
[ft]	[cpm]	[ft]	[cpm]	[ft]	[cpm]	
0.5 1 1.5 2 2.5 3 3.5 4	4605 5202 4259 4368 4312 4323 4210	5.5 6 6.5 7 7.5 8 8 8.5	4217 4760 5352 5492 5092	10.5 11 11.5 12 12.5 13 13.5 14		
5	426					

CABRERA SERVICES	MONITORING WELL CONSTRUCTION DIAGRAM
pject: Dfout roject No.:	Boring No.: MW-24 Drilling Company: Briser-Morner Installed: 71705 Driller: Brise Kirkpatrick
ogist: M. M. Mys	Development  Method: Dimp Svije
	Casing stick-up relative to groundsurface:
	Type of surface seal: Concrete
	Type of surface casing: square steel
	ID of surface casing:
	Diameter of borehole:
	Riser pipe ID:
	Type of riser pipe: Sch 40 FVC
	Type of backfill: Sind
	Depth to top of seal: $4.0'$ $66.5$
	Type of seal: bentonte chip
	Depth to top of sand: 5.01 645
	Depth to top of screen: 5.5 has
	Type of screen: Sh 40 FVC
	Slot size & length: (0-slot, 2.5)
	ID of screen:
	Type of sandpack: Wewart 2 Sound
	Depth of bottom of screen: 7.8' 545
	Depth to bottom of sump: 8.01 5,5
(December of	Depth of bottom of borehole: 7.0 \( \frac{1}{2.5} \)
Notes:	

oject: Du Pont oject	Boring No.: MW-25 Drilling Company: Boart Longye
No.: ogist: J. Von Ud	Installed: 11-19-55 Driller: Jon Werks  Development  Method: Pump / Surge
	Casing stick-up relative to groundsurface: 3 ft.
	Type of surface seal: Concrete
	Type of surface casing:
	ID of surface casing:
	Diameter of borehole:
	Riser pipe ID: 4 "
	Type of riser pipe: 5th 48 PVC
	Type of backfill: Great
	Depth to top of seal: 28
	Type of seal: bentanite chip
·	Depth to top of sand: 29.5
	Type of screen: 54 40 PVC
######################################	
**************************************	Slot size & length: $16-5lot,5+$
	ID of screen:
( )	Type of sandpack: Oo quartz Sav
	Depth of bottom of screen: 3 1.
ľ	Depth to bottom of sump: 35
	Depth of bottom of borehole:

CARRERA S	SERVICES					
CABRERA S	<u>_</u>		GING DATA			EET:/_
Project:	out	_	Well No.:	MW-26	>	OF:/
roject No.:		Ву:	Ned Mar	MW-2(c	Date: 7	17/05
0-1.5' read	lugs at backy	,		,		
Include a	monitoring we	ell constructi	ion diagram v	with this form		
Depth	reading	Depth	reading	Depth	reading	
[ft]	[cpm]	[ft]	[cpm]	[ft]	[cpm]	
1.5	4254	5.5		10.5	5282	
2.0 <del>-1</del>	4148	6		11	4648	
2.5 - <del>1.5</del>	4167	6.5	3758	11.5	4600	
3.0	17254	7	3794	12	4453	
<u>り.5</u> -2.5	4239	7.5	4049	12.5	4453	
4.0	4214	8	4189	13		
4.5 -3.5	4199	8.5	4073	13.5		
4		9	4869	14		
4.5		9.5		14.5		
5		10	4796 5123	15		
	<b>†</b>		†			
	†······					
	<b>4</b>	1	1			

CABRERA SERVICES M	ONITORING WELL CONSTRUCTION DIAGRAM
ject: Dect	Boring No.: MW-26 Date Installed: 71705 Driller: Bruck Kirk Artrick
gist: MACILIAS	Development  Method: first singe
Ø	Casing stick-up relative to groundsurface:
	Type of surface seal: Concrete
	Type of surface casing: 44, vare steel
	ID of surface casing:
	Diameter of borehole:
	Riser pipe ID:
	Type of riser pipe: Sh 40 AVC
	Type of backfill: 5cmd
	Depth to top of seal: $4.5' 665$
	Type of seal: <u>Senturite chips</u>
8888 88	Depth to top of sand: $5.5'  \omega_{15}$
	Depth to top of screen: 6.5 5
	Type of screen: Sch 40 AVC
	Slot size & length:// <u>0-slot</u> , 2-5
	ID of screen:
	Type of sandpack: ( ) crowt 2 Same
	Depth of bottom of screen: 78 665
	Depth to bottom of sump: $8.0^{\circ} \overline{b_{a_1 a_2}}$
	Depth of bottom of borehole: $(2, 0)$ $b_{66}$
Notes:	

