APPENDIX G

Well Development Records and Water Level Measurement Forms

G-1: Piezometer Records

G-2: Monitoring Well Records

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ERA SERVICES Project Name: Project Location:

Site Name:

Acc 4

RADIOLOGICAL ENVERTINATE (F1) REMECHAZION

Well Designation:	4-44-01
Condition:	
Well Grout Date:	
Well Installation Date:	

Gauge Date:	
Sounding Method:	wi Meter
Stick up/down (ft):	3'
Static Water Level:	
Development Date:	6-9-06
Surge Device:	Bioch

Gauge Time:	
Measurement Reference:	
Well Diarneter (in):	4
Screen Length (ft):	10
Development Time:	<u> </u>

Weather:

Well Volume Determination

A Well Depth:	
B Depth to Water:	4.40
C Liquid Depth (A-B):	
D Well Volume/ft:	
E Well Volume (CxD)gal:	
F Liquid Screen Length (ft):	

G Borehole Vol/ft:	
H Borehole Vol (CxG)gal:	
Sand Vol (H-E) gal:	
J Liquid Vol in Sand (lx0.3) gal:	
K One Well Volume (E+J)gal:	

	Beginning	1	2	3	4] 5	
Time (min)	1420		1450	1500	1510	1520	
Pump Rate (gpm)	177	ì	₹	1	1	(
Volume purged	Ü	20	30	40	50	60	
рН	_	_	*	Ĵ			
Temperature (C)	_	_	-				
Conductivity (umhos/cm)	-	_					
Turbidity (NTU)		112	38	34	13	10	
Dissolved Oxygen (mg/L)			ſ				
Eh (mV)	T		ı				
]
						<u> </u>	

Total volume of water removed Estimated Recharge Rate

Depth to sediment before development:	21.82ft bgs
Depth to sediment after development	<i>ঽ(১</i> ৡৡ ft bgs

Development Description:

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RADIOLOGICAL ENVIRONAISCO	
REMEDIATION	
l	

Project Name: Project Location: Site Name:

Well Designation:	4-MW-03
Condition:	
Well Grout Date:	
Well Installation Date:	

Gauge Date:			
Sounding Method:	WL Netter	Gauge Time:	
Stick up/down (ft):	3′	Measurement Reference:	
Static Water Level:	4.83	Well Diameter (in):	4
Development Date:	6-9-06	Screen Length (ft):	2.5
Surge Device:	Surge Bloc	Development Time:	
Weather: Summ	and wa	rm	

Well Volume Determination

	Well Woldlife Determination
A Well Depth:	G Borehole Vol/ft:
B Depth to Water:	H Borehole Vol (CxG)gal:
C Liquid Depth (A-B):	l Sand Vol (H-E) gal:
D Well Volume/ft:	J Liquid Vol in Sand (lx0.3) gal:
E Well Volume (CxD)gal:	K One Well Volume (E+J)gal:
F Liquid Screen Length (ft):	

	Beginning	1	2	3	4	5
Time (min)	1255	1310	1325	1335	1350	1705
Pump Rate (gpm)	• 5	15	, 5	aŠ.	J 5	.5
Volume purged	0	7.5	15	20		
pН		4	ļ	1		
Temperature (C)			(
Conductivity (umhos/cm)			1	-		
Turbidity (NTU) FAW		169	6.3	47	42	0
Dissolved Oxygen (mg/L)			,			
Eh (mV)		-				4.88
Water Level						

Foldino pargoa		7.5				
pН		-		_		<u> </u>
Temperature (C)						
Conductivity (umhos/cm)			_		<u> </u>	
Turbidity (NTU) FAW		169	6.3	147	42	0
Dissolved Oxygen (mg/L)	-			<u> </u>		
Eh (mV)			_		ــــر.	7.88
Water Level						
				<u>]</u>		
Total volume of water re	mound		nal			
		N.50	yaı .			
Estimated Recharge Ra	te	N.50	10mc			

Depth to sediment before develo	pmert:	ivio fi	bgs		
Depth to sediment after devel		1 41 1 10	bgs		
Development Description:	Mudd usina		Black	for 15	- te
Develop Action	()				—

FIELD RECORD OF WELL DEVELOPMENT Project Name: **Project Location:** - AOC4 CABRERA SERVICES Site Name: 4-MW-05 RADIOLOGICAL ENVIRONALE (14). REMONION Well Designation: 4-MW-05 Condition: Well Grout Date: Well Installation Date: Gauge Date: Gauge Time: Sounding Method: Measurement Reference: Stick up down (ft): Well Diameter (in): Static Water Level: Screen Length (ft): Development Date: Development Time: Surge Device: Weather: **Well Volume Determination** G Borehole Vol/ft: A Well Depth: H Borehole Vol (CxG)gal: B Depth to Water: C Liquid Depth (A-B): I Sand Vol (H-E) gal: Liquid Vol in Sand (lx0.3) gal: D Well Volume/ft:

E Well Volume (CxD)gal: F Liquid Screen Length (ft):

	Beginning		2	3	4	5
Time (min)	10855	0410	0920	0930	0940	
Pump Rate (gpm)	i	j	ì	1	l	
Volume purged	0	15	25	35	45	
pН		-	,	_	j	
Temperature (C)	-	-	`	_	-	
Conductivity (umhos/cm)	_	_	-		~	
Turbidity (NTU)		43	34	18	8	
Dissolved Oxygen (mg/L)	T -	•	-)	-	
Eh (mV)		_	1	~)	
	1					

K One Well Volume (E+J)gal:

Total volume of water removed Estimated Recharge Rate	gal
Depth to sediment before development: Depth to sediment after developme Development Description:	
SURGED 15 Mid.	AFTER DEVEL = 4.95 FT.

