ARCAD	IS	E	R-01 Fi	inal \	Well De	sign 4/20/2	2		
Conductor casi	ng Dia:	12				Well Casing	g Outer Dian	neter:	6.5
Drill casing I	Dia:	10.75				Well Casing	g Inner Dian	neter:	6
Rathole Di	a:								
						Surface Completion:			
		Ground surface	0.0	ft.			Annula	ar Materials	
	-					Quantity	Materia	al Type	Units
			5.0	ft.			Nativ	e fill	
	Tempor	ary Conductor Casing	20.0	ft.					
	Well Materials								
	316 SS Wire Wr	ap 0.020" Slot Size	25.0	ft.		125.0	Portland up to	5% Bentonite	Gallons
	Sch 80 PVC Blar	nk Casing							
	Portland Type I	, II and V up to 6% Bentonit	e				Conductor	Casing	
	Transition Sand	Cemex #0/30				Heat of Hydratic	on Safety	12 in PSI o	n Pipe
	Lapis Lustre #2/	f of Pellets /16 (16 x 30) filter pack				Factor	Drill Cas	121.6	/
						Heat of Hydratic	on Safety	10 in PSI or	n Pipe
		10 ft				Factor		121.67	7
Well Materials	Length	Sections							
Casing Sch 80 PVC	46	4.6							
Sump Sch 40 PVC	5.3	1.06							
·									
			39.0	ft.					
			41.0	ft.					
						2.0	Comey	#0/30	Bags
			43.5	ft.		2.0	Centex	<i>m0/30</i>	Dags
			44.0	ft.		0.3	Chi	ips	Buckets
			46.0	ft.					
	Арр	roximate DTW	47.0	ft.					
						70.0	Como	#2/16	Base
						79.9	Cemex	#2/16	Dags
			126.0	ft					
			138.5	ft.					
			141.3	ft.		Sch 40	PVC Sump Sta	ainless End Cap	
			143.0	ft.					

9	ARC	ADIS			Well Const	ruction Log	\$	Sheet: 1 of 8
Date S	Started:	04/20/2022			_Surface Elevation:	504.57 ft amsl		2 01
Date C	Completed:	05/10/2022				503.83 ft amsl		<u></u>
Drilling	Co.:	ABC LIOVIN			_Deep Well Elevation:	N/A	Client: PG&E	
Drilling	Method:	Sonic Drilling			_Northing (NAD83):	2101089.85	Project: <u>Final</u>	GW Remedy Phase 2A
Driller	Name:	Eddie Ramos			_Easting (NAD83):	7616510.53	Location: PG&E	Topock, Needles California
Drilling	Asst:	J. Candelaria	/ F. Per	ez	Borehole Diameter:	10-12 inches		
Logge	r:	Grant Willford			Static Water Level:	See Log for Depths	Project Numbe	r: <u>30126255</u>
Editor		Sean McGrar	e		_Development End Date:	6/1/2022		
Total [Depth:	<u>143.1 ft bgs</u>			_Well Completion:	Flush Stick-up	To Be Completed	in Well Vault
Depth (ft)	Groundwat Sample IE	Geologic Formation	USCS Code	USCS Class	Constru	cion Details	Calculated Material Volumes	Material Volumes Installed Note: percentages are the actual volume vs the calculated volume
		Alluvium Deposits	SM		(0.0 - 1.0') Temporary Sulface Completion (1.0 - 2.0') Cemex #2/16	(0.0 - 20.0') 12" Diameter Borehole	0.	(0.0 - 1.0') 7 bags Note: 2.5 x 2.5 ft. concrete pad with 18 inch diameter lockable vault, High Sped 4,500 PSI Concrete. Note: Cemex #2/16 Lapis Lustre
		Alluvium Deposits	SM		(16x30) Lapis Lustre Sand (0.7 - 45.3') 6" Sch. 80 PVC Casing (2.0 - 5.7') Native Material			Sand extended into skirt of vault. Note: Native material used to back fill was from the SPY.
5	No Groundwate Samples Collected	r Weathered Bedrock - conglomerate	NR	x x x x x x x x x x x x x x x x x x x	(5.7 - 39.0') Portland Cernent 5% Bentonite Type I, II, and V with Hydrogel		(5.7 - 39.0') 116.1 Gallons	(5.7 - 39.0') 150 Gallons (129%) Note: Used >20% of the calculated volume due to potential voids that formed during drilling.
Abbre	viations: U	SCS = Unified	Soil Cl	assificat	ion System, ft = feet, bgs	= below ground surface, a	msl = above mean	sea level, SS = Stainless
Steal,	NR = No F	ecovery, N/A	= Not A	pplicabl	e, GW = groundwater, No	otes: solid blue and hollow l	blue water table ma	rks represent depth to water
(ft. bgs	s.) stati <mark>c wa</mark>	ater measured	post de	velopm	ent and approximate station	c measured during drilling,	respectively.	
; ;								

9	ARC	ADIS			Well Const	ruction Log	S	Sheet: 2 of 8
Date S	Started:	04/20/2022			_Surface Elevation:	504.57 ft amsl		2 01
Date 0	Completed:	05/10/2022				503.83 ft amsl		<u>x-01</u>
Drilling	, Co.:	ABC LIOVIN			_ Deep Well Elevation:	N/A	Client:PG&E	
Drilling	Method:	Sonic Drilling			Northing (NAD83):	2101089.85	Project: Final	GW Remedy Phase 2A
Driller	, Name:	Eddie Ramos			Easting (NAD83):	7616510.53	Location: PG&E	Topock. Needles California
	a Asst:	J. Candelaria	/ F. Per	ez	Borehole Diameter:	10-12 inches		• •
Loade	er:	Grant Willford			Static Water Level:	See Log for Depths	Proiect Numbe	r: 30126255
Editor	:	Sean McGran	е		Development End Date:	6/1/2022		
Total [Depth:	143.1 ft bgs			_Well Completion:	⊠ Flush Stick-up	To Be Completed	in Well Vault
l L		gic tion	S n	S S	Constru	ction Details		Material Volumes Installed
(ft)	Sample IE		USC Code	USC Clas			Material Volumes	Note: percentages are the actual volume vs the calculated volume
				× × ×	(0.7 - 45.3')	(20.0 - 143.1') "		
-21 -21 -22 -23 -22 -23	No Groundwate Samples Collected	Competent Bedrock - conglomerate	N/A	x x x x x x x x x x x x x x x x x x x	(24.5 - 25.5) SS Centralizer (5.7 - 39.0) Portland Cement 5% Bentonite Type I, II, and V with Hydrogel		(5.7 - 39.0') 116.1 Gailons	(5.7 - 39.0') 150 Gallons (129%) Note: Used >20% of the calculated volume due to potential voids that formed during drilling.
39_				× × × × × × × × × × × × × × × × × × ×			(39.0 - 43.4')	(39.0 - 43.4') 3 bars (86%)
40							3.5 bags	(00.00) 0 bays (00 %)
Abbre	viations: U	SCS = Unified	Soil Cl	assificat	ion System, ft = feet, bgs	= below ground surface, a	msl = above mean	sea level, SS = Stainless
Steal,	NR = No F	ecovery, N/A	= Not A	pplicable	e, GW = groundwater, No	otes: solid blue and hollow l	olue water table ma	arks represent depth to water
{(ft. bg	s.) static wa	ter measured	post de	velopm	ent and approximate stati	c measured during drilling,	respectively.	

