ATTACHMENT 4: FIELD LOGS

This attachment contains the groundwater sample collection field logs for the relatively shallow standpipe monitoring wells (MW-1, MW-5 through MW-10, MW-13, MW-15, and MW-16), as well as the field data sheets for the Westbay™ multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26). Groundwater sample collection for the second quarter 2021 sampling event was conducted by Blaine Tech Services, Inc.

Note: During the second quarter 2021 the relatively shallow standpipe wells MW-5, MW-6, MW-7, MW-8, MW-10, MW-13, and MW-16 and the uppermost sampling ports (i.e., Screen 1) in the multi-port monitoring wells MW-4, MW-12, MW-14, MW-17, MW-18, MW-20, MW-21, MW-23, and MW-26 were dry and no samples were collected.

D		4000				7.2	
Project #:	21051	7-412/		Site:	JPL		
Sampler:	t H			Date: (\$ /26/2	ĺ	
Well I.D.:				Well D	iameter: 2	3 (4) 6	8
Total Well	Depth (TI)): <i>90.0</i> 0		Depth t	o Water (DT	W): 25, 4	5
Depth to F		t:		Thickne	ess of Free P	roduct (feet):	
Referenced		evc Gra		Flow C	ell Type		YSI 556
DTW with	80% Rech	arge [(Height	of Water Co	lumn x 0	.20) + DTW	1: 38,3C	
Purge Method:	B D Po	ailer isposable Bailer ositive Air Displace ectric Submersible	2"]	Waterra Rediflo pump raction Pump Ded RE	a o o 2	Sampling Method	Disposable Bailer Extraction Port Dedicated Pubing r:
40	Ċ-J->V	<u>ੁ</u> ੨	101		1" 0.04 2" 0.16	4"	o.65
1 Case Volume	Gals.) X Special	$\frac{1}{\text{fied Volumes}} = \frac{1}{\text{Ca}}$	Gals alculated Volume	3.	3" 0.37		radius ² * 0.163
Time	Temp (°F or °C)	Cond. (mS/cm o	Turbidity (NTUs)	D.O. (mg/	L) ORP(mV)	Gals. Removed	DTW Observations
1131	18.3 7	17 593	3 4	0.71	146,0	22	28,39
1192	19,37,	18 593	3 5	0.68	1	44	29.05
1153	18.7 7	9 589	1 4	0.65	102.3	60	29,35
1204	18.47	7 590	3	0.64	93.6	88	29,39
1215	18.57	17 590	3	0.61	91,4	110	29,40
1223	18.57	17 589	2	0,60	90.3	126	29,40
Did well dev	vater?	Yes	No	Gallons a	ctually evac	uated: 12	6
Sampling Da	ite: کے کے	1.6/21	Sampling 7	Time: /	225	Depth to Wate	r: 29,40)
Sample I.D.:	mw-	-1	I	Laborato	ry: BC		VI VI / O
Analyzed for	:					Other) See (200
EB I.D. (if ap	pplicable):		@ Time I	Duplicate	I.D. (if appl		
B I.D. (if ap	plicable):		(a)	Analyzed			
O.O. (if req'd):	Pre-purge):	mg/L	Post-	purge:	mg/ _L
R.P. (if req	'd):	Pre-purge	»:	mV		purge:	mV

Probe to Top Collar

Comments:

SB-1-052121

	WELL ID: SAMPLING LOCATION: WATER LEV ATM. PRESS	/EL INSIDE C	512 58L ASING: 1	1/21/5 9(04/0 02 (Finish)		24/21		- - - -		PROBE TYPE SERIAL NO. PROJECT: OPERATOR(S) WEATHER	TPL	1567 Nerscr	n					- - - -
	Function Te top of collar							ction Checks port in MP casing)			F	ield Parame	ters				Sample
Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psl)	Close Valve/ Shoe In/ Arm in	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out		Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure In MP Casing (psl)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
		1	V	42.96	_	44,03	レ	44.04	1	42.98	19.2	547	7.17	10	7.42	1110	1315	40-3-2
		1	<u>i/</u>	143.89	L	144.04	1	44.05		42.91		 				_		
				142.85	\vdash	144.03	<u>ا</u>	144.06	V	42.86		-	_			_		
	1	-	1/	175 118	-	11. 07	1	V OC	<u> </u>	/\	11.	21A	7.0/		/ 56	186	111110	40.1.0
\	Y		1/	19 17	<u>سا</u>	16.01	V	16.09	V	14.16	MI'O	550	7,30	5	6078	102	11440	MU -3-1
\sim		<u> </u>		7(1)		16.06	1	16.08	V	17/16			_	_		_		
\overrightarrow{U}				216.96	1,	216.35		016 57		216.97	205	581	7.80	<u>~</u> 155	6.98	122	1345	1112
				010.10	1	216.0-		014.52	0	X10: 17	ADO	201	7.00	100	0.40	122	1393	MW-3-5
1/	1/	1/	1/	175,08		175.79		175.77		175.98	24.8	533	8.27	42	7.01	133	1415	111, 7-4
		/				.,,,,,				1/00	1, 10 U		0.27	1-	1001	100	110	710-5-7
1/		أسمأنه	سسا	93.36	V	Q4.05	V	84.01		83.39	20.0	335	9.39	10	7014	159	1445	1111-2-3
V	じ	V	1	82,87	V	84.07	4	84.08		32.49		_	<u> </u>				isod	DUP-3-2021
																	1-00	
																		- 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

EB-S-052421

WELLID: MU-4	PROBETYPE Westbay
SAMPLING DATE(S) S/19/21	SERIAL NO. EMS 2502
LOCATION: TPL	PROJECT: JPC ,
WATER LEVEL INSIDE CASING: 165-18	OPERATOR(S) L. Henderson
ATM. PRESSURE (PSI): (Start) 19,07 (Finish) 14.00	WEATHER Claudy

	` - #	Probe to Top Collar			sts / Position / (lower prot		Sample Collection Checks (probe at sampling port in MP casing) Field Parameters										Sample				
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psl)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psl)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5	ì	·/	_ (V	ン	<u>ا</u>	169.01	V	166.62	7	166.59	V	169,01	4.7	596	6.00	9	Sil	178	0900	MW-4-5
4	1	/	س	V	~		116,55	V	114.17	1	114.19	V	11628	15.9	591	6.74	4	6.08	155	1000	40-4-4
<u>ښ</u>	1	1	レ	V	1/		85,55 85,53	ンソ	83.85 83.84	7	93.64 93.64	レレン	85.50	16.1	413	7.22	6	5.32	133	1030	MU-4-3
2,	1	V				~	110 - 1	V	78.87	V	48.75	<u>/</u>	49.64	16.4	785	7:15	q	7.6/	67	1130	MU-4-2
22	3	7	1/			V	49.58	7	<u>48.86</u> 48.87	/	48.81	V V	49.63 49.56	-	_	_		-	- ,	-	. •
	1	V	·V		\		14.18	1	14.13	1	14.13	V	14.17	-PC	DRT	Is	DK	Y-	NO 5	AMP	16-
							100														
											,										A44+4

