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<sup>™</sup> multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26). Groundwater sample collection for the 4<sup>th</sup> Quarter 2017 sampling event was conducted by Blaine Tech Services, Inc.



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Project #:	710)	3-H	H)		Site: JPL					
Sampler: H	H				Date: /0	<i> 25/1</i>	7			
Well I.D.:	mu-	-/			Well Diameter: 2 3 4 6 8					
Total Well D	epth (T	TD): 1	120.00		Depth to Water (DTW): 39,06					
Depth to Free	e Produ	ict:	4 42		Thickness of Free Product (feet):					
Referenced to		PVC	) Grade		Flow Cell	Туре		YSI 556		
DTW with 8	0% Rec	harge	[(Height of )	Water Col	umn x 0.20	)) + DTW]	: 55, 24			
Purge Method:	Positive .	ole Bailer Air Displacement Submersible		Waterra Rediflo pump raction Pump Decl POW	р	Sampling Method: Other:	Bailer Disposable Bailer Extraction Port Dedicated Tubing			
361PM	@12	210			We	1" 0.04	iplier Well Diameter 4"	0.65		
$\frac{52.7}{1 \text{ Case Volume}}$	als.) X	<u>S</u> ecified V	$\frac{15}{\text{olumes}} = \frac{15}{\text{Calcu}}$	S. Gals	S.	2" 0.16 3" 0.37	6" Other	1.47 radius <sup>2</sup> * 0.163		
Time	Temp (°F)	рН	Cond. (mS/cm or (uS/cm)	Turbidity (NTUs)	D.O. (mg/L	₽ĵ+ ,Q <u>R</u> P(mV)	Gals. Removed	PTW Observations		
	64,5	7.41	635	9	1.10	173,44	A627	39,9 b		
	6416		633	6	6.90	105	5254	40.05		
1237	64.7	7,18	631	5	0,85	103	8)	40.07		
1246	64,5	7.16	629	4	0,83	101	108	40.08		
1255	64.2	7.13	625	4	0.81	99	135	40.08		
1303	64.1	7.12	6a 3.	3	0.79	97	159	40,08		
Did well dev	vater?		Yes (	No	Gallons a	ctually eva				
Sampling Da	ate: /C	az	5/17	Sampling	; Time: <b>/</b> 3	04	Depth to Wate	r: 40,08		
Sample I.D.:	mu	<u>.</u> <u> </u>			Laborator	y: BC				
Analyzed for	r: Se	e C	101 C				Other:			
EB I.D. (if aj	pplicab	le):巨	3-7-102517	@ 122(	Duplicate	I.D. (if app	plicable): <i>DU</i>	0-8-4017		
FB I.D. (if ap	pplicab	le):		@ Time	Analyzed	for:		-		
D.O. (if req'o	1):		Pre-purge:		<sup>mg</sup> /L	Pos	t-purge:	mg/L		
O.R.P. (if red	q'd):		Pre-purge:		mV	Pos	t-purge:	mV		



				_		-
Project #: 171013-HH	+ ]	Site: J	PL			
Sampler: HH		Date: 10	[24]	7		
Well I.D.: MW-5		Well Diam	neter: 2	3 (4) 6	8	
Total Well Depth (TD): 140	1. <i>00</i>	Depth to Water (DTW): 15,65				
Depth to Free Product:		Thickness	of Free Pr	oduct (feet):		
Referenced to:	Grade	Flow Cell	Туре		YSI 556	
DTW with 80% Recharge [(H	leight of Water Co	lumn x 0.20	) + DTW]	: 120.52		
Purge Method: Bailer Disposable B Positive Air I Electric Subn	Displacement Ex	Waterra Rediflo pump traction Pump		Sampling Method: Other:	Disposable Bailer Extraction Port Dedicated Tubing	
26M @1048 15,9 (Gals.) X 3 Case Volume Specified Volume	$\frac{1}{1}$ = $\frac{47.7}{Calculated Volume}$ Ga	ls.	Diameter Mult   " 0.04   " 0.16   " 0.37	iplier Well Diameter 4" 6" Other		
Temp (m	Cond. nS/cm or Turbidity nS/cm) (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	DTW Observations	
1052 72,37,79	580 10	3,10	179	8	116,25	
1056 74,37,03 4	168 6	2,66	148	16	/16,39	
160 74,96,97 4	151 5	2.63	144	24	116.43	
104 74,3698 6	150 4	a.55	139	32	116.46	
108 74,16,96 4	149 4	$a_15a$	137	40	116,47	
1/12 74.06.94 6	147 4	2,50	135	48	116,47	
Did well dewater? Yes	s No	Gallons ac	tually evac	cuated: 48		
Sampling Date: 10 24 11	7 Sampling	g Time:	13	Depth to Wate	r: 116.47	
Sample I.D.: MW-5		Laboratory	BC			
Analyzed for: See C.O.				Other:	6	5112
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable): DUP-6- 4017				
FB I.D. (if applicable):	@ Time	Analyzed for:				
	Pre-purge:	<sup>mg</sup> /L	Post	-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post	-purge:	mV	

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Project #: \7101	3-HHI		Site:	JPL			
Sampler: HI+			Date: 0	124/1	7		
Well I.D.: MW	-6		Well Diameter: 2 3 4 6 8				
Total Well Depth (	TD): 245.00	)	Depth to Water (DTW): 227, 45				
Depth to Free Prod			Thickness of Free Product (feet):				
Referenced to:	Grade		Flow Cell Type YSI 556				
DTW with 80% Re	charge [(Height of	Water Col	umn x 0.20	) + DTW]	: 230.96	2	
Purge Method:	Bailer Disposable Bailer Positive Air Displacemen Electric Submersible		Waterra Rediflo pump raction Pump Act _ RF2	`		Bailer Disposable Bailer Extraction Port Dedicated Tubing	
-16pm@13	325			Diameter Mult 1" 0.04	iplier Well Diameter 4"	Multiplier 0.65	
11,5 (Gals.) X	<u>3</u> = <u>3</u>	リ、 <u>5</u> Gals ulated Volume	s.	0.14 2" 0.16 3" 0.37	6" Other	1.47 radius <sup>2</sup> * 0.163	
Temp Time (°F)	pH ptS/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	PTW Observations	
1331 76,5	7.30 1073	12	4.71	95	6	225.11	
1337 74,5	7.20 1093	10	4,65	90	12	278.RO	
1343 74,2	7.17 1102	8	4.63	88	18	228.22	
1349 74,1	716 1105	7	4,61	85	24	228.24	
1355 13.9	7.16 1109	7	4,59	84	30 2	28.24	
1401 73.8	215 1110	7	4,57	83	-36 3	288.24	
						`	
Did well dewater?	Yes (	No	Gallons ac	tually eva	cuated: 36	<u>&gt;</u>	
Sampling Date: /	124/17	Sampling	Time: 14	02	Depth to Wate	r: 228,24	
Sample I.D.: M	W-6		Laboratory	y: BC			
Analyzed for: Se	-e C. G. C				Other:		
EB I.D. (if applicat	ole):	@ Time	Duplicate	I.D. (if app	olicable):		
FB I.D. (if applicab		@ Time	Analyzed	for:			
D.O. (if req'd):	Pre-purge:		<sup>mg</sup> /L	Pos	t-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	:	mV	Pos	t-purge:	mV	