CABRERA SERVICES MC	ONITORING WELL CONSTRUCTION DIAGRAM
Dufout Project: Surflement of Investige Project No.: 04-3406.00  Geologist: Ken Marion	Boring Drilling  at No.: 4-MW-0 (Company: Boart Longyear)
	Type of surface seal: Cement  Type of surface casing: Steel  ID of surface casing: 6 - inch  Diameter of borehole: 10 - inches  Riser pipe ID: 4 - inch  Type of riser pipe: Schedule 40 PVC  Type of backfill: Cement growthix  Depth to top of seal: 8 entonite chips  Depth to top of sand: 7.6  Depth to top of screen: 9.6  Type of screen: Schedule 40 PVC  Slot size & length: 10 , 10 ft  ID of screen: 4 - inch  Type of sandpack: 00 Sand  Depth to bottom of screen: 19.6  Depth to bottom of screen: 20.6  Depth to bottom of screen: 20.6
Notes: 4-inch s	and
13 Dags	of said
	bentonite Chips (hale Plug)

CABRERA SERVICES MONITORING WELL CONSTRUCTION	N DIAGRAM
Project: Supplementary Interfaction No.: 4 MW-02 Company Project  No.: 04 3 464 CO. Installed: 5 5 4 C. Drillor	Boart Longyear
No.: 04-3406.00 Installed: 5-8-66 Driller:  Developmen	It
Geologist: Ken Marson, Dava Kateley Method	nt d: Jarge Block
Casing stick-up relative to groundsurface	× ~3′
Type of surface seal	: Cement
Type of surface casing	Steel
ID of surface casing	- 6-inch
Diameter of borehole	10-inch
Riser pipe ID	: 4-inch
Type of riser pipe	Jeh 40 PVC
Type of backfill	Cement Grout Mix
Depth to top of seal	
Type of seal	Bentonite Chips
Depth to top of sand	5.
Depth to top of screen:	7.1
Type of screen:	sch 40 pvc
Slot size & length:	10,25ft
ID of screen:	4-inch
Type of sandpack:	00 Sand
Depth ot bottom of screen:	9 ,
Depth to bottom of sump:	
Depth ot bottom of borehole:	
Notes: 4-inch sump	
3 Bays Hole Plug	
2 249 1000	

CABRERA SERVICES MONITORING WEL	L CONSTRUCTION DIAGRAM
Du Pout Boring	Drilling 0
Project Supplementary Investigation No.: 4 No Date	W-05 Company: Boart Longyear
	Development Development
Geologist: Ken Marion/Dava Keteley	Method: Surge Block
Casing stick-up re	elative to groundsurface:
	Type of surface seal:
	Type of surface casing:
	ID of surface casing: 6 - inch
	Diameter of borehole: /b-inch
	Riser pipe ID: 4-inch
	Type of riser pipe: Sh 40 PVC
	Type of backfill: Cement Grout Mix
	Depth to top of seal: 3. 1
	Type of seal: Bentonite Chips
	Depth to top of sand: 5.
	Depth to top of screen:
montparamon (	Type of screen: Sch 40 PVC
	Slot size & length: 10, 2 5 ft
	ID of screen: 4-inch
	Type of sandpack: Oo Sand
Dep	oth ot bottom of screen: 9.6
De	epth to bottom of sump:
. ·	ot bottom of borehole:
Notes: 4-inch Sump Y Bans Sand	•••••••••••••••••••••••••••••••••••••••
3 Bags Hole Plug	

DOPONT roject Supplemental	Boring Drilling No. 4 MW-06 Company: BOXET LONGY
Project INUESTIGATION	Date
No. 04-3406 00	Development Development
logist: D, Knowney	Method: SURGE BUSCIC
9	Casing stick-up relative to groundsurface: $\sim$ 3 FT
	Type of surface seal: (Ement
	Type of surface casing: 5TEEL
	ID of surface casing: בּ נُבּוֹ אַ
	Diameter of borehole:/ひ ルル
	Riser pipe ID:
	Type of riser pipe: <u>幺んり</u> アレC
	Type of backfill: CEMENT GROOT
	Depth to top of seal: 4 FT
	Type of seal: BEHTONITE CHIE
	Depth to top of sand: 5 FT.
	Depth to top of screen: 5.5 FT
	Type of screen: 5cH. 40 Puc
	Slot size & length: 10 , る。テモ
### ##################################	ID of screen: <u> </u>
	Type of sandpack: 〇〇 久へし
	Depth ot bottom of screen: ${\cal S}$
t e	Depth to bottom of sump:
name o main de dans (10 villa de 10).	Depth ot bottom of borehole:
Notes: 4 IN SUM	