495

FIELD RECORD OF WELL DEVELOPMENT **Project Name: Project Location:** CABRERA Site Name: SERVICES RADPOLOVICAL ENVERONMENTAL REMEDIATION 4-MW-06 Well Designation: Condition: Well Grout Date: Well Installation Date: Gauge Date: Gauge Time: Sounding Method: Measurement Reference: Stick up/down (ft): Well Diameter (in): Static Water Level: Screen Length (ft): Development Date: Development Time: Surge Device: Weather: **Well Volume Determination** G Borehole Vol/ft: A Well Depth: H Borehole Vol (CxG)gal: B Depth to Water. I Sand Vol (H-E) gal: C Liquid Depth (A-B): J Liquid Vol in Sand (lx0.3) gal: D Well Volume/ft: One Well Volume (E+J)gal: E Well Volume (CxD)gai: F Liquid Screen Length (ft): 3 2 Beginning 035 Time (min) Pump Rate (gpm) 50 Volume purged рΗ Temperature (C) Conductivity (umhos/cm)

Turbidity (NTU) A (A)
Dissolved Oxygen (mg/L)

Total volume of water removed Estimated Recharge Rate 75

Depth to sediment before development:

Development Description:

Depth to sediment after development

Eh (mV)

water

5

5,74

の 56 ft bgs

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Project Name: Project Location:

Site Name:

DUPONT DU3 - ACCY

RADIOS/SCAL BNVIR/SNASE/441 BEARGEADON

Well Designation:	4-MW-07
Condition:	
Well Grout Date:	
Well Installation Date:	

Gauge Time:	
Measurement Reference:	
Well Diameter (in):	4
Screen Length (ft):	2.5
Development Time:	
	Well Diameter (in): Screen Length (ft):

Well Volume Determination

A Well Depth:	
B Depth to Water:	4.10
C Liquid Depth (A-B):	
D Well Volume/ft:	
E Well Volume (CxD)gal:	
F Liquid Screen Length (ft):	

G Borehole Vol/ft:	
H Borehole Vol (CxG)gal:	
I Sand Vol (H-E) gal:	
J Liquid Vol in Sand (lx0.3) gal:	
K One Well Volume (E+J)gal:	

	Beginning	1	2	3	4	5	6
Time (min)	1315		1340	350	1400	1410	
Pump Rate (gpm)	1	i	1		1		
Volume purged	0	15	⊋ક્	35	45	5-5	
рН		_	· \	,,,,,,,	· ·		Į
Temperature (C)	_						ļ.
Conductivity (umhos/cm)							
Turbidity (NTU)		42	a1_	15	/3	8	
Dissolved Oxygen (mg/L)		-	<u> </u>				İ
Eh (mV)			_				
							ļ
]

Total volume of water removed Estimated Recharge Rate

Depth to sediment before developme		
Depth to sediment after developr		
Development Description:	BLACK SILTY WATER	•
SURGED 15 HIN.	PURGED 10 MIN SURGE AGAIN 10 MI	
DOTH TO WATER AG	TER DEVIEL : 4.86	
• • • • • • • • • • • • • • • • • • • •		

CABRERA SERVICES	

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Project Name: Project Location: Site Name:

Well Designation:	6 MW 01
Condition:	600d
Well Grout Date:	11123/05
Well Installation Date:	11/23/05

Gauge Date:	2011/51		
Sounding Method:	water Take	Gauge Time:	745
Stick up/down (ft):	Flush	Measurement Reference:	Puc
Static Water Level:		Well Diameter (in):	41"
Development Date:	12-1-05	Screen Length (ft):	10-Ft
Surge Device:	Sure Black	Development Time:	
Weather: 40°f			

Well Volume Determination

A Well Depth:	18.00
B Depth to Water:	19.67
C Liquid Depth (A-B):	8.33
D Well Volume/ft:	0.653
E Well Volume (CxD)g	
F Liquid Screen Lengt	h (ft):

G Borehole Vol/ft:	
H Borehole Vol (CxG)gal:	
I Sand Vol (H-E) gal:	
J Liquid Vol in Sand (lx0,3) gal:	
K One Well Volume (E+J)gal:	

	Beginning	1	2	3	4	5
Time (min)	8860	950	903	11507	15-14	1376
Pump Rate (gpm)				I U		
Volume purged		30	40	100	65	67
pH						
Temperature (C)						
Conductivity (umhos/cm)						
Turbidity (NTU) FAU		40	39	50	17	11
Dissolved Oxygen (mg/L)						
Eh (mV)						

Total volume of water removed

Estimated Recharge Rate

Stort 4: 4 2 - 1412

1347

Total volume of water removed

Estimated Recharge Rate

Depth to sediment before development: Depth to sediment after development Development Description:	16.21 Alber - Very SOFT 17.12 Alber - 17.61 BGS

CABRERA SERVICES
RADIOLOGICAL ENVIRONALEGAL REMEDIADON

FIELD RECORD OF WELL DEVELOPMENT

Project Name: Project Location: Site Name:

Well Designation:	CMWORS
Condition:	6004
Well Grout Date:	11/29/05
Well Installation Date:	11/29/03

12-0-05		
water Tapo	Gauge Time:	900
Elush	Measurement Reference:	Pue
9.62	Well Diameter (in):	4
12/1/05	Screen Length (ft):	10.Fx
Surge	Development Time:	38m.'u
	5105h 9.62 12/1/05	Gauge Time: Measurement Reference: Well Diameter (in): Screen Length (ft):

Well Volume Determination

Well Depth:	17.20	G Borehole Vol/ft:
Depth to Water:	9.62	H Borehole Vol (CxG)gal:
Liquid Depth (A-B):	7.58	I Sand Vol (H-E) gal:
Well Volume/ft:	0.653	J Liquid Vol in Sand (lx0.3) gal:
Well Volume (CxD)gal:		K One Well Volume (E+J)gal:
Liquid Screen Length (ft):		

	Beginning	1	2	3	4	5
Time (min)	915	932	934	1939	95-3	
Pump Rate (gpm)						
Volume purged		20	22	27	50.	
рН						
Temperature (C)						
Conductivity (umhos/cm)						
Turbidity (NTU) FAU		45	9	5	7	
Dissolved Oxygen (mg/L)						
Eh (mV)						

Total volume of water removed Estimated Recharge Rate

Depth to sediment before development:	1) 2 Oft bass 17.6 BGJ
Depth to sediment after development	13.24 ft bgs 11.6.561
D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1	

