This attachment contains water level measurements for the JPL relatively shallow standpipe monitoring wells (MW-1, MW-5 through MW-10, MW-13, MW-15, and MW-16) and the Westbay<sup>™</sup> multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26) obtained during the 4<sup>th</sup> Quarter 2018. Water level measurements were recorded before the sampling event on October 12, 2018 for the relatively shallow standpipe monitoring wells and October 12, 17, 18 and 23, 2018 for the Westbay<sup>™</sup> multiport wells. Water level measurements were recorded after the sampling event on October 26, 2018 for the relatively shallow standpipe monitoring wells and October 26, 2018 for the Westbay<sup>™</sup> multiport wells. Water levels for the shallow wells were measured using a Solinst<sup>™</sup> water level meter. In the deep multiport wells, the hydraulic head at each sampling port was measured with a Westbay<sup>™</sup> MOSDAX sampling probe. Water level measurements were conducted by Blaine Tech Services, Inc.

Note: During the fourth quarter 2018, the shallow standpipe well MW-13 was inaccessible due to ongoing construction activities.

# WELL GAUGING DATA

Project # 18/012-14th Date 10/12/18 Client Trefewater

Site JPL, Pasadenas CA

				Dutt	Thickness	Volume of		Depth to	Survey
	Well Size	Time	Sheen /	Depth to Immiscible	of Immiscible	Volume of Immiscibles	Depth to water	well bottom	Point: TOB
Well ID	(in.)	Gauged	Odor	Liquid (ft.)	Liquid (ft.)	Removed (ml)	(ft.)	(ft.) Dect	or POC
MW-1	4	6930					41,61	punp	
MW-5	4	1405					13/,10	Ped pump	
MW-6	4	1055		5 5 5 1		5 2 7 5 5 6	DRY	232,80	<u> </u>
MW-7	4	1339		1 1 1 1 1 1		, ; ; ; ; ;	DRY 2	63,91	(Top of pump)
MW-8	ഠ	1355		5 5 5 5 5 7		i 1 1 1 1 2	19674	Ded pump	
MW-9	4	0935		7 5 6 6 8 8	1 1 1 1 1	1 1 2 1 1 1	36,73	Pec) pump	
MW-10	4	1211	2 2 4 4 4	1 1 1 1 1 1	5 5 1 6 6 7	1 1 1 1 1 1	146115	pump	
MW-13	(	inable	etoa	c(ess)	thet	constr	uction		
MW-15	4	1243	1 7 2 5 5 6	5 5 5 5 5 5 5 5 5 7	1 5 7 7		47,38	p-eq pump	
MW-16	4	1350			1 1 1 1 1 1		284.60	284,81	V
1 1 1 1 1 1 1	2 1 1 1 1 1 2 1	1 1 1 1 1 1 1	† 5 5 1 1 1	1 5 8 4 8 8 8 8	1 1 1 1 1 1		* * * *		
7 7 1 1 1 2 2 2	5 5 5 5 7 8	8 5 8 9 5 9	5 5 7 8 8 8	5 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 1 1 1 1 3	1 4 1 1 4 4			
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 3 3	1 7 8 6 8	1 1 1 1 1	1 6 6 9 9	t 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 5 6 8 8			
	2 2 5 5 5 6 3	5 5 5 5 5 5		4 4 4 4 5 5 5	E E E E E E				
	4 4 4 4 5	2 5 5 7 7 8	2 2 3 2 2 2 2 2					1 1 1 1 1 1 1 1 1	
<u></u> 1 1 1			1 1 1 1 1 1	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5 5 3 4 4 4				
	- - - - - - - - - - - - - - - - - - -	4 5 8 9 8 8 8	5 5 5 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

