ATTACHMENT 5: WATER LEVEL MEASUREMENTS

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™ multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26) obtained during the 3rd Quarter 2018. Water level measurements were recorded before the sampling event on July 20, 2018 for the relatively shallow standpipe monitoring wells and July 20, 30 and 31, 2018 for the Westbay™ multiport wells. Water level measurements were recorded after the sampling event on August 03, 2018 for the relatively shallow standpipe monitoring wells and August 02 and 03, 2018 for the Westbay™ multiport wells. Water levels for the shallow wells were measured using a Solinst™ water level meter. In the deep multiport wells, the hydraulic head at each sampling port was measured with a Westbay™ MOSDAX sampling probe. Water level measurements were conducted by Blaine Tech Services, Inc.

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

WELL GAUGING DATA

Project # 180720-HH Date 07/20/18 Client Trecuation

Site JPL, Pasadena, CA

		T	T	T	T @: 1	T		Ţ	
	Well			Depth to	Thickness of	Volume of			
	Size	Time	Sheen /	Immiscible	Immiscible	Immiscibles	Denth to water	Depth to	Survey
Well ID	(in.)	Gauged	Odor	Liquid (ft.)	Liquid (ft.)	Removed (ml)	Depth to water (ft.)	(ft.)	Point: TOB
	ü	1020						Deci	100
MW-1		0830				t 1 1	78,99	pump	1
MW-5	4	1255	1 1 1 1 1 1	1 1 1 1 1		1	116.73	Dom	
MW-6	4	1117	† 1 1 3 8 6 6	1 1 1 1 1			228.64	Pec) pum	
MW-7	4	1422	t 1 5 4 1 1				254,76		
MW-8	4	1335					181115	Ded	
MW-9	4	0834					23,15	Ded	
MW-10	4	1325					132.55	Ded	
MW-13		well	block	ed off	unah	le to acc			
MW-15	4	1229					34,52	Ded	
MW-16	4	1415				1 1 1 2 2 1	276.H3	284,73	1/
					1	1	E 1 1	1	-
			1 1 1 1 2 3		; 6 1 1 2 1 1	1		1 2 1 1	
			1 1 1 0 6		1 1 1				
	! ! ! !	1 1 1 1 1	1 1 1 1 1 1	; ; ;			1 1 1 1 1		
	1 1 1 1	1	1 1 1 1	:					
				1					
					\$ \$ \$ \$				
· · · · · · · · · · · · · · · · · · ·		·			<u> </u>				

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

	WELL ID:	MW-3	**************************************			PROBE TYPE	Westbay Sampler 0-500psi		-
	DATE: 07	120/12	<u> </u>			SERIAL NO. EMS	2502		_
	LOCATION:	JPL		~~~		PROJECT	JPL Pasadena		_
	ELEV. TOP OF	WASTBAY CASING	3	1100.34		OPERATOR(S) T, H		_	
	WEATHER: (lem				ATM. PRESSURE (Paim):	(start) 14,09 (finish) 14,11	_
	PTW	- 173,0	17'			Temp:		20,890	
		-	Pressure R	eadings (psi)		Procesure Head Outeids	Danth to Water Outside		
From	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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
653	650	223,34	225,12	223.34	24,41	486.85	166.15	653	0845
558	55%	182,09	185.30	182,09	24115	394.98	163.02	558	0847
346	344	99.85	93.72	89.85	23,24	183.71	162.29	346	0849
252	250	48,88	53,72	48.88	22,30	91.43	160.57	252	1851
172	170	14,21	23,66	14.21	2098	22.08	149.92	172	0853
	. ,	,		``					
Comments:	Collar Detect	is 2' above samp	le port						
-									
	Depth Port V From Log (Dp) 653 558 346 252 172	DATE: QZ LOCATION: ELEV. TOP OF WEATHER: Q PTW Depth to Meas. Port Valve (ft) From Cable 653 6.50 558 556 346 344 252 350 172 70	DATE: Q7/20/12 LOCATION: JPL ELEV. TOP OF WASTBAY CASING WEATHER: Clem PTW - 173, C Depth to Meas. Port Valve (ft) From Log (Dp) Cable 653 650 233,34 558 556 182,09 346 344 94,85 252 350 48,88 172 170 142	DATE: \$\frac{7}{20} 18\$ LOCATION: JPL ELEV. TOP OF WASTBAY CASING WEATHER: Clean PTW - 173, CT Depth to Meas. Port Valve (ft) From Log (Dp) Cable 653 650 233,34 325,12 558 556 182,09 185,30 346 344 99,85 93,78 252 350 48,88 53,78 172 170 142 23,666	DATE: Q7 Z0 18	DATE: \$\frac{97/20/18}{20/18}\$ LOCATION: JPL ELEV. TOP OF WASTBAY CASING 1100.34 WEATHER: Clean PTW - 173, 39 Depth to Meas. Port Valve (ft) From Cable Casing Duside Casing P2 653 650 203,34 205,12 223,34 24,41 558 556 182,09 185,30 182,09 241,5 346 344 99,85 93,72 89,85 23,24 252 250 48,88 53,72 48,88 22,30 172 70 142 23,66 4.2 20,98	DATE: \(\simple 7/20/18 \) SERIAL NO. \(\begin{align*}{c} \begin{align*}{c} \beg	DATE: \$\frac{7}{20}\$ 18\$ LOCATION: JPL ELEV. TOP OF WASTBAY CASING WEATHER: \$\frac{1}{26}\$ 1100.34 WEATHER: \$\frac{1}{26}\$ 173, \$\frac{3}{2}\$ 100.34 Depth to Meas. Port Valve (ft) From Log (Dp) Cable From Log (Dp) Cable 653 650 732, 34 745, 12 723, 34 746, 14 746, 29 757, 39 758, 30 75	DATE: \$\frac{7}{20} 18