\* ms ImsD

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Project #: 171013-	<u>HA)</u>		Site: 5	TPL			
Sampler: $(+)+$			Date: /	<u>0/25/</u>	רן		
Well I.D.: MN - 7			Well Diameter: 2 3 4 6 8				
Total Well Depth (TD):	267,55		Depth to Water (DTW): 254,7				
Depth to Free Product:			Thickness of Free Product (feet):				
Referenced to: PVC	Grade		Flow Cell	Туре		YSI 556	
DTW with 80% Recharg	e [(Height of	Water Col	umn x 0.20	0) + DTW]	: 257.27	<u></u>	
Positi	sable Bailer ve Air Displacemen ic Submersible		Waterra Rediflo pump raction Pump		Sampling Method:	Disposable Bailer Extraction Port Dedicated Tubing Vece Fabra Multiplier	
$\frac{S_1 4}{1 \text{ Case Volume}} (\text{Gals.}) \times \frac{3}{\text{Specified}}$	Volumes = Z	5,2 Gals	11	1" 0.04 2" 0.16 3" 0.37	4" 6" Other	0.65 1.47 radius <sup>2</sup> * 0.163	
Temp Time (°F) pH	Cond. (mS/cm or (uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	) ORP(mV)	Gals. Removed	⇒TW Observations	
1014 74,5693		\$1000	3.92	123	4	255,31	
1019 75,3210	5-11	291	3,45	110	9	235.39	
1023 75,67,13	3 750	135	3.31	108	13	255.41	
1028 75,87,15	5746	124	3,19	105	18 .	255.43	
1033 76.07.11	5 745	122	3.17	103	23	255.43	
1036 76.0 7.16	5 743	IRI	3,15	10a	26	255.43	
Did well dewater?	Yes (	NO	Gallons ad	ctually evac	cuated: 26	j	
Sampling Date: 16/	/17	Sampling	Time: /C	)37	Depth to Wate	r: 255.43	
Sample I.D.: MU-7			Laborator	y: BC			
Analyzed for: See Ci	0, C				Other:	1011-101-101-101-101-101-101-101-101-10	
EB I.D. (if applicable):		@ Time	Duplicate	I.D. (if app	olicable):		
FB I.D. (if applicable):		@ Time	Analyzed	for:			
D.O. (if req'd):	Pre-purge:		mg/L	Post	-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:		mV	Post	-purge:	mV	

Project #: 1710	13-7+H1		Site: 5	PL				
Sampler: HH			Date: 10/24/17					
Well I.D.: MU-	5		Well Diameter: 2 3 4 6 8					
Total Well Depth (		2	Depth to Water (DTW): 181,24					
Depth to Free Prod			Thickness of Free Product (feet):					
Referenced to:	(PVC) Grade		Flow Cell Type YSI 556					
DTW with 80% Re	charge [(Height of	Water Col	umn x 0.20	)) + DTW]	: 18599			
Purge Method:	Bailer Disposable Bailer Positive Air Displacemen Electric Submersible		Waterra Rediflo pump raction Pump 24 RF2		Sampling Method: Other:	Bailer Disposable Bailer Extraction Port Dedicated Tubing		
2LOM @/	173			Diameter Mult 1" 0.04	iplier Well Diameter 4"	<u>Multiplier</u> 0,65		
15, 5 <sub>(Gals.)</sub> X		615 Gals	11	2" 0.16 3" 0.37		1.47 radius <sup>2</sup> * 0.163		
1 Case Volume Sp		ulated Volume	][					
Temp	Cond. (mS/cm or	Turbidity			Cala Damarad	PTW		
Time (°F)	pH (TS/cm)	(NTUs)	D.O. (mg/L)		Gals. Removed	Observations		
1131 7212		33	6,55	191	8	152111		
1141 71.4	Pizz 619	80	6.31	182	16	182185		
1195 71.2	7.24 617		6.25	179	27	182189 100 80		
1199 71.1	725615	16	6.23	1/5	32	182189		
1153 71,3	123613	15	GR	113	70	182187		
115/7112	7,22 612	15	6.19	112	48	182,87		
						,		
Did well dewater?	Yes (	Ńd)	Gallons ac	ctually eva	cuated: 48			
Sampling Date: //	124/17	Sampling	Time: 11	58	Depth to Wate	r: 182,89		
Sample I.D.: MW	-8		Laborator	y: <u>BC</u>	<u></u>			
Analyzed for: Sea	$e C O_{i} C$				Other:			
EB I.D. (if applicab	le):	@ Time	Duplicate	I.D. (if app	olicable):			
FB I.D. (if applicab	le):	@ Time	Analyzed	for:				
D.O. (if req'd):	Pre-purge:		<sup>mg</sup> /L	Pos	t-purge:	<sup>mg</sup> /L		
O.R.P. (if req'd):	Pre-purge:		mV	Pos	t-purge:	mV		