	WELL ID:	MW-3				PROBE TYPE	Westbay Sampler 0-500psi		
	DATE:	0/12/18				SERIAL NO. EMS	502		
	LOCATION:	JPL				PROJECT	JPL Pasadena		
	ELEV. TOP OF	WASTBAY CASING		1100.34		OPERATOR(S) / Ho	A State of the second		
	WEATHER:	year				ATM. PRESSURE (Patm): (	start) /410] (1		
	DT	W-175	.5['			Temp:	72,27°C	20.49°C	
					r	Pressure Head Outside	Depth to Water Outside	True Port Donth ( Dn )	
From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	(ft)	Time
653	650	221,127	221.41	221.67	22,53	476.16	176.84	653	6946
558	556	180.40	180,16	180.40	22,82	383.31	174.69	558	0948
346	343	88.19	88.53	88.19	21,93	171.92	174.08	346	0950
252	250	47,30	48.45	47,30	21.26	79.45	172.55	252	0952
172	170	14,13	17,32	14,13	20.23	7.64	164.36	172	0954
	-								
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							alan an a		
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	1								
	-								
	Depth ( Port V From Log (Dp) 653 558 346 252	DATE:   I     LOCATION:   ELEV. TOP OF     WEATHER:   DT     Depth to Meas.   POT     Port Valve (ft)   From     Log (Dp)   Cable     653   656     558   556     346   348     252   250	DATE: 0 12/18   LOCATION: JPL   ELEV. TOP OF WASTBAY CASING   WEATHER: Clear   DTW-175,   Depth to Meas.   Port Valve (ft)   From From   Log (Dp) Cable   653 656   558 556   346 348   252 250	DATE:   0   12/18     LOCATION:   JPL     ELEV. TOP OF WASTBAY CASING     WEATHER:   Clear     DTW-175,51'     Depth to Meas.   Pressure Re     Port Valve (ft)   psi     Log (Dp)   Cable     653   656     558   556     346   343     252   250	DATE: 0 12/18   LOCATION: JPL   ELEV. TOP OF WASTBAY CASING 1100.34   WEATHER: Clean   DTW-175,51'   Depth to Meas. Pressure Readings (psi)   Port Valve (ft) psi   Log (Dp) Cable   653 650   653 650   653 650   756 180, 160   758 556   756 720, 41   757 720, 41   758 756   758 756   757 720, 41   758 756   757 720, 41   758 756   757 757   758 756   757 757   758 756   757 757   758 756   757 757   757 757   757 757   757 757   758 756   757 757   757	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Comments: Collar Detect is 2' above sample port

		WELL ID:	MW-4				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	123/18	•			SERIAL NO. EMS	2502		-
		LOCATION:	JPL				PROJECT	JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASING	3	1082.84		OPERATOR(S) TIA	oren		-
		WEATHER:	Jean	****			ATM. PRESSURE (Patm):	(start) 14,05 (1	finish) 14,06	• ·
		DTV	1-149,0	15			Temp:	71,50°C 1	9,80°C	•
		to Meas. alve (ft)		y	eadings (psi)	r	Pressure Head Outside	Depth to Water Outside		Į į
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth ( Dp ) ( ft )	Time
5	513	512	172,86	171,13	178.86	21,32	362.38	150.62	513	1045
4	392	390	120,04	118,71		21,59	241.45	150.55	392	1047
3	322	320	89,46	88132	89,46	21,36	171.34	150.66	322	1049
2	240	238	53,65	52,88	53,65	20,89	89.58	150.42	240	1051
1	150	148	14,20	16,44	14,20	1981	5.51	144.49	150	1053
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Comments: Collar Detect is 2' above sample port

			MW-11				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: 10	12/18	3			SERIAL NO. EMS	2502			
		LOCATION:	JPL				PROJECT	JPL Pasadena			
		ELEV. TOP OF	WASTBAY CASING		1139.3		OPERATOR(S)	tany			
	÷	WEATHER: (	-lear		17.17.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		ATM. PRESSURE (Patm):	(start) 13.97 (1	finish) 13.97		
		PT	-lear W-195	7.24			Temp:	22,020	20.47°C		
		o Meas. alvo (ff)			eadings (psi)		Pressure Head Outside	Depth to Water Outside			{
Port No.	From Log (Dp)	522 155,14 157,09 155,14 21					Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time	
5	639	638	204.58	191.18	204,58	22.16	408.82	230.18	639	1258	
4	524	522	155,14	157.09	155,14	2194	330.18	193.82	524	1300	
3	429	426	114,20	113,39	114.20	20.97	229.36	199.64	429	1302	
2	259	256	40.55	42,96	40,55	19,69	66.88	192.12	259	1304	
1	149	146	14.06	20.26	14.06	19,66	14.51	134.49	149	1306	
			•		1						
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-12			-	PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 16	12/18	· ·			SERIAL NO. EMS	2502		
		LOCATION:	JPL					JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING		1102.14		OPERATOR(S)	tong	*****	
		WEATHER:	Clean				ATM. PRESSURE (Patm):		inish) 14.01	
			pru-	159,48	n r		Temp:	24,112	2.208.0	
		o Meas. alve (ft)	psi	Pressure Ri kg/cm <sup>2</sup>	eadings (psi) mH <sup>2</sup> O	I	Pressure Head Outside	Depth to Water Outside	True Port Depth ( Dp )	(
Port No.	From Log (Dp)	From Cable	hai Inside Casing	Nyicin Outside Casing P2	Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	(ft)	Time
5	548	546	183.79	169.65	183.79	72.55	356.73	191.27	548	-1228
4	436	435	135,01	128.44	135.01	2164	263.97	172.03	436	1230
3	323	321	85.95	80,39	85,95	20,66	153.12	169.88	323	1232
2	243	241	5110	46,49	51,10	19,85	74.91	168.09	243	1234
1	140	138	14,09	14:08	14,09	19,02	0.14	139.86	140	1236
			• •	, .						
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										( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )

Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-14				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	12/18_				SERIAL NO. 6	2/18		
		LOCATION:	JPL				PROJECT	JPL Pasadena		•
		ELEV. TOP OF	WASTBAY CASING		1173.47		OPERATOR(S)	taan		•
		WEATHER:	Clear	and the second			ATM. PRESSURE (Patm);	in the second	finish) 13-99	•
			N-192				Temp:	25,68°C	20.53°C	• :
	Depth Port V	to Meas. ′alve (ft)			eadings (psi)	T	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth(Dp) (ft)	Time
5	540	538	165.92	151,01	165.92	23,75	316.15	223.85	540	1126
4	456	465	130,24	114,79	30.24	22,46	232.59	223.41	456	1128
3	382	380	96,41	87,72	29,48	R1178	158.61	223.39	382	1170
2	277	275	51.50	37,13	51,50	20.99	53.43	223.57	277	1132
1	207	205	A0.97	14:07	20.97	20.46	0.23	206.77	207	2134
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-17				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: 10	17/18	r			SERIAL NO. EM5	2502		-	
		LOCATION:	JPL				PROJECT	JPL Pasadena		-	
		ELEV. TOP OF	WASTBAY CASING	3	1191.21		OPERATOR(S) T. H	havy		•	
		WEATHER:	Gear	<u></u>			ATM. PRESSURE (Patm): (	(start) 14,06 (	finish) 14108	•	
		PTW	-208,2	5'			ATM. PRESSURE (Patm): ( Temp:	26.74°C	16,85°C	-	
		to Meas. /alve (ft)		Pressure R	eadings (psi)		Pressure Head Outside		[	T	
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time	
5	726	723	239,47	205.57	239.47	20,52	441.81	284.19	726	1102	
4	582	581	177.11	143.41	177,11	20,19	298.41	283.59	582	1104	
3	468	467	127,61	99,56	127,61	19.07	197.25	270.75	468	1106	
2	370	368	\$5,05	59,60	85,05	17,98	105.06	264.94	370	1108	
1	250	248	38,84	14122	32,84	16.91	0.37	249.63	250	1110	
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-18				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 6	112/18				SERIAL NO. EMS	2512		-
		LOCATION:	JPL				PROJECT	JPL Pasadena		
			WASTBAY CASING		1225.41		OPERATOR(S) 1. H	ang		_
		WEATHER:	leav		·····		ATM. PRESSURE (Patm):	(start) 1397 (	finish 14,0	-
		DTW	- 293,8.	51			Temp:	20.61'C	15,25%	
		to Meas. alve (ft)			eadings (psi)	1	Pressure Head Outside	Depth to Water Outside		ŕ,
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	684	68	18431	169.74	184,3	26.71	359.36	324.64	684	0903
4	564	56	132,22	121,56	13222	20,90	248.21	315.79	564	0905
3	424	422	7139	66,90	71,39	20.03	122.11	301.89	424	0907
2	330	327	30.35	30,30	30.35	18.97	37.67	292.33	330	0969
1	270	268	74,11	14,13	14.11	18.31	0.37	269.63	270	0911
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-19				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	112/15	<u>ک</u>			······································	2502		-
		LOCATION:	JPL	·····	••••••••••••••••••••••••••••••••••••••			JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASING		1142.94		OPERATOR(S) TH	app		•
		WEATHER: (	Jean				ATM. PRESSURE (Patm):	Š A	finish) 14,02	-
		(	V-1401	13			Temp:	17.70°C	18:95'C	-
		to Meas. alve (ft)			eadings (psi)		Pressure Head Outside	Depth to Water Outside		2 
Port No.	From Log (Dp)	From Cable	psi Inside Casing _/(69, 3, 8,	kg/cm <sup>2</sup> Outside Casing P2	mH²O Inside Casing (69,38	Trans. Temp.	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth(Dp) (ft)	Time
5	498	496	170.27	130,43	170.27	19,27	268.60	229.40	498	0835
4	444	44Z	145.99	107,16	145,99	19,39	214.92	229.08	444	0837
3	392	389	123,32	90.86	123.32	17.41	177.32	214.68	392	0839
2	314	312	90,35	57,16	90.35	19,28	99.57	214.43	314	0841
1	242	240	58,19	87,34	58,19	19,09	30.78	211.22	242	0843
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-20				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	12/18				SERIAL NO. FMS	2502		-
		LOCATION:	JPL				PROJECT	JPL Pasadena		-
		the second secon	WASTBAY CASING		1165.05		OPERATOR(S)	town		-
		WEATHER: (	lean				ATM. PRESSURE (Patm): (	start) 13,99 (	finish) 14,03	-
		PTU	<u>lean</u> - 740	204			Temp:	18.99%	18.01°C	-
		o Meas. alve (ft)			eadings (psi)		Pressure Head Outside	Depth to Water Outside		A.
Port No.	From Log (Dp)	From Cable   Inside Casing   Outside Casing   Inside Casing   Tr     S916   301,34   299,52   301,34   21     696   214,63   201,13   214,63   2				Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	900	896	301,34	299,52	301.34	20,20	658.72	241.28	900	11803
4	700	696	214.63	201,13	214,63	21,32	431.73	268.27	700	0805
3	562	559	154170	143,25	154.70	21,01	298.20	263.80	562	0807
2	392	389	80,57	7541	\$1.57	19,00	141.70	250.30	392	0809
1	230	27.9	14112	14/11	14,12	18,06	0.28	229.72	230	0811
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-21				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: ) C	112/18	·			SERIAL NO. EMS.	2502			
		LOCATION:	JPL				PROJECT	JPL Pasadena			
		ELEV. TOP OF	WASTBAY CASING	j	1059.10		OPERATOR(S) T. H	barn			
		WEATHER:	Clean				ATM. PRESSURE (Patm): (	(start) 13,97 (	finish) 17.66		
		DTW-	- 115,67	21			Temp:	23.77°C	19:58°C		
	Depth t	o Meas. alve (ft)			eadings (psi)		Pressure Head Outside	Depth to Water Outside			
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time	
5	372	370	126.49	126.17	126.49	22.17	258.85	113.15	372	1032	
4	310	309	99,39	99,33	99,39	21,49	196.93	113.07	310	1034	
3	240	239	69,53	69,45	69,53	20.50	127.99	112.01	240	1036	
2	161	16	35,03	35,31	35,03	20.00	49.23	111.77	161	1038	
1	90	89	14.09	14,11	14.09	19,67	0.32	89.68	90	1040	
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Comments: Collar Detect is 2' above sample port