* Penned	ALOTEN	Sonal	40	cet	Shote	
		0		-		

			Drain of Ma								
N 8	my ym ym ym A		Project Na					-			
	RVICES		Project Loc Site Name					_			
			Site Name								
HEY A	OSECAL NASBORAL	Mall Des	I AI		1/211		7				
KECH!	MON	Well Des			OM	200	-				
		Well Gro			(200	1-6	-				
			allation Date:		1/30/		-				
		VVCII IIISU	allauon Date.		1.11/	30/05					
	Gauge Date:		172/1105	7							
	Sounding Meth	od.	I at de A		Gauge Tim	10.		1945	7		
	Stick up/down (Elush	1		ent Reference:		Auc	+	1	
	Static Water Le	to be a second	1033	1	Well Diame			Yainch	-		
	Development D		12-1-05	1	Screen Ler			10.F+	-		
	Surge Device:		Sura Ble	10	Developme			10.11	-		
	Weather:		100,00	no.	1 - 31 c. opinic						
	Well Depth:		17.21		Determinate G Borehole V	ol/ft:					
	Depth to Water:		10.33		H Borehole V						
	Liquid Depth (A	-B):	6.88		Sand Vol (I	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TRANSPORT TO THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW					
1960	Well Volume/ft:		0.653		The same of the sa	n Sand (lx0.3)					
- KYSE	Well Volume (C				K One Well V	olume (E+J)ga	l:				
F	Liquid Screen L	ength (ft):									
-			Beginning	1	2	3	4	5]		
	Time (min)		1000	1024	1008	11108	1113	1137	1429	1431	11
	Pump Rate (gpr	n)									
	Volume purged		1	40	50	16995	105	150	180	185	(
	pH										
	Temperature (C	And the second second									
- 1	Conductivity (un	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON				168			-		**
-	Turbidity (NTU)	LAU		65	61	75	660	85	62	12	(
	Dissolved Oxyg	en (mg/L)								-	1
	Eh (mV)										
1		_									
	* Ster	Lod P. 3	1-50 141	2							
	Total volume			220	gal						
	Estimated Re			ZGPN						100	
		ond go it		COPP	_						

Development Description:

^_	FIEI	LD RECO	RD OF I	WELL DI	EVELOP	MENT			
		Project Nan	ne:	Dog	THO	SI			
ABRERA		Project Loc			RD - OL		x.6		
ERVICES		Site Name:			7 W - C		/		
DiOLOGICA:							•		
viietaraalistees vaatioota	Well Desig	nation:		6-H	W-04	1			
(445) 1144 H. 124	Condition:				<u> </u>	1			
	Well Grout	: Date:				7			ĺ
	Well Instal	lation Date:]			
Gauge Date:		Т	1						
Sounding Met	od.	 	ĺ	Gauge Time	··			1	
Stick up down		.5 FT	1		nt Reference:				
Static Water L		4.85 56		Well Diamet					
Development Date:		10-8-06	į.	Screen Leng			<u> </u>		
Surge Device:		Biock		Development Time:					
)A/45	COMMY	- 70'5	; ;	<u> </u>				۱ .	
	Lows			- ··· · · · · · · · · · · · · · · · · ·			-	•	
_	₇	Well V	olume D	eterminati	on			_	
A Well Depth:			G	Borehole Vo	l/ft:				
B Depth to Wate	:	9.85 FT	н	Borehole Vo	l (CxG)gal:]	
C Liquid Depth (/	∖- B):		1	Sand Vol (H	-E) gal:]	
D Well Volume/ft			J	Liquid Vol in	Sand (lx0.3)	gal:]	
E Well Volume (CxD)gal:		к	One Well Vo	olume (E+J)ga	ıl:]	
F Liquid Screen	_ength (ft):								
		Beginning	1	2	3	4	5] 4	
Time (min)		1055	1110	1125	1135	1145	1240	1250	130
Pump Rate (gr	m)		1	1		1	/	l	1
Volume purged		0	15	30	40	50	55	65	75
рН						٠]	}
Temperature (C)		-				_]	
Conductivity (u	mhos/cm)	_	_						<u> </u>
Turbidity (NTU)	_	253	96) ai	20	14	7	7
Dissolved Oxy	gen (mg/L)		-]	
Eh (mV)						ļ		1	
<u> </u>		<u> </u>			ļ	-	 	-	
		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	ļ	1

Estimated Recharge Rate

Development Description:

Depth to sediment before development:

Depth to sediment after development

1150 BRAKE FOR LUNCH 1235 RESUME PURGE

CABRERA SERVICES	

Project Name:

DUPONT SI

Project Location: Site Name:

CAST ROAD, OUZ, ACC-6

RADIOLOGICAL ENVERTINATE CAL REMOTADON

Well Designation:	6-MW.05
Condition:	
Well Grout Date:	
Well Installation Date:	

Gauge Date: Sounding Method:		Gauge Time:	
Stick up (down (ft):	15 FT	Measurement Reference:	
Static Water Level:	10.57 FT	Well Diameter (in):	40
Development Date:	6-8-06	Screen Length (ft):	10.
Surge Device:	Buck	Development Time:	

Well Volume Determination

A	Well Depth:	
В	Depth to Water:	10,51 FT
С	Liquid Depth (A-B):	
D	Well Volume/ft:	
E	Well Volume (CxD)gal:	
F	Liquid Screen Length (ft):	

G Borehole Vol/ft:	
H Borehole Vol (CxG)gal:	
I Sand Vol (H-E) gal:	
J Liquid Vol in Sand (lx0.3) gal:	
K One Well Volume (E+J)gal:	

	Beginning	1	2	3	4	5
Time (min)	0910	0920	0440	0945	3455	
Pump Rate (gpm)	1 GPM	1	l	į	1	
Volume purged ಆಫ೭5	0	10	3830	35	45	
рН	\	وسعيين	٠ سي.	مسد	\ \tag{\tau}	
Temperature (C)		ĺ	-		^	
Conductivity (umhos/cm)		_	_			
Turbidity (NTU)	,	95	34	4	3	
Dissolved Oxygen (mg/L)	_		-	` (
Eh (mV)			1			

Total volume of water removed Estimated Recharge Rate

45 gal

Depth to sediment before development:	
Depth to sediment after development	

 $\frac{18.65}{18.14}$ ft bgs

Development Description:

BLACK SILL	ry WATER	F185- 10	1015	GALS.	THEN
CLEARING.	50RGED	FUR 15	MIH.		
DEPTH TO	VATER WE	ter Dec	バブニュー	11.00	<i>=</i> 7

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CABRERA SERVICES	

Project Name:

Project Location:

Site Name:

Dupont SI

Cast Road, Jus Accordance

6-Mw-106

RADIOLOGICAL	
HMMHC2NAH5046	
(S)CA ARTALLA MATERIA	

Well Designation:	6-MW-00
Condition:	
Well Grout Date:	
Well Installation Date:	

PAG	Œ	į	43	
		_		

Gauge Date:	
Sounding Method:	
Stick up/town)(ft):	, s Ft
Static Water Level:	109"
Development Date:	6-7-06
Surge Device:	Surge Block
Weather: Overcast,	light rain

4"
10'
1

Well Volume Determination

Α	Well Depth:	
В	Depth to Water:	
С	Liquid Depth (A-B):	
D	Well Volume/ft:	
E	Well Volume (CxD)gal:	
F	Liquid Screen Length (ft):	