			r				
Project #: 17(0)	3-HH]		Site: 5	PL			
Sampler: HH			Date: 10	1251	17		
Well I.D.: MW-	-0	-	Well Diameter: 2 3 (4) 6 8				
Total Well Depth (T	D): (28,00)		Depth to Water (DTW): 32,05				
Depth to Free Produc	ct:		Thickness of Free Product (feet):				
Referenced to:	(PVC) Grade		Flow Cell Type YSI 556				
DTW with 80% Rec	harge [(Height of	Water Col	umn x 0.20)	) + DTW]:	39,24		
Purge Method:	Bailer Disposable Bailer Positive Air Displacemen Electric Submersible	2" F t Extr	WaterraSampling Method:BailerRediflo pumpDisposable Bailerraction PumpExtraction PortEdRE2Dedicated TubingOther:Other:				
260mG)	1113			Diameter Multi		<u>Multiplier</u> 0.65	
224	2 5	22 6-1	1' 2' 3'	.16	6" Other	1.47 radius <sup>2</sup> * 0.163	
Gals.) X 1 Case Volume Spe	$\frac{1}{1}$ = $\frac{1}{1}$ Calcu	Gals Gals	5. J				
Temp	Cond. (mS/cm_or	Turbidity				PTW	
Time (°F)	pH AS/cm)	(NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations	
1119 69.6	7.31 621	14	1.39	87	12	33,26	
1125 70,37	7,25 619	10	1,RO	79	24	33,54	
1131 70.9	7,23 617	8	1.15	75	36	33,61	
1137 21.3	7,21 613	8	110	72	48	33,64	
1143 71.5	7,20 611	8	1.09	70	60	33,65	
114971.7	7,18 609	8	1.06	69	72	33,65	
Did well dewater?	Yes (	No	Gallons ac	tually evad	cuated: 72	L	
Sampling Date: 10	125/17	Sampling	; Time: //	50	Depth to Wate	r: 3 <i>3,</i> 65	
Sample I.D.: MW	-9		Laboratory	: BC			
Analyzed for:	e ( 0.C				Other:		
EB I.D. (if applicabl	e):	@ Time	Duplicate 1	I.D. (if app	olicable):		
FB I.D. (if applicable	e):	@ Time	Analyzed f	for:			
D.O. (if req'd):	Pre-purge:		mg/L	Pos	t-purge:	<sup>mg</sup> /L	
O.R.P. (if req'd):	Pre-purge:		mV	Pos	t-purge:	mV	

WELL	MONIT	ORING	DATA	SHEET
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Project #: )	710	13-1	441		Site: Ja	PL			
Sampler: H	-14				Date: 10/24/17				
Well I.D.:	miv-	-10			/ Well Diam	eter: 2	3 (4) 6	8	
Total Well D	epth (T	D): /	55.00		Depth to Water (DTW): 130.85				
Depth to Free			<u> </u>		Thickness of Free Product (feet):				
Referenced to	o:	(PVC)	Grade		Flow Cell Type YSI 556				
DTW with 80	0% Rec	harge	[(Height of	Water Col	umn x 0.20	) + DTW]:	: 135,68		
					Waterra Rediflo pump raction Pump Deel RF2	_		Bailer Disposable Bailer Extraction Port Dedicated Tubing	
ZAPW	(a)	1240	1		Well	Diameter Mult " 0.04	iplier Well Diameter 4"	Multiplier 0.65	
$\frac{15.7}{1 \text{ Case Volume}}$ (Ga	als.) X Sp	3 ecified Ve	$=$ $\frac{L}{Calcu}$	17./ Gal	2	0.16 0.37	6" Other	1.47 radius <sup>2</sup> * 0.163	
[			Cond.					n-i	
T	Temp	aIJ	(mS/cm or	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	D W Observations	
Time	(°F) 7,7	<sub>рн</sub> 7,57	(IS/cha)	RO RO	5,45	144	8	131,81	
1257	1217 7215	7,55	605	16	5.31	121	16	132.05	
	7211	7.54	603	15	5,25	120	24	132,10	
		7,31	601	11	5,20	113	32	132,12	
1309	71,9	7,28	599	11	5,R1	112	40	132112	
1313	71,8	7,27	596		5,19	110	48	13212	
12100				<u>,</u>			Cara Cara Cara Cara Cara Cara Cara Cara		
Did well dew	vater?	<u>I</u> L	Yes (	No	Gallons ac	tually eva	cuated: 48	*	
Sampling Da	ite: /0	124	/17	Sampling	; Time: 13	14	Depth to Wate	r: 1321/2	
Sample I.D.:		)–IC	)		Laboratory	r: BC			
Analyzed for	:	eC.	. O.C		-		Other:		
EB I.D. (if ap				@ Time	Duplicate	I.D. (if app	olicable):		
FB I.D. (if ap	oplicabl	le):		@ Time	Analyzed	for:			
D.O. (if req'd	l):		Pre-purge:		<sup>mg</sup> / <sub>L</sub>	Pos	t-purge:	<sup>mg</sup> /L	
O.R.P. (if rec	q'd):		Pre-purge:		mV	Pos	t-purge:	mV	

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Project #:	1710	13-1	1+1+1		Site: J	2			
Sampler:	HH				Date: /	1251	17		
Well I.D.:	mw	-13			Well Diameter: 2 3 ④ 6 8				
Total Well	Depth (7	ΓD): 🦼	134,65		Depth to Water (DTW): 225,33				
Depth to Fr	ee Produ	lct:			Thickness of Free Product (feet):				
Referenced	to:	PVC	) Grade		Flow Cell Type YSI 556				
DTW with	80% Re	charge	[(Height of	Water Col	umn x 0.20	)) + DTW]	: 227,19		
Purge Method:		Positive	ble Bailer Air Displacemen Submersible		Waterra Rediflo pump raction Pump	•• • •	Sampling Method:	Disposable Bailer Extraction Port Dedicated Tubing	
16pm	$(a) \otimes (b)$	20				Diameter Mult 1" 0.04	iplier Well Diameter 4"	Multiplier 0.65	
	Gals.) X	3 Decified V	$\frac{1}{1}$ = $\frac{1}{2}$	Ge <u>3</u> Gala		2" 0.16 3" 0.37		1.47 radius <sup>2</sup> * 0.163	
			Cond.			1			
Time	Temp (°F)	pН	(mS/cm or	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	DTW Observations	
$\sqrt{82.3}$	· <i>B</i> H	8.03	662	>/000	5,84	78	3	à26,10	
0826	72.4	7.90		201	5.65	73	6	226,14	
6829	78.2	7.85	697	134	5,61	70	9	226116	
0832	72,1	7.83	699	120	5.55	68	IZ	226.17	
0835	72.0	7,81	698	121	5,53	66	15	226,17	
0839	7210	7,80	696	119	5,51	64	19	226.17	
Did well de	water?		Yes (	No	Gallons ac	tually evac	cuated: 19		
Sampling D	ate: /	olas	-/17	Sampling	Time: 09	340	Depth to Wate	r: 226,17	
Sample I.D.	: Mu	-13	3		Laborator	y: BC			
Analyzed fo	r: S.e.	e( 1	OC				Other:		
EB I.D. (if a	applicab	le):		@ Time	Duplicate	I.D. (if app	olicable):		
FB I.D. (if a	pplicab	le):		@ Time	Analyzed	for:			
D.O. (if req'	d):		Pre-purge:		mg/L	Post	t-purge:	mg/L	
O.R.P. (if re	eq'd):		Pre-purge:		mV	Post	t-purge:	mV	