WELL ID: MW-4	PROBE TYPE Westbay Sampler 0-500psi
DATE: 07/31/18	SERIAL NO. EMS 2502
LOCATION: JPL	PROJECT JPL Pasadena
ELEV. TOP OF WASTBAY CASING 1082.84	OPERATOR(S) T. Hoary
WEATHER: Clear	ATM. PRESSURE (Patm): (start) 14,06 (finish) 14,07
07w-149,97	Temp: 26,410 26,110

		to Meas.		Pressure R	leadings (psi)	- 11 	I			<u> </u>
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Pressure Head Outside 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	513	509	172,87	175,86	172.87	23,27	373.27	139.73	513	1056
4	392	388	120,10	123,43	120,10	22,70	252.32	139.68	392	1058
3	322	319	89,55	93,07	89,55	22.00	182.28	139.72	322	1100
2	240	237	53,72	<i>57.73</i>	53,72	20.90	100.75	139.25	240	1102
1	150	147	14.17	22,84	14.17	18.94	20.26	129.74	150	1104
							# 11			
										,
										Ì

Comments: Collar Detect is 2' above sample port

		WELL ID:	MW-11				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: 07	120/18				SERIAL NO. EMS	2502			
		LOCATION:	JPL					JPL Pasadena			
		ELEV. TOP OF	WASTBAY CASING	}	1139.3		OPERATOR(S) 7 /- /-	an			
		WEATHER:	Geor				ATM. PRESSURE (Palm):	(start) 14,05 (finish) 14:08		
		₽7	W-16	6.10'			Temp:	27,89°C	24,610		
		to 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 ² 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	639	635	209,97	196,62	209.97	24,52	421.19	217.81	639	1213	
4	524	521	160,35	162,46	160,35	23.46	342.38	181.62	524	1214	
3	429	427	119,53	118:75	11953	21,56	241.54	187.46	429	1216	
2	259	a56	45,96	48160	45,96	20,53	79.71	179.29	259	1218	
1	149	146	14118	24,62	14.18	19,76.	24.38	124.62	149	1720	
		•									
											4

C	omments:	Collar Detect i	s 6" above samp	le port		····		· · · · · · · · · · · · · · · · · · ·			

		WELL ID:	MW-12				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: 07	120/18	7			SERIAL NO. EMS	2502		_	
		LOCATION:	JPL				PROJECT	JPL Pasadena		_	
			WASTBAY CASING		1102.14		OPERATOR(S) T. HC	(al)		_	
		WEATHER: (lear	***************************************			ATM. PRESSURE (Palm):	(start) 14,09 (finish) 14.11	_	
		PTW	-1581.	50'			Temp:	26,686	21.310		
		lo Meas.		Pressure R	eadings (psl)		Pressure Head Outside	Depth to Waler Outside			
Port No.	From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Palm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Tíme	
5	548	546	184,11	174,10	184.11	24.14	369.14	178.86	548	1239	_
4	436	435	135,65	133,60	135,65	23,37	275.71	160.29	436	1242	
3	323	.321	86,22			21.94	165.27	157.73	323	1244	
2	243	241	51,64	,	51,64	20,81	87.69	155.31	243	1246	
1	140	139	14,20	16,38	14.20	1994	5.05	134.95	140	1248	
	-1									_	
											_
									······································		_
	Comments:	Collar Detect i	s 6" above samp	le port							_