9	ARC	ADIS			Well Const	ruction Log	(Sheet: 3 of 8
Date S	Started:	04/20/2022			_Surface Elevation:	504.57 ft amsl		2 01
Date C	Completed:	05/10/2022				503.83 ft amsl		<u> </u>
Drilling	, Co.:	ABC LIOVIN			_Deep Well Elevation:	<u>N/A</u>	Client: PG&E	<u> </u>
Drilling	Method:	Sonic Drilling			_Northing (NAD83):	2101089.85	Project: <u>Final</u>	GW Remedy Phase 2A
Driller	Name:	Eddie Ramos			_Easting (NAD83):	7616510.53	Location: PG&E	E Topock, Needles California
Drilling	Asst:	<u>J. Candelaria</u>	<u>/ F. Pe</u>	rez	Borehole Diameter:	<u>10-12 inches</u>		
Logge	r:	Grant Willford			_Static Water Level:	See Log for Depths	Project Numbe	r: <u>30126255</u>
Editor:		Sean McGrar	ne		_Development End Date:	6/1/2022		
Total I	Depth:	<u>143.1 ft bgs</u>	1		_Well Completion:	K Flush Stick-up	To Be Completed	in Well Vault
Depth (ft)	Groundwate Sample ID	Geologic	USCS Code	USCS Class	Construc		Calculated Material Volumes	Material Volumes Installed Note: percentages are the actual volume vs the calculated volume
41 42 43				× × × × × × × × × × × × × × × × × × ×	(0.7 - 45.3') 6" Sch. 80 PVC Casing (40.5 - 41.5') SS Centralizer (39.0 - 43.4') Cemex #0/30 (30x50) Lapis Lustre Sand		(39.0 - 43.4') 3.5 bags	(39.0 - 43.4') 3 bags (86%)
				$\begin{array}{c} \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \end{array}$	(43.4 - 44.0') Enviroplug Medium		(43.4 - 44.0') 0.3 bags	(43.4 - 44.0') 0.5 bags (167%) Note: Hydrated bentonite with
2 <u></u>				$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \end{vmatrix}$	Chips			approximately 5 gallons of fresh water. Used >20% of the
45				$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$				calculated volume due to potential voids that formed during drilling.
					(45.3 - 136.2')			l torae aracterinea aaring arining.
46				$\begin{array}{c} \times \times \times \\ \times \times \end{array}$	6" 0.02-Slot 316L SS Wire Wrap			
				$\begin{vmatrix} x & x & x \\ x & x & x \\ x & x & x \end{vmatrix}$	Screen			
47				$\begin{array}{c} \times \times \times \\ \times \times \end{array}$		F.		
48		Competent		$\left \begin{array}{c} x & x & x \\ x & x & x \end{array}\right $				
		Bedrock -	N/A			·[-]		
49		Congiomerate						
	No							
50_	Samples							
 51	Collected			$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$				
								(44.0 - 143.1') 85.5 bags (107%)
52				$\begin{array}{c} \times \times \times \\ \times \times \end{array}$	(44.0 - 143.1')		(44.0 - 143.1')	Note: Filter pack swabbed for approximately 5 minutes in 20 ft.
				$ \times \times$	(16x30) Lapis Lustre		`79.9 bags ´	lifts for a total of approximately 20 minutes prior to the installation of
53				$\begin{array}{c} \times \ \times \ \times \\ \times \ \times \ \times \\ \times \ \times \ \times \end{array}$				the well seal.
				$\begin{vmatrix} x & x & x \\ x & x & x \\ x & x & x \end{vmatrix}$				
<u>54 _</u>				$\left \begin{array}{c} \times & \times & \times \\ \times & \times & \times \\ \end{array} \right $				
55				$\begin{vmatrix} \hat{x} & \hat{x} & \hat{x} \\ x & x & x \end{vmatrix}$				
	1			$\left \begin{array}{c} \times & \times & \times \\ \times & \times & \times \end{array} \right $				
56_								
				$\left \begin{array}{c} \times & \times & \times \\ \times & \times & \times \end{array} \right $				
57								
				$\begin{vmatrix} x & x & x \\ x & x & x \\ x & x & x \end{vmatrix}$				
58				$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$	⊈			
		Bedrock -	N/A	$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$				
59		conglomerate	•	$\begin{vmatrix} x & x \\ x & x \end{vmatrix}$				
				$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \end{vmatrix}$				
60 Abbrev	viations [.] L	SCS = Unifier	l Soil C	l <u>x x x</u> lassifica	tion System ft = feet bas	⊢⊡1 = below ground surface a	amsl = above mean	sea level. SS = Stainless
Steal.	NR = No R	ecovery, N/A	= Not A	pplicab	le, GW = groundwater. No	otes: solid blue and hollow	blue water table ma	arks represent depth to water
(ft. bgs	s.) static wa	ter measured	post de	evelopm	ent and approximate station	c measured during drilling,	, respectively.	
						•		

Date Stated 04/20/20/22 Surface Elevator: 564.57 ft anel Well ID: ER.01 Dollar Completed Coll/2002/2 Surface Elevator: NA Chert: PC64 Dollar State State Well Evator: NA Chert: PC64 Dollar Mahod: Chart: PC64 PC64 PC64 Dollar Mahod: Chart: PC64 PC64 PC64 Dollar Mahod: Chart: PC64 PC64 PC64 Dollar Name: Catal:Villificit State: Water Local State: Water Local Docalors Catal:Villificit State: Viet Completor: State: PC64 PC64 Catal:Villificit State: <th>9</th> <th>ARC</th> <th>ADIS</th> <th></th> <th></th> <th>Well Const</th> <th>ruction Log</th> <th>;</th> <th>Sheet: 4 of 8</th>	9	ARC	ADIS			Well Const	ruction Log	;	Sheet: 4 of 8
Date Completed: DG102022 Shaltow Well Elwator: 503.83 ft amal Verifi 10 - Effect Dilling Cox AGE LUOVIN Done Well Elwator: MA Client: FOSE Dilling Asst. J. Candelatia / F. Perez Borcholo Dometer: 101-12 Inches Locatelatia / F. Perez Dilling Asst. J. Candelatia / F. Perez Borcholo Dometer: 101-12 Inches Locatelatia / F. Perez Dogen: Grant/Willord State Water Level: See Log for Depatis Project Number: 30125255 Total Depitie: 143.1 ft bga Well Completion: IX Elwaho To Be Completed in Well and Markane in the aduation water of the aduation of the aduation water of the aduation water of th	Date S	Started:	04/20/2022			Surface Elevation:	504.57 ft amsl		D 04
Drilling Co.: ABC LLOVIN Deep Viel Elevator: NVA Clemit: PGAE Drilling Methics Sancia Drilling Methics Easting (NADB3) 2510581.05.3 Location:: PGAE Docide: PGAE Drilling Methics Grant Willford Easting (NADB3) 751051.05.3 Location:: PGAE Docide: Classification: PGAE Doci	Date C	Completed:	05/10/2022			Shallow Well Elevation:	503.83 ft amsl		<u>R-01</u>
Daling Method: Sonic Delling. Northing (NAD83): 210109.86. Project. Find CW Rendy Phase 2A. Delling Name: Edite Ramos. Exaiting (NAD83): 710610.03. Locator: FGAE Topock, Nadeus California Delling Asst: L.Candenia / F. Peroz. Borcheb Diameter: 10-12 Inches Editor: Grant Wilford Completion: IX Planting State Verter: Set Borcheb Diameter: 10-12 Inches Editor: Grant Wilford Verter: Vert	Drilling	, Co.:	ABC LIOVIN			_Deep Well Elevation:	N/A	Client: PG&E	≣
Driefer Name: Edda Barnos. Easting (NADB3): 7516510.53. Location: FG&E Topock. Nandles California Jongens M. C. Calodiaria L. F. Perse. Borohoe Domoter: 10122.nchas Loggen: Grant Wilford Static Water Level: See Log for Depths Project Number: 30128265 Sean McGrane Development End Date: 6/1/2022 Total Depth: 143.11.tbg2 Well Completion: © Phah Stock-up To Be Completed in Well Vault	Drilling	g Method:	Sonic Drilling			_Northing (NAD83):	<u>2101089.85</u>	Project: <u>Final</u>	GW Remedy Phase 2A
Draling Ass: J. Candelating / F. Perez. Borchole Diameter: 10-12 Inches Project Number 30126225 Total Depth: 143.11 bgs: 143.11 bgs: 143.11 bgs: 144.0 - 143.13	Driller	Name:	Eddie Ramos	5		_Easting (NAD83):	7616510.53	Location: PG&E	E Topock, Needles California
Logger: Grant Willord Static Water (vevel: See Log for Depths Project Number 30128255 Total Depth: 143.11t.bga Well Completion: If Push I Stok-up I To Be Completed in Well Vautt §§ Grant-Willion 143.11t.bga Well Completion: If Push I Stok-up I To Be Completed in Well Vautt Network Vaumer Intallied Metanal Vaumer Intallied Metanal Vaumer Intallied Metanal Vaumer Values V	Drilling	a Asst:	J. Candelaria	/ F. Pe	rez	Borehole Diameter:	10-12 inches		•
Editor: Sean MG-Grane Development End Date: 6/1/2022 Total Depth: 143.1 ftbga Well Completion If Push I Stick-up I to Be Completed in Well Yoult Serie D Signature D Stick Stick-up I to Be Completed in Well Yoult Maintal Volumes Installed Metric Proceedings on the state Stick-up I to Be Completed in Well Yoult Serie D Stick I to Be Completed In Well Yoult Construction Betain Construction Betain Construction Betain 64 I to Be Completed In Well Yoult I to Be Completed In Well Yoult Maintal Volumes Installed Metric Proceedings on the state State Volume Maintal Volumes Installed Metric Proceedings on the state State Volume 64 I to Be Completed In Well Yoult I to Be Completed In Well Yoult Maintal Volumes Installed Metric Proceedings on the state State Young 64 I to Be Completed In Well Yoult I to Be Completed In Well Yoult I to Be Completed In Well Yoult 64 I to Be Completed In Well Yoult I to Be Completed In Well Yoult I to Be Completed In Well Yoult 64 I to Be Completed In Well Yoult I to Be Completed In Well Yoult I to Be Completed In Well Yoult 64 I to Be Completed In Well Yoult I to Be Completed In Well Yoult I to Be Completed In Well Yoult 70 I to Be Completed In Well Yoult </td <td>Logge</td> <td>er:</td> <td>Grant Willford</td> <td>ł</td> <td></td> <td>_Static Water Level:</td> <td>See Log for Depths</td> <td>Project Numbe</td> <td>r: <u>30126255</u></td>	Logge	er:	Grant Willford	ł		_Static Water Level:	See Log for Depths	Project Numbe	r: <u>30126255</u>
Total Depth: 113.1 ft log. Well Completion Image: Total Completion in Well Youth Total Completion in Well Youth Material Youth <t< td=""><td>Editor</td><td>:</td><td>Sean McGrar</td><td>ne</td><td></td><td>Development End Date</td><td>6/1/2022</td><td></td><td></td></t<>	Editor	:	Sean McGrar	ne		Development End Date	6/1/2022		
Status Status Status Status Matrix Vulners Matris<	Total [Depth:	143.1 ft bgs	T	1	Well Completion:	⊠ Flush Stick-up	To Be Completed	in Well Vault
41 44.2 43.1 35.2 46.2 <	Depth (ft)	Groundwat Sample II	Geologic Formation	USCS Code	USCS Class	Constru	ction Details	Calculated Material Volumes	Material Volumes Installed Note: percentages are the actual volume vs the calculated volume
Abbreviations: USCS = Unified Soil Classification System, ft = feet, bgs = below ground surface, amsl = above mean sea level, SS = Stainless Steal, NR = No Recovery, N/A = Not Applicable, GW = groundwater, Notes: solid blue and hollow blue water table marks represent depth to water (ft. bgs.) static water measured post development and approximate static measured during drilling, respectively.	- 61 - 61 - 62 - 62 - 63 - 63 - 66 - 66 - 66 - 66 - 67 - 68 - 68 - 70 - 71 - 71 - 77 - 78 - 79 - 80	No Groundwate Samples Collected	r Competent Bedrock - conglomerate	N/A	x x x x x x x x x x x x x x x x x x x	(45.3 - 136.2') 6" 0.02-Slot 316L SS Wire Wrap Screen (44.0 - 143.1') Cemex #2/16 (16x30) Lapis Lustre Sand		(44.0 - 143.1') 79.9 bags	(44.0 - 143.1') 85.5 bags (107%) Note: Filter pack swabbed for approximately 5 minutes in 20 ft. lifts for a total of approximately 20 minutes prior to the installation of the well seal.
Steal, NR = No Recovery, N/A = Not Applicable, GW = groundwater, Notes: solid blue and hollow blue water table marks represent depth to water (ft. bgs.) static water measured post development and approximate static measured during drilling, respectively.	Abbre	viations: U	SCS = Unified	I Soil C	lassificat	tion System, ft = feet, bgs	= below ground surface	amsl = above mean	sea level, SS = Stainless
(ft. bgs.) static water measured post development and approximate static measured during drilling, respectively.	Steal,	NR = No F	ecovery, N/A	= Not A	pplicabl	e, GW = groundwater, N	otes: solid blue and hollo	w blue water table ma	arks represent depth to water
	(ft. bgs	s.) static wa	ater measured	post de	evelopm	ent and approximate stati	c measured during drillin	g, respectively.	