	Jenning Hon	
G	Borehole Vol/ft:	
Н	Borehole Vol (CxG)gal:	
1	Sand Vol (H-E) gal:	
J	Liquid Vol in Sand (lx0.3) gal:	
Κ	One Well Volume (E+J)gal:	

	Beginning	1	2	3	4	5
Time (min)	1500	1515	1520			
Pump Rate (gpm)	1 G Pin	1				
Volume purged	Ö	15	20			
рH		-	1			
Temperature (C)			_			
Conductivity (umhos/cm)		_	_			
Turbidity (NTU) FAU		197	142			
Dissolved Oxygen (mg/L)	-	_	/ —			
Eh (mV)	1		_			· · · · · · · · · · · · · · · · · · ·

Total volume of water removed 20 gal
Estimated Recharge Rate Signify 2 197m

Depth to sediment before developmert:	unknown ft bgs
Depth to sediment after development	ft bgs
Development Description:	Silty water
Used Surger Block for	15 minutes Proper to Purging
Depth to water after	v development on first lay = 114.5 to
·	,

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CA	BRERA
	RVICES
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Project Name:

DECHT

Project Location:

A SC C

RADIOLOGECA: ENVIRONALE CAL REACCENDON

Site Name: - MW - 06

Well Designation:	6 MW - 36
Condition:	
Well Grout Date:	
Well Installation Date:	

PAGE 2 1. 1

Gauge Date:	
Sounding Method:	-5-55
Stick up/down (ft):	SFT
Static Water Level:	14.01
Development Date:	6-8-06
Surge Device:	BLOCK

Gauge Time: Measurement Reference: Well Diameter (in): 101 Screen Length (ft): Development Time:

Weather: PT. CLOUDY

Well Volume Determination

Α	Well Depth:	
В	Depth to Water:	9.11 FT
С	Liquid Depth (A-B):	
D	Well Volume/ft:	
Ε	Well Volume (CxD)gal:	
F	Liquid Screen Length (ft):	

G Borehole Vo	ol/ft:	
H Borehole Vo	ol (CxG)gal:	
Sand Vol (H	I-E) gal:	
J Liquid Vol ir	Sand (lx0.3) gal:	
K One Well Vo	olume (E+J)gal:	

	Beginning	1	2	3	4	5	ند
Time (min)	0720	0740	0750	0840	0815	0830	0835
Pump Rate (gpm)	IGAM	j		i	/ 3	/	
Volume purged		20 GH	WEU	0	5	3) ()	Js-
pH			DRY	, (
Temperature (C)			RECHARC		,		1
Conductivity (umhos/cm)		, <u> </u>					
Turbidity (NTU)	_	1100		_	39	⋧ 8	25
Dissolved Oxygen (mg/L))		,	_		
Eh (mV)		_		_	-		
			١,	_			
			V				

Total volume of water removed Estimated Recharge Rate

Depth	to	sediment	before	developmert:
•				•

Depth to sediment after development

:
:

HW-OL-FINISH DEVELOPMENT

DEPTH TO WATER DEU. IS 11,90 FT. AFTOR

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SERV	
RADIOLOGIC	
25/450H+00	
1	

RERA VICES		Project Nan Project Loca Site Name:			+ 51 - Row uw -07	,043	Aoc 6
GROAE ARBITAL	Well Design	nation:		6-M	W-07		
NON.	Condition:					1	
	Well Grout	Date:	***			1	
	Well Install]	
Gauge Date:		(•				
Sounding Meth	od:			Gauge Time			
Stick up/down		-			nt Reference:		1
Static Water Le		175 64		Well Diamet			41
		6-7-06		Screen Leng			10-
Development D	ait.		K	Developmen	-		50 mi
Surge Device: Weather:	Ollere	Strge Block		i M	it fillio.		130 7.4
		,			an.		•
		vveli V	•	eterminati			
Well Depth:			i .	Borehole Vo			
Depth to Water				Borehole Vo			
Liquid Depth (A				Sand Vol (H		l.	+
Well Volume/ft:					Sand (lx0.3)		
Well Volume (C			l K	One Well Vo	olume (E+J)ga	l:	
Liquid Screen l	ength (ft):	<u> </u>	l				
		Beginning	1	2	3	4	5
Time (min)		1300	1340				
Pump Rate (gp	m)	1	1				
/olume purged		0	40				
рН				•			
Temperature (0)						
Conductivity (u		I		T			
Turbidity (NTU			5				
Dissolved Oxyg		 					1
Eh (mV)	, <u>, , , , , , , , , , , , , , , , , , </u>	 	<u> </u>				
				1			
		 		†	<u> </u>	 	

Well ID	Date	Time	Volume Removed (L)	рН	Cond. (ms/cm)	Temp.	ORP (mV)	Turb (NTU)
MW-18	10/5/2004	1025	0	7.65	7.829	22.51	122.0	6.5
MW-18	10/5/2004	1030	2	7.67	7.860	22.48	119.0	7.0
MW-18	10/5/2004	1035	4	7.76	7.851	22.55	99.0	3.1
MW-18	10/5/2004	1040	6	7.75	7.861	22.50	98.0	3.9
MW-18	10/5/2004	1045	8	7.78	7.844	22.50	95.0	3.8
MW-18	10/5/2004	1050	10	7.78	7.878	22.52	95.0	3.6
MW-18	10/5/2004	1055	12	7.84	7.831	22.54	77.0	2.8
MW-18	10/5/2004	1100	14	7.85	7.890	22.56	20.0	1.4
MW-18	10/5/2004	1105	16	7.86	7.889	22.58	-1.0	1.7
MW-18	10/5/2004	1110	18	7.84	7.887	22.58	-18.0	1.5
MW-18	10/5/2004	1115	20	7.87	7.860	22.57	-22.0	1.7
MW-18	10/5/2004	1120	22	7.88	7.884	22.55	-21.0	1.4

* (H) = Hach turbidity meter readings

Note: Well depth and groundwater measurments from top of pvc prior to final completion of protective casing. PVC may be cut or extended upon final completion.

Well Development Record

Date	Time	Turbidity (NTU)
	1553	11
9/21/2004	1610	11
	1620	10

Constituent	mg/L
Ferrous FE:	0.10
Sulfide:	0.02
Nitrite:	0.035

^{*} Groundwater sample collected @ 1130 on 10/05/2004.