		WELL ID:	MW-14				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: O	7/20/1.	<u> </u>			SERIAL NO. EM	8502		-	
		LOCATION:	JPL		·		PROJECT	JPL Pasadena		-	
		ELEV. TOP OF	WASTBAY CASIN		1173.47		OPERATOR(S) / 1/	James		•	
		WEATHER:	Cear				ATM, PRESSURE (Patm):	(start) 14,02 (finish) 1407	•	
-			-192.2				Temp:	90,450	19181°C	•	
		to Meas. 'alve (ft)		1	eadings (psi)	7	Pressure Head Outside	Depth to Water Outside			
ort No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time	٠
5	540	538	166,13	155,55	166,13	25,95	326.51	213.49	540	1128	
4	456	455	130,38	119.33	130.38	23.83	242.95	213.05	456	1130	
3	382	380	97,55	87,27	97.55	82,74	168.99	213.01	382	1132	
2	277	374	51,70	41.83	51,70	21,69	64.16	212.84	277	1134	
1	207	205	21116	14,22	21,16	20,85	0.46	206.54	207	1136	
\dashv										······································	
\dashv				-							
			· ·								
-+											
\dashv		· ·									
+											
C	omments: C	Collar Detect is	s 6" above sampl	e nort					700000		

		WELL ID:	MW-17				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 67	130/18				SERIAL NO. EMS ?	7502		
		LOCATION:	JPL'		***************************************		PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	3	1191.21		OPERATOR(S) TIHO	iers	·······	
		WEATHER:	Clear		***************************************		ATM. PRESSURE (Patm):	(start) 14,07 (finish) 14,02	
		DTW	-208.0	6			Temp:	2916/C	19:61°C	
		to 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 ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.397 fUpsi)	Port (ft)	True Port Depth (Dp) (ft)	Time
5	726	725	239.49	199,93	239,49	21,43	428.78	297.22	726	1115
4	582	580	177.18	144,82	177/18	20:74	301.64	280.36	582	1118
3	468	466	127,63	102,42	127,63	18,97	203.82	264.18	468	1120
2	370	368	85,07	63.41	85,07	17,98	113.83	256.17	370	1123
1	250	248	32.86	17,49	32.86	1692	7.89	242.11	250	1125
				,	, .	,				
										
	ya									
				ľ						
	Comments:	Collar Detect	is 6" above samp	ele port						
	-									

Port No.

		WELL ID:	MW-18				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: O	2/20/18	?		***************************************	SERIAL NO. EMS	2502		~ ~	
		LOCATION:	JPL				PROJECT	JPL Pasadena			
		ELEV. TOP O	F WASTBAY CASIN	G	1225.41		OPERATOR(S) / 1/40	anc		-	
		WEATHER:	Jews	•			ATM. PRESSURE (Palm):	7. × 1	(finish) 14:04		
_		DTW	-293.7	7			Temp:	21,090	18,90°C		
		to Meas. Valve (ft)		Pressure R	leadings (psi)		Pressure Head Outside	Danit to William Control			-
0.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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	
	684	681	184,32	174.37	194.32	90,74	369.93	314.07	684	0807	-
	564	561	132,14	126,31	132.14	20,94	259.05	304.95	564	0809	-
	424	1422	71,33	71.90	71,33	20.23	179.67	244.33	424	0811	-
	330	327	30,46	33.79	30.46	19.11	45.61	284.39	330	as/3	-
	270	268	14,20	14,19	14,20	18,53	0.39	269.61	270	0815	-
											-
											-
											~
1											_
1										* MINTER OF MINIMA STATE (1974)	
1											
+											_
l											
(Comments:	Collar Detect	is 6" above samp	le port							