9	ARC	ADIS			Well Const	ruction Log		Sheet: 5 of 8
Date S	started:	04/20/2022			Surface Elevation:	504.57 ft amsl		D 01
Date C	completed:	05/10/2022			Shallow Well Elevation:	503.83 ft amsl		<u>-01</u>
Drilling	Co.:	ABC LIOVIN			Deep Well Elevation:	N/A	Client: PG&E	=
Drilling	Method:	Sonic Drilling			Northing (NAD83):	2101089.85	Proiect: Final	GW Remedy Phase 2A
Driller	Name:	Eddie Ramos			Easting (NAD83):	7616510.53	Location: PG&E	Topock, Needles California
Drilling	Asst:	J. Candelaria	/F.Pe	rez	Borehole Diameter:	10-12 inches		
	r:	Grant Willford	1		Static Water Level:	See Log for Depths	Project Numbe	r: 30126255
Editor:		Sean McGrar	ne		Development End Date:	6/1/2022		
Total D	Depth:	143.1 ft bgs	<u> </u>	<u> </u>	Well Completion:	⊠ Flush Stick-up	To Be Completed	in Well Vault
Depth (ft)	Groundwat Sample II	Geologic	USCS Code	USCS Class	Constru	ction Details	Calculated Material Volumes	Material Volumes Installed Note: percentages are the actual volume vs the calculated volume
81		Competent Bedrock - conglomerate	N/A	× × × × × × ×	(45.3 - 136.2') — 6" 0.02-Slot 316L SS Wire Wrap			
82		Competent Bedrock - conglomerate	N/A	× × × × × × × × × × × × × × × × × ×	Screen		N	
83								
84								
85								
86				$\begin{array}{c} \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \\ \times & \times &$				
87				× × × × × × × × ×				
				$\begin{array}{c} \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \\ \times & \times &$				
		Competent		× × × × × × × × ×				(44.0 - 143.1') 85.5 bags (107%)
90	Groundwate Samples Collected	Bedrock - conglomerate	N/A		(44.0 - 143.1') Cemex #2/16 (16x30) Lapis Lustre		(44.0 - 143.1') 79.9 bags	approximately 5 minutes in 20 ft. lifts for a total of approximately 20 minutes prior to the installation of
91				× × × × × × × × × × × ×				the well seal.
92				× × × × × × × × ×				
93_								
94				× × × × × × × × ×				
95								
96				× × × × × × × × ×				
97			·					
98			NR	$ \rangle $				
99_								
100			N/A	$\mathbf{x} \mathbf{x} \mathbf{x}$		<u> </u>		
Abbrev	viations: U	SCS = Unified	l Soil C	assificat	ion System, ft = feet, bgs	= below ground surface,	amsl = above mean	sea level, SS = Stainless
Steal, I	NR = No F	ecovery, N/A	= Not A	pplicabl	e, GW = groundwater, No	otes: solid blue and hollow	v blue water table ma	arks represent depth to water
(ft. bgs	s.) static wa	ter measured	post de	evelopm	ent and approximate stati	c measured during drilling	, respectively.	

9	ARC	ADIS			Well Const	ruction Log	S	Sheet: 6 of 8
Date S	started:	04/20/2022			Surface Elevation:	504.57 ft amsl		2 04
Date C	completed:	05/10/2022				503.83 ft amsl		<u></u>
Drilling	Co.:	ABC LIOVIN			_Deep Well Elevation:	N/A	Client: PG&E	
Drilling	Method:	Sonic Drilling			_Northing (NAD83):	<u>2101089.85</u>	Project: <u>Final</u>	GW Remedy Phase 2A
Driller	Name:	Eddie Ramos	6		_Easting (NAD83):	7616510.53	Location: <u>PG&E</u>	Topock, Needles California
Drilling	Asst:	J. Candelaria	/ F. Pe	rez	_Borehole Diameter:	10-12 inches		•
Logge	r:	Grant Willford	d		_Static Water Level:	See Log for Depths	Project Number	r: <u>30126255</u>
Editor:		Sean McGra	ne		_Development End Date	: 6/1/2022		
Total E	Depth:	<u>143.1 ft bgs</u>			_Well Completion:	∑ Flush Stick-up] To Be Completed	in Well Vault
Depth (ft)	Groundwat Sample II	Geologic Lorrmation	USCS Code	USCS Class	Constru	ction Details	Calculated Material Volumes	Material Volumes Installed Note: percentages are the actual volume vs the calculated volume
	No Groundwate Samples Collected	r Competent Bedrock - conglomerate	N/A	x x x x x x x x x x x x x x x x x x x	(45.3 - 136.2') 6" 0.02-Slot 316L SS Wire Wrap Screen (44.0 - 143.1') Cemex #2/16 (16x30) Lapis Lustre Sand	= below ground surface, a	(44.0 - 143.1') 79.9 bags	(44.0 - 143.1') 85.5 bags (107%) Note: Filter pack swabbed for approximately 5 minutes in 20 ft. lifts for a total of approximately 20 minutes prior to the installation of the well seal.
	vialions: U	SUS = Unitied		assificat	1011 System, π = feet, bgs	- pelow ground surface, a	amsi = above mean	sea ievei, 55 = Stainless
Steal,	NR = No F	Recovery, N/A	= Not A	pplicabl	e, GW = groundwater, N	otes: solid blue and hollow	blue water table ma	rks represent depth to water
ft. bgs	s.) static wa	ater measured	post de	evelopm	ent and approximate stat	c measured during drilling	, respectively.	
-								

9	ARC	ADIS			Well Con	struct	ion Log		Sheet: 7 of 8
Date S	Started:	04/20/2022			_Surface Elevation:	504.5	7 ft amsl		P 01
Date 0	Completed:	05/10/2022			Shallow Well Elevation	on: 503.8	3 ft amsl		<u>R-01</u>
Drilling	Co.:	ABC LIOVIN			_ Deep Well Elevation:	: N/A		Client: PG&I	E
Drilling	, Method:	Sonic Drilling			Northing (NAD83):	21010)89.85	Project: Final	GW Remedy Phase 2A
Driller	, Name:	Eddie Ramos	;		Easting (NAD83):	76165	510.53	Location: PG&I	E Topock. Needles California
Drilling	Asst:	J. Candelaria	/ F. Pe	rez	Borehole Diameter:	10-12	inches		
	r:	Grant Willford	<u>/</u> 	0L	Static Water Level:	See I	og for Depths	Project Numbe	r: 30126255
Fditor		Sean McGrar	ne ne		Development End Da	ate: 6/1/20)22		
Total [Depth:	143.1 ft bas			Well Completion:	⊠ FI	ush Stick-up	 To Be Completed	in Well Vault
		ion	(0, m)	<i>(</i>) <i>(</i>)	Con	nstruction Det	ails		Material Volumes Installed
Dept (ft)	Sample IE	Eor Beolo	Code	USC				Calculated Material Volumes	Note: percentages are the actual volume vs the calculated volume
	No Groundwate Samples Collected	r Competent Bedrock - conglomerate	N/A	x x x x x x x x x x x x x x x x x x x	(45.3 - 136.2') 6" 0.02-Slot 316L SS Wire Wrap Screen (44.0 - 143.1') Cemex #2/16 (16x30) Lapis Lustre Sand (138.0 - 139.0') SS Centralizer		(136.2 - 141.6') 6" Sch 40 PVC Sump and SS End Cap	(44.0 - 143.1') 79.9 bags	(44.0 - 143.1') 85.5 bags (107%) Note: Filter pack swabbed for approximately 5 minutes in 20 ft. lifts for a total of approximately 20 minutes prior to the installation of the well seal.
	viotiene: L				ion Quotore # = f= = (
	VIATIONS: U			assificat	$\Omega O W = \pi \pi \sigma W$		w ground surface, an	nsi = apove mean	sea level, SS = Stainless
Steal,	NR = NOF	ecovery, N/A	= Not A	.pplicabl	e, GW = groundwater	, Notes: so	blid blue and hollow b	olue water table ma	arks represent depth to water
ع (ft. bg	s.) static wa	iter measured	post de	evelopm	ent and approximate s	static meas	ured during drilling, r	espectively.	
Ĵ									