CABRERA SERVICES

RADYOLOGECAL ENVERONAMENTAL REMEDIATION

FIELD RECORD OF WELL DEVELOPMENT

Project Name:			
Project Location:			
Site Name:	001	Aoc Z	

Well Designation:	2. NW-19A
Condition:	
Well Grout Date:	8-23-05
Well Installation Date:	8-23-05

Weather:				
Surge Device: Brock			Development Time:	
Development Date:	8 24		Screen Length (ft):	2'
Static Water Level:	6.185'	Toc	Well Diameter (in):	2
Stick up/down (ft):			Measurement Reference:	
Sounding Method:			Gauge Time:	
Gauge Date:	8 24			

Well Volume Determination

A	Well Depth:	16.10' Toc
В	Depth to Water:	6.185' TOC
C	Liquid Depth (A-B):	
D	Well Volume/ft:	
E	Well Volume (CxD)gal:	
F	Liquid Screen Length (ft):	

G Borehole Vol/ft:	
H Borehole Vol (CxG)gal:	5 7
I Sand Vol (H-E) gal:	
J Liquid Vol in Sand (lx0.3) gal:	
K One Well Volume (E+J)gal:	

	Beginning	1	2	3	4	5
Time (min)	1320	/325	1330	1335	- 1	
Pump Rate (gpm)					T.	
Volume purged						201
рН	6.47	6.49	6.45	6.46		
Temperature (C)	29.04	28.47	28.06	27.92	**	
Conductivity (umhos/cm)	1.352	1.359	1.339	1.229		
Turbidity (NTU)	25.8	14.1	10.0	8.2		
Dissolved Oxygen (mg/L)	25.9	10.6	8.6	8.0		
Eh (mV)						
ORP	-41.9	-42.0	-41.2	-40.6		

Total volume of water removed Estimated Recharge Rate	10	gal		
Depth to sediment before development: Depth to sediment after development Development Description:			ft bgs ft bgs	

DEPTH TO PRODUCT 6.18

FIELD RECORD OF WELL DEVELOPMENT Project Name: Project Location: Cabrera DUPONT SERVICES Site Name: F-CORAL RADIOLINGICAS ProvincionAllings: Well Designation: MW-20 A Condition: Well Grout Date: Well Installation Date: 7-18-05 Gauge Date: Sounding Method: Gauge Time: Stick up/down (ft): Measurement Reference: Well Diameter (in): Static Water Level: Development Date: 7/27/05 Screen Length (ft): Surge Device: Development Time: Weather: HoT! HOT! HOT! **Well Volume Determination** A Well Depth: 9.74 G Borehole Vol/ft: B Depth to Water: 4.52 H Borehole Vol (CxG)gal: C Liquid Depth (A-B): Sand Vol (H-E) gal: D Well Volume/ft: Liquid Vol in Sand (Ix0.3) gal: E Well Volume (CxD)gal: One Well Volume (E+J)gal: F Liquid Screen Length (ft): Beginning Time (min) Pump Rate (gpm) Volume purged рΗ Temperature (C) Conductivity (umhos/cm) R1000 ·1000= 1100 Turbidity (NTU) 21000 >1000 1000 = 71000 Dissolved Oxygen (mg/L) 1100 Eh (mV) Total volume of water removed gal Estimated Recharge Rate

ft bgs

ft bgs

Depth to sediment before development:

Development Description:

Depth to sediment after development

DEATH TO WARK

TIME

| TIME | 19T

ZNA JAD 4TH 5TH 6 7 8 9 10 11 12 13 14

7/29 7.12 & 710 1415? 1100 ! 100

	FIE	LD RECO	RD OF	WELL D	EVELOP	MENT	
ABRERA		Project Na Project Lo		Defen	+		
ERVICES		Site Name		F-C	val	•	
KOROVOROA:				1	X/A\		
HONAHUTA) KALANGA	Well Desig	gnation:		MW-	21	7	
	Condition:			/ /	-	1	
	Well Grou			7/151	05-	1	
	Well Instal	lation Date:		715/3	5-]	
Causa Data		1 = 1 / 2 ==	7	(
Gauge Date: Sounding Metho	·q.	8/1/05	1	- -			0 - 2
Stick up/down (fi		25 B	F	Gauge Time	nt Reference:		70C
Static Water Lev		C-20	1	Well Diamet			
Development Da		4/1/20	1	Screen Leng		2.5	
Surge Device:		singe dock	†	Developmen		2.3	
Weather:	Do over	77	·	1======================================			
A Well Depth: B Depth to Water: C Liquid Depth (A-I D Well Volume/ft: E Well Volume (Cx	D)gal:	Well \ \ \(\lambda \). \(\lambda \) \(\lambda \). \(20 \)) 	Determination Borehole Volume Borehole Volume Sand Volume Liquid Volume One Well Volume	l/ft: I (CxG)gal: -E) gal: Sand (lx0.3) g		
F Liquid Screen Le	ngth (ft):	<u> </u>	į				
		Beginning	1	2	3	4	5
Time (min)		0845	1100	1235	1415		
Pump Rate (gpm)	2	2	200.nl	_000 100		
Volume purged		\mathcal{O}	20	20	22		
pH Towns a vertices (C)			-	<u> </u>			
Temperature (C)	hon/om)						
Conductivity (uml Turbidity (NTU)	105/011)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\		7		
Dissolved Oxyger	n (ma/L)	>1000	COOK		*		<u> </u>
Eh (mV)	(ing/L)						
DTW (PA	TIX	5,20	dry	5,24	5.89		-
THE POPULATION OF THE POPULATI	100	7,20	ary	12,67	8-1		
_							

Depth to sediment before development:

Development Description:

Depth to sediment after development

MW-21 Development 8/1/05

pg 2 of 2

FIELD SAMPLE PARAMETERS

Date	Time	Volume Removed	Hq ·	Cond,	Temp.	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
 	Units			ins on 2	80	mV	NTU	wall	Da	,
8/1	1430	23	5.69	0.951	26.63	-92.8		0.92	5.86	100 ml/ma
	1435		5.37	0-867	25.23	-91.0	7.1	0.66	-	, or acjain
	1440		5.33	0-867	24.9%	90.4		0.63	5,88	
V	1445	24.	5.34	0467	25.20	90.9	0.1	0.62	5.88	
	d	evelope	next a	comp					2,00	
				,						
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						· · ·				
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Sample ID:	Receiving Laboratory:
Sample Collection Time:	Sample Parameters:

Sample Collection Personnel:

Page Zof Z

FIELD RECORD OF WELL DEVELOPMENT Project Name: Project Location: CABRERA Site Name: SERVICES RADIOLOGICAL ENVIRONALISMA REMEDIADON MW - 22 Well Designation: Condition: Well Grout Date: Well Installation Date: Gauge Date: Sounding Method: Gauge Time: Measurement Reference: Stick up/down (ft): 2.0 Well Diameter (in): Static Water Level: 7/31/05 Development Date: Screen Length (ft): Development Time: Surge Device: Weather: Well Volume Determination G Borehole Vol/ft: 8.65 TUC A Well Depth: 4.10 H Borehole Vol (CxG)gal: B Depth to Water: Toc C Liquid Depth (A-B): I Sand Vol (H-E) gal: J Liquid Vol in Sand (Ix0.3) gal: D Well Volume/ft: K One Well Volume (E+J)gal: E Well Volume (CxD)gal: F Liquid Screen Length (ft): 4.35 TOC 3 Beginning 1038 Ø73Ø Time (min) Pump Rate (gpm) Volume purged рН Temperature (C) Conductivity (umhos/cm) >1000 71000 71000 >1000 Turbidity (NTU) 7/000 71090 Dissolved Oxygen (mg/L) Eh (mV) 1428 Total volume of water removed Estimated Recharge Rate

ft bgs

ft bgs

Depth to sediment before development:

Development Description:

Depth to sediment after development

DATE WATER START STOP 4 5 6.78 8

50/15/0

is to t

MALL DUNK ORDIK

American state in the control of the

FIELD SAMPLE PARAMETERS

Date	Time	Volume Removed	pH ·	Cond.	Temp.	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
	Units									
8/1	1100		7.05	1.611	28.61	288.	355.4	6.51	6.48'	80 ML/MEN
	1105		6.72	1.608	28.40	371.9	1088.2	6.52		
	1110		6.47	2.218	28.63	89.7	786.4	6.36	6.75	
	1115		6.30	2.734	28.19	54.8	547.9	6.20	6.70	
	1235		-	-	-		-	_	4.90	
	1240		5.91	4.020	35.38	18.0	95.6	4.60		80 ML/MEN
	1245		5.53	5.895	29.85	12.1	26.1	4.82		
	1250		5.41	6.099	29.61	19.6	19.4	4.66		
	1255		5.38	6.073	29.49	21.0	20.5	4.61		
	1300		5.38	6.081	29.91	135	22.5	4.54	5.99	
	1305		5.39	6.095	30.34	16.8	30.3	4.43		
	1316		5.41	6.096	30.65	12.4	31.0	4.34		
	1315		5.40	6.092	30.80	9.2	27.3	4.26		
	1320		5.41	6.105	30.80	1.9	29.4	4.22		

	Receiving Laboratory:	Sample ID:	
	Sample Parameters:	Sample Collection Time:	
_	Sample Parameters:	Sample Collection Time:	

Sample Collection Personnel:

Page 1 of 2

FIELD SAMPLE PARAMETERS

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
	Units									-\$45
8/1	1325		5.39	6.131	30.43	-2.8	30.8	4.21		80 mc/mon =
	1330		5.39	6.168	30.26	-9.4	37.8	4.13	6.50	
	1335		5.41	6.198	30.38	-14.2	45.6	4.04		
	1340		5.45	6.208	30.80	-19.8	61.1	3.90		
	1345		5.50	6.281	31.16	-26.5	66.1	3.76		
	1350		5.47	6.360	30.50	-29.5	69.7	3.71		
	1355		5.47	6.435	30.46	-32.8	80.2	3.56		
	1400		5.58	6.423	32.49	-36.1	86.2	3.27		
	1405		82.2	6.860	31.86	-51.5	82.3	2.94		
	1410		5.56	6.922	31.67	-51.3	80.6	2.89		
	1415		5.55	7.083	31.58	-53.5	77.2	2.71		
	1445		5.49	7.462	31.14	-61.3	6.0	2.77		
	1450		5.62	7.752	31.98	-66.7	6.4	2.14		
District Control	1455		5.60	7.948	31.49	-66.3	4.9	2.00		

Sample ID:	Receiving Laboratory:	
Sample Collection Time:	Sample Parameters:	

Sample Collection Personnel:

Page 2 of 3

RVICES		Project Nar Project Loc Site Name:	ation:	No Po	- -		
5 - 25 MARTER (1943 BANKON	Well Desig	nation:		MW-2	23	7	
	Condition:			/ ,			
	Well Grou	t Date:		7/18/10	ر ا		
	Well Instal	llation Date:		7/18/05]	
Gauge Date:		7/27/05	7				
Sounding Metho	od:	We motes	1	Gauge Time			0830
Stick up/down (t	ft):	~2.5	1		nt Reference:	·· · · · ·	TUE
Static Water Lev	vel:	4,58		Well Diamet	ter (in):		4"
Development D	ate:	7/27/05		Screen Len	gth (ft):		10'
Surge Device:		block	1	Developmen	nt Time:		
Weather: (Di	" Somn	y, homid					
	,		/- k D	_4 :4:			
		vveii v	olume D	eterminati	lon		
A Well Depth: "	757		4	Borehole Vo			
	70C	120,38	G	Borehole Vo	ol/ft:		
B Depth to Water:	TOL	4.58	Н	Borehole Vo	ol/ft: ol (CxG)gal:		
B Depth to Water: C Liquid Depth (A-	TOL		G H I	Borehole Vo Sand Vol (H	ol/ft: ol (CxG)gal: -E) gal:	nal:	
B Depth to Water: C Liquid Depth (A- D Well Volume/ft:	-B):	4.58	G Н Ј	Borehole Vo Sand Vol (H Liquid Vol in	ol/ft: ol (CxG)gal: -E) gal: ı Sand (lx0.3) ç		
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C:	-B): xD)gal:	4.58	G Н Ј	Borehole Vo Sand Vol (H Liquid Vol in	ol/ft: ol (CxG)gal: -E) gal:		
B Depth to Water: C Liquid Depth (A- D Well Volume/ft:	-B): xD)gal:	4.58	G Н Ј	Borehole Vo Sand Vol (H Liquid Vol in	ol/ft: ol (CxG)gal: -E) gal: ı Sand (lx0.3) ç		
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C:	-B): xD)gal:	20.38 4.58 15.50	G Н Ј	Borehole Vo Sand Vol (H Liquid Vol in	ol/ft: ol (CxG)gal: -E) gal: ı Sand (lx0.3) ç	i: /	5
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C:	-B): xD)gal:	20.38 4.58 15.50	G Н Ј	Borehole Vo Sand Vol (H Liquid Vol in	ol/ft: ol (CxG)gal: -E) gal: sand (Ix0.3) g olume (E+J)ga	7 29 4	
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li	xD)gal: ength (ft):	7/27 — Beginning	G H I J K	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo 7/28 — 2	ol/ft: ol (CxG)gal: -E) gal: a Sand (Ix0.3) g blume (E+J)ga	7/29	5 0930 2
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min).	xD)gal: ength (ft):	7/27 — Beginning	G H I J K	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo	ol/ft: ol (CxG)gal: -E) gal: sand (Ix0.3) golume (E+J)ga	7 29 4	
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr	xD)gal: ength (ft):	7/27 — Beginning	G H I J K 1 1/00	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo	ol/ft: ol (CxG)gal: -E) gal: s Sand (Ix0.3) golume (E+J)ga	7 29 4	
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr Volume purged	xD)gal: ength (ft):	7/27 — Beginning	G H I J K 1 1/00	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo	ol/ft: ol (CxG)gal: -E) gal: s Sand (Ix0.3) golume (E+J)ga	7 29 4	
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr Volume purged pH	xD)gal: ength (ft):	7/27 — Beginning	G H I J K 1 1/00	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo	ol/ft: ol (CxG)gal: -E) gal: s Sand (Ix0.3) golume (E+J)ga	7 29 4	
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr Volume purged pH Temperature (C	xD)gal: ength (ft):	7/27 — Beginning	G H I J K 1 1/00	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo	ol/ft: ol (CxG)gal: -E) gal: s Sand (Ix0.3) golume (E+J)ga	7 29 4	0930
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr Volume purged pH Temperature (C: Conductivity (un	xD)gal: ength (ft):	7/27 — Beginning 0820	G H J K 1 1/100 	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo 7/28 — 2 C7(0 25 30	ol/ft: ol (CxG)gal: -E) gal: a Sand (Ix0.3) g blume (E+J)ga	7 29 4 0715 025 55 -	0930
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr Volume purged pH Temperature (C Conductivity (un Turbidity (NTU)	xD)gal: ength (ft):	7/27 — Beginning 0820	G H J K 1 1/100 	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo 7/28 - 2 C7(0 25 30 >/000	ol/ft: ol (CxG)gal: -E) gal: a Sand (Ix0.3) g blume (E+J)ga	7 29 4 0715 025 55 -	0930
B Depth to Water: C Liquid Depth (A- D Well Volume/ft: E Well Volume (C: F Liquid Screen Li Time (min) Pump Rate (gpr Volume purged pH Temperature (C Conductivity (un Turbidity (NTU) Dissolved Oxyge	xD)gal: ength (ft):	7/27 — Beginning 0820	G H J K 1 1/100 	Borehole Vo Sand Vol (H Liquid Vol in One Well Vo 7/28 — 2 C7(0 25 30	ol/ft: ol (CxG)gal: -E) gal: a Sand (Ix0.3) g blume (E+J)ga	7 29 4 0715 025 55 -	0930