CABRERA SERVICES MONI	TORING WELL CONSTRUCTION DIAGRAM
	Date stalled: 5-8-06 Driller: John Weeks
Geologist: Ken Marion Da	ve Kateley Method: Surge Black
	Casing stick-up relative to groundsurface:
	Type of surface seal: Cement
	Type of surface casing:
	ID of surface casing: 6 - inch
	Diameter of borehole: 10-1mh
	Riser pipe ID: Y=inch
	Type of riser pipe: Jch 40 PVC
	Type of backfill: Cement grout mix
	Depth to top of seal: 3.1
	Type of seal: Bentonita Chips
	Depth to top of sand: $S_3$
	Depth to top of screen:
intermental and a second and a	Type of screen: Sch 40 PVC
	Slot size & length: 10, 2.5 ft
	ID of screen: 4 - inch
	Type of sandpack: 00 5 and
	Depth of bottom of screen: 9.6
	Depth to bottom of sump:
empo semento mentro trata que	Depth ot bottom of borehole:
Notes: 4-inch Jun	• <del></del>
4 Bags Sau 3 Bags Hol	re Plug

Project: Project No.:	Boring No.: A4 (0 MW 0) Date  Installed: 11/29/05  Driller: So Weeks
ologist: Joe Va Weritz	Development
	Casing stick-up relative to groundsurface: Flush
	Type of surface seal: Concrete
	Type of surface casing: Steel Flushmant
	ID of surface casing: 8 inch Flushment
	Diameter of borehole: 12-jach
	Riser pipe ID: 4- inch
	Type of riser pipe: SCL 40 PVC
	Type of backfill: # 0 Sand
	Depth to top of seal: $\frac{4-6}{4}$
	Type of seal: Bentonite + Grout
	Depth to top of sand: 6 - F +
	B Depth to top of screen: 8-F+
	Type of screen: Sch 40 0.01"slot
	Slot size & length: O. O. 1 10 - F+
	ID of screen: 4- inch
	Type of sandpack: #
	Depth ot bottom of screen:
	Depth to bottom of sump:
<u> </u>	Depth of bottom of borehole: 20 - F+

ject:	No.: 6 Mw 02 Drilling Company: Brust Languege
No.:	Installed: 11 29 05 Driller: Son Wooks
gist: Joe Von Wag	Development  Method: RotoSovic
	Casing stick-up relative to groundsurface: Flush
	Type of surface seal: Concrete
	Type of surface casing: Steel Flushmant
	ID of surface casing: 8 1 LCL Flushman
	Diameter of borehole: 12-inch
	Riser pipe ID: 4-1-ch
	Type of riser pipe: Sch 40 PVC
	Type of backfill: # O Sand
	Depth to top of seal: U -/ 2 1/
	Type of seal: Restarite + Coract
	6 Depth to top of sand: 6 F+
	B Depth to top of screen: 8-5+
0000000	Type of screen: Sch 40 0.01'S
00000000 00000000 00000000 00000000	Slot size & length: O. O. 1 10- F+
	ID of screen: 4-inch
	Type of sandpack: #
	Depth of bottom of screen:
	Depth to bottom of sump:
	Depth of bottom of borehole: Zo- F+
Notes:	

CABRERA SERVICES	MONITORING WELL CONSTRUCTION DIAGRAM
Project: Project No.: Dlogist: 5E Vor Mdu	Boring No.: 6MW 03 Company: Roget Longen Date Installed: 11/30/05 Development Method: Rotosovic
	Casing stick-up relative to groundsurface: Flush  Type of surface seal: Concrete  Type of surface casing: Steel Flushmant  ID of surface casing: B-inch Flushmant  Diameter of borehole: 12-inch  Riser pipe ID: 4-inch  Type of riser pipe: Sch 40 PVC  Type of backfill: # O Sand  Depth to top of seal: 4-6 + 2-4  Type of seal: Botonite + Gnow
Notes:	Depth to top of sand: 6-F+  Depth to top of screen: 8-F+  Type of screen: Sch. 40 0.01" slo  Slot size & length: 0.01"/10-F+  ID of screen: 4-inch  Type of sandpack: 40  Depth of bottom of screen:  Depth to bottom of sump:  Depth of bottom of borehole: 20-F+