C	ARC	Ά	DIS			Well Const	ruction Log	S	Sheet: 8 of 8
Date	Started:	04/2	0/2022			_Surface Elevation:	504.57 ft amsl	Well ID: EF	R-01
Date	e Completed	<u>05/1</u>	0/2022			_Shallow Well Elevation:	503.83 ft amsl		
Drilli	ng Co.:	<u>ABC</u>	LIOVIN			_Deep Well Elevation:	<u>N/A</u>	_Client: <u>PG&E</u>	
Drilli	ng Method:	<u>Soni</u>	ic Drilling			_Northing (NAD83):	2101089.85	_ Project: <u>Final</u>	GW Remedy Phase 2A
Drill	er Name:	<u>Eddi</u>	<u>ie Ramos</u>			_Easting (NAD83):	7616510.53	Location: PG&E	Topock, Needles California
Drilli	ng Asst:	<u>J. Ca</u>	andelaria /	F. Per	ez	Borehole Diameter:	10-12 inches		
Log	ger:	<u>Grar</u>	nt Willford			_Static Water Level:	See Log for Depths	Project Number	r: <u>30126255</u>
Edit	or:	Sear	n McGrane	e		_Development End Date:	6/1/2022		
Tota	I Depth:	<u>143.</u>	.1 ft bgs			_Well Completion:	⊻ Flush Stick-up	To Be Completed	in Well Vault
	Groundwa Sample II	er D	Geologic ⁻ ormation	USCS Code	USCS Class	Construc	ction Details	Calculated Material Volumes	Material Volumes Installed Note: percentages are the actual volume vs the calculated volume
14	 No Groundwate Samples Collected 	er (Competent Bedrock - onglomerate	N/A	× × × × × × × × × × × × × × × × × × ×	(44.0 - 143.1') Cemex #2/16 (16x30) Lapis Lustre Sand	(136.2 - 141.6') 6" Sch 40 PVC Sump and SS End Cap	(44.0 - 143.1') 79.9 bags	(44.0 - 143.1') 85.5 bags (107%) Note: Filter pack swabbed for approximately 5 minutes in 20 ft. lifts for a total of approximately 20 minutes prior to the installation of
	_				$\begin{array}{c} \times & \times & \times \\ \times & \times & \times \end{array}$				the well seal.
14; 14;	3				$\begin{array}{c} \times \times \times \\ \times \times \times \end{array}$				
	_								
≝14	└ <u>_</u>								
-ILLES/0	_								
14	i								
ON/02	-								
14) 2	<u> </u>								
	_								
a14)	<u></u>								
190/5									
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Hd\s									
15 ⁻									
	_								
15	2								
	_					-			
	3								
12/10ft	-								
≦154	<u> </u>								
MK00	-								
≩ <u></u> _15									
≝150	<u> </u>								
	, –								
15 15	-								
159 159 159									
	<u></u>								
¥ ∧ 150									
Abb	reviations: L	SCS	= Unified	Soil Cla	assificat	ion System, ft = feet, bgs	= below ground surface, arr	nsl = above mean	sea level, SS = Stainless
Stea	l, NR = No F	Recov	/ery, N/A =	Not A	pplicabl	e, GW = groundwater, No	otes: solid blue and hollow b	lue water table ma	rks represent depth to water
<u>چْ (</u> ft. k	gs.) static wa	ater n	neasured p	oost de	velopm	ent and approximate station	c measured during drilling, r	espectively.	
5									

9	٩R	CAD	S		Bo	oring	l Fog	St	ieet: 1 of	8
Date Sta	arted:	03/31/2	2022		Surfac	e Eleva	tion: <u>504.57 ft amsl</u>	- Borina No	.: ER-01	
Date Co	mple	ted: <u>04/20/</u>	2022		Northir	ng (NAI	083): <u>2101089.85</u>			
Drilling (Co.:	ABC L			Easting) (NAD	83): <u>7616510.53</u>	_ Client: <u>PG&E</u>		
Drilling N	Metho	od: <u>Sonic I</u>	Drilling		Total D	epth:	<u>143.1 ft bgs</u>	_ Project: <u>Final C</u>	W Remedy Pr	nase 2A
Drill Rig	Туре	: <u>Terra S</u>	<u>Sonic Truck I</u> –	Mount	Boreho	ole Diar	neter: <u>10-12 inches</u>	_ Location: <u>PG&E</u>	Topock, Need	les California
Driller N	ame:	Eddie	Ramos		Depth	to First	Water: 80.5 ft bgs			
Drilling A	Asst:	J. Can	<u>delaria / F. P</u>	erez	Sampli	ng Met	hod: <u>7 inch x 10 ft. Core Barrel</u>	_ Project Number:	30126255	
Logger:		<u>Grant V</u>	Willford		Sampli	ng Inte	rval: <u>Continuous</u>	-		
Editor:		Sean N	vicGrane	'	Conve	ted to				
Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formation	USCS Code	USCS Class	Soil Description		Drilling Notes	Drilling Fluid
 1 				Alluvium Deposits	SM		(0-2 ft) Silty sand with gravel (SM); reddish br fine to coarse, angular to subround; little silt; to subround; little small cobbles, angular to si very large pebbles, angular to subround; trace dry.	own (5YR 5/4); very ittle granules, angular ubround; little small to e clay; poorly sorted;	(0.0 - 4.5') Air-knifed for utility clearance refusal at approximately 4.5 ft bgs due	(0.0 - 4.5') No drilling fluid used
3 3 4	4.5			Alluvium Deposits	SM		(2-4.5 ft) Silty sand with gravel (SM); reddish fine to very coarse, angular to subround; little pebbles, angular to subround; little small to la to subround; little silt; little granules, angular to clay; poorly sorted; dry; coarser grained comp lithology.	prown (5YR 5/4); very small to very large irge cobbles, angular o subround; trace iosed of mixed	to encountering bedrock. Logged from air-knife cuttings.	
5				F		<u> </u>	(4.5-7 ft) No Recovery.		(4.5 - 20.0')	(4.5 - 20.0')
						$ \rangle /$			inch conductor	water used;
6					NR	ΙX			casing 4.5-20 ft bgs	500 gallons of water
	0					$ /\rangle$			(5.0 - 7.0') Core fell out of	recovered; 100 gallons of
7						$ \rangle$			core barrel	water lost
					<u> </u>		(7-36 ft) Sedimentary Rock - Conglomerate;	reddish brown (2.5YR	(7.0 - 15.0')	
8 9						× × × × × × × × × × × × × × × × ×	hard; massive; some competent rock fragmer inches in length; moderately to highly friable; sample appeared mostly pulverized drilling pr	ts observed, 1-2.5 dry; NOTE: Core ocess.	Rough drilling	
			No							
10		No Sieve Samples	Groundwater			× × × × × ×				
		Collected	Collected							
11	8									
12						$\begin{array}{c} \times \times \times \\ \times \times \end{array}$				
13										
				Weathered Bedrock -	N/A	$\begin{array}{c} \times \ \times \ \times \\ \times \ \times \ \times \end{array}$				
14				conglomerate	9					
15						$\begin{array}{c} \times \times \times \\ \times \times \end{array}$				
									(15.0 - 17.0') Rough drilling	
16	2									
	-					$ \times \times \times \\ \times \times \times$				
17						$ \times \times$				
									(17.0 - 22.0') Very rouah	
18									drilling	
$ \downarrow \downarrow$	5									
19	-									
20						$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				
Abbrevia	ations	: USCS = l	Jnified Soil C	lassification	Syste	n, ft = 1	eet, bgs = below ground surface, am	sl = above mean se	ea level, NR = I	No Recovery
N/A = N	ot Ap	plicable, GV	V = groundw	ater, Notes:	solid b	olue an	d hollow blue water table marks repre	sent depth to wate	r (ft. bgs.) first e	encountered
during d	Irilling	and approx	timate static r	neasured d	uring d	evelop	ment, respectively. Apparent partial re	coveries can be th	e result of pote	ntial
compac	tion o	of sediments	in the core b	ag.						