20,38 ft bgs ft bgs reen at 2' where

Depth to sediment before development:

Depth to sediment after development

>0820 begu 451 odgs *0890* 1315 1120 Jun 0.2 L/min 0.2 L/min 0.2 L/min 0.2 L/min 0.5 C/min 0.2 L/min 0.5 C/min 0.5 C/m 1000 .fore prup rate (ypun) 150 145 145 336(Hal) 198(Hal) 430(Hal) 29 (Hal) 27.0(451) 115 125 volome (gal) >1000 1100 (Hach) turb 4.79 4.80 4.75 4.76 4.75 4.90 DIW us/cm2 mg/L 930 turb PH cond temp Live 23,2 -11178 6-71 0.52 1.064 0950 19.60 6-73 -114.0 21.6 0.48 1,351 19-87 6.71-115.2 0430 21.1 0.43 1.038 6.69 -115,5 19.81 20.2 0442 0.40 1.035 19.79 6-68 -115.2 0852 19.2 0-38 (Hach - 16 NTU) 1.024 6.67 -115.5 14.9 19-64 0400 0.36 1.015 0-35 666 -115.3 19.96 4.0 910 total porged 160 yal 1,013 19.96 0916 0920

A	FI	ELD RECO		WELLE	\F\/F\ 01		elofe		
***	Г	ELD KECC	אט טאי	WELL	PAFFO	MENT			
		Duni4 NI-		$\wedge \wedge$. 1				
and the second s		Project Na		1 July	M		_		
ABRERA		Project Lo					-		
ERVICES		Site Name) :	ICo	wal		_		
FOR CESELAT FRONAITHEE	VA/ 11 D			T / /	1 -1		_		
SERVON	Condition	signation:		IMM	<u> 1-24</u>	4			
	Well Gro			1.0/.0/					
		allation Date:		7////	35	_			
	vveirinst	allation Date:	 -	17/(+1	96				
Gauge Date:		1-/23/2-	7						
Sounding Meth	od:	7/20/05	-	G =:			1 3/ =		
Stick up/down (2 2 TI	-	Gauge Time			1015		
Static Water Le		350	-		ent Reference:		70C		
Development D		-1/2/20	╡	Well Diame			4"		
Surge Device:	ate.	71,2405	4	Screen Len	_		2.5		
Weather: 40	30 -1-	16/sck	J	Developme	nt lime:				
A Well Depth: 70		10,59		Borehole Vo	ol/ft:				
B Depth to Water:	TOC	3.98	} +	H Borehole Vol (CxG)gal:					
C Liquid Depth (A	-B):			i Sand Vol (H	-E) gal:				
D Weil Volume/ft:] ,	Liquid Vol in	Sand (lx0.3)	gal:			
E Well Volume (C			J k						
F Liquid Screen L	ength (ft):	_L]		1				
		7/30	T 4	 >	7/31 -	<u> </u>	T		
Ti ())		Beginning	1	1 / =	3	4	5		
Time (min)		1020	1250	1415	0710	0940			
Pump Rate (gpr		2	2	2	0.5	100 mL			
Volume purged	gal	10	10	20	20	25			
pH		 							
Temperature (C)					-				
Conductivity (um Turbidity (NTU)	inos/cm)		\-\frac{-}{2\cdot 2\cdot 2\cdo	* / >		-1/.0			
Dissolved Oxyge	n (ma/l.)	>1000	>1000	>1000	>1500	654 (Hach)		
Eh (mV)	in (mg/L)			-					
<u> </u>	TUC	398	7.78	9.97	U mari	6 20			
12110 7 t	100	1-278	F-78	7.01 +	7.59	9.22			
				<u></u>	15 0				
				0	retilized c	hpg 2	-		
Total volume	of water r	emoved	3,000	gal					
Estimated Re				, gui					
	a. go 11			ı					
Depth to sedim	ent before	developmert.		159	ft bgs				
Depth to sedi		•	t		ft bgs				
,		~ 5.5piii6ii	7,	_	yo				