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

		WELL ID:	MW-19				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 07/	20/18				SERIAL NO. EMS	47 8502		-
		LOCATION:	JPL				PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1142.94		OPERATOR(S) 7. Ha	ay	-	_
		WEATHER:	TI Class		· · · · · · · · · · · · · · · · · · ·		ATM. PRESSURE (Patm):	<i></i>	finish) 14,09	
	,	Ó	PTU	1-139.0	501		Temp:	85,93°C	20.16°C	
		to Meas. 'alve (ft)			eadings (psi)	7	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Paim)*2.307 ft/psi)	Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
5	498	496	169.57	135,50	169.57	23. RZ	280.12	217.88	498	0910
4	444	442	146.11	112,25	146.11	22.31	226.48	217.52	444	0912
3	392	389	123,53	95,74	123,53	21,60	188.39	203.61	392	0914
2	314	312	90,33	62,06	90.33	20.66	110.69	203.31	314	0916
1	242	240	58.35	32,41	58,35	20,22	42.29	199.71	242	0918
						****				· · · · · · · · · · · · · · · · · · ·
								•		
C	Comments:	Collar Detect i	s 6" above samp	le port	·					

		WELL ID:	MW-20				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 07	1/20/12	5			SERIAL NO. EWS	2502		
		LOCATION:	JPL		*******************************	***************************************	PROJECT	JPL Pasadena		_
			WASTBAY CASING	3	1165.05	****	OPERATOR(S) 7.17	loang		_
		WEATHER:	Clear			·	ATM. PRESSURE (Patm):		finish) 14,06	_
		OTW	-239,	81'			Тетр:	12.96°C	18:89°C	
		to Meas. alve (ft)		Pressure R	leadings (psi)	·	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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	900	0736	301.59	303,66	301,59	22,54	668.15	231.85	900	6732
4	700	696	214.21	205.18	214,21	22.77	440.96	259.04	700	(1735
3	562	558	154,69	146,98	154,69	22.10	306.46	255.54	562	0738
2	392	389	90,91	79,30	80.91	20.60	150.55	241.45	392	0740
1	230	228	14.24	14,20	14124	19,01	0.37	229.63	230	0742
										•
										monometric de la companya de la comp
C	omments: C	Collar Detect i	s 6" above samp	le port						

		WEATHER:	JPL WASTBAY CASING	3	1059.10		PROJECT	Westbay Sampler 0-500psi 2 502. JPL Pasadena (Start) /4 // (finish) 14.1.3	· ·	
	·	D	TW-11				Temp:	32,38°C	88,31°C	•	
Port No.		to Meas. /alve (ft) From Cable	psi Inside Casing	Pressure R kg/cm² Outside Casing P2	eadings (psi) mH²O Inside Casing	Trans. Temp. (oC)	Pressure Head Outside Port {ft} P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft)	True Port Depth (Dp) (ft)	Time	
5	372	370	126,47	13/13	126,47	26,08	269.97	102.03	372	/037	
4	310	309	99,48	104,27	99.48	24,46	208.00	102.00	310	1039	
3	240	239	70,40	74,48	70.40	2175	139.27	100.73	240	1041	Little water
2	161	160	35,07	40.41	35,07	20.82	60.67	100.33	161	1043	
1	90	89	14.22	14,23	14,22	20,34	0.28	89.72	90	145	
											<u></u>
									P		
(Comments:	Collar Detect	is 2' above sampl	e port							

		WELL ID:	MW-22 7/20/18	·		·	PROBE TYPE	Westbay Sampler 0-500psi	· -	· •	
		LOCATION:	<i>JPL</i>				PROJECT	AJO2_ JPL Pasadena		-	
		ELEV. TOP OF	F WASTBAY CASIN	3	1176.98			oury		-	
		WEATHER:					ATM. PRESSURE (Patm):		finish) 14,07	-	
		DTU	U-215	<u> 11' </u>			Temp:	26.11C Z	3.112		
No.		fo Meas. (alve (ft) From Cable	psi Inside Casing	Pressure R kg/cm² Outside Casing P2	eadings (psi) mH²O Inside Casing	Trans. Temp.	Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft)	True Port Depth (Dp) (ft)	Time	
	588	586	176,17	165,26	176:17	23,47	355.76	232.24	588	1152	
	467	467	123,84	117,78	123,84	23,18	239.31	227.69	467	1154	
	389	387	89,99	86,98	89,99	22,67	168.25	220.75	389	1156	
	329	327	64113	60,94	64.03	82,17	108.18	220.82	329	1158	
_	245	243	22/03	25,36	27.d3	21,57	26.09	218.91	245	1200	
4											
4								M. C.			
+											
\dashv										·	
+											
+										and the state of t	
+											
	l		is l'above sempl	<u> </u>							