9	AR	CADI	S		Bo	pring	J Log		Sheet: 2 of	8
Date S	started:	03/31/2	2022		Surface	e Eleva	tion: <u>504.57 ft amsl</u>	Boring	No · FR-01	
Date C	Comple	eted: <u>04/20/2</u>	2022		Northir	ıg (NAI	D83): <u>2101089.85</u>	Doning		
Drilling	g Co.:	<u>ABC L</u>	IOVIN		Easting) (NAD	83): <u>7616510.53</u>	Client: <u>P</u>	G&E	
Drilling	, Metho	od: <u>Sonic I</u>	Drilling		Total D	epth:	<u>143.1 ft bgs</u>	Project: Fi	nal GW Remedy Ph	nase 2A
Drill Ri	ig Type	: <u>Terra S</u>	Sonic Truck I	Mount	Boreho	ole Diar	neter: <u>10-12 inches</u>	Location: P	G&E Topock, Need	les California
Driller	Name:	Eddie I	Ramos		Depth	to First	Water: 80.5 ft bgs		•	
Drilling	Asst:	J. Can	delaria / F. P	erez	Sampli	ng Met	hod: 7 inch x 10 ft. Core Barrel	Project Num	nber: 30126255	
Loade	er:	Grant \	Willford		Sampli	na Inte	rval: Continuous	. ,		
Editor		Sean N	VcGrane		Conve	ted to	Well: X Yes No	-		
	>			05	1					
Depth (ft)	Recover (ft)	Sieve Sample ID	Groundwater Sample ID	Geologi Formatio	USCS Code	USCS	Soil Description		Drilling Notes	Drilling Fluid
	-						(7-36 ft) Sedimentary Rock - Conglomerate; re 5/4); microcrystalline to coarse grained, angula hard; massive; some competent rock fragment	eddish brown (2.5 ar; highly weathei ts observed, 1-2.5	5YR red; 5	
	5					$ \times \times \times \\ \times \times \times$	inches in length; moderately to highly friable; d	ry; NOTE: Core		
	-							00033.		
22							(22 ft) Observed some competent rock fragme	nts within the mo	stly (22.0 - 27.0')	(22.0 - 27.0')
							friable conglomerate.		Very rough	No drilling fluid
23										4504
						$ \times \times$				
24	-									
	5									
25	-					$ \times \times$				
	-									
26	-									
	-									
27						$\left \begin{array}{c} \times \times \times \\ \times \times \end{array} \right $			(27.0 - 32.0')	(27.0 - 32.0')
	-								Rough drilling	No drilling fluid
28	-			Bedrock -	N/A					used
	-			conglomerat	te					
29	-					$\begin{array}{c} \times \times \times \\ \times \times \end{array}$				
K∩ ■ – –	5		No							
30	-	No Sieve Samples	Groundwater			$\hat{\mathbf{x}} \times \hat{\mathbf{x}}$			(20.01)	(20.01)
	-	Collected	Collected			× × × × × ×			(30.0) 10-inch	No drilling fluid
31						$\times \times \times$ $\times \times \times$			diameter drill casing	used
									became	
32									Advanced	
									12-inch diameter	(32.0 - 36.0') No drilling fluid
33						$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \end{vmatrix}$			conductor	used
									the 10-inch	
34									drill casing. (32.0 - 36.0')	
	5					$ \times \times$			Rough drilling	
35						$ \times \times$				
_36										
]					$\times \times \times$	(36-57 ft) Sedimentary Rock - Conglomerate; r	eddish brown (2.	.5YR (36.0 - 37.0')	(36.0 - 37.0') No drilling fluid
37	1					$ \times \times$	some competent rock fragments observed, 1 to	o 3 inches in leng	gth; drilling; drill	used
							less triable and more difficult to break; some fr within the competent rock observed; dry; NOTE	able rock fragme E: Core sample	ents rate slowed significantly.	(37.0 - 42.0')
30	1			Competent	t		appeared mostly pulverized drilling process.		(37.0 - 42.0')	used
	1_			Bedrock - conglomerat	N/A te	$ \times \times$			conditions	
	5					$ \times \times$			changed from	
59_39_									normal at	
									discrete depths	
40 Abbre	viation	s: USCS = I	Jnified Soil C	lassification	ı Svstei	<u>10 0 0</u> m. ft = 1	feet, bas = below around surface, ams	sl = above me	an sea level. NR = 1	No Recoverv
N/A =	Not Ar	plicable GV	V = aroundw	ater. Notes	: solid h	lue an	d hollow blue water table marks repres	sent depth to	water (ft. bas) first (encountered
during	drilling	and approx	imate static r	neasured o	lurina d	evelon	ment, respectively. Apparent partial rec	coveries can b	be the result of note	ntial
compa	action of	of sediments	in the core h	aq.			,			
				.9.						

9	AR	CADI	S		Bo	oring	j Log	S	heet: 3 of	8
Date S	Started	03/31/2	2022		Surface	e Eleva	tion: <u>504.57 ft amsl</u>	- Borina Na).: ER-01	
Date C	Comple	ted: <u>04/20/</u>	2022	I	Northir	ig (NAI	D83): <u>2101089.85</u>	Donight	<u></u>	
Drilling	Co.:	<u>ABC L</u>	IOVIN	I	Easting) (NAD	83): <u>7616510.53</u>	_ Client: <u>PG&E</u>		
Drilling	Metho	od: <u>Sonic</u>	Drilling		Total D	epth:	<u>143.1 ft bgs</u>	_ Project: <u>Final (</u>	<u>GW Remedy Pł</u>	nase 2A
Drill Ri	д Туре	e: <u>Terra S</u>	<u>Sonic Truck N</u>	<u>/lount</u> I	Boreho	le Diar	neter: <u>10-12 inches</u>	_ Location: <u>PG&E</u>	Topock, Need	les California
Driller	Name:	<u>Eddie</u>	Ramos	[Depth	to First	Water: 80.5 ft bgs			
Drilling	Asst:	<u>J. Can</u>	<u>delaria / F. Pe</u>	erez s	Sampli	ng Met	hod: <u>7 inch x 10 ft. Core Barrel</u>	_ Project Number:	30126255	
Logge	r:	<u>Grant</u>	Willford		Sampli	ng Inte	rval: <u>Continuous</u>	_		
Editor:		<u>Sean N</u>	<u>AcGrane</u>	(Conve	ted to	Well: 🗵 Yes 🗌 No			
Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formation	USCS Code	USCS Class	Soil Description		Drilling Notes	Drilling Fluid
41	5					x x x x x x x x x x x x x x x x x x x	(36-57 ft) Sedimentary Rock - Conglomerate; 5/4); microcrystalline to coarse grained, angul some competent rock fragments observed, 1 less friable and more difficult to break; some t within the competent rock observed; dry; NOT appeared mostly pulverized drilling process.	reddish brown (2.5YR lar; hard; massive; to 3 inches in length; iriable rock fragments E: Core sample	throughout drill run.	
43		No Sieve Samples Collected				××××××××××××××××××××××××××××××××××××××			(42.0 - 57.0') Normal drilling conditions; very rough drilling at discrete depths.	(42.0 - 57.0') No drilling fluid used
45	5					× × × × × × × × × × × × × × × × × × ×				
46						(<i>'O'</i>			
47 48 49	4.5		N	Competent Bedrock - conglomerate	N/A	× × × × × × × × × × × × × × × × × × ×				
50 51			Groundwater Samples Collected			× × × × × × × × × × × × × × × × × × ×				
 52						× × × × × × × × × × × × × × × × × × ×				
53 54		ER-1-SS-47- 67 4/5/2022 11:38				<pre></pre>				
55	5					× × × × × × × × × × × × × × × × × × ×				
56 57							(57.74 ft) Sedimentary Deck Constances	raddich brown /2 EVD	(57.0 62.0)	(57.0 62.00)
58 59	5			Weathered Bedrock - conglomerate	N/A	(×××××××××××××××××××××××××××××××××××××	(31-74 II) Setumentary Rock - Congiomerate; 5/4); microcrystalline to coarse grained, angul hard; massive; some competent rock fragmer inches in length; moderately to highly friable; d sample appeared mostly pulverized drilling pr	lar; highly weathered; ts observed, 1-2.5 dry; NOTE: Core ocess.	(37.0 - 62.0) Smooth drilling ♀	(57.0 - 62.0) No drilling fluid used
60	viotic -		Inified Seil O		Sunt-	<u> </u>	foot has - holow around outfood			Decesion
		$\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$		assilication	Syster	$11, \pi = 1$	leel, bys = below ground surface, am	si = above mean s	r (ff b a c) first	NU RECOVERY,
IN/A =		plicable, GV	v = groundwa	aler, NOTES:	solid b	nue an	u nollow blue water table marks repre	sent depth to wate	er (IL DGS.) TIPSt (encountered
auring	arilling	anu approx	in the static h	neasured di	unng d	evelopi	ment, respectively. Apparent partial re	coveries can be th	ie result of pote	nual
compa	action o	or seaments	in the core b	ag.						