¥ms/msD

Project #:	1710)	3-14	1111	-	Site: JPL				
Sampler:	44				Date: 10/24/17				
Well I.D.:	mu-	15			Well Diameter: 2 3 4 6 8				
Total Well I	Depth (T	D): 7	14,00		Depth to Water (DTW): $44.90$				
Depth to Fre	ee Produ	ict:			Thickness of Free Product (feet):				
Referenced	to:	(VC)	Grade		Flow C	ell '	Туре		YSI 556
DTW with 8	[(Height of	Water Col	umn x 0	0.20	) + DTW]	50.72	unite and a state of the state		
Purge Method: Bailer Disposable Bailer 2" Positive Air Displacement Electric Submersible						-		Sampling Method: Other:	Bailer Disposable Bailer Extraction Port Dedicated Tubing
B <del>A</del> -	26PV	na)	208			Well	Diameter Mult " 0.04	plier Well Diameter 4"	Multiplier 0.65
	Gals.) X	२	Ē	57 Gals		2	" 0.16	6" Other	1.47 radius <sup>2</sup> * 0.163
1 Case Volume	Spo	ecified Vo	olumes Calcu	lated Volume	5.				
Time	Temp (°F)	pH	Cond. (mS/cm or (µS/cm)	Turbidity (NTUs)	D.O. (mg	7/L.)	ORP(mV)	Gals. Removed	DTW Observations
1213	69,8	7,50	536	8	1	3	113	10	45.73
1218	70.3	7.48	533	7	2.9	5	109	20	45,91
1723	70.6	7,45	531	6	2.9	R	105	30	45.97
1228	70.5	7.44	529	6	2.90	2	103	40	45,99
1233	70,4	7,41	587	6	2.82	8	101	50	45,99
1238	70.3	7,40	586	6	2.86	- 0	100	60	45,99
Did well dev	water?	•	Yes (	No	Gallons	s act	tually evac	uated:	57
Sampling Da	ate: 10	1241	1(7	Sampling	Time:	12	39	Depth to Wate	r: 45,99
Sample I.D.:	: mw-	-15			Laborat	tory	: BC		
Analyzed fo	r: See	$-C_{10}$	i.C				<u> </u>	Other:	
EB I.D. (if a	pplicabl	e):		@ Time	Duplica	ate I	.D. (if app	licable):	
FB I.D. (if a	pplicabl	e):		@ Time	Analyz		or:		
D.O. (if req'	d):		Pre-purge:		<sup>mg</sup> /	Ĺ	Post	-purge:	mg/L
O.R.P. (if re	q'd):		Pre-purge:		mV	7	Post	-purge:	mV

\*m\$/msD

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Project #: 171013 - 1+ H1		Site: JPL					
Sampler: HH		Date: ʃ Ø	125/1	7			
Well I.D.: MW-16		Well Diam	eter: 2	3 (4) 6	8		
Total Well Depth (TD): 784,78		Depth to Water (DTW): 277,30					
Depth to Free Product:		Thickness of Free Product (feet):					
Referenced to: (PVC) Grade		Flow Cell	Гуре		YSI 556		
DTW with 80% Recharge [(Height of	Water Col	umn x 0.20)	) + DTW]	:278,79		]	
Purge Method: Bailer Disposable Bailer Positive Air Displacemen Electric Submersible		Waterra Rediflo pump raction Pump		Sampling Method:	Disposable Bailer Extraction Port Dedicated Tubing		
16pm @ 0919		1'		4"	0.65		
$\frac{4.9}{1 \text{ Case Volume}} (\text{Gals.}) \times \frac{3}{\text{Specified Volumes}} = \frac{16}{\text{Calculation}}$	1,7 Gals	5. 2 <sup>1</sup> 3'		6" Other	1.47 radius <sup>2</sup> * 0.163		
1 Case Volume Specified Volumes Calcu		I L			J	1	
Time (°F) pH (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	DTW Observations		
0922 75.56.98 721	>1000	4,85	92	3	278,31		
0924 75.97.21 735	601	4173	90.	5	278,35		
0926 7612 7.23 740	135	4.71	87	7	278.37		
0929 76,37,25 725	124	4,67	85	10	278.38		
0931 76,17,26 726	IRR	4,66	84	12	278,39	4	
0934 76,27,26 724	IRO	4,63	82	15	278,37	4	
						-	
Did well dewater? Yes (	No	Gallons act	tually evad	cuated: 15			
Sampling Date: 10 / 25/17	Sampling	Time: 09	35	Depth to Wate	r: 278,39		
Sample I.D.: MW-16 Laboratory: BC							
Analyzed for: See C.O.C	Other:	e	0945				
EB I.D. (if applicable):	@	Duplicate I.D. (if applicable): DUP-7-4Q17					
FB I.D. (if applicable):							
D.O. (if req'd): Pre-purge:		<sup>mg</sup> /L	Pos	-purge:	mg/L		
O.R.P. (if req'd): Pre-purge:		mV	Pos	Post-purge: m			

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MW-3 WELL ID: 10 SAMPLING DATE(S) JPL LOCATION: 75.61 WATER LEVEL INSIDE CASING: ATM. PRESSURE (PSI): (Start) 14.08 (Finish) 14.09

PROBE TYPE	Westbar	
SERIAL NO.	MS8502	
PROJECT:	SPL	 
OPERATOR(S)	T. Hoan	
WEATHER C	lan	

		Probe to Top Collar		Function Ter top of collar)							tion Checks port in MP casing)				I	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 (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>0</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm) MSIL	ORP (mv)	Sample Time	Sample ID	Ç
5	1	$\mathbf{V}$	1/	2/	1/	V	226,6	511	221,06	v	229,06	V	226,65	21.8	581	828	21	5.09	130	1135	mw.3-5	
4	1	V	V	1	1/	V	185,3	フレ	158150	1	188.50	V	185,37	20,4	575	8.14	42	4,73	145	1815	MW-3-4 MW-3-2 MW-3-2	
3	1	V		V.	V	V	93,01	V	96,75	V	96.75	V	93.01	20,0		8.45	6	5,63	167	1245	mw-3-2	
2	1	V	V	V	V	V	52.04	V	96,75 56, <del>8</del> 6 24,71	V	56,56	V	52,04	21.4			3	6,15	142	1305	MW-3-2	
Ĩ	1	V	$\overline{V}$	V	V	V	17,18	V	24,71	V	2471	V	17,18	20,0	563 450	8.50	2	6,25	159	1330	mw-3-7	
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Corr	iments:	EB SB-	-5-10	<u>5201</u>	70	134	0						1			1						 