								 <u> </u>		_
Comments:	TR-2-	05192	1 @ 090	00						

	M61-4	-3 ->	MS/MCD					 		

				. 1.1011110	idito.	DAIA	SILL	7 I			
Project #:	2105	17-1	48/		Site:	20	レ		<u> </u>		
Sampler:	HH				Date:	05/2	0/2	21			
Well I.D.:	MW	-5			Well I	Diameter	-t	3	(4)	6	8
Total Well	Depth	(TD):	135,55)	Depth	to Wate	r (DT	W):	124.8	70	
Depth to F		duct:				ness of F			t (feet)	Х <u>О</u> :	-
Referenced	· · · · · · · · · · · · · · · · · · ·	PVC	Grad	-	Flow (Cell Typ	е		(1000)		YSI 556
DTW with	80% R	echarg	e [(Height o	f Water Co	lumn x (0.20) +]	DTW]:			
Purge Method:		Positiv	able Bailer e Air Displaceme c Submersible		Water Rediflo pun raction Pun	np np		San	npling Met	1	Bailer Disposable Bailer Extraction Port Dedicated Tubing
						Well Diamete	er <u>Mul</u> 0.04	tiplier	Well Dian	neter	Multiplier 0.65
1 Case Volume	Gals.) X		=	Gals	s.	2" 3"	0.16 0.37	;	6" Other		1.47 radius ² * 0.163
1 Case volume	S	pecified V	Volumes Calo	culated Volume							0.103
Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg	\ .	(mV)	Gals	. Remov	ed	Observations
		1300	orgen.	nuer	10 1	10/50	<u> </u>	V Sc	ami	2	
		N	O SAM	100 1	a-0) h				_	
				ple k	<u> </u>				·	-	
					· · · · · · · · · · · · · · · · · · ·					+	
										_	
									·	-	
Did well dev	vater?		Yes	No (Gallons	actually	evac	uated	i <u>:</u>	_1_	
Sampling Da	ite:			Sampling 7					1 to Wa	ter:	
sample I.D.:				I	Laborato	ory:					
analyzed for	••							Other:	······		
B I.D. (if a _l	pplicabl	e):		Time I	Duplicat	e I.D. (i			e):		
B I.D. (if ap	plicabl	e): _/		(a)	Analyze	***	1.17		<i>)</i> -	 -	
O.O. (if req'd	l):	_	Pre-purge:		mg/ _L		Post-	purge		Τ	mg/ _{I.}
R.P. (if req	[ˈd):		Pre-purge:		mV		·	purge:		1	mV

D •			1					/ 1			
Project #:	2100	517-	HS/		Site:	JPL					
Sampler:	<u>HH</u>				Date:	05/2	6/	21			
Well I.D.:	MW	<u>-6</u>			Well I	Diameter	: 2	3	4	6	8
Total Well	Depth	(TD):	<u> 23819</u>		Depth	to Water	· (DT	W):	DR'	Ϋ	
Depth to F		luct:			Thickn	ess of F	ree P	rodu	ct (feet	_ ' t):	
Referenced	· · · · · · · · · · · · · · · · · · ·	PVC	Grade		Flow C	Cell Type	;			<u> </u>	YSI 556
DTW with	80% R	echarge	e [(Height o	f Water Co	lumn x (0.20) + E	TW	:			
Purge Method:		Bailer Dispos Positiv	able Bailer e Air Displaceme e Submersible	2"	Water Rediflo purr traction Purc	ra np —		San		Other:	Disposable Bailer Extraction Port Dedicated Tubing
						Well Diameter 1" 2"	0.04		Well Dia	ameter	0.65
1 Case Volume	Gals.) X _ S ₁	pecified V	/olumes Calo	Gal culated Volume	s.	3"	0.16 0.37		6" Other		1.47 radius ² * 0.163
Time	Temp (°F or °C)	pH Ve	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg	/L) ORP((mV)	Gals	. Remo	ved	Observations
Did well dev	vater?	J.	Yes	No l	Gallons	l actually	evac	natec	·		
Sampling Da		······································		Sampling		actually			h to W	letor	
ample I.D.:				······································	Laborato)rv:			11 10 4	aici	•
analyzed for	•					-5		Other:			
B I.D. (if ap	plicabl	e):		Time]	Dunlicat	e I.D. (if					
B I.D. (if ap		`		(a)	Analyze		արիլ	.10a01		······································	
0.0. (if req'd			Pre-purge:		mg/L		Post-	purge	•	T	mg/L
R.P. (if req	ı'd):	****	Pre-purge:		mV			purge		\dashv	

					T				
Project #:	2/05	17-	H5/		Site:	7	PL		
Sampler:	<u>HH</u>				Date:	05	5/26	121	
Well I.D.:					Well I	Dian	neter: 2	3 (4) 6	8
Total Well	Depth ((TD): ¿	268.08	Î	Depth	to V	Water (DT	W): DRY)
Depth to F	ree Proc	luct:			Thickn	iess	of Free P	roduct (feet):	
Referenced	l to:	E VC	Grade	2	Flow C				YSI 556
DTW with	80% Re	charge	(Height o	f Water Co	lumn x (0.20)) + DTW	:	
Purge Method:		Positive	able Bailer e Air Displaceme Submersible		Water Rediflo pun traction Pun	ър ър —	Diameter	Sampling Metho Othe	Disposable Bailer Extraction Port Dedicated Tubing
							" 0.04		0.65
1 Case Volume	Gals.) X _ Sı	pecified V	/olumes Calc	Gal culated Volume	s.	3			1.47 radius² * 0.163
Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg	a)	ORP(mV)	Gals. Removed	Observations
-						\dashv			
Did well dev	water?		Yes	No	Gallons	act	ually evac	uated:	
Sampling Da	ate:	****	The Contract of Co	Sampling	****			Depth to Wate	er:
Sample I.D.:					Laborato	ory:			
Analyzed for								Other:	
EB I.D. (if a	pplicabl	e):		@ Time	Duplicat	te I.	D. (if app		
B I.D. (if ap	plicabl	e):		(1)	Analyze				
O.O. (if req'o	l): /		Pre-purge:		mg/ _L		Post-	purge:	mg/ _L
O.R.P. (if red	l'd):		Pre-purge:		mV			purge:	mV