		WELL ID:	MW-22				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: 10	118/18				SERIAL NO. EMST	202			
		LOCATION:	JPL				PROJECT	JPL Pasadena		-	
		ELEV. TOP OF	WASTBAY CASING	3	1176.98		OPERATOR(S) T, H	bay		-	
		WEATHER:	Very				ATM. PRESSURE (Patm):	(start) 14.01 (	finish) 14,03	-	
		DTW-	-230.7	6'			Temp:	17.51°C	finish) <u>14,03</u> 18,31°C	-	
		to Meas. alve (ft)		Pressure R	eadings (psi)		Pressure Head Outside			1	, i
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port(ft) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time	
5	588	587	170,83	163,49	170,83	80,65	344.85	243.15	588	07/4	
4	467 ,	467	118,18	112197	118,18	R1136	228.30	238.70	467	0716	••••••••••••••••••••••••••••••••••••••
3	389	389	84120	81,89	84,20	$a_{1,a7}$	156.60	232.40	389	1718	
2	329	328	58.03	55,75	58,03	20,97	96.29	232.71	329	0720	
1	245	844	20.97	19164		20.48	12.99	232.01	245	0722	
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Comments: Collar Detect is 1' above sample port

		WELL ID:	MW-23			-	PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	12/18		······		SERIAL NO. EMS	2502		
		LOCATION:	JPL					JPL Pasadena		
			WASTBAY CASING		1108.84		OPERATOR(S) T.A	GIONE		
		WEATHER:	Clear	•.			ATM. PRESSURE (Patm):	· · · · · · · · · · · · · · · · · · ·	finish) 14,03	
			<u>Clear</u> W-)40				Temp:	23.67%	20.86°C	
		to Meas. alve (ft)		r	eadings (psi)		Pressure Head Outside	Depth to Water Outside		······································
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	542	539	68,54	172.64	188,54	22,90	365.94	176.06	542	1156
4	445	443	146,91	130.70	146,91	22,73	269.18	175.82	445	1158
3	319	317	91,94	79.44	91,94	22.25	150.92	168.08	319	)200
2	254	252	63.73	51.30	63,73	81172	86.00	168.00	254	1202
1	174	172	29,05	17,68	29,05	20.94	8.44	165.56	174	1203
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							·			

Comments: Collar Detect is 1' above sample port

		WELL ID:	MW-24				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: /0/	18/18				SERIAL NO. EMS	2502		•
		LOCATION:	JPL				PROJECT	JPL Pasadena		•
		ELEV. TOP OF	WASTBAY CASING	}	1200.94		OPERATOR(S) T. He	recs		•
		WEATHER: (					ATM. PRESSURE (Patm):		finish) 1413	•
······			-212.44	í			Temp:	21,56°C	80,55°C	
		o Meas. alve (ft)		Pressure R kg/cm <sup>2</sup>	eadings (psi)	1	Pressure Head Outside	Depth to Water Outside		(
Port No.	From Log (Dp)	From From Inside Casing Our og (Dp) Cable			mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth ( Dp ) ( ft )	Time
5	678	677	215.49	187,66	2,6,49	22.41	400.38	277.62	678	1115
4	554	552	162.48	137,19	162.48	22,28	283.95	270.05	554	/117
3	435	434	111.82	88,58	11th Ra	21.93	171.80	263.20	435	1119
2	373	372	83,99	61.78	83,99	81183	110.44	262.56	373	1121
1	279	279	43,15	23,05	43,15	22.05	20.62	258.38	279	11.23
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Comments: Collar Detect is 1' above sample port