WELL ID: MW-4	PROBETYPE (Destbur
SAMPLING DATE(S) $10/23/17$ LOCATION: $TPL$	SERIAL NO. EMS 2502 PROJECT: JPL
WATER LEVEL INSIDE CASING: 152,24	OPERATOR(S) T. HOAVE
ATM. PRESSURE (PSI): (Start) /4/10 (Finish) 14/12	WEATHER CIPCON

		Probe to Top Collar			sts / Position ) / (lower pro						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 (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>o</sup> C)	SC (µS/cm)	pН	Turbidity (NTU)	Dissolved Oxygen <del>(ppm</del> ) MGIL	ORP (mv)	Sample Time	Sample ID	
51		-	V	V	V	V	76.0	7   V	178,99	V	17899	V	176,09	19,5	970	7.85	16	3.96	-65	0740	mw-4-5	
4		V	$\nabla$	$\mathbf{V}$	V	V	23,3	V		$\overline{V}$	26,53	V	123.31	19.6	924	8,22	18	4.35	-40	6800	mw-4-4	
3	<u>]</u>	V	V	V			92,77		96,04	V	96,24	V	72,77 56,97	20.7	1023	815	105	5,39		6830	mw-4-3	
a	1	_V_	$\mathcal{V}_{\mathcal{A}}$		$V_{-}$	$ V\rangle$	5691		60,62	$\nu$	60,62	$\mathbf{V}$	56,97	22.3	1178	7.62	13	6.05	79	M30	mW - 4 - 2	
		V	$-V_{-}$	V	V		17160	<b>↓ </b> ^	24,27		24,27	$\mathcal{V}$	17.62	B.R.	412	\$13	10	5,76	58	1000	MW-4-1	
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MU-4-3 - Very turbid - Ven'ted port VV

WELLID: MW-11	PROBE TYPE Westhan
SAMPLING DATE(S) /0/26/17	SERIAL NO. EMS 2502
LOCATION: JPL	PROJECT: JPL
WATER LEVEL INSIDE CASING: 171,25	OPERATOR(S) T. Hoars
ATM. PRESSURE (PSI): (Start) 4.10 (Finish) 14,12	WEATHER Clear

			Probe to Top Collar		Function Tes top of collar)							ction Checks port in MP casing)				F	Field Parame	ters				Sample	
-67	Jaguinn 1104	Run Number	Arm out / Land Probe	Shoe Out <sup>/</sup> Close Valve <sup>/</sup> Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Fand 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 ( <sup>0</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)- MG[L	ORP (mv)	Sample Time	Sample ID	$\dot{\mathbf{C}}$
1	8	1	$\underline{V}$	$ V\rangle$	V	$V_{-}$	$\bigvee$	14117	M	21.93	$\mathbb{N}$	21,93		11 / / /	18:1	698	7.89	a	5.19	151	0750	mw-11-4-in	1-11-1
		2	$-V_{-}$	$V_{\ell}$	V	V	V	14,15	M	2191	V	21,91		14,15		- 1:17		ļ				MN-11-1	-
	3		$\overline{\mathbf{V}}$	$\vee$	_V	V	K	219,22	М	19860	v	198.62	$\mathcal{V}$	219,22	191	347	8135		6.05	172	0845	MW-11-5	•
_		2				V	V	219.20		<u> 98.61</u>	V	198.61	V	219,20	2	0.011			1 0	04	6052		
L	****		V	V		V	V	170,95	14	<u>163,33</u>		163.35	V		20,7	264	8.41		635	-88		mw-11-4	-
	3	1	V		-V		V	30,29	V	119.92	$\underline{N}$	119.92	$\overline{V}$	30.29	115	422 462	7.43	23	6.59 665	154		mn-11-3	-
H	2		<u> </u>					56.31		4118	V	49,18		56,31	22.7	962	7,85	3	665	-29	030	MW-11-2	-
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WELL ID:	MW-12	
SAMPLING	ATE(S) 10183/17	
LOCATION:	JPL	
WATER LEV	EL INSIDE CASING: 134,75	
ATM. PRESS	URE (PSI): (Start) 14,16 (Finish) 14,18	

PROBE TYPE	Westbor	
SERIAL NO.	Ems 25021	······································
PROJECT:	SPL	
OPERATOR(S)	TI HOara	
WEATHER (	leav )	

		Probe to Top Collar		Function Te top of collar					Sample (probe at sam	Colle pling	ction Checks port in MP casing)	1			I	ield Parame	ters				Sample	7
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Shoe Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ ‡and 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 ( <sup>0</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
Б	1		V	V	V	V	1991,05	V	176,50	V	176.50	V	1991.05	22,1	472	8.37	11	6,59	113	1105	mw-12-5	-
4	1	$\checkmark$		V	V	V	150,00	N	136.00	V	136.00	V	150,22	21.5		8.65	8	6.73		/130	mw-12-4	-
	2	$\mathbf{V}$		1/	11	1/	150,26	N	135,95	V	135.95		150.26						40	150	111 <u>1</u> 1 <u>1</u>	-
3	1	$\overline{\mathbf{V}}$	1/	Ĩ/	11	V	101,08	V	87.98				101.08		437	8.33	8	6.60	136	1230	MW-12-3	-
a	1	$\mathbf{\mathbf{x}}$	1	V	1	1/	66.03	V	53,94		53,94	V/	66,03	25		8,26	6	6:60 5,45	148	-		-
Ĩ		V	1/	1/	1/	1/		Ń	14.38	$\dot{\nu}$	14.38	V	756	pro-	510		10	7.15	110	ASC.	MW-12-2	141
	_ <b>J</b>		V			<b>V</b>	$\mu_{20}$				19,14	-	17,56	Tor	LIZA	$\gamma = 0$	<u>ر ۲۵ ک</u>	enpl.	Tak-M		MAW-12-1-H	-
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WELLID: MW-14	PROBE TYPE (1)estbar
SAMPLING DATE(S) 10/ 117	SERIAL NO. EMS 2507
LOCATION: JP2	PROJECT: JDL
WATER LEVEL INSIDE CASING: 192,97	OPERATOR(S) THORE
ATM. PRESSURE (PSI): (Start) H. () 2 (Finish) 14106	WEATHER Clean
	<b>—</b> ••