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

		WELL ID:	IAW-23				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: ()	7/20/1	5			SERIAL NO. EMS	2502		•
		LOCATION:	JPL		* H		PROJECT	JPL Pasadena		•
		ELEV. TOP OF	WASTBAY CASING	3	1108.84	T-V-EM-stometric et estadores	OPERATOR(S) T, H	oans		•
		WEATHER:	Clear				ATM. PRESSURE (Palm):	J. 1	(finish) 14,07	•
	y	,	PTW	-215,	91'- 13	8.71	Temp:	25,27°C	23,45°C	•
		to Meas. 'alve (ft)		1	Readings (psi)	1	Pressure Head Outside	Double Whee Outside		
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ² 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	542	539	189,33	177,84	184,33	24,89	377.89	164.11	542	1306
4	445	443	147,28	135,88	147,28	23,93	281.08	163.92	445	1308
3	319	317	9290	84.60	92,90	33,03	162.78	156.22	319	1310
2	254	252	64.50	56,58	64,50	22,25	98.14	155.86	254	1312
1	174	17a	89,74	23,54	29,74	2140	21.92	152.08	174	1314
			~~~							
						·				
<u>l</u> .										
С	comments: C	Collar Detect i	s 1' above sampl	e port						

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

		WELL ID:	MW-24			·	PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: O	1/20/18	·			SERIAL NO. EMS	2502		-	
		LOCATION:	'JPL				PROJECT	JPL Pasadena		•	
			WASTBAY CASING	3	1200.94	****	OPERATOR(S)	loans		•	
			dear				ATM. PRESSURE (Patm):	(slarl) 1405 (	finish) 14,06	•	
		DTW	-211,44				Temp:	31,936	22,91°C		
		to Meas. 'alve (ft)		Pressure R	eadings (psi)		1 1				
ort No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Pressure Head Outside 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	678	675	216,35	192,36	216,35	27,22	411.36	266.64	678	1350	
4	554	552	162,59	142.00	162.59		295.18	258.82	554	1352	
3	435	433	12,17	111,20	112.17	23.44	184.05	250.95	435	1354	_
2	373	371	84.20	93,83	84,20	23,05	123.08	248.92	372	1356	
1	279	277	44,43		44.43	23,17	35.87	243.13	279	1358	
			43,53"		43.53	11-11-1				1900	
											_
											_
											_
											_
7										·	
Co	omments: C	Collar Detect is	i l' above sample	nort			L		<u> </u>		_

Comments: Collar Detect is 1' above sample port

		WELL ID:	MW-25 120/18		****			Westbay Sampler 0-500psi		-	
		LOCATION:	<i>JPL</i>				PROJECT	2502 JPL Pasadena		-	
		ELEV. TOP OF	WASTBAY CASIN	G	934.53	<del></del>	, ,	ans		-	
		WEATHER:	Cleur -244,8				ATM. PRESSURE (Patm):		finish) 14,07	•	
		PTW	-244,2	76'			Temp:	24,83°C	20,01°C		
		to Meas. /alve (ft)		7	leadings (psi)	γ	Pressure Head Outside	Depth to Water Outside			
No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 (Vpsi)	Port (ft) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Tinte	
	713	710	217,78	206,84	217.78	22,98	444.74	268.26	713	0704	
	633	630	183,25	171,83	183,25		363.98	269.02	633	0706	****
	503	501	127,94	119.01	127,94	<i>aa.</i> 04	242.12	260.88	503	1708	
	423	42)	92.46	88:04	92,46		170.65	252.35	423	0710	
	358	358	64.07	61,60	64.07	21/13	109.67	248.33	358	0712	
	ř	356									
$\perp$											
$\dashv$											
$\dashv$									,	•	
1											***************************************
4											
C	omments:	Collar Detect i	is 2' below samp	le port							

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

		WELL ID:	MW-26	·			PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: O	7/20/10	<u> </u>			SERIAL NO. EVAS	4700 2508	:	•
		LOCATION:	JPL `				PROJECT	JPL Pasadena		<del>-</del>
			WASTBAY CASING		1059.08		OPERATOR(S) T. HO	ary		_
		WEATHER:	Clear	-			ATM. PRESSURE (Palm):		finish) 14, 10	-
	<del></del>		-64.7	7/			Temp:		23,04°C	_
		to Meas. /alve (ft)		T	leadings (psi)		Pressure Head Outside			
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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 (Op ) (ft)	Time
2	215	211	78,56	55,36	78:56	24,30	95.21	119.79	215	0935