Blaine Tech Services Inc. 1680 Rogers Ave. Sen Loss CA 05440 (000) 545 7550

		WELL ID:	MW-25				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	112/18				SERIAL NO. EMS	2502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	j	934.53		OPERATOR(S) T. 1-4	saves		
		WEATHER:	Clear				ATM. PRESSURE (Patm): (	(start) 14,01 (1	inish) 14104	
	*****	PTW	-245	33'			Temp:	5.94'C	20.02'C	
		to Meas. aive (ft)			eadings (psi)		Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth(Dp) (ft)	Time
5	713	716	217.32	205,09	217.32	18,86	440.82	272.18	713	0732
4	633	631	185,09	169.88	183,09	19,80	359.59	273.41	633	6734
3	503	501	126,64	117.18	126.64	20,17	238.01	264.99	503	6736
2	423	421	92,19	8629	92,19-	2015	166.75	256.25	423	0738
1	358	356	63,82		63.82	20.04	105.78	252.22	358	0740
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Comments: Collar Detect is 2' below sample port

		WELL ID:	MW-26				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: /c	3/12/10	5			SERIAL NO. EMS	2502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	;	1059.08		OPERATOR(S)	ans		
		WEATHER:	clear				ATM. PRESSURE (Patm):	(start) 14,60 (	finish) 13.99	
		DTW	<u>-66.0</u>	51			Temp:	Jaioz'c	21.53'C	
		o Meas. alve (ft)			eadings (psi)	1	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
2	215	211	78.43	51,50	78.43	21.61	86.51	128.49	215	1012
1	135	132	43.61		43,61	20,86	8.37	126.63	135	1014
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Comments: Collar Detect is 2' below sample port

# WELL GAUGING DATA

Project # 18/012-1441 Date 10/20/18 Client Ti-lewater

Site JPL, Pasadena, CA

	Well Size	Time	Sheen /	Depth to Immiscible	Thickness of Immiscible	Volume of Immiscibles	Depth to water	Depth to well bottom	Survey Point: TOB
Well ID	(in.)	Gauged	Odor	Liquid (ft.)	Liquid (ft.)	Removed (ml)	(ft.)	(ft.)	or TOC
MW-1	Ч	1024					42,54	pomp	
MW-5	4	0755					133,55	pec pump	
MW-6	4	6752					DRY	239.00	
MW-7	4	0758	(				DRY	267,33	
MW-8	4	0)51				, , ,	197,91	p.ed pump	
MW-9	4	1028					37,45	pump	
MW-10	4	0747					147,40	peep	
MW-13		unab	le to	acce	55000	to con	struction	n =	
MW-15	4	0846		) t t t t t t			48,31	punp	
MW-16	4	0854				7 7 7 7 7	284.65	284,82	$_{f}$ V
		1 1 1 1 1		5 5 7 8 8 8			6 7 6 7 7 8	6 1 6 6 1 1	
						1 1 1 1 1	e 5 5 5 5 5 5	9 9 9 9 9 9	
		1 1 3 1 1 1 1		6 8 8 8 8 8 8			E 3 5 7 7 8	f 8 8 8 8 8	
				1 7 8 8 1 8	-			• 2 5 5 2	
	*							1 1 1 1 1 1	
				2 2 3 4 2 2 2		5 5 5 5 5 5	8 8 8 8 8 8 8 8 8 8	8 5 5 8 8 8 8	
						5 2 4 7 5 5 5 5	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

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x		WELL ID:	MW-3				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 16	26/18				SERIAL NO. ENS	2502	<u></u>	
1		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	}	1100.34		OPERATOR(S) T. He	an		
		WEATHER: (	Jeur	141			ATM. PRESSURE (Patm):	(start) 14112 (	finish) 14,13	
		DTW-	-183,60	F 187, 9	58		ت چ	24.56°C	20.45C	
		to Meas.		Pressure R	eadings (psi)		Pressure Head Outside			(
Port No.	From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	653	650	217.05	218.59	217.05	23,60	471.71	181.29	· 653	1038
4	558	556	175,81	179,71	175.81	A3.57	382.02	175.98	558	1040
3	346	343	83,64	88,13	83.64	12,63	170.74	175.26	346	1042
2	252	250	42.75	48.04	42,75	a1.56	78.25	173.75	252	1044
1	172	170	14123	16,84	14123	19,87	6.28	165.72	172	1046
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Comments: Collar Detect is 2' above sample port

		WELL ID:	MW-4				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	20118				SERIAL NO. EMS	2502		
		LOCATION:	JPL					JPL Pasadena		• .
		ELEV. TOP OF	WASTBAY CASING		1082.84		OPERATOR(S) T C H	bany		
		WEATHER: C					ATM. PRESSURE (Paim): (	(start) 19,19 (1	inish) 14,16	
		PTV	N-149		\$156,25		Тетр:	17,36°C	19151°C	
		o Meas. alve (ft)			eadings (psi)	r	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	513	512	169.89	171.08	169,89	19.72	362.06	150.94	513	0808
4	392	390	117,22	118,63	117.22	20.59	241.06	150.94	392	0810
3	322	320	86.70	88,29	86.70	20.77	171.06	150.94	322	0812
2	240	238	50.95	52,84	50.95	20.40	89.28	150.72	240	0814
1	150	148	14124	16.31	19,24	19,55	5.01	144.99	150	0816
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Comments: Collar Detect is 2' above sample port