Sund Starting 0331/2022 Surface Elevation: 504 57 ft and Surface Completed Boring No.: ER-01 Deller Completed Deller Completed Starting Common Surface Elevation: 504 57 ft and Surface Elevation: Surface Elevation: 504 57 ft and Surface Elevation: Boring No.: ER-01 Deller Completed Starting ABC LLOVIN Easting (NADB3) Z016088/6 Control Completed Surface Elevation: 10412 Inchas Control Complete Surface Elevation: Control Complete Surface Elevation: 10412 Inchas Control Complete Surface Elevation: Control Complete Surface Elevation: Control Complete Surface Elevation: 10412 Inchas Control Complete Surface Elevation: Control Complete Surface Elevation: Control Complete Surface Elevation: Control Complete Surface Eleva	9	AR	CADI	S		Bo	oring	y Log	S	Sheet: 4 of	8
Date Complete: 04/20/222 Northing (NAD8) 2101089.85 Exclusion Drilling Co: ABC LOV/N Easting (NAD8) 70161510.83 Clerk: Project: Enal GW Rendy Phase 2A Drilling Method: Sonic Dilling Total Depth: 13.1 ft Dos Project: Enal GW Rendy Phase 2A Drilling Method: Cancelabrial: / F. Preze Sampling Internal: Continuous Continuous Drilling Asst: J. Cancelabria: / F. Preze Sampling Internal: Continuous Project: Male 2565 Continuous Sampling Internal: Continuous Continuous Project: Duiling fluit Case Sampling Internal: Continuous Continuous Project: Duiling fluit Case Sampling Internal: Continuous Continuous Project: Duiling fluit Case Sampling Internal: Continuous Continuous Project: Enal GW Rendy Case Sampling Internal: Continuous Continuous Project: Enal GW Rendy Case Sampling Internal: Continuous Continuous Project: Project: Enal GW Rendy Case Sampling Internal: Continuous Continuous Continuous Project: Project: <	Date S	Started	03/31/2	2022		Surfac	e Eleva	tion: <u>504.57 ft amsl</u>	- Boring Na	D.: FR-01	
Drilling Col: ABC LOUNIN Easting (NADES); Z11510.5.3 Clent: PC38E Drilling Method: Sonic Drilling Total Depth: 13.1 ft bgs Project Final CW Remery Phase 2A Drilling Method: Total Depth: 13.1 ft bgs Project Inance: Location: PC3E Drilling Method: Samphing Method: Sonic Drilling Name: Sonic Drilli	Date C	Comple	eted: <u>04/20/</u> 2	2022		Northir	ig (NA	D83): <u>2101089.85</u>			
Draining Method: Some: Draining Total Dept: 143.1ft bg Project: Enclower En	Drilling	Drilling Co.: ABC LIOVIN						83): 7616510.53	Client: PG&	Ξ	
Der Narres - Locator: PGAE Topock. Needles: California Dorliter Nume: Dorliter Nume: Dorlit	Drilling	Metho	od: Sonic l	Drillina		Total D	epth:	, 143.1 ft bas	Project: Final	GW Remedy Pł	nase 2A
Depther Numer Eddla Ramos Dopht to Fruit Water: 80.5 fl.bgs Project Number: 30120255 Candedata / F. Perze Sampling Mathod: Tink x 10 C.Core Barrel Project Number: 30120255 Candedata / F. Perze Sampling Mathod: Tink x 10 C.Core Barrel Project Number: 30120255 Candedata / F. Perze Sampling Mathod: Tink x 10 C.Core Barrel Project Number: 30120255 Candedata / F. Perze Sampling Mathod: Converted to Wirk! 21 Yes No See: McGrante Converted to Wirk! 21 Yes No Drilling Nule Drilling Nule -61 5 See: Sec: Sec: <td>Drill Ri</td> <td>a Type</td> <td>e Terra S</td> <td>Sonic Truck</td> <td>Mount</td> <td>Boreho</td> <td>ole Diar</td> <td>meter: 10-12 inches</td> <td>Location: PG&F</td> <td>Topock Need</td> <td>les California</td>	Drill Ri	a Type	e Terra S	Sonic Truck	Mount	Boreho	ole Diar	meter: 10-12 inches	Location: PG&F	Topock Need	les California
Initing Ass: L Gandelain / E. Perez Sampling Method: Zinch x 10 ft. Core Barcel Project Number: 30126255 coger: Grant Midlard Sampling Interval: Continuous Continuous Sig 5 5 Sampling Interval: Continuous Continuous Sig 5 5 Sampling Interval: Continuous Continuous Sig 5 5 Sampling Method: Yes No Sig 5 5 Sampling Method: Yes No Sig 5 5 Sampling Method: Yes No Sig 5 Sampling Method: Yes No Continuous Sig 5 Sampling Method: Yes No Continuous Sig 5 Sampling Method: Yes No Continuous Continuous Sig 5 Sampling Method: Yes Yes No Continuous Continuous Sig 6 Sampling Method: Yes Yes Yes Yes Yes Yes Sig 7 Sampling Method: Yes Yes Yes Yes Yes Yes Yes Yes	Driller	Name [.]	Eddie I	Ramos	nount	Denth	to First	Water: 80.5 ft bas	200000000 <u> 0000</u>		
An up year. Constructions Constructions Topics Units On a Data Data Data Data Data Data Data D	Drilling	ι Δeet·		delaria / E. P	oro7	Sampli	na Mot	hod: 7 inch x 10 ft Core Barrel	 Project Number	. 30126255	
CalibrativeCalibrativeComplete and the calibration of		r.	<u>Crant</u>	Millford		Sampli	ng Inte	nal: Continuous		. 00120200	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Editor	1.	Sean M	AcGrane		Conve	ted to	Well: X Ves No			
$ \frac{5}{6} \mathbb{C} 5$	Luitor.										
 Britania Page and managementary Rock - Componential: models from (2017) Britania Page and models and process and managementary to highly works and a managementary model with the page and models process. Britania Page and Page	Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formation	USCS Code	USCS Class	Soil Description		Drilling Notes	Drilling Fluid
1 5 1								(57-74 ft) Sedimentary Rock - Conglomerat	e; reddish brown (2.5YR gular: highly weathered:		
 Barbar H Replaced most your design in total any of the present most of your before on the present of the present most of your before on the present of the present most of your before on the present of th	61	5						hard; massive; some competent rock fragm	ients observed, 1-2.5		
B2 Image: Bit is a state in the state								sample appeared mostly pulverized drilling	process.		
 100 - 100 -	62						$ \times \times$				
- 03 - 05							$ \times \times$		N V	(62.0 - 67.0')	(62.0 - 67.0')
ER-1-SS-47- 450- 138	62	1									used
-04 400002 11138 -05 5 -06 -07 -06 -07 -06 -07 -07 -07 -08 -07 -09 -07 -09 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -17 -07 -170 -07 -170 -07 -170 -07 -170 -07 -170 -07 -170 -07 -170 -07 -170 -07 -170 -07 -170		1	ER-1-SS-47-								
-0 5 11.39 -05 -0 -0 -06 -0 -0 -07 -0 -0 -09 -0 -0 -09 -0 -0 -09 -0 -0 -170 -7 -7 -73 ER-1-55-67 -0 -74 -45/222 -12.05 -74 -6 -0 -75 -7 -7 -74 -6 -7 -75 -7 -7 -76 -7 -7 -76 -7 -7 -76 -7 -7 -76 -7 -7 -76 -7 -7 -76 -7 -7 -76 -7 -7 -76 -7 -7 -77 -7 -7 -78 -5 -5 -79 5 -5 -79 -5 -7 -79 5 -7			4/5/2022								
 -65_ -66_ -66_ -66_ -66_ -67_ -68_ -68_ -77_ -7 <li< td=""><td>L_04_</td><td> </td><td>11:38</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></li<>	L_04_		11:38								
-00- 		5					$ \times \times$				
-66	65										
-66							l × × ×				
- 67 -	66										
-67					Weathered	4					
68	67				Bedrock -	N/A	$\times \times $			(67.0 - 74.0')	(67.0 - 74.0')
-68 -69 -70 -7					conglomera	te				Smooth drilling	No drilling fluid
	68							The second se			used
						× × × × × ×					
	69						$ \times \times \times \\ \times \times \times$				
				No Groundwater							
- -	_70_										
		7		Collected							
ER-1-SS-67- 73 ER-1-SS-67- 74 4/5/2022 12:05 75 - 76 - 77 - 78 - 78 - 78 - 79 - 70 - 79 - 70 - 7	_71_	, í									
72 73 ER.1-SS-67- 87 (74-81 ft) Sedimentary Rock - Conglomerate; reddish brown (2.5YR 4/5/2022 12:05 (74-81 ft) Sedimentary Rock - Conglomerate; reddish brown (2.5YR 5/4); microcrystalline to carse grained, angular, massive; some 5/4); microcrystalline to carse grained, angular, massive; some to break; some finible rock fragments within the competent rock with the competent rock orgilomerate (74-81 ft) Sedimentary Rock - Conglomerate; reddish brown (2.5YR S/4); microcrystalline to carse grained, angular, massive; some to break; some finible rock fragments within the competent rock with the											
1 -73 ER.1-SS.67- 4/5/2022 Image: Completent content of the second	72	1					$ \times \times$				
73 ER-1-SS-67- 87 4/5/2022 74 12:05 75 12:05 76 3 77 1 77 1 78 5 79 5 70 1 77 1 78 1 79 5 76 1 77 1 78 1 79 1 78 5 79 5 79 5 78 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 5 79 7 79 5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
Image: Ref and the second s	72	1									
74 4/5/2022 12:05 12:05 (74.0 - 77.0) (74.0 - 77.0) (74.0 - 77.0) (74.0 - 77.0) (74.0 - 77.0) (74.0 - 77.0) (74.0 - 77.0) No drilling fluid -		1	ER-1-SS-67-								
12.03 12.03 12.03 (74.81 ft) Sedimentary Rock - Conglomerate; reddish brown (2.5YR microcrystalline to coarse grained, angular; massive; some competent rock fragments observed; 17.3 inches in length; difficult used (74.0 - 77.0) (74.0 - 77.0) (74.0 - 77.0) -<		1	4/5/2022				$ \times \times$				
	- / 4		12.00					(74-81 ft) Sedimentary Rock - Conglomerat	e; reddish brown (2.5YR	(74.0 - 77.0')	(74.0 - 77.0')
		1						5/4); microcrystalline to coarse grained, and competent rock fragments observed, 1-3 in	guiar; massive; some ches in length; difficult		used
	-/3_	1					$ \begin{array}{c} \times \\ \times \\ \times \\ \end{array} \\ \times \\ \times \\ \times \\ \times \\ \times \\ \times \\$	to break; some friable rock fragments within	n the competent rock		
10		3						drilling process.	sa mosay purvenzeu		
-77 -	<u> </u>										
-// - - Bedrock - N/A × × × ×					Competen	t					
78 -	-77				Bedrock -	N/A	$ \times \times$			(77.0 - 97.0')	(77.0 - 97.0')
-78 -	-				congiomera	10				Rough drilling	No drilling fluid
$\begin{bmatrix} -79 \\ -80 \end{bmatrix} = \begin{bmatrix} 5 \\ -80 \end{bmatrix} = \begin{bmatrix} 10 \\ -80 \end{bmatrix} = \begin{bmatrix} 10$	78										4354
-79 -	i	5									
Abbreviations: USCS = Unified Soil Classification System, ft = feet, bgs = below ground surface, amsl = above mean sea level, NR = No Recovery N/A = Not Applicable, GW = groundwater, Notes: solid blue and hollow blue water table marks represent depth to water (ft. bgs.) first encountered during drilling and approximate static measured during development, respectively. Apparent partial recoveries can be the result of potential compaction of sediments in the core bag.	79										
80 Image: Sector Se											
Abbreviations: USCS = Unified Soil Classification System, ft = feet, bgs = below ground surface, amsl = above mean sea level, NR = No Recovery N/A = Not Applicable, GW = groundwater, Notes: solid blue and hollow blue water table marks represent depth to water (ft. bgs.) first encountered during drilling and approximate static measured during development, respectively. Apparent partial recoveries can be the result of potential compaction of sediments in the core bag.	80										
N/A = Not Applicable, GW = groundwater, Notes: solid blue and hollow blue water table marks represent depth to water (ft. bgs.) first encountered during drilling and approximate static measured during development, respectively. Apparent partial recoveries can be the result of potential compaction of sediments in the core bag.	Abbrev	viation	s: USCS = l	Jnified Soil C	lassificatio	n Syste	m, ft =	feet, bgs = below ground surface, a	msl = above mean s	sea level, NR = I	No Recovery,
during drilling and approximate static measured during development, respectively. Apparent partial recoveries can be the result of potential compaction of sediments in the core bag.	N/A =	Not Ap	oplicable, GV	V = groundw	ater, Notes	s: solid k	olue an	d hollow blue water table marks rep	resent depth to wat	er (ft. bgs.) first e	encountered
compaction of sediments in the core bag.	during	drilling	and approx	imate static i	measured o	during d	evelop	ment, respectively. Apparent partial	recoveries can be t	ne result of pote	ntial
	compa	action o	of sediments	in the core b	bag.						