		Probe to Top Collar			sts / Position ) / (lower pro						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 Valve/ Apply Vacuum (5 psl)	Close Valve/ Shoe In/ Arm in	Locate Port/ Arm Out/ And 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 ( <sup>0</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen - <del>(ppm)</del> MAL	ORP (mv)	Sample Time	Sample ID	
5		$\overline{\mathcal{N}}$	V	V	V	V	170,16	V	156,54	V	156,54	V	1-ma 11	18.7	403	271	2	Gill	178	0730	mw-14-5	
4	Ì	V	V	$V_{-}$	V	V	133,51	V	120,31		120.31	V	133.51	1911	701	7,83	Ì,	6.01	175	1	mw-14-4	
3		$-\vee$	V	V	V		101.13	4	88:25	V	-88ia5		101.13	105	1134			648	170		mw-14-3	
Å_			-1/-	$\vee$	V	1/	55, <u>7</u> 2	М	42.75	V	\$2,75	V	55.32	20,8	1213	7.97	$\hat{\lambda}$	6,90	163		MW-14-2_	
ľ			~	<u> </u>			21.31	V	14,23	V	14,23	V	21,31	- Por	FISP	y-,	Nos	anple	Tolat	n —	mw-14-1-	
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WELL ID: M/W-17	PROBE TYPE Westhan
SAMPLING DATE(S) 10/18/117 LOCATION: TPL	SERIAL NO. EMS 2502 PROJECT: TPJ
WATER LEVEL INSIDE CASING: 205.25	OPERATOR(S) T. Hacen
ATM. PRESSURE (PSI): (Start) / 7/0 / (Finish) M110	WEATHER (leav

		Probe to Top Collar		Function Te top of collar							tion Checks port in MP casing)	)			-	Field Parame	ters				Sample	
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 pst)	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	y Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen <del>(ppm)</del> MG/L	ORP (mv)	Sample Time	Sample ID	
5			V	$ V\rangle$	V		241.06	,V	215.71		815.71	v	241.06			7.52	2	5,91	173	08/0	MW-17-5	
4			$\mathcal{V}$	V	V	V	178.65	510			158,89		178.65		697	7,88	2	635		0845	mw-17-4	
3	1			+V	$ V\rangle$	V	129.20	_			10,54		129.20	8.8	873	7.90	3	6.49			mw-17=3	
2	<u> </u> ]_					V.	56.68		69.83		69.83	V	86.68	18.7		8:20		655	160	<u> 0935</u>	MW-17-2	
<b> </b> -					$ $ $\checkmark$	V	34,39			K	19,59		34,39	P1.3	439	8:35	2	6.65	156	1005	$m_{W} - 17 - 1$	
	2		V		$ert \mathcal{V}$		34,35		19,60	ľ	19,60		3435									
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WELL ID: MW-18	PROBE TYPE Westburg
SAMPLING DATE(S) 10/18/17	serial no. <u>FMS R 502</u> project: <u>5PL</u>
WATER LEVEL INSIDE CASING: $3,94.90$ ATM. PRESSURE (PSI): (Start) 13,94 (Finish) 403	OPERATOR(S) TI Horang WEATHER Clean

		Probe to Top Collar	Surface (probe in	Function Te top of collar	ests / Position r) / (lower pro	Sampler be to port)			Sample (probe at sam	Colle pling	ction Checks port in MP casing	)				Field Parame	ters				Sample	
O Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Vatve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	K 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) WSLL	ORP (mv)	Sample Time	Sample ID	
5	1	V		V	V	V	188,24	V	152,23	V	182.23	V	188,24	3HI	312	8,61	3	7,05	-61	14.5	mw-18-5	
4	1	V	V,	V,	V	V	13592	V	135.58		135.58	V	135,92	12.5	464	7.35		6,09	124		mw-18-4	
3	ì			V	1/	1/	7496	N	18,67	V	18.67	V	74,96	23.2	550	8.10	3	6.39	131	1245	MW-18-7 MW-18-3	
	à			V	1	1/	74,9	N	8,09	IV	18,09	V	ZIAN	1	000	pyo			101	1210	1110-10-3	-
a	1	$\mathbf{V}$	V	V	1/	1	34,04	И	36.92		36,92		34.04	23 N	341	8:32	4	119	11/0	1245	MW-18-2	
	2	$\overline{\mathbf{V}}$	$\overline{\mathbf{v}}$	1/	1/	1/		N	36.93	V	36.93	$\nabla$	34,02	p2/0_	- 10	o a		(0.) 1	He	SD	VIV-10-2	-
11	MX.	V	V	V	V	V		V	14.11	r			14,09	-po,	Him		No	Carro	e Tala	070 -	may. 1 C 1	HA-
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WELL ID: MW-19	PROBE TYPE (1) les that
SAMPLING DATE(S) 10/16/17	SERIAL NO. EMSA502
LOCATION: JPL	PROJECT: SPL
WATER LEVEL INSIDE CASING: 35,11	OPERATOR(S) THOOMS
ATM PRESSURE (PSI): (Start) 19,07 (Finish) 19,09	WEATHER Clean

Core valver Apply Vacuum (5 pst) (5 ps	Casing (psi) Shoe Out Port Pressure (psi) Open Valve Port Pressure (psi)	Close Valve/ Shoe In Pressure In MP Casing (psi)	Sample Temp SC ( <sup>o</sup> C) (µS/cm)	Turbidity	Dissolved Oxygen ORP	Sample Sample ID	
$\sqrt{\sqrt{1725}}$	24 1138,23 1128,22				ns/L (mv)		
		SVIR,24	253615	795 3 (	6.39 106	1235 MW-19-5	1
V V 1700	24 138,23 138,23 46 114,90 114,90 70 198,15 198,15	V 148,41	5,5 677	8135 2	209 114	1315 MW-19-4	
1/1/1/25:	70 198,15 198,15	V 125,70	\$5,3 793	FI1 2 6	05/60	1335 mw-19-3	1
VVV92.0	04 64,43 V 64,43 87 V 34,56 V 34,56	VR:04	25.11164	7.90 2 6	SIRY 169	1425 MW-19-2	]
VVV60,8	87 134,56 134,56	V60,87	\$5.3 673	8,24 1 6	,05 129	1445 MW-19-1	]
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WELL ID: MW-20 SAMPLING DATE(S) 10/16/17 LOCATION: JPK - Church Partic Lot 239,76 WATER LEVEL INSIDE CASING: 4,09 (Finish) ATM. PRESSURE (PSI): (Start)