		WELL ID:	MW-11				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	126/12	P			SERIAL NO. EM	2502		- -
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	i	1139.3		OPERATOR(S)	bars		
		WEATHER: (	TRes				ATM. PRESSURE (Patm): (	(start) 14,10 (1	inish) 14,08	
		DTU	- 198,	35'			Тетр:	18.66°C	inish) 14,08 18:59 °C	
	Depth t				eadings (psi)		Pressure Head Outside	Depth to Water Outside		Ć
Port No.	From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/pši)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	639	637	204.05	190.72	204,05	19.95	407.46	231.54	639	8904
4	524	522	154,69	156.77	154,69	80.58	329.14	194.86	524	0906
3	429	426	113,71	113,02	113,71	20.12	228.21	200.79	429	2908
2	259	256	40.03	42.58	40.03	19,47	65.70	193.30	259	0910
1	149	146	14,23	19.64	14,23	18,66	12.78	136.22	149	0912
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Comments: Collar Detect is 6" above sample port

	WELL ID:	MW-12				PROBE TYPE	Westbay Sampler 0-500psi		_	
	DATE: 10	126/18				SERIAL NO. EMS	2502		-	
	LOCATION:	JPL				PROJECT	JPL Pasadena		_	
		WASTBAY CASING		1102.14		OPERATOR(S) Ti /t	ray		-	
	WEATHER: (	lear				ATM. PRESSURE (Patm):	(start) 14,14 (1	finish) 14112	_	
	PTU	<u>(lear</u> U-159,	48'			Temp:	17,712	19.310		
	to Meas,		T	eadings (psi)	r	Pressure Head Outside	Depth to Water Outside			
From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft )	True Port Depth ( Dp ) ( ft )	Time	
548	546	183,97	168.20	183,97	18,91	355.42	192.58	548	6835	
436	435	135.41	128.09	135.41	19,80	262.88	173.12	436	0837	
323	321	86,02	79,99	86,02	19,43	151.92	171.08	323	0839	
243	241	51,29	410,05	51,29	18.91	73.62	169.38	243	0841	
140	138	H.21	14.17	14,21	18.37	0.07	139.93	140	0843	
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Comments: Collar Detect is 6" above sample port

Port No.

		WELL ID:	MW-14				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	126 1 8		·····		SERIAL NO. EMS 2	2502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
			WASTBAY CASING		1173.47		OPERATOR(S) T.	tang		
		WEATHER:	Jean				ATM. PRESSURE (Patm):	(start) 19:09 (	finish) 14,10	
		DTU	<u>1ean</u> U-192,	59'			Temp;	21,07%	20.77C	
		to Meas.		*****	eadings (psi)	r	Pressure Head Outside	Depth to Water Outside		· (
Port No.	From	alve (ft) From	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
	Log (Dp)	Cable		P2		(00)	. (, (. = . =, =			
5	540	538	165,40	150,44	165,90	21,23	314.56	225.44	540	8930
4	456	455	129,47	114,21	129,47	aliao	230.98	225.02	456	R932
3	382	380	97.10	82,12	97/10	20.94	156.95	225.05	382	0934
2	277	875	51.53	36,60	51,53	20112	51.93	225.07	277	0936
1	207	206	20,98	14.16	20.98	19,80	0.16	206.84	207	0938
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-17				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	126/18	<u></u>			SERIAL NO. EMS	2502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		****	WASTBAY CASING		1191.21		OPERATOR(S) 1. 14	dan		
		WEATHER:	lean		****		ATM. PRESSURE (Patm):	(start) 19709 (1	inish) 14,10	
		pt	~1 <i>ean</i> ™-20	£.34'			Temp: 2	23,49°C	22,05'C	
		o Meas. alve (ft)			eadings (psi)		Pressure Head Outside	Depth to Water Outside		1 1 1
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	726	723	239,25	195,70	239,25	19,58	418.97	307.03	726	1177
4	582	581	176.77	140.24	176, 77	19,84	291.03	290.97	582	1120
3	468	467	127.02	98.23	127.02	19117	194.11	273.89	468	1122
2	370	368	8497	58.85	84.97	18.36	103.26	266.74	370	1124
1	250	248	38.74	14,21	32.74	17,47	0.28	249.72	250	1126
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Collar Detect is 6" above sample port Comments:

		WELL ID:	MW-18				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 101	126/18	•			SERIAL NO. EMS,	2502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
	·	ELEV. TOP OF \	WASTBAY CASING		1225.41		OPERATOR(S) T. H	saig		
		WEATHER:	Ver				ATM. PRESSURE (Patm): (	start) 17,06 (f	inish) 14,08	•
		PTU	<u>(lear</u> 293	.99'			Temp:	13,93°C	19,95%	r
	Depth t			Pressure R	eadings (psi)		Pressure Head Outside	Depth to Water Outside	T D (D (() (D - )	
Port No.	From Log (Dp)	atve (ft) From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	684	681	184,31	169,55	184,31	22,26	358.72	325.28	684	1227
4	564	562	132.26	121.02	132,26	a1.87	246.76	317.24	564	1229
3	424	421	71,35	1646	71.35	20,65	120.89	303.11	424	1231
2	330	327	31.25	2794	21.25	18.39	32.02	297.98	330	1233
1	270	268	30.35	14,16	30.35	17,85	0.23	269.77	270	1735
		100	14119		14,19					
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					S.					

Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-19				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 16	26/18				SERIAL NO. EMS	502		
		LOCATION:	JPL			10000000000000000000000000000000000000	PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING		1142.94		OPERATOR(S) T, H			
		WEATHER:	ler				ATM. PRESSURE (Patm):	(start) 14,07 (1	inish) 14,09	
	ļ	DTW-	140.22'	1			Temp: 2		22.39 2	
	Depth t Port V	o Meas. alve (ft)			eadings (psi)		Pressure Head Outside	Depth to Water Outside	True Port Depth ( Dp )	
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH <sup>2</sup> O Trans. Temp. Inside Casing (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	(ft)	Time	
5	498	495	169122	129.87	169,22	83.02	267.15	230.85	498	1204
4	444	442	145.93	106,60	145,93		213.47	230.53	444	1206
3	392	390	123.47	90.37	123,47	21.32	176.02	215.98	392	1208
2	314	312	89,51	56,68	89,51	20.79	98.30	215.70	314	1210
1	242	240	58.22	26.84	58.22	20.24	29.46	212.54	242	1212
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-20				PROBE TYPE			
		DATE: 0	26/18				SERIAL NO. EMS	2502		
		LOCATION:	JPL				PROJECT			
			WASTBAY CASING		1165.05		OPERATOR(S) J. H			
		WEATHER: (	Clear				ATM. PRESSURE (Patm): (	(start) 14.0.2 (1	finish) 14,03	
		PTU	01eer v -240.	as'			Temp:	26.090	22185'C	
		to Meas. alve (ft)			eadings (psi)	r	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From From	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	900	896	301.15	29911	301.15	23,30	657.70	242.30	900	1317
4	700	696	214,72	200.96	214.7a	22,54	431.27	268.73	700	1321
3	562	560	154,82	142,36	154,82	21,59	296.08	265.92	562	1323
2	392	390	80.75	75,05	80,75	19.99	140.80	251.20	392	1325
1	230	227	14.22	14,19	14,22	18,53	0.39	229.61	230	1327
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Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-21			*****	PROBE TYPE			
		DATE: 10/	26/18				SERIAL NO. EMS &	502		
		LOCATION:	JPL			and the second second second		JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING		1059.10		OPERATOR(S) THO	ares	****	
		WEATHER: (				and which we are a state of	ATM. PRESSURE (Patm): (	(start) / 4,1 4 (1	inish) 14,15	
		PT	W - 115,	73'			Temp:	21,50°C 1	9.46 °C	······
		o Meas. alve (ft)	1		eadings (psi)		Pressure Head Outside	Depth to Water Outside	True Port Depth ( Dp )	
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	(ft)	Time
5	372	370	126.62	125.CA	126,62	20,99	257.35	114.65	372	0951
4	310	309	100.32	98,84	160.32	-20.59	195.40	114.60	310	0953
3	240	238	49,70	68,98	69,58	20.14	126.52	113.48	240	0955
2	161	160	35,17	34,85	35,17	19.76	47.78	113.22	161	0957
1	90	89	14123	14,18	14,23	19,47	0.09	89.91	90	0959
			1	, 				1-1-1		
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						884.48.48.48.49.49.49.49.49.49.49.49.49.49.49.49.49.				

Comments: Collar Detect is 2' above sample port

		WELL ID:	MW-22				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 10	26/18		······		SERIAL NO. EMS	2507		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING		1176.98		OPERATOR(S)			
			Jer	·····			ATM. PRESSURE (Patm): (	start) 74,05 (1	inish) 14106	
		DTW	- 2 <i>3</i> 0.°	10'				20.76°C		
		o Meas.			adings (psi)		Pressure Head Outside	Depth to Water Outside		(
Port No.	Port Valve (ft) From From Log (Dp) Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time	
5	588	587	170.02	162.95	170.02	21,29	343.51	244.49	588	6640
4	467	467	117.49	12.26	117,49	81.55	226.57	240.43	467	0643
3	389	389	83,65	81,45	83.65	21,47	155.49	233.51	389	0645
2	329	328	57,30	55,34	57,30	21115	95.26	233.74	329	6647
1	245	244	80.43	19:23	20.43	20.48	11.95	233.05	245	0649
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Comments: Collar Detect is 1' above sample port