9	AR	CAD	S		Bo	oring	I Log	She	et: 5 of	8
Date S	started:	03/31/2	2022	5	Surfac	e Eleva	tion: <u>504.57 ft amsl</u>	Boring No	ER-01	
Date C	Comple	ted: <u>04/20/2</u>	2022	1	Northir	ıg (NAI	083): <u>2101089.85</u>			
Drilling	Co.:	ABC L	IOVIN	E	Easting	(NAD	83): 7616510.53	Client: <u>PG&E</u>		
Drilling Method: <u>Sonic Drilling</u> T						epth:	143.1 ft bas	Project: Final G	V Remedv Ph	nase 2A
Drill Rig Type: Terra Sonic Truck Mount F					Boreho	ole Diar	neter: 10-12 inches	Location: PG&E 1	opock Need	les California
Driller	Name	Eddie I	Ramos		Depth	to First	Water: 80.5 ft bas			
Drilling	i Asst	.L Can	delaria / F. Pe	erez .	Samoli	na Met	hod: 7 inch x 10 ft Core Barrel	Project Number: 3	30126255	
	r.	Grant \	Willford	<u>, , , , , , , , , , , , , , , , , , , </u>	Sampli	na Inte	vel: Continuous		0120200	
Editor:		Sean M	AcGrane	(Conve	ted to '				
	~	<u></u>		``						
Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formatio	USCS Code	USCS Class	Soil Description		Drilling Notes	Drilling Fluid
01				Competent Bedrock - conglomerate	N/A		(80.5 ft) Rock fragments are moist.	¥		
01	5						(81-82.5 ft) Sedimentary Rock - Conglomerate	; reddish brown		
				Competent Bedrock -	N/A		(2.5YR 5/4); microcrystalline to coarse grained hard: massive: drv: NOTE: Solid rock core.	l, an <mark>gul</mark> ar; f <mark>res</mark> h;		
82_				conglomerate		$ \times \times \times \\ \times \times \times$				
							(82.5-97 ft) Sedimentary Rock - Conglomerate	; reddish brown		
83		ER-1-SS-67-					(2.5YR 5/4); microcrystalline to coarse grained	l, angular; hard; erved 1-3 inches in		
		87 4/5/2022					length, difficult to break; some friable rock frag	ments within the		
84		12:05				$ \times \times \times \\ \times \times \times$	mostly pulverized drilling process.	peared sample		
	5									
85										
86						$\left \begin{array}{c} \times \times \times \\ \times \times \end{array} \right $				
87										
88					X X X	$ \times \times$				
			No Groundwater Samples Collected			$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$				
89										
	5			Competent						
90				Bedrock - conglomerate	N/A	$\begin{array}{c} \times \times \times \\ \times \times \end{array}$				
				g						
91										
		ED 1 88 97								
92		97				$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \end{vmatrix}$				
		4/5/2022 12:58					(92-97 ft) Conglomerate becoming more comp size of the rock fragments 2-4 inches.	etent, increase in the		
93							5			
94						$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \end{vmatrix}$				
	5									
95										
_96						$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \end{vmatrix}$				
97										
]		\square	$\overline{7}$	(97-99.5 ft) No Recovery. NOTE: See drilling r	otes.	(97.0 - 102.0')	(97.0 - 102.0')
- ae						$ \setminus /$			drill cuttings	used
		No Sieve			NR	X			washed out of core barrel	
	2.5	Samples Collected				$ /\rangle$			during	
- 99 -						$ / \setminus$			extraction.	
					N/A	<u> </u>				
100 Abbrev	viation	s: USCS = I	Jnified Soil C	assification	Svstei	<u>10 0 0</u> m. ft = 1	eet, bas = below around surface and	= above mean sea	a level. NR = N	No Recovery
N/A =	Not Ar	plicable GV	V = groundw:	ater. Notes	solid k	olue an	hollow blue water table marks repres	sent depth to water	(ft. bas.) first e	encountered
durina	drilling	and approx	imate static n	neasured di	urina d	evelon	ment, respectively. Apparent partial rec	coveries can be the	result of pote	ntial
compa	action o	of sediments	in the core b	ag.			,			
				5						

9	AR	CADI	S		Bo	oring	J Log	S	heet: 6 of	8
Date S	Started:	03/31/2	2022		Surfac	e Eleva	tion: <u>504.57 ft amsl</u>	- Borina Na	o.: ER-01	
Date C)ate Completed: <u>04/20/2022</u>						D83): <u>2101089.85</u>	<u></u>		
Drilling	Drilling Co.: <u>ABC LIOVIN</u>						83): <u>7616510.53</u>	_ Client: <u>PG&E</u>		
Drilling	Drilling Method: Sonic Drilling						<u>143.1 ft bgs</u>	_ Project: <u>Final</u>	GW Remedy Pl	nase 2A
Drill Ri	Drill Rig Type: Terra Sonic Truck Mount Driller Neme: Eddie Demos						neter: <u>10-12 inches</u>	_ Location: <u>PG&E</u>	<u>Topock, Need</u>	les California
Driller	Driller Name: Eddie Ramos					to First	Water: 80.5 ft bgs			
Drilling	Asst:	<u>J. Can</u>	<u>delaria / F. Pe</u>	erez	Sampli	ng Met	hod: <u>7 inch x 10 ft. Core Barrel</u>	_ Project Number	: <u>30126255</u>	
	ogger: Grant Willford				Sampli	ng Inte	rval: <u>Continuous</u>	_		
		<u>Sean N</u>			Conve					
Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formation	USCS Code	USCS Class	Soil Description		Drilling Notes	Drilling Fluid
101	2.5					× × × × × × × × × × × × × × × × × ×	(99.5-143.1 ft) Sedimentary Rock - Conglome (2.5YR 5/4); microcrystalline to coarse graine massive; some competent rock fragments ob length; difficult to break; some friable rock frag- competent rock observed; rock fragments mo sample appeared mostly pulverized drilling pr	rate; reddish brown d, angular; hard; served, 1-3 inches in gments within the ist to dry; NOTE: Core ocess.		
102						× × × × × ×	· · · · · · · · · · · · · · · · · · ·		(102.0 -	(102.0 -
									122.0') Relatively	122.0') No drilling fluid
103									normal drilling,	used
									discrete	
104_						$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$			intervals.	
105	3.5									
106										
107										
108						× × × × × ×				
109			No Sieve Samples Collected		× × × × × ×					
	3.5			No						
110		No Sieve Samples		Bedrock -	N/A					
		Collected		conglomerat	e					
						$ \times \times \times \\ \times \times \times$				
112										
113						$\begin{vmatrix} x & x & x \\ x & x & x \\ x & x & y \end{vmatrix}$				
						$\begin{vmatrix} \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \end{vmatrix}$				
115	4									
						$ \begin{array}{c} \times \\ \times \\ \times \\ \end{array} \\ \end{array} \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \\ \\ \\$				
116										
						$\begin{vmatrix} x & x & x \\ x & x & x \\ x & x & y \end{vmatrix}$				
	5									
119						$ \begin{array}{c} \times \\ \times \\ \times \\ \end{array} \\ \end{array} \\ \\ \\ \\ \\ \end{array} \\ \\ \\ \\ \\$				
120	iotic				0	× × ×				
	Not Ar	nlicable CM		assilication	I SYSTE	$\pi = 1$	leei, bys = below ground surface, am d bollow blue water table marks room	si = above mean s	ea level, NK =	NO RECOVERY,
during	drilling	and approv	imate static n	neasured o	. soliu i Iurina d	evelon	ment respectively Apparent partial re	coveries can be the	ne result of note	ntial
compa	action of	of sediments	in the core b	ag.		2.0.00				