Project #:	210	<u> 5/7-</u>	H2/		Site:	JP					
Sampler:	HH				Date:	05/	26	,/2	/		
Well I.D.:	mu	<u> </u>			Well I	Diameter	: 2	3	4	6	8
Total Well	Depth	(TD):	202,10	<u> </u>	Depth	to Wate	r (DT	W):	DRY	7	
Depth to F		luct:			Thickn	ness of F	ree P	roduc	t (feet	<u>'</u>):	
Referenced	l to:	PVC	Grade	9		Cell Type					YSI 556
DTW with	80% Re	echarge	e [(Height o	f Water Co	lumn x (0.20) + I	DTW]	:		-	
Purge Method:		Bailer Disposi Positive	able Bailer e Air Displaceme Submersible	2"]	Water Rediflo pun raetion Pun	ra 1p			ipling Me	thod:	Disposable Bailer Extraction Port Dedicated Tubing
						Well Diamete		iplier	Well Dia		Multiplier
((Gals.) X		=	Gals	s	2" 3"	0.04 0.16 0.37		4" 6" Other		0.65 1.47 radius ² * 0.163
1 Case Volume	S _l	pecified \	olumes Calc	culated Volume					Other		1adiuş* + 0.163
Time	Temp (°F or °C)	pΗ	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg	/L) ORP	(mV)	Gals	. Remov	/ed	Observations
					<i>\</i>						
			No	am le	Tal	cen					
-			· · · · · · · · · · · · · · · · · · ·							\dashv	
Did well dev	vater?	L.,	Yes	No	Gallons	actually	evac	uated	l:	!_	
Sampling Da	ite:			Sampling	Time:	****		Deptl	n to W	ater	
Sample I.D.:					Laborato	ory:					
Analyzed for	•							Other:			
EB I.D. (if ap	plicabl	e):		@ Time	Duplicat	e I.D. (i	f appl	icabl	e):		
B I.D. (if ap	plicabl	e):		0	Analyze		11				
O.O. (if req'd	l):		Pre-purge:		mg/L		Post-	purge		T	mg/ _L
).R.P. (if req	r'd):		Pre-purge:	!	mV			nuroe		+	

.1.					
Project #: 210517-451	Sit	e: <u> </u>	SPL		·
Sampler: ##	Da	te: 🕜	3/261	121	
Well I.D.: MW -9	We	ll Dia	meter: 2	3 (4) 6	8
Total Well Depth (TD): 60.00	Dej	oth to	Water (DT	W): 19,6/	
Depth to Free Product:	Thi	ckness	s of Free Pr	roduct (feet):	
Referenced to: PVC Grade			Туре		YSI 556
DTW with 80% Recharge [(Height of Wat				1: 27 60	,
Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible		Vaterra pump Pump C Z	I Diameter Mult	Sampling Method Other	Disposable Bailer Extraction Port Dedicated Fubing
$\frac{26.3}{1 \text{ Case Volume}} \text{ (Gals.) X } \frac{3}{\text{Specified Volumes}} = \frac{78.9}{\text{Calculated Volumes}}$	Gals.		2" 0.16 3" 0.37	6" Other	1.47 radius ² * 0.163
Temp Cond.					
(°F or (mS/cm or Tur	bidity TUs) D.O.	(mg/L)	ORP(mV)	Gals. Removed	DTW Observations
1317 19,9665 560 X	13 61	06	200,8	14	23,84
1324 26,3667 559	7 5.	<u> 13</u>	121,2	28	24,41
1301 20.4 6.65 556	4 5.	80	112.1	42	24.50
1338 20.2 6.64 539 8	5,	83_	110.9	56	24,53
1395 20,36,64 534 6	$\frac{2}{5}$	80	111.7	70	24,53
15>0 20,46,64 533	$\sqrt{5}$	75	109.8	80	24.53
·					
Did well dewater? Yes No	Gallo	ons act	tually evac	uated: S (
Sampling Date: $\sqrt{26/2/}$ Sampling Date:	pling Time	: 17	355	Depth to Wate	r: 24,53
Sample I.D.: MW-9	Labo	ratory	: BC		
Analyzed for:			, ,	ther) See (2.0.0
EB I.D. (if applicable):	ime Dupl	icate I	.D. (if appl		
B I.D. (if applicable):	···	yzed fo			3
O.O. (if req'd): Pre-purge:		mg/L	Post-	purge;	mg/ ₁
O.R.P. (if req'd): Pre-purge:		nV		purge:	mV

1										
Project #:	210	517	-HS/		Site:	21				
Sampler:	<u> </u>				Date:	V	05/2	6/	21	
Well I.D.:	MW	<u>-10</u>			Well D	z)iam	neter: 2	3	(4) 6	8
Total Well	Depth ((TD):	153,33		Depth	to V	Vater (DT	W):	DRY)
Depth to F		luct:			Thickn	iess	of Free Pr	roduc	t (feet):	
Referenced	to:	(PVC	Grade	;	Flow C					YSI 556
DTW with	80% Re	charge	e [(Height of	f Water Co	lumn x (0.20) + DTW]]:		
Purge Method:		Bailer Disposa Positive	able Bailer e Air Displaceme r e Submersible	2"]	Water Rediflo pum traction Pum	rra np np Well I	Diameter Mult	Sam	Other	Disposable Bailer Extraction Port Dedicated Tubing r:
1 Case Volume	Gals.) X Sp	pecified V	/olumes Calc	Gal: culated Volume	S. ;	2" 3"			6" Other	1.47 radius ² * 0.163
Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg	g/L)	ORP(mV)	Gals.	. Removed	Observations
			<u>Vell</u>	1's D	rx	4				
	-		Va Sa	m/e	Tal	100	n -			
				1	, ,	Ť				
_						1				
						\top				
Did well dev	vater?	L	Yes	No	Gallons	acti	ıally evac	uated	l:	
Sampling Da	ate:			Sampling					h to Wate	er:
Sample I.D.:					Laborato	ory:				
Analyzed for	r:							Other:		
EB I.D. (if a	pplicabl	e):		@ Time	Duplicat	te I.	D. (if appl	licabl	e):	
B I.D. (if ap	pplicabl	e):		(A)	Analyze					
0.0. (if reg'c	1):		Pre-purge:		mg/ _L		Post-	-purge:	:	mg/ _L
O.R.P. (if rec	 ղ'd)։		Pre-purge:		mV	<u> </u>	· · · · · · · · · · · · · · · · · · ·	purge:		mV