	WELL ID:	MW-23	-			PROBE TYPE		_	
	DATE: 10/	26/18				SERIAL NO. EMS	2502		
	LOCATION:	JPL	·····						_
	ELEV. TOP OF	WASTBAY CASING	;	1108.84		OPERATOR(S) 11/7	•		
	WEATHER:	Clean				ATM. PRESSURE (Patm):	(start) 14,08 (1	finish) 14,19	-
	DTW	- 140. E	0'		Temp:		20.22°C	-	
						Pressure Head Outside	Depth to Water Outside		
From Log (Dp)	From Cable	psî Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port ( ft ) DTW = Dp-P(ft)	(ft)	Time
542	540	188,76	172, 27	188.76	20.77	364.94	177.06	542	0723
445	443	M6,76	130.3	146.76	81.12	268.14	176.86	445	0725
319	318	91,88	78.98	91,88	20.79	149.72	169.28	319	0727
254	253	63,86	5985	63,86	20.58	84.83	169.17	254	0729
174	172	29117	17.85	29,17	20,26	7.31	166.69	174	073
					***************************************				
					499-999-9-9-99-9-9-9-9-9-9-9-9-9-9-9-9-				
					-				
	Port V From Log (Dp) 542 445 319 254	DATE: /0/ LOCATION: ELEV. TOP OF WEATHER: DT W Depth to Meas. Port Valve (ft) From From Log (Dp) Cable 542 540 445 443 319 3 8 254 253	$\begin{array}{c c} \hline DATE: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Comments: Collar Detect is 1' above sample port

	WELL ID:	MW-24				PROBE TYPE			
	DATE: 10	126/18				SERIAL NO. EMS	2502		
	LOCATION:	JPL				PROJECT			
	ELEV. TOP OF	WASTBAY CASING	}	1200.94		OPERATOR(S) T. I.	qua		
	WEATHER: (	lear				ATM. PRESSURE (Palm):	(start) 14,08 (1	inish) 1411	
<b>.</b>	PTU	1-212.6	56'			Temp:	161996	18.950	
	to Meas. ′alve (ft)		Y	eadings (psi)	r	Pressure Head Outside	Depth to Water Outside		
From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)	Port ( ft ) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft )	True Port Depth ( Dp ) ( ft )	Time
678	677	215,68	186.64	215,68	20.68	398.10	279.90	678	0701
554	552	162.05	136,42	162.05	21,30	282.24	271.76	554	0703
435	433	110.39	88.16	110.39	21,38	170.90	264.10	435	0705
373	372	83,49	61.53	83,49	21,43	109.47	263.53	373	0707
279	279	42,79	22.62	42.79	21,80	19.70	259.30	279	0709
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Comments: Collar Detect is 1' above sample port

Port No.

		WELL ID:	MW-25				PROBE TYPE			
		DATE: 10	26 [18				SERIAL NO. EMS 7	1502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
			WASTBAY CASING		934.53		OPERATOR(S) T. 14			
		WEATHER: (	(lear				ATM. PRESSURE (Patm): (	(start) 74,10 (1	inish) 14,13	
		DTU	(lear 1-245.	49'			Temp:	26,55%	24,05°C	
		o Meas. alve (ft)			adings (psi)	r	Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside	True Port Depth ( Dp )	
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)		Port ( ft ) DTW = Dp-P(ft)	(ft)	Time
5	713	710	217.50	204.92	817,50	24112	440.22	272.78	713	1355
4	633	631	183,26	169.66	183,26	23,53	358.88	274.12	633	1357
3	503	501	126,84	11698	126,84	22.6	237.34	265.66	503	1359
2	423	421	92.25	86.12	12.25	21,86	166.15	256.85	423	1401
1	358	356	63.93	59.67	63.93	21,39	105.13	252.87	358	1403
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Comments: Collar Detect is 2' below sample port

		WELL ID:	MW-26				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: /0/	26/18			and a state of the	SERIAL NO. EMS 2	502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
			WASTBAY CASING		1059.08		OPERATOR(S) TI H	say		
		WEATHER: (	Jean		****		ATM. PRESSURE (Patm):	(start) 14,10 (1	finish) 14107	
		DTU	<u>1eon</u> 1-661,	25'			Temp:	28.11°C	23.31°C	
	Depth t				eadings (psi)	r	Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside		<u> </u>
Port No.	From Log (Dp)	1	psi Inside Casing	kg/cm <sup>2</sup> Outside Casing P2	mH <sup>2</sup> O Inside Casing	Trans. Temp. (oC)		Port(ft) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
2	215	211	78.32	50.93	78,32	85.45	84.97	130.03	215	1256
1	135	132	43,51	17,12	43,51	23,51	6.97	128.03	135	1256 1258
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Comments: Collar Detect is 2' below sample port