Development Description:

FIELD SAMPLE PARAMETERS

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
10/11	Units			m5/cm2	٥.	nV	NTU	ma/L	fa toc	in Clarin
7/31	1025	25	10,40	0,652	27.13	207.2	285.6	6.23	8.25	100
	1037		10.35	0.666	26.66	249.3	78.7	6.06		60
	1051		15.27	0.670	26.44	271.0	41.2	5,20		
	1315		10.12	0.765	29.75		(50.3	2.64	2.32	60
	1327		10.34	0.796		261.2	110-8	4.39	1, 26	60
	159		10.52	0-839	27.74	287.1	113.7	5.44		
	1350		10.49	0.837	27.17	32.5	1168		8.41	—
	1405		17.41	2.811		310,3		4.63	8.41	
4	1417	35	10.43	0-809				4.39		
3/1	0715	2 -	10.52	0-898	23.76	312.2	2222	4.06	-	V
	0727		10.84			99.0	377.2	4.78	4.88	50
	0737			0.939.			166.2	4.97		
	0746		11.20	1.238	24.68		20.4	6-07	5.12	
	2755	38	11.25	1.025	25,00	117.7	31.5	5,98	_	
	UT33	<u> </u>	11.22	0.981	25.33	(12.4)	12-1	5.95	5.19	V
	die	elper	ent	Comp	(cte		1			

Sample ID:	X	//			Receiving Laboratory:	
Sample Collection Time:			-		Sample Parameters:	

Sample Collection Personnel:

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FIELD RECORD OF WELL DEVELOPMENT DUPONT GW PHASE 2 Project Name: Project Location: CABRERA SERVICES Site Name: RADIOLOGICAL ENVERONAZISTAN REMEDIATION Well Designation: MW 25 C Condition: NEW Well Grout Date: 11-13-05 Well Installation Date: 11-12-05 Gauge Date: ELECTAPE Sounding Method: Gauge Time: Stick up/down (ft): Measurement Reference: Well Diameter (in): Static Water Level: Screen Length (ft): Development Date: 1/16/65 SURGE BLOCK Surge Device: Development Time: Weather: **Well Volume Determination** A Well Depth: 36.55' G Borehole Vol/ft; B Depth to Water: 12.08 Borehole Vol (CxG)gal: C Liquid Depth (A-B): Sand Vol (H-E) gal: D Well Volume/ft: Liquid Vol in Sand (Ix0.3) gal: E Well Volume (CxD)gal: One Well Volume (E+J)gal: F Liquid Screen Length (ft): Beginning 2 1450 1330 Time (min) 1300 Pump Rate (gpm) Volume purged рΗ Temperature (C) Conductivity (umhos/cm) 72 Turbidity (NTU) Dissolved Oxygen (mg/L)

gal

ft bgs

ft bgs

Eh (mV)

Total volume of water removed

Depth to sediment before development:

Depth to sediment after development

Estimated Recharge Rate

Development Description:

CABRERA SERVICES RADIOSOSCA: ENVIRONMENTON SELVACIONO

FIELD RECORD OF WELL DEVELOPMENT

Project Name:	
Project Location:	
Site Name:	OF LAND SOUND SOUNDS

Well Designation:	MW-26
Condition:	
Well Grout Date:	
Well Installation Date:	

Gauge Date:	-9/30/105 MM		_
Sounding Method:		Gauge Time:	
Stick up/down (ft):	2.5	Measurement Reference:	
Static Water Level:		Well Diameter (in):	
Development Date:	7/30/05	Screen Length (ft):	
Surge Device:	7-7	Development Time:	
Weather			

Well Volume Determination

Well Depth:	10.00
Depth to Water:	6.17
Liquid Depth (A-B):	
Well Volume/ft:	
Well Volume (CxD)gal:	
Liquid Screen Length (ft):	
	Depth to Water: Liquid Depth (A-B): Well Volume/ft: Well Volume (CxD)gal:

G	Borehole Vol/ft:	
Н	Borehole Vol (CxG)gal:	
1	Sand Vol (H-E) gal:	
J	Liquid Vol in Sand (lx0.3) gal:	
K	One Well Volume (E+J)gal:	

RATHSE LIKE

	Beginning	1	2	3	4	5
Time (min)	0855	Ball St				
Pump Rate (gpm)						
Volume purged						
рН						
Temperature (C)						
Conductivity (umhos/cm)						
Turbidity (NTU)	>1000	>1000	>1000	71000	>1000	71000
Dissolved Oxygen (mg/L)						
Eh (mV)						

Total volume of water removed Estimated Recharge Rate	gal I
Depth to sediment before development: Depth to sediment after development Development Description:	ft bgs ft bgs

DATE DEPTH TO TIME
WATER START STOP 1 2 3 4 5 6 7 8 9 10 11 12 13 14
7/30
7/31 7.23' 0700

2.5

S finally continued of the second of the sec

FIELD SAMPLE PARAMETERS

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
	Units									
7/31/05	8825		11.77	2.670	26.42	28.5	8.2	0.62	8.89	
	0836		11.79	2.755	26.44	26.9	5.3	0.58		
	0835		11.67	2.593	26.80	38.Ø	2.2	0.69		
	0840		11.45	1.734	27.09	74.8	10.6	1.72		
	0845		11.42	1.591	26.89	86.4	26.4	1.85		
	0850		11.39	1.573	26.74	102.7	12.9	1.86		
	0855		11.40	1.660	26.48	112.4	33.9	1.73		
	0900		11.42	1.709	26.27	118.1	38.3	1.66	9.35	
	0905		11.46	1.785	26.09	123.0	37.6	1.51		
	0910		11.48	1.854	26.05	124.8	35.7	1.38		
	0915		11.51	1.895	26.02	125.7	36.4	1.30		
	0920		11.57	1.971	25.77	126.4	56.1	1.19		
	0925		11.60	2.107	25.66	125.9	42.2	1.02		
	0930		11.62	2.153	25.60	125.2	37.2	0.96		
	0935		11.69	2.197	25.63	123.5	18.0	Ø.82		

Sample ID:	Receiving Laboratory:	
Sample Collection Time:	Sample Parameters:	

Sample Collection Personnel:

FIELD SAMPLE PARAMETERS

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
	Units									
	0940		11.66	2.223	25.93	121.7	13.3	0.62	9.99	
				<i>V</i>						
							1			
						7/100	- jio			
							197			
				,						
					1					
					THE RESERVE	1	1			

Sample ID:	Receiving Laboratory:	
Sample Collection Time:	Sample Parameters:	

Sample Collection Personnel:

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