		WELL ID: MW - 1																		
			SAMPLING		6/1/	1/		····		_		SERIAL NO.	ZM2	thap	25 <i>01</i>					_
,			LOCATION:							-			PL	·						-
1			MATER LEV		1.4	(Finish)	10	1.01		-		OPERATOR(S)	LEHRIN	<u>Jecson</u>						_
			Tem	7	32.9		-	3.460	7	-		WEATHER (scori	20011		····				-
	Probe to	Surface	Function Te			ν	-1		ال	tion Checks			1						T	
	Top Collar		top of collar							port in MP casing)	i				Field Parame		Sample			
Port Number Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	pt	Port Pressure (psi)	/alve	Port Pressure (psl)	/alve/	Pressure in MP Casing (psi)	Sample Temp	sc		Turbidity	Dissolved Oxygen	ORP	Sample Time	Sample ID
Port I	Arm	Shoe Close Check	Open Apply (5 psi)	Close Shoe	Locate Arm O Land I	Pressi	Shoe Out	Port P	Open Valve	out Pr	Close Valve/ Shoe In	ressu	(°C)	(µS/cm)	рН	(ИТИ)	(ppm)	(mv)	111110	
41	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V		i	V	153.21	L	144,43	V	149.38	V	153.23	21.2	323	7.80	3	5,18	-158	0945	MW-11-4
				/	ļ .	0000														
}	1 4	W	14	<u>'\</u>		10235 1006 30	V	175.20	سا	175.07	V	202.40	21.2	333	9.00	14	5.23	28	1020	MW-11-5
5 2	├	11	1/		10	200.33		175.09	Ч	175.08	V	200.09	_	-				_	-	
31	 					110	Ц	,		/										
	1-1-			· i/_	V	112,72	1	107.59	V	107.51	V	1 1 1 1 1 1	26.2	286	3.68	5	5.77	-93	1120	MU-11-3
32	$\vdash V$		V		V	112,55	M	101.72	4	107.54	V	112.56					_	1	1195	DUP-7-2021
2/1	 					, <u> </u>	Н	1014 C A		10 00		4 60 3-7	•	-		*****				
41	1					30.60	M	39.80	1	39.80	V	38.03	16.	483	B.S8	2	4.83	· 102	1830	MU-11-Z
$\overline{+}$		- /	1			110 10		100.0	_/	20 0		/ 1		_	0.00				1.4	
+++				Y		14.10	1	23.18	VĮ.	23,18	4	14,12	<u> 50./</u>	599	3.48	4	4.51	101	1415	MD-11-1
115		-V			V	14.09	4	23.18	4	23.17	4	14.13								MW-11-1
							H		_											
-+-							\mathbb{H}		\dashv											
									+											
_									4						9					
	L	<u> </u>	-10	dr	ΔιΩ			X O f												
Comments:		110	<u> </u>	-06	0121	0	ار	300_				*****								***************************************
		EB.	-10	-06	012	10	1	315									****			

				WELL ID:	MU-	12					_		PROBE TYPE	Urs	thuy						_
				SAMPLING I		5/2/	1/21				_		SERIAL NO.	EM'S PEL	5 /25	02					
				LOCATION:	SPC EL INSIDE CA	ASING:					_		PROJECT: OPERATOR(S)		inderso	·^			· · · · · · · · · · · · · · · · · · ·		_
				ATM. PRESS	~~~~		∭ (Finish)	14.	. []		_			20/14		<u> </u>					-
				Tem		20.9	0	17	65		-			7	<i>y</i>						_
-		Probe to Top Collar		Function Tes top of collar	ts / Position				Sample		ction Checks port in MP casing)			F	Field Parame	ters				Sample
Port Number	Run Number	Arm out / Land Probe	Shoe Out Close Valve/ Check Vacuum	Open Valvel Apply Vacuum (5 psl)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (ps!)	Shoe Out	Port Pressure (psi)	Open Vatve	Nort Pressure (psl)	Close Valve/	Pressure in MP Casing (psl)	Sample Temp (^O C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5	١	1	//	/	7	7	194.32	2	151.55	レ	151.52	V	194.33	9.2	497	8.45	2	7.07	140	1110	411-12-5
1.0							1/11	_	() () ()	L	4 . 4		40716								10
4	1			/	<u>ر</u>		146.06	1	12167	1	121.57	1	146,06	18.7	502	8.38		6.59	152	1140	MU-12-4
4						ر ا	173.76	1	121.63	12	121,59	1	193.99			_					
3	7	<u>\(\)</u>	/	~	ン		96.62	V	76:12	L	176-12	レ	96.55	19.7	517	8,63	Z	6.33	174	1300	140-12-3
-	i							,	1110 46	ļ.	100 00		///-	/0 0		0 5		2 10			
Z	(U				61.64	4	192,48	0	42.48	V	61.67	<u>19,0</u>	611	8.17	6	6.12	131	1330	190-12-2
1	1	<u></u>		1		ノ	14.21	u	14.22	~	14.18	1	14.18	<u>-</u> P	ORT	79	- DA	24 -	NO (CAMI	215
											1.1.10			1		#	$-\omega$	~	, VV	24/7/1	
							<u> </u>														1997 - 1997 - 1885 M. 1886 M. 1886 M. 1886 - 1886 - 1886 - 1886 M. 188
				-				Н													
										\dashv											
	ments:	I	F	2 - 9	- 0	527	21 0		345					l							71 - 71 - 72 - 73 - 73 - 73 - 73 - 73 - 73 - 73
COM	ments:			<u> </u>		· ·	<u>~ · · · · · · · · · · · · · · · · · · ·</u>		<u></u>			_									
	-																	*****		APPAL	
	-		· · · · · · · · · · · · · · · · · · ·	·	E	Blaine	Tech Se	rvi	ices, Inc	. 1	680 Rog	ers	Ave., Sa	n Jose	e, CA 9	5112 (800) 5	45-7558	B		The street of th

Site: JPL
Date: 05/26/2/
Well Diameter: 2 3 4 6 8
Depth to Water (DTW): DRY
Thickness of Free Product (feet):
Flow Cell Type YSI 556
olumn x 0.20) + DTW]:
Waterra Sampling Method: Bailer 'Rediflo pump straction Pump Extraction Port Dedicated Tubing Other:
Well Diameter Multiplier Well Diameter Multiplier 1" 0.04 4" 0.65
2" 0.16 6" 1.47 als. 0.37 Other radius ² * 0.163
e industrial
D.O. (mg/L) ORP(mV) Gals. Removed Observations
* / -
e laten
Callera actually and de
Gallons actually evacuated: Time: Depth to Water:
Depth to Water: Laboratory:
Other:
Duplicate I.D. (if applicable): Analyzed for:
mg/ _L Post-purge:
mV Post-purge: m'
an-