1	135	132	43,74	21,09	43,74	22,61	16.15	118.85	135	0937
		<del> </del>						-		
										·
$\neg \dagger$										
	<u>l</u>	<u>l</u>	,	L		<u> </u>	<u> </u>			
C	omments:	Collar Detect i	s 2' below sampl	е рюп	· · · · · · · · · · · · · · · · · · ·					
	_			4 <del></del>						

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

#### WELL GAUGING DATA

Project # 180720-AA Date Of 103/18 Client Tolecuster

Site JPL, Pasadena, GA

	Well			Depth to	Thickness of	Volume of		Depth to	Survey
Well ID	Size (in.)	Time Gauged	Sheen / Odor	Immiscible Liquid (ft.)	Immiscible Liquid (ft.)	Immiscibles Removed (ml)	Depth to water (ft.)		
MW-1	4	0725					30.85	Ded	
MW-5	4	1118					119,85	Ded	
MW-6	Ч	1004					231:11	Deel	
MW-7	4	1315					258.49	Ded' pump	 
MW-8	4	1208		! ! !			184,65	ped	
MW-9	4	0730					25,60	Dec/ pump	
MW-10	4	1111					135,56	Ded pump	
MW-13		una	blet	096	(es)				
MW-15	4	1200				,	36,25	Ded	
MW-16	4	1305					36.25 280.41	254173	V
t									
1									
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									

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

		WELL ID:	MW-3				PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE: C	8/13/18	7			SERIAL NO. EMS	2502		_
		LOCATION:	JPL		***************************************	· · · · · · · · · · · · · · · · · · ·	PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1100.34		OPERATOR(S) 1. /	loan		<u>-</u>
			Clear		·····	-	ATM. PRESSURE (Patm):	(start) 14.67 (	finish) 14,09	<del>-</del>
		Diw	-173.1	5'			Temp:	21,25°C	20.056	
		to Meas.		Pressure R	eadings (psi)	,	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	/alve (ft) From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ² 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	653	650	222,41	224,04	822.41	22.61	484.40	168.60	653	0744
4	558	556	18/119	184,26	18/119	22,84	392.63	165.37	558	0746
3	346	344	89,01	92.67	89,01	22:35	181.33	164.67	346	0748
2	252	250	48.13	52,60	48.13	21,63	88.89	163.11	252	0750
1	172	170	14,23	22,28	14.23	19,80	18.94	153.06	172	0752
										***************************************
	Comments:	Collar Detect	is 2' above samp	le port	1			<u></u>		<u></u>
		DOIM DOICH	a z more samp	w post						

		WELL ID:	MW-4		**		PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: OF	103/18				SERIAL NO. EMS	2502		-
		LOCATION:	JPL				PROJECT	JPL Pasadena		-
		ELEV. TOP OF	F WASTBAY CASIN	G	1082.84		OPERATOR(S) To He	sava		-
		WEATHER:	Cler	utu.			ATM. PRESSURE (Patm):		(finish) 14.08	-
		DTW	-149,E	150.0	5′		Temp:	2626°C		•
	Depth	to Meas.	T		Readings (psi)			ala alo C	20.67°C	
Port No.	From Log (Op)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Pressure Head Outside 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	513	509	172,53	175,64	172,53	34,51	372.77	140.23	513	1128
4	392	389	119,81	123,20	119.81	23,64	251.79	140.21	392	1130
3	322	319	89.31	92.82	89,31	22,89	181.70	140.30	322	1137
2	240	238	53.57	57,5	53,57	22.02	100.24	139.76	240	1134
1	150	148	14119	22,55	14.19	20,81	19.59	130.41	150	1136
			·		·	·				1125
										1
c	omments: (	Collar Detect is	s 2' above sample	port						
	_									

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

		WELL ID:	MW-11	···			PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: O	8/03/18	<u> </u>			SERIAL NO. 巨M	S 250Z		-
		LOCATION:	JPL				PROJECT	JPL Pasadena		~
		***************************************	WASTBAY CASIN		1139.3		OPERATOR(S)	tang		-
			Clear				ATM. PRESSURE (Patm):	(start) 14,01	finish) 14,03	-
	·	DTU	N-160	5.19'			Temp:	97.46	82.05 C	-
		to Meas. Valve (ft)		Pressure R	eadings (psi)					
Port No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Iлside Casing	Trans. Temp. (oC)	Pressure Head Outside Port (ft) Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port ( it ) DTW = Dp-P(ft)	True Port Depth ( Dp ) ( ft )	Time