9	AR	CADI	S		Bo	oring	g Log	J			She	eet: 7 of	8
Date S	Started:	03/31/2	2022		Surfac	e Eleva	ition:	504.57 ft amsl		Borin	q No.	: ER-01	
Date C	Date Completed: 04/20/2022					ig (NAI	D83):	2101089.85					
Drilling	Drilling Co.: <u>ABC LIOVIN</u>					j (NAD	83):	7616510.53		Client:	PG&E		
Drilling	Drilling Method: <u>Sonic Drilling</u>					epth:		<u>143.1 ft bgs</u>		Project:	Final G	W Remedy Pl	nase 2A
Drill Ri	Drill Rig Type: Terra Sonic Truck Mount Driller Nemo: Eddia Remos					le Diar	neter:	10-12 inches		Location:	<u>PG&E</u>	Topock, Need	lles California
Driller	Driller Name: Eddie Ramos					to First	Water:	80.5 ft bgs					
Drilling	Drilling Asst: J. Candelaria / F. Perez					ng Met	hod:	7 inch x 10 ft. Core E	Barrel	Project N	umber:	30126255	
Logge	Logger: Grant Willford					ng Inte	rval:	Continuous					
Editor:		<u>Sean N</u>	McGrane		Conve	ted to	Well:	🗵 Yes 🔝 No					
Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formation	USCS Code	USCS Class		Soil Desc	cription			Drilling Notes	Drilling Fluid
	5					× × × × × × × × × × × × × × × × × ×	(99.5-14 (2.5YR massive length; c compete	3.1 ft) Sedimentary Rock - 5/4); microcrystalline to coa ; some competent rock frag ifficult to break; some friablent rock observed; rock frag	Conglomera arse grained, gments obse ble rock fragn gments mois	te; reddish b angular; har rved, 1-3 inc nents within t to dry; NOT	rown d; hes in he E: Core		
122						$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$	sample	appeared mostly pulverized	d drilling prod	ess.			
123_						× × × × × × × × × × × × × × ×						(122.0 - 127.0') Very rough drilling	(122.0 - 127.0') No drilling fluid used
	5					$ \times \times \times \\ \times \times \times$							
125													
						$\begin{vmatrix} \hat{x} & \hat{x} & \hat{x} \\ x & x & x \end{vmatrix}$							
						$\left \begin{array}{c} \times \times \times \\ \times \times \end{array} \right $							
						× × × × × × × × × × × ×						(127.0 -	(127.0 -
128												137.0') Normal	137.0') No drilling fluid
						$ \times \times \times \\ \times \times \times $						drilling; rough	used
129												discrete intervals.	
	5												
130	5	No Sieve Samples Collected	No Groundwater Samples Collected	Competent Bedrock - conglomerat	t te	× × × × × × × × × × × × × × × × × × ×							
131						$\hat{\mathbf{x}} \times \hat{\mathbf{x}}$							
132_													
						$\begin{vmatrix} \hat{x} & \hat{x} & \hat{x} \\ x & x & x \end{vmatrix}$							
133						$ \times \times \times \\ \times $							
	5					$ \begin{array}{c} \times \\ \times \\ \times \\ \times \\ \times \end{array} \\ \times \end{array} $							
						$ \times \times \times \\ \times \times \times \\ \times \times \times $							
136													
						$ \begin{array}{c} \times \\ \times \\ \times \\ \end{array} \\ \times \\ \end{array} \\ \times \\ \times \\ \times \\ \end{array} \\ \times \\ \times$						(137.0 -	(137.0 -
												143.0')	143.0')
138						$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$						drilling	used
	6												
139_						$\begin{vmatrix} \hat{x} & \hat{x} & \hat{x} \\ x & x & x \end{vmatrix}$							
[$\begin{vmatrix} x & x & x \\ x & x & x \end{vmatrix}$							
140 Abbrev	viations	- 1909 - 1	Inified Soil C	lassification	Sveter	$rac{1 \times \times \times}{1 \times 10^{-1}}$	feet ha	s = below around surf	face amo	= ahove r	nean so	alevel NP - I	
N/A =	Not An	nlicable GM	V = aroundwar	ater Notes	solid k	ii, it – I	d hollow	/ blue water table mar	rks renree	ent denth f	o water	(ft has) firet	encountered
during	drilling	and approx	imate static n	neasured o	lurina d	evelon	ment re	spectively. Apparent r	partial rec	overies ca	n be the	result of note	ential
compa	action c	f sediments	in the core h	ad.		2.0.00							
- <u> </u>				-·ə·									

9	AR	CADI	S		Bo	oring	J Log		She	eet: 8 of	8
Date S	started:	<u>03/31/2</u>	2022		Surface	e Elevat	tion: <u>504.57 ft amsl</u>	Borin	a No.	: FR-01	
Date C	Comple	ted: <u>04/20/2</u>	2022	11	Northin	ig (NAE	D83): <u>2101089.85</u>	Bonn	ig no.	. <u>Ertor</u>	
Drilling	Co.:	<u>ABC L</u>	IOVIN	E	Easting) (NAD8	83): <u>7616510.53</u>	Client:	PG&E		
Drilling	Metho	d: <u>Sonic I</u>	Drilling		Total D	epth:	<u>143.1 ft bgs</u>	Project:	Final G	W Remedy Ph	nase 2A
Drill Ri	д Туре	: <u>Terra S</u>	Sonic Truck N	<u>Iount</u> E	Boreho	le Diam	neter: <u>10-12 inches</u>	Location:	<u>PG&E</u> -	Topock, Need	les California
Driller	Name:	<u>Eddie l</u>	Ramos	[Depth t	to First	Water: <u>80.5 ft bgs</u>				
Drilling	Asst:	<u>J. Can</u>	delaria / F. Pe	erez S	Sampli	ng Metł	hod: <u>7 inch x 10 ft. Core Barrel</u>	Project N	umber:	30126255	
Logge	r:	Grant \	Nillford	:	Sampli	ng Inter	rval: <u>Continuous</u>				
Editor:		<u>Sean N</u>	/IcGrane	(Conver	ted to V	Well: 🛛 Yes 🗌 No				
Depth (ft)	Recovery (ft)	Sieve Sample ID	Groundwater Sample ID	Geologic Formation	USCS Code	USCS Class	Soil Description			Drilling Notes	Drilling Fluid
141 141 142 142 142	6	No Sieve Samples Collected	No Groundwater Samples Collected	Competent Bedrock - conglomerate	N/A	× × × × × × × × × × × × × × × × × × ×	(99.5-143.1 ft) Sedimentary Rock - Conglomera (2.5YR 5/4); microcrystalline to coarse grained massive; some competent rock fragments obse length; difficult to break; some friable rock frag competent rock observed; rock fragments mois sample appeared mostly pulverized drilling pro	ate; reddish b l, angular; har erved, 1-3 inc ments within st to dry; NOT ocess,	rown d; hes in the E: Core		
]	1		End of Boring at 143.1 ft bgs.				
5 5 5											
146											
149						9					
150_											
			•								
153											
154_											
159											
≝– – 3_ <u>160</u>											
Abbre	viations	: USCS = l	Jnified Soil Cl	assification	Syster	n, ft = f	eet, bgs = below ground surface, ams	sl = above r	mean se	a level, NR = I	No Recovery,
N/A =	Not Ap	plicable, GV	/ = groundwa	ater, Notes:	solid b	lue and	d hollow blue water table marks repres	ent depth	to water	(ft. bgs.) first e	encountered
during	drilling	and approx	imate static n	neasured du	uring d	evelopr	ment, respectively. Apparent partial rec	coveries ca	n be the	result of pote	ntial
compa	action c	f sediments	in the core ba	ag.							