				WELL ID:	MU-						_		PROBE TYPE	Wes	lbay						
				SAMPLING I		5/20	121				-		SERIAL NO.	EM	5/2	507					- -
	v			LOCATION:	JP		96.33							JPC	dass				***		_
				WATER LEV				ì2	5.97		-		OPERATOR(S) WEATHER	cloud	<u>ndeisc</u>	n				*****	_
				TVIIII TVIE		10.65			.57		-		WEATHER	CIDUZ	'y						-
		Probe to		Function Tes	sts / Position	Sampler			Sample C		tion Checks			T		ield Parame				T	-
		Top Collar	(probe in	top of coliar)	/ (lower prob	e to port)		Т		ling	port in MP casing)	т—	1		T	leid Fatatile	iers	1			Sample
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve <i>l</i> Apply Vacuum <u>(</u> 5 psl)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psl)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psl)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5	1	(1	V		V	1108.14	V	146.80	U		V	168.16	18.6	371	7.02	3	(0.1(127	0830	40-14-5
				,					<u> </u>		/			, ,				W i	/		314
9	1	V	/	1/	V	V	132.03	1	110.68	V	110.66	V	132,04	18.0	669	7.41	1	6.39	119	0915	MW-14-4
						٧															
3	1		<u> </u>	V		<u>\</u>	99.78	1	78.61	И	78.59	1	99.79	17.8	1115	7.53	3	5.66	127	1000	MU14-3
3	2				/		99,29	4	78.61	4	18.59	V	99.29	/		_		, (_	
					-/	·				_				6		-					
2	-1		<u> </u>	~	/	1	53.93	4	33.14	4	33,13	3/	53.99	18.5	1217	7.82	て	4.82	130	1100	MU-14-2
	,,						10 01			4	ZII		0 0		- 0 4						
\sqcup						·/	19.84	M	14.11	4	14,10	1	-19.85	~ P	ORT	\mathcal{I}	5 7	DRY	-100	SA	MPLE
_							***************************************	\sqcup		-			770								
	\dashv									-				-							
							***************************************	H		+											
\dashv								H		-											
\dashv							Thirt are a second	Н		\dashv											
\dashv	\dashv							${\mathbb H}$		\dashv											
Comm	nents:		B-3	3 - 0	520	21	6 020	00					I			1				1	
			MU-	-14 -	3 /1	ns/m	5D									·					

Disposable Bailer Positive Air Displacement Electric Submersible Positive Air Displacement Electric Submersible Positive Air Displacement Electric Submersible Positive Air Displacement Electric Submersible Positive Air Displacement Extraction Pump Extraction Pump Cother Positive Air Displacement Positive Air Displacement Extraction Pump Cother Positive Air Displacement Positive Air Displacement															
Project #:	210	5/7	-H9		Site:	JPL									
Sampler:	HH				Date:	5/26/2	2/								
Well I.D.:	MW-	15			Well Dia	ameter: 2	3 (4) 6	8							
Total Well	Depth	(TĎ): <u>/</u>	ded pol	m 60.00	Depth to	Water (DT	W): 3123	3							
		luct:	· V·		Thicknes	ss of Free P	roduct (feet):								
Referenced	i to:	PVC) Grade	;				YSI 556							
DTW with	80% Re	echarge	e [(Height o	f Water Co			1: 36.98								
Purge Method:		Bailer Disposa Positive	able Bailer e Air Displaceme	2" int Ext	Waterra Rediflo pump	-	Sampling Method	Disposable Bailer Extraction Port Dedicated Tubing							
sonta	3093	0			w		tiplier Well Diamete								
18, Solume															
	Case Volume Specified Volumes Calculated Volume 3" 0.37 Other radius ² * 0.163 Temp Cond.														
	Temp Cond.														
Time	(°C)	pН		, -	D.O. (mg/L	ORP(mV)	Gals. Removed	Observations							
0940	17,4	4181	622	7	5,34	90.1	10	31.45							
0950	17.6	6183	621	2	5,22	92,6	20	31,47							
1000	1716	6183	615	2	5,20	90.4	30	31.48							
<u> </u>	17,6	6182	615	2	5,18	88.3	40	31,48							
1020	17,6	6182	614	2	5116	87,3	50	31,48							
1021	17,6	6,82	614	2	5.16	86,4	57	31,48							
······································	······································		Yes (uated: 57								
Sampling Da	ate: 05	120/	zi	Sampling	Time: /C	130	Depth to Wate	r: 31,48							
Sample I.D.:	mw	-15			Laborator	y: BC									
Analyzed for	r:						Other Lee C	0.0							
EB I.D. (if a _l	pplicabl	e):		@ Time .	Duplicate	I.D. (if app	· · · · · · · · · · · · · · · · · · ·								
B I.D. (if ap	pplicabl	e):		(n)	Analyzed		· · · · · · · · · · · · · · · · · · ·								
O.O. (if req'd	i):		Pre-purge:		$^{ m mg}/_{ m L}$	Post-	purge:	mg/L							
D.R.P. (if rec	q'd):	•	Pre-purge:		mV	Post-	purge:	mV							

	1			·	~	
Project #: 2105[7-	<u> </u>		Site:	JPL		
Sampler: HH			Date:	75/2K	5/21	
Well I.D.: MW - 16)		Well Di	ameter: 2	3 (4) 6	_ 8
Total Well Depth (TD): 8	185,36		Depth to	o Water (D'	ΓW): 06//	1) C// 0/
Depth to Free Product:					Product (feet):	4 US 7, Q1
Referenced to:	Grade		Flow Ce		10000:	YSI 556
DTW with 80% Recharge	[(Height of	Water Col	umn x 0.	20) + DTW	7:	
Purge Method: Bailer Disposab Positive A	ole Bailer Air Displacemer Submersible	2" R	Waterra Rediflo pump action Pump		Othe	Disposable Bailer Extraction Port Dedicated Tubing er:
Temp (°F or "C) pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/I	ORP(mV)	Gals. Removed	Observations
- +nsoft	ncient	Water	cta	Purge	or Sam	le-
7110	Dam	ele k	Ion			
			 			
Did well dewater?	es	No (Fallons a	tually evac	rusted:	
Sampling Date:		Sampling 7		· · · · · · · · · · · · · · · · · · ·	Depth to Wate	
Sample I.D.:			aborator		Depuir to water	7T:
Analyzed for:			aborator			
EB I.D. (if applicable):		@)unlianta		Other:	
FB I.D. (if applicable):		(a)	nalyzed	I.D. (if app	nicable):	
D.O. (if req'd):	Pre-purge:	Time P	mg/L	"		me
O.R.P. (if req'd):	Pre-purge:	***	mV		-purge:	mg/L