PROBETYPE / Vestbour	244
SERIAL NO. EM5 47625	SOZ
PROJECT: JPL	
OPERATOR(S) T. Hoang	
WEATHER (lean	

		Probe to Top Collar			ests / Position r) / (lower pro						ction Checks port in MP casing	)				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/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>o</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen <del>(ppm)-</del> Mcj /L	ORP (mv)	Sample Time	Sample ID	
5	1		V	V	V	V.	306,69	V	26:45	V	30642	V	306,09	19.7	421	695	2	211	-45	1830	MW-20-5	1
4		LV,	$\vee$		V	V	219,20	N	209,70	V	209.70	V	219,20	2018	331	6.95	1	6,69	-90	0910	MW-20-4	1
3		$\downarrow V_{r}$		V		$\overline{\mathcal{N}}$	159,11	N	<u>149,78</u>	V	149.18	V	191,11	27.8	349	8.87	2	5,23	-118		mn-20-3	1
	2	LV.		V,	V.	$\vee$	159.07			V	149.79	V	159.07				- ce-t					
2	<u>                                     </u>	$ V_{f} $		V	V	V	84.92	М	82.31	V	82,31	V	84.92	3,7	682	8121	2	5,05	44	1045	MN-20-2	
						V	14.89	М	14,19	V	14,19	V	14,29	-1	2010+1	sdr		10 sam	ple	145	mn -20 - (-	6414
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Com	ments:	TB-	-1-1	016	170	207	00	<u> </u>			<b>.</b>			i			l			L		
	-	<u>- 100-</u>	1-19	Q[]	$\underline{(9)}$	"/U-	20-3	G	109	15	ラ											

WELL ID: MININ-SAMPLING DATE(S) LOCATION: 15 WATER LEVEL INSIDE CASING: ATM. PRESSURE (PSI): (Start) 19 (Finish)

PROBETYPE URSTBUY	
SERIAL NO. <u>FIMS &amp; SOZ</u>	··· .
PROJECT: JPL	
OPERATOR(S) / Joan	

		Probe to Top Collar			sts / Position ) / (lower prol						tion Checks port in MP casing)				F	ield Parame	ters				Sample	]
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ 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 ( <sup>0</sup> C)	SC (µS/cm)	pН	Turbidity (NTU)	Dissolved Oxygen <del>(ppm)</del>	ORP (mv)	Sample Time	Sample ID	
5	)	V	$\mathcal{V}$	V	1/	V	129,53	V	131,78	V	131,78	V	129,53	23,9	808	8:35	4	5.37	144	1130	MW-21-5	
	2	V	V	V	1/	V	129,48		131.80		131,80	V	129.48	1	000	105						1
4	1	$\overline{\mathbf{V}}$	V	V		FI	103.54	'N	184,96	-	04.96		103.54		962	8,50	2	6.05	143	R10	mw-21-4	
3	1	V	V		V	V	13,20		75,1a	V	TAIA	V	73,22	23.0	1214	eng	à	5A5		1235	MN-21-3	1
A	T		V	V	V	V	38,87	V	41.03	V	41.03	V	73, 22 38, 87	5.3	1286	816	1	5,63	164	1300	mw-21-2	1
	2	V		V	1/		38.88	Ń	41,04	V	41.04	V	38,88	1010				2100	100	1.200		
	1		V/	Ň	1/	1/	14.04	M	14.07	V	14,07	$\dot{V}$	14,04	-nut	is dr	l-r	6 51	mple	oken		10101 21	AR
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		ms	[m.	5 p (	a n	1W -	-21-2						· · · · · · · · · · · · · · · · · · ·	·····								-

WELLID: MW-22	PROBE TYPE (Nestbar	
SAMPLING DATE(S) 10/19/17	SERIAL NO. EMS 2502	
LOCATION: JPL	PROJECT: JPL	
WATER LEVEL INSIDE CASING: 174, 53	OPERATOR(S) T. HOGING	
ATM. PRESSURE (PSI): (Start) 14/01 (Finish) 19103	WEATHER (less	

		Probe to Top Collar			sts / Position ) / (lower prol						tion Checks port in MP casing)				Ŧ	Teld Parame	ters				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/ Pand Probe	Pressure in MP Casing (psl)	Shae Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>0</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen fppmf MS/L	ORP (mv)	Sample Time	Sample ID	i.
5	1	V	V	V	V	V	146.75	.V	171.46	V	171,46	$\checkmark$	195.94	19.9	578	F.30	3	5.96	-145	0740	MIN-22-5	
4	)	1/	1/	1/	1/	1/	143,40	_	120.44	V	120.44	V	143.40			692	え	634	79	0815	MW-22-5 MW-22-4	٦
3	1	V	V	1/	1/1/	1/	109.56	+ 2	88,53	1	88,53	V	109,56	17.8	488	7.48	R	634 645	149	0840	MW-22-3	1
-	à	<del>`</del>	1	1	17	V	109.55		88.52	V	88.52	V	109.55	1	100		$\sim$	En 19				1
2	2		1/	1/		V	8304	Й	62,43	V	62.43	V	83.04	17,6	613	7.72	3	6,83	170	0945	MW-22-2	1
~	え	$\overline{\mathbf{V}}$	1	V	1	V		V	62,44	V	62,44	$\mathcal{V}$	82.95			<u></u>						1
1	ĩ	V	1/	1/	1/	1/	45.75	V	26,29	V	26,29	V	45.75	18.9	1188	7,43	R	656	179	1015	MW-22-1	1
-	-	V					12010							12 1				<b>U</b> IZ C	- <b>k</b> š}		<b>.</b>	1
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Com	ments:	TB-	4-10	1917	7 640	570	$\overline{\mathbf{c}}$					n	ns/m	$s_{D}$ a	J m	W-Z	2-2	•				_
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		pur.	<u>4-40</u>	470	2) M	W-2	2-3	ට	08.50	2												

WELL ID: MW-23	PROBETYPE (Les Hour	
SAMPLING DATE(S) /0/20/17	SERIAL NO. EMS 2502	
LOCATION: DIPL	PROJECT: JPL	
WATER LEVEL INSIDE CASING: 126.95	OPERATOR(S) THACAS	
ATM. PRESSURE (PSI): (Start) /4/17 (Finish) 14109	WEATHER CLEAR	