5	639	io35	208.56			24.56	418.97	220.03	639 .	1217
4	524	52	159,47	161.38	159,47	23,78	339.98	184.02	524	1219
3	429	427	1)8,52	117.61	118,52	22.05	239.01	189.99	429	1221
2	259	857	44.88	47,41	44,88	20,75	77.05	181.95	259	1223
1	149	147	14.16	23.97	14,16	19,83	22.98	126.02	149	1225
	VIII.									
										·
$\dashv$										
										***************************************
C	comments:	Collar Detect is	s 6" above sampl	e port		····	**************************************			
	_									

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

		WELL ID:	MW-12				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 65	-/03/1	8			SERIAL NO. EM	52502		-
		LOCATION:	JPL				, , , , , , , , , , , , , , , , , , , ,	JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASING	3	1102.14		OPERATOR(S)	barra		-
		WEATHER:	Clear				ATM. PRESSURE (Patm):	(start) 14,64 (	finish) 14,06	<u></u>
		PTW	- 158.5	79			Temp:	a1.55°C	19.01°C	•
	Depth	to Meas.		Pressure R	leadings (psi)		Pressure Head Outside			
Port No.	From Log (Dp)	From Cable	pși Inside Casing	kg/cm² Outside Casing P2	mH ² 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	548	546	184,31	173,17	184.31	21.41	367.11	180.89	548	1147
4	436	435	135.64	132,57	135,64	21,44	273.45	162.55	436	1149
3	323	32)	86.31	84,57	86,31	80.79	162.71	160.29	323	1151
2	243	241	51.55	50,88	51,55	19.73	84.99	158.01	243	1153
1	140	138	14,20	14.14	14,20	19:10	0.23	139.77	140	1155
				·						
C	omments: <u>c</u>	Collar Detect i	s 6" above samp	le port		•				
		***************************************								

		WELL ID:	MW-14				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE:	7/03/1	8			SERIAL NO. EMS	2502		•	
		LOCATION:	JPL ,				PROJECT	JPL Pasadena			
		ELEV. TOP OF	WASTBAY CASING	3	1173.47		OPERATOR(S)	oang			
		WEATHER:	Clear			17.7.7.7.7	ATM. PRESSURE (Patm):	(start) 14403 (	finish) 14,05	-	
		WTD	-192.3	5			Temp:	26,45°C	20.44°C		
		to Meas. (alve (ft)			eadings (psì)		Pressure Head Outside	Depth to Water Outside			
ort No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth ( Dp ) ( ft )	Yime	
5	540	538	166,12	154.55	166,12	24.24	324.18	215.82	540	1012	
4	456	455	129,45	11831	129,45	23,55	240.57	215.43	456	1014	
3	382	370	97,38	86,28	97,38	a1175	166.68	215.32	382	1016	
2	277	375	5157	40,81	51,57	2400	61.78	215.22	277	1018	
1	207	205	21,09	14.13	21,09	20.46	0.23	206.77	207	1020	
						-					
											,
	Comments:	Collar Detect	is 6" above samp	le port	***						·

		WELL ID:	MW-17				PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE: 08	7/03/18	7			SERIAL NO. EMS	7502		_
		LOCATION:	JPL /				PROJECT	JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASING	3	1191.21		OPERATOR(S) T. H	sary		-
		WEATHER:	Clew				ATM, PRESSURE (Patm);	(start) 14.03	finish) 14,05	_
		PTW	-208.1	1'			Temp:		20.33C	•
		to Meas.		Pressure R	eadings (psi)		Pressure Head Outside	Depth to Water Outside		
ort No.	From Log (Dp)	Valve (ft) From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Palm)*2.307 fUpsi)	Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp ) (ft )	Time
5	726	723	234,72	200.34	239,22	20.40	429.82	296.18	726	0807
4	582	580	176,95	145.28	176,95	20136	302.79	279.21	582	08/0
3	468	466	127,50	102,47	127,50	19,66	204.03	263.97	468	0812
2	370	368	85,02	63,33	85,02	18,76	113.74	256.26	370	08/4
1	250	948	32,79	17.12	3279	17,86	7.13	242.87	250	0816
			•		•					
								S 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
(	Comments:	Collar Detect i	is 6" above samp	le port						

		WELL ID:	MW-18				PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE: O	F/03/12	۶			SERIAL NO. EMS	2502		_
		LOCATION:	JPL ,				PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1225.41		OPERATOR(S) T. H	jar		<del>-</del>