					VEL INSIDE C	ASING:	6/21 209, 6 62 (Finish)	10	1.16		- - - -		PROBE TYPE SERIAL NO. PROJECT: OPERATOR(S) WEATHER	EM. JPL L.H	thay 5 2. enderso	SOZ 27					- - - -	
	-	Probe to Top Collar	Surface (probe in	Function Te	sts / Position) / (lower pro	Sampler	Ī		Sample		ection Checks g port in MP casing)			· · · · · · · · · · · · · · · · · · ·	/ 	eters			1	Sample	· · · · · · · · · · · · · · · · · · ·
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valva	Port Pressure (psi)	Close Valve/	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
5_		V	V	سنا	0		240,23		176.25	5	175.77	1	239,60	18.7	723	6-80	4	5.35	141	0905	40-17-1	5
4	1	~	\ \ '\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \	V	178.04 178.0	1	124.55 124.49	12	124.53		178.04	20.4 —	714	751	3	5.lol/ -	126	0940	40-17-	7
323	23	\ <u>\</u>	V	\\ \/ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	//		128.65 128.63 128.64		92,40		9 2.41 92.41 92.40	レンレ	128.61 128.61 128.64	<u> </u>	785	9,31	10	4,85	109	1045	MW-17	-3
2	2		7	1	/		86.03 85,82	1 L	54.31 5 4.32	V	54.31 54.31	V		23.3	503	3,63 -	3	4.52 -	106	1230 1245	MU-17- DUP-5-2a	2 21
<u>i</u>		2					3 2.23	V	14,15	ν 	14.15	レ	32.22	-PC	P7	ŢS	DA	24 -	NO	SAN	IPLE -	
Com	ments:	1.	B-	7-0	052,	62,	, छ	Cr.	BCO													

				SAMPLING I	EL INSIDE C	125/ asing: 2	94,93		>96		- - -		PROBE TYPE SERIAL NO. PROJECT: OPERATOR(S) WEATHER	Dest EM EN L.He	hay 5 25 ndersar 50nn	2007					- - -	
					mb.	25.19	77		7.40				WEATHER 1	1604	Jovino		* ·		·-	The state of the s	-	
	•	Probe to Top Collar		Function Testop of collar							ction Checks port in MP casing)				ield Parame	ters				Sample	
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Vaive/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve) Port Pressure (psi)	Close Valve/ Shoe in	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
5	1	レ	V	0	V	/	187,52	-1	157.90	シレ	157,87	V	187.54	23.9	311	7.14	9	7.42	-155	0845	MU-18-1	5
474	123	Y	V	7			135.76 135.77 135.75	14	111.78		111.79 111.79 111.80	V	135.80 135.78 135.79		432 -	7.53 	2	7,30	57 —	0915	MU-18-4	1
														-								
3 3	2	V	<u>レ</u>			- レ レ	74,80 74,23	1	62.60 102.60	ンレ	12.60	1	74.83	25.0 -	<i>723</i>	8.09 -	1_	8.00	94	1045 1100	MD-18-	
	1		,		/		70-		112 70					0C 0	1100	G at	<i>a</i>				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
2	-	~	2	V		7	30.31		<u>73.77</u> 23.60		23,78	1/	<i>3380</i> 3030	25.9	453	836	8	7,55	37	1/45	MU-18-	Z
,									-													
1		V			1		19/15	4	1416	1	14,14	V	14.14	<u>-P</u>	ORT	-	S	DRY		NO	SAMPLO	
																					10 100 100 80 40 70 100 70 40 70 80 40 40	
Com	ments:	TE	3-6	- 05	525	21	C 08	U 00)				J.				1			1		
	-																***************************************					
	_																	ALAN .	, , , , , , , , , , , , , , , , , , ,			***

		WELL ID:	<u>MN</u>	-14					_		PROBE TYPE	N621	tbiny						
		SAMPLING		5/1	9121/	5	12012	1	_		SERIAL NO.	EMS	250	22					
		LOCATION:			41.80				-		PROJECT:	SPL							
			VEL INSIDE C		02 (Finish)				-		OPERATOR(S)	L. He	inderso	'n					
		ATIVI. FIXES	SUNE (FSI).	(Start) 1-7.	C (Finish)				-		WEATHER	e Ica	1,50	nny_		77.04			_
Probe to	Surface	Function Te	ota / Danisia	. Complet	1					`		7							
Top Collar		top of collar					(probe at sam	Collect pling	tion Checks port in MP casing)				Field Parame	eters				Sample
Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
<u> </u>	1	1/	./		170.17	7 1	113.68		113.68	1	170.19	24.9	920	6.60	3	477	137	1415	MW-19-5
							,						1.00	10.45		1911	107	1110	19019-3
·/	V	1		V	146.70	1	90.51	ب	90.49	1	146.91	22.8	075	7.06		4.87	111	1445	4019-4
					011 011	. _		Ш											
	-V				124.34	<u> </u>	84.15		84,15	1/	124,35	22.1	976	7.25	2	4.05	106	1515	MU-19-3
					00.15	<u>,</u>	7 7 7 7		\sim										
		V			90.47		50.85	4	50.05	/		22.5	1208	7.59	11_	4.25	98	(23/)	MW-19-2
<u> </u>				V	00.41		50.86	4	\$0.87		90.46					_	-		
		V	V	W	90.42	L	5090	1	50.92	$ \mathbf{v} $	90.41		_	-	: 				
		.			Ca 12	\square	61 100		6.10		10:11	00.1	50:				-		
1	1	.0					21.68	_	21.53	1		23.1	793	8,68	6	5.10	53	1720	MW-19-1
V +				V	57.84		21.69	Y	21,70		57,84								T
				****		+		\dashv											
						+		\dashv		_									
						+		\dashv											· · · · · · · · · · · · · · · · · · ·
					·	+		\perp		_					·			·	
		001/	201		21.0	┷]							
C 13	<u> </u>	0519	<u> 121</u>	(P)	<u> 345</u>	\bot													

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

Comments:

		,		SAMPLING LOCATION: WATER LEV	751	612 asing: 2	21 43,5° .93(Finish)	V _i	10.07				PROBE TYPE SERIAL NO. PROJECT: (OPERATOR(S) WEATHER (197 197	thouy Independence Sonny	KSON					·
		Probe to Top Collar			sts / Position) / (lower pro						ction Checks port in MP casing)			ı	ield Parame	ters				Sample
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Vaive/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psl)	Open Valve	Port Pressure (psl)	Close Valve/ Shoe in	Pressure in MP Casing (psi)	Sample Temp (⁰ C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5			V	·/	1	1	3034	19/	293,00	11	29308	V	303.82	23.0	330	7.62	1	658	-126	1030	40-0-5
4	1	V	V	V	<u>ر</u>	V	217.1	7レ	192.74	2 2	192.71	V	217.10	23.5	334	8.65	2	6.32	-138	1) 05	MU-20-4
3	1		V				157.20	0V	141.29	レレ	141.19 141.32		157.17	24.5	324	8 <u>5</u> 8	2	6.11	-189	1140 1155	MU-20-3 DUP-8-2021
2	(V	~		V	B3:33	1	70,70	V	70.72	83.34	25.2	707	8.24	2	5.44	32	1245	MU-20-2	
		/		V	0		14.14	4	14.16	V	14.15	1	14.11	~PC	RT	T	S D	۲ ۲	-NO	54	UPCE -
									7 17 100								7				

Comme	1_ ents:	7	3-11	<u> </u>	<u>ن</u> ماد	22	(A)	<u>_</u>	900	LL							L				
	_	=======================================	B-1	110)(QC)		<u> </u>		1300)			Avo. So.								