		Probe to Top Collar			sts / Position ) / (lower prol						ction Checks port in MP casing)				I	Field Parame	ters				Sample	
Port Number	Run Number	Arm out / Land Probe	Shoe Out <sup>(</sup> Close Valve <sup>(</sup> 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 ( <sup>o</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm)_ Mm I L	ORP (mv)	Sample Time	Sample ID	
5	1	$\overline{V}$	V	V	V				180,08	Ī	180,08	V	196,05	201	442	7.95	3	6,05	-127	0745	mw-23-5	
4			V	V	V	$ V\rangle$	153,86			V	137.90	V	153.86	19.8	403	8.17	2	5.31	43	0815	mw-23-4	
3			V	$\bigvee$	V	$\vee$	99,40	51	86,12	1	86,12	$\vee$	99,40	1915	535	810	à	5.75	103	0840	MW-23-3	
2	1	V	$V_{-}$	$\mathcal{V}$	V	V	7110	V	38,04		58.04	V	71.10	A15	1136	7.82		606	129	0900	mw-23-2	_
		-	ert	$-V_{-}$	V	1V	36,43	V	24,45		24.45	V	36,43	19.3	1206	7,35	2	5.60	105	0945	mw-23-1	4
	5	V		V		V	36.43	V	24,46	Y	24,46	V	36,43									4
	3	V				V	36190		84,45	V	24.45	V	36.40				7					-   ·
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	WELL ID: MW-29	PROBE TYPE Westbar
<b>*</b> :	SAMPLING DATE(S) 10/19/17	SERIAL NO. EVA 52302
	LOCATION: JPL	PROJECT: JPL
	WATER LEVEL INSIDE CASING: 216.44	OPERATOR(S) TO 110000
	ATM. PRESSURE (PSI): (Start) 17103 (Finish) 4105	WEATHER CI CON

	Probe to Top Collar		Function Tes top of collar)							tion Checks port in MP casing	1)			I	Field Paramet	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 (ps!)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>o</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen (ppm) MG 1 L	ORP (mv)	Sample Time	Sample ID	
51		V	V	$\mathcal{V}$		21845		195.88	V	195,88	' V	R18.45	33.3	455	7.81	a	533	39	<i>j 5</i> 0	mw-24-5	
41		$\bigvee$	$\mathbf{V}$	V	V	164.97	V	145,04	$\vee$	145,04	V	164,97	27.7		8146	j	4,89	-171	1120	mw-24-4	
31	1V	V.	$\mathbf{V}$	V	V	113,31	V	95,81	$\vee$	95.81	V		23.1	467	609	R	5,69	-165	1215	MW-24-3	
al	V	Ĭ.	Ĭ.	V	V	86.44	V	69,15	M	61,15	V	86,44	23.2	674	7.25	3	4,31	125	1245	MW-24-2 MW-24-1	
	V	$\nabla$	V	V		45.63	$\mathbb{N}$	50,14	И	30,14	V	45.63	23.3	755	7.97	1	5.81	122	<u>1330</u>	MW-24-1	
2	$\downarrow V$	V	V	-V-		45,66	V	30.13	Ľ			45,66									4
3		$\sim$	V	V		45,63		30,13		30,13		45,63									
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Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

WELL ID: SAMPLING DATE(S) 0 LOCATION: SPL 44,3 WATER LEVEL INSIDE CASING: 5 14.12 ATM. PRESSURE (PSI): (Start) 14,10 (Finish)

PROBE TYPE	Westboy	
SERIAL NO.	EMSASCA	
PROJECT:	SPC	
OPERATOR(S)	T. Hoang	
WEATHER C	leen	

		Probe to Top Collar		Function Test top of collar								tion Checks port in MP casing)				F	ield Parame	ters				Sample	]
Port Number	Run Number	Arm out / Land Probe	Shoe Out Shoe 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)	Stor Out	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>o</sup> C)	SC (µS/cm)	рН	Turbidity (NTU)	Dissolved Oxygen <del>(ppm)-</del> MG/L	ORP (mv)	Sample Time	Sample ID	
5		V	$\vee$	V	$\overline{\mathbf{v}}$		222.0		٧,	205,85	N	20585	V	222,26	2417	427	8:30	3	5,66	-189	1040	MW-25-5	
4	1	$\vee$	V	$\checkmark$	$\vee$	J.	187.	74	Y,	170,49	V	170,49	V	187,74	24.4	783	\$i09	a	631	44	1110	mw-25-4	]
3	}	$\bigvee$	V	V	V		131,1	51	V,	117,98	И	117,98	V	131,15	24.3	25	8120	à	7,15	126	1140	MW-25-3	
3	Ì	$\sim$	V	V	$\mathbf{V}$	V	967	61	V	\$7,43	V	87,43		100 -0	deil	758	8:37	3	7,26	117	1155	mw-25-2	]
	a		V	V	V		96,7	31	18	87,42	M	87,42	$\checkmark$	96.73						- <del>7</del> -1			]
1	1	$\checkmark$	$\bigvee$		V	V	18:00	2/ 1	V	61,18	V	61.18	V	68.21	37.0	918	796	え	7,54	115	1245	MW-25-1	
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WELL ID: MW-26	PROBE TYPE (1) of those
SAMPLING DATE(S) /0 / 18 / 1 /	SERIAL NO. EMS 2562 PROJECT: SDL
WATER LEVEL INSIDE CASING: 66, 123	OPERATOR(S) T. Hocera
ATM. PRESSURE (PSI): (Start) /9/0/ (Finish) /9, 09	WEATHER (less)

		Probe to Top Collar	Surface (probe in	Function Te top of collar	ists / Position r) / (lower pro	Sampler be to port)			ú	Sample probe at sam	Colle pling	ction Checks port in MP casing)	)		1		Field Parame	eters		7			
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' And Probe	Pressure in MP Casing (nsi)		shoe Uut	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Vaive/ Shoe In	Pressure in MP Casing (psi)	Sample Temp ( <sup>0</sup> C)	SC (µS/cm)	pН	Turbidity (NTU)	Dissolved Oxygen 	ORP (mv)	Sample Time	Sample ID	
2			$\vee$	$\mathcal{V}$	V	V	87.0	28V	15	8.36	$\overline{\nu}$	58,36	$\overline{V}$	87.28	249	842	£26	.3	m/L 6,09	128	15/5	1011-21-2	-
1	i			1	1/	V	47,2	521	12	361	V	23.61	V	47.52	24,3	735	7.79	2	6,56	137	1535	MW-26-2 MW-26-1	-
										~~~					K 112	120	11/1		0/20	12,	1355	VV/VV-26/1	-
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