Dufont Dject Supplementary Investig	Boring Drilling Company: Boart Longyea
No.: 04-3406.00	Date Installed: 5-10-06 Driller: John Weeks
ogist: Carl Young	Method: Strge Block
	Casing stick-up relative to groundsurface: Flush Mount
	Type of surface seal:
	Type of surface casing: Manhale_
	ID of surface casing: 10 -inch
	Diameter of borehole: /O-inch
	Riser pipe ID: 4-inch
	Type of riser pipe:
	Type of backfill: Cenent grout m
	Depth to top of seal: 5.6
	Type of seal: Bentonite Chips
	Depth to top of sand: 7.6
	Depth to top of screen:
	Type of screen: 50h 40 PVC
	Slot size & length: 10, 10 ft
	ID of screen: 4-inch
	Type of sandpack: Oc Sank
	Depth of bottom of screen:
	Depth to bottom of sump: 19-6 30
<u> </u>	Depth ot bottom of borehole: 30

Depth to top of seal:  Type of seal:  Depth to top of sand:  Depth to top of screen:  Type of screen:  Type of screen:  Slot size & length:  ID of screen:  4-inch	CABRERA SERVICES MO	NITORING WELL CONSTRUCTION DIAGRAM
Type of surface seal: Cement  Type of surface casing: Manhole  ID of surface casing: /O-inch  Diameter of borehole: /O-inch  Riser pipe ID: Y-inch  Type of riser pipe: Sch 40 PVC  Type of backfill: Cement grout mix  Depth to top of seal: S. 6  Type of seal: Bentanite Chips  Depth to top of screen: 9,6  Type of screen: Sch 40 PVC  Slot size & length: 10, 10 ft	Project: Supplementary Investige Project No.: 04-3400.00	No.: 6-MW-05 Company: Beart Langler Date Installed: 5-10-06 Driller: John Weeks  Development
Depth of bottom of sump:		Type of surface seal:  Type of surface casing:  Mawhele  ID of surface casing:  Diameter of borehole:  Type of riser pipe:  Type of backfill:  Cement grout mix  Depth to top of seal:  Depth to top of sand:  Type of screen:  Slot size & length:  Type of sandpack:  Type of sandpack:  Depth ot bottom of screen:  Type of sandpack:  Depth ot bottom of screen:  Type of sandpack:  Depth ot bottom of screen:  Type of screen:  Type of sandpack:  Depth ot bottom of screen:  Type of screen:  Type of sandpack:  Depth ot bottom of screen:  Type of screen:  Type of sandpack:  Depth ot bottom of screen:  Type of screen:  Type of sandpack:  Depth ot bottom of screen:

CABRERA SERVICES MC	ONITORING WELL CONSTRUCTION DIAGRAM
Du Port Project: Surplementary Invost Project No.: 04-3406.00	Installed: 5-10-06 Driller: John Weeks
ologist: <u>Carl Dune</u>	Development  Method: Surge Block
	Casing stick-up relative to groundsurface: Hush Mount
	Type of surface seal:
	Type of surface casing: //wwwole
	ID of surface casing: 10 - inch
	Diameter of borehole:
	Riser pipe ID: 4-inch
	Type of riser pipe: Sch 40 PVC
	Type of backfill: cement grout mix
	Depth to top of seal: 5.6
	Type of seal: Bentenite Chips
	Depth to top of sand:
	Depth to top of screen: 9.6
The control of the co	Type of screen: Sih 40 PVC
Programme Andrews Andr	Slot size & length: 10,10 ft
	ID of screen: 4-inch
	Type of sandpack: OO Sond
	Depth of bottom of screen:
	Depth to bottom of sump:
Notes: 4-{a.h.	Depth of bottom of borehole: 20
***************************************	

CABRERA SERVICES	CABRERA SERVICES MONITORING WELL CONSTRUCTION DIAGRAM		
Duront oject: <u>Supplementar/</u> 1	Boring Drilling Company: Boart Longyeon		
roject No.: <u>0Y-3406,€</u>	Date		
ogist: Carl Young	Development  Development  Method: Surger Block		
	Casing stick-up relative to groundsurface: Flush Mount		
	Type of surface seal: Coment		
	Type of surface casing:		
	ID of surface casing: 10 - inch		
	Diameter of borehole: 10 - inch		
	Riser pipe ID: 4-inch		
	Type of riser pipe: Sch 40 PVC		
	Type of backfill: cement grout mix		
	Depth to top of seal: 35.6		
	Type of seal: Bentonite Chips		
	Depth to top of sand: 37.6		
	Depth to top of screen: 39.6		
Name of the second of the seco			
	Slot size & length: 10, 10 ++		
	ID of screen: 4-inch		
	Type of sandpack: Oo Jond		
	Depth of bottom of screen: 49.6		
	Depth to bottom of sump:		
Notes: 4- in	Depth ot bottom of borehole: 50		
Notes: 7— i.e	uch Sump		