					WELL ID:	MU			/_	T				PROBE TYPE	Lest	bay							
					SAMPLING LOCATION:		5/2	6/21/	<u></u>	127/2	<u> </u>	····		SERIAL NO. PROJECT:	€MS TPL	1 29	50Z						
					***************************************	VEL INSIDE (CASING:	7.72				-		OPERATOR(S)		nders a	^		*			-	
						SSURE (PSI):		(O (Finish)		- (3				WEATHER	clear	1 Sum y)				1111-	-	r
ſ			Probe to	Surface		Temp	32.	1'(. <u>Y</u>). 6 1 ° C		ection Checks			1						1		
		-	Top Collar			r) / (lower pro				(probe at sa		port in MP casing)			· •	Field Param	eters				Sample	
	Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psl)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/	Shoe in Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
M	S		V	V	V	V	V	129,20		121.5		121.52	1	129.30	25.5	368	8.53	5	5,24	105	1435	MU-21-5	
	9	Ī	V	V	/		i/	102.73	V	94.60	1 -	94.65	L	102.78	23.6	969	815	3	5,66	113	1505	MO-21- H	75/
		$\overline{}$	~~	$\overline{}$					\perp		\perp		L										
	3		V	V	V			72,70	14	64.82	20	64.84	V	72,70	25.2	1315	8,05	1	6,24	122	0850	MW-21-3	₹
⇅	7		. /	; /		1		20 00	\perp	60 0 101	\perp	6 1		2-2-2-		. (9) 1 . 2		,					5/
	2	$\frac{1}{2}$		1	1/	1		38.11 38.17		20.74		30.72	~	38.23	27.7	1440	7.34		543	114	0920	MW-21-2	
t								JUNI		<u> 50.7-</u>	1	30170		30410							0935	DUP-6-202	
		$\perp \downarrow$			V	V	V	14.16	V	14.17	V	14.15	シ	14.18	-PC	RT.	IS	DRY	7 - }	VO S	MPLO	TAICEN -	
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L	_		-																				-
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L	Comr	nents:	<u> </u>	13 - I	7-05	26	21	144	심	1		3-8	- (S272		020	<u></u>						
											٠			- 1212		JUX				-			_
		-				-	•					······································										·	

				SAMPLING LOCATION:	JP	512	24/21						SERIAL NO.	An		700					
						1					_		SERIAL NU.	F19.	thay 5 2:	302					
							00/11	-					PROJECT:	216							····
•							28,64 05 (Finish)		.00		_		OPERATOR(S)	<u>, L, </u>	Hendt	ison					-
				AIM. PRES	SURE (PSI): (Start) / 4, ((Finish)						WEATHER	Clear	1501	204					_
		r	r				T		21.25							/					
		Probe to Top Collar			sts / Position) / (lower prot				Sample (probe at sam	Colle	ction Checks port in MP casing)			1	Field Parame	ters				Sample
	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psl)	Close Valve/ Shoe in	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pΗ	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5		/	V	1/	1	- 1/	173.70)[/	154.47	1	154,45	1	173.70	20.3	362	9.29	5	5.12	-162	0930	MW-22-5
										T			, , , ,		700			2.12	100	0130	21W62 3
7	Щ			/	V		121,46	V	105.46	1	105.46	2	121,48	0). Ω C	393	7.42	3	5.05	45	1000	411-77-4
									/							1		0.00		1000	170 66
3	Ц	_/		1/	V	-/	87.63	マ	77.36	1	77.37	V	87.63	22.2	559	7.78	Z	4.66	88	1040	H()-22-3
_	_						, , , , , , , , , , , , , , , , , , , 	\square					/		Ů			.,,,,		1010	1000
2 2	\perp			V	1/	V	<u>61,55</u>	1	51,25	1	51.24	1	61.59	33 <u>.</u> 5	654	7.95	\overline{I}	3.99	84	1115	MU-22.Z
4	2		/		V		61.56	14	51.23	V	31,23	1	61.58		.			~ + 0	_	1-1-	7.0 2- 2
1]				(A) 1 -	\sqcup	<i>~</i>	<u>L</u>			4		•				_		**************************************
4	1				1/	1/	24.60	4	15/15	<u></u>	15.16	V		2(,5	1226	7.85	6	4.56	114	1210	140-22-1
4	4			1		اساً.	23 25	4	<u> 15.15</u>	4	15.18	4	23.26			`					
	_							\sqcup													
-	\dashv							\sqcup													
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							<u> </u>	Щ													
Comme	nts:		118-	·5 -C	JS 24	<u>21 </u>	@ 0	\mathcal{C}_{i}	30		····			10-1						*	
	_	70.0	MU	-22	-21	M5/	MSD														

				WELL ID:	MU	-23		,			<u> </u>		PROBE TYPE	Des-	fbay						
				SAMPLING		5/18	121	-			_		SERIAL NO.	EM:	s ¹ 25	02				······································	
				LOCATION:			142.10	-			_		PROJECT:	JPC							-
				***************************************	VEL INSIDE C SURE (PSI):		07 (Finish)		Λ ²				OPERATOR(S)	4.1	lendersc	ท					
									21.75	01	_ ′		WEATHER	CIP	ar, su	104			10000		-
	1	Probe to	S4				9ºC														
		Top Collar	(probe in	top of collar	ests / Position r) / (lower pro	Sampler be to port)			Sample (probe at san	Colle pling	ection Checks port in MP casing)			1	Field Parame	ters				Sample
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe in/ Arm in	Locate Port/ Arm Out/ Land Probe	Pressure in MP Çasing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рH	Turbidity (NTU)	Dissolved Oxygen (gpm)	ORP (mv)	Sample Time	Sample ID
7		·/	-V	/	V	/	189.61	1	165.04	V	164,73	1	189.63	23.1	452	780	P	4.93	-137	1137	MV-23-5
1 1	ļ.,		*											,						1100	714 75 0
4	1	~	<u> </u>		<u></u>	V	147:63	V	123.10	V	123:10	V	147.62	23, L	451	7.37	2	4,60	17	1215	40-23-4
3		1	1			- , /	0007		SC- 110	L		_	600.00	04.	ļ			1			
ر 7	2						92,97 92.95	ľ	75,14 75,13	1	75.14	١	92.99		612	765	2	5.31	56	1245	
_							10.10		13(15	۲	12/12	1	192.99							1300	DUP-1-2921
2	1	- U			1		64,73		47.00	1	47.01	レ	64.74	270	1148	7 (7)	7	5.59	71	104	MO-23
																1.31		2.59	_/ (1345	111 22 0
1	1		0		V	V	28.46	1	14,17	V	14.16	V	28.48	- PC	RT	IS	D	2 Q	- <i>NO</i>	SAN	MW-23-2
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Comments: TB-1-051821 @ 1100															····			·			
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Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

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				SAMPLING LOCATION:	501	5 (2	8/21				- - -					- -						
					/EL INSIDE C. SURE (PSI): (1.2	240.1 47 _(Finish)	$\frac{O}{I}$	4.02		-	. 8	OPERATOR(S)	_								
				ATM. FACO.	22.0	77	(/ (Finish)	2	<u> 770 C</u> フフ		-		WEATHER C	dear	onny						-	
	1	Probe to	Surface	Eunction To	しょい sts / Position	1 /		<u>.)·</u>		0.11.	-0-01			1	,					T		
		Top Collar) / (lower pro)						ction Checks port in MP casing)				1	Field Parame	ters				Sample	
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Vaive/ Check Vacuum	Open Valva/ Apply Vacuum (5 psl)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/	Pressure in MP Casing (psl)	Sample Temp (°C)	SC (µS/cm)	На	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
5	1		レ			1/	205.63		174.4	3レ	V	V	205.73	22.0	506	7.39	2	4.83	151	0930	HU-24-5	-
									,	T				A Jea U		10.5		1.00	151	0750	710 21-3	-
4	İ	1	1		V		15211	V	127.8	1	117,86	V	151.91	22.4	210	8.97	7	4.93	-147	1015	40-24-1	6
					,	,					\ F \ F				2.10	0.17		1.0	112	1010	7021	7—
3	1		1/		V	\	100.52	V	83.40	1	63.61	レ	1056	22.0	(D8	2,25	2	5.09	29	1050	40-24.	=
				_ /			,				/		100.			7, 200		2.00		1000		-
2					رز		73.15	7	57.34	レ	57.33	V	73.03	21.7	624	8.22	2	5.23	95	1130	MU-24-Z	,
2	Z		V	1	レ	<u>ر</u>	72,69	V	57,30	1	57.32	~	72.57	,	_					7,50	2900000	
									_		/		-				-,,,,,,					\dashv
	1	<u> </u>	- 1	1	ررز ر	V	31.86	V	18.97	1	18.99	フ	31.78	22-6	714	306	H	377	105	1245	460-24	7
	2	<u> </u>	1	1	-1/		31.10		18.99	سا	19.00	1	21.70			_	_		-		210001	\neg
1	3	1/			س		31.05	سا	18.95		18.97	1	30.46		_	-			_			\neg
									-		/							******	***************************************			
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Com	nents; _	TP	<u>, -q.</u>	- 05	,28%	21 6	<u> 080</u>	0	/ 5	B	-2-09	5 6	2821	<u> 9/4</u>	20							
	_	ES	3.9	- O°	5 7.8	21	(S) 1	10	ó				·		—·		w					_
	_						~ /-							***			43				5 740 MB W 100 MB 177 C 7 C 7	

WELL ID: MU-25 SAMPLING DATE(S) 5/21/21 LOCATION: 2PC													SERIAL NO.	Uestl EMS JPC	/ 25	50 2					 -
					EL INSIDE C	ASING:	**				_		PROJECT: OPERATOR(S)		- enders	m					···
				ATM, PRESS	SURE (PSI): ((Start)) (Finish)	14	.13		- -				Supp			71			_
						18.0	15°C	7	211801	_				·100 7	1						_
		Probe to Top Collar		Function Ter top of collar		Sampler			Sample	Colle	ction Checks port in MP casing)				F	ield Parame	ers		710		Sample
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe in/ Arm in	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe in	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5	_L	V	レ	·V-	レ	V	219.81	V	215,72	E/	215.73	V		20.9	364	8.36	て	3.10	-167	0900	190-25.5
							****	_													
4	İ	_i_	V	V	✓	✓ <u> </u>	185.73	V	181.71	V	181.71	1	185,70	21.5	842	7,35	Н	4.27	15	0930	MU-25-4
~					/		100							- (./			
3	17	V	1/	<u> </u>		1	129,41	2	126,00	2	126.02	1	129.45	26.6	79	7.89		4.44	<u>55</u>	1015	
5	2						124.00	V	126.00	2	126,01	V	129.02					_		1030	DUP-2-2021
2	-			-			94,69		01 110		alva		101170	017	70-	6.11		31 . (1124	141.0
-	-1			V			91,07	,	91,40		91,40	<u> </u>	94,74	70,2	787	6.22	2	4066	66	1100	MW-25-2
Í	1		· /	<u></u>	レ	~	66.39	U	63.04	レ	63.05	レ	66.41	23.5	912	7.88	Z	4.93	79	1130	MU-25-1
										\vdash		_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
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Comr	nents:	_	B-	4-0)5A	1216	0800			LI	1	1									
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	-	••	17774		E	Blaine	Tech Se	rvi	ces, Inc	. 1	680 Rog	ers	Ave., Sa	n Jose	, CA 95	5112 (B00) 5	45-7558	<u> </u>		

-	T		y ************************************	ATM. PRES	DATE(S) TP(VEL INSIDE C. SURE (PSI): (Emp!	ASING: 5 (Start) / 4,	9,46 03 (Finish)	142	1.04		- - - -			LIHP	olly 1507 Judeson Sumy			174.5			- - - -
	Probe to Surface Function Tests / Position Sampler Sample Collecti Top Collar (probe in top of collar) / (lower probe to port) (probe at sampling po							ction Checks port in MP casing	1)				Field Parame	ters		`		Sample			
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psl)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
2	Ţ		V	'	V	<i>i</i> /	84,30		45.15	レ	145.18	1	184,33	25.6	759	853	4	6.18	110	1345	MU-26-Z
2	2		- 1/	<u></u>	1	レ	32.82	1	45.16	1	145.16	W	82.21		<u> </u>				_		
ř	1	· /		V			49.33	シ	14,20	V	74.17	V	199.36	POI	RT.	Ţ5	DR	Y - Y	10 5	AMP	1E-
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Com	ments: _	<u> </u>	13-	6-0)52S	521	0/	16	00												