		WEATHER:	Clear				ATM. PRESSURE (Patm):	· · · · · · · · · · · · · · · · · · ·	(finish) 14,03	<del></del>
		PTW.	-293.8				Төтр:	20.53°C	······	wa.
		to Meas.		Pressure Readings (psi)			Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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	173,60	184,31	20,98	368.15	315.85	684	0828
4	564	561	132,12	125.23	13212	21,02	256.56	307.44	564	0830
3	424	422	71.22	7090	71,22	80.26	131.22	292.78	424	0832
2	330	327	30.36	32,73	30.36	19.33	43.16	286.84	330	0834
1	270	268	14118	14,17	14,18	18.69	0.35	269.65	270	836
									****	weekling to a second and the later of
										449479,47791.2271
										`
					***					
C	comments:	Collar Detect i	s 6" above samp	le port		· · · · · · · · · · · · · · · · · · ·				

		WELL ID:	MW-19				PROBE TYPE	Westbay Sampler 0-500psi		_		
		DATE: 35	7 7	<u> </u>	· · · · · · · · · · · · · · · · · · ·	-	SERIAL NO. FMS	23UZ		<del></del>		
		LOCATION:	JPL			<del></del>	PROJECT	<b></b>				
		***************************************	WASTBAY CASIN	<del></del>	1142.94		OPERATOR(S)	ans		<del>-</del>		
		WEATHER:	Cleer					ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.08				
		PTU-	139.67				l'emp:	21.69°C 1	9,85°C			
		to Meas. /alve (ft)				~~~	Pressure Head Outside			1		
t No.	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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	498	496	169,57	134.62	169,57	21.05	278.13	219.87	498	0851	•	
1	444	442	146.03	111,33	146,03	20.70	224.40	219.60	444	0853	•	
3	392	389	123,64	94.82	123,64	20.94	186.31	205.69	392	0855	•	
2	314	312	89,75	6/112	89,75	2013	108.57	205.43	314	0857	•	
	242	240	58,52	3143	58,52	19,75	40.07	201.93	242	0859		
-												
$\dashv$									***************************************			
$\dashv$												
$\dashv$												
$\dashv$												
$\dashv$											_	
+											_	
	1										_	
C	omments: _C	Collar Detect i	s 6" above samp	le port								

WELL ID: MW-20	PROBE TYPE Westbay Sampler 0-500psi
DATE: 05/03/18	SERIAL NO. EMS 2502
LOCATION: JPL	PROJECT JPL Pasadena
ELEV. TOP OF WASTBAY CASING 1165.05	OPERATOR(S) To Hours
WEATHER: Geor	ATM. PRESSURE (Palm): (start) 14.03 (finish) 14.02
DTW-239, 88'	Temp: 21.61 C 18.75 C

		o Meas.		Pressure R	eadings (psi)		Pressure Head Outside Depth to Water Outside			
Port No.	Port Vi From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Op) (ft)	Time
5	900	296	301,60	302.08	301.60	21.94	666.38	233.62	900	0701
4	700	696	214.88	204,23	214,88	22,31	438.79	261.21	700	0703
3	562	558	154,88	146,36	154,88	21173	305.29	256.71	562	0705
2	392	389	80.87	78,59	811.87	A0.21	148.94	243.06	392	0707
1	230	878	14,25	14118	14,25	18.81	0.35	229.65	230	0709
		Star A								
						-			40	

Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-21				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 08	-103/18				SERIAL NO. FMS	2502		_
		LOCATION:	JPL			Manual 201		JPL Pasadena		<u>.</u>
		ELEV. TOP OF	WASTBAY CASING	3	1059.10	***************************************	OPERATOR(S) THO	finish) /4/13	_	
		WEATHER:	Clew	·			ATM. PRESSURE (Patm);	er.		
		PTW	-115.82	2'			Temp:	83,81°C 1	9,880	
		to Meas.		Pressure Readings (psi)			Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Op)	Alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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	372	370	126,53	130,07	126,53	22.44	267.57	104.43	372	0934
4	310	3/0	99,57	103,24	99,57	81175	205.67	104.33	310	0936
3	240	238	69.48	73,42	69.48	21,10	136.87	103.13	240	0938
2	161	160	35.04	39,34	35,04	20,39	58.25	102.75	161	0940
1	90	89	14,16	14:13	14.16	19,91	0.09	89.91	90	0942
		,					·			
									. V	
	Comments:	Collar Detect	is 2' above samp	le port						
`	JAHRENIS.	Cona Doitte	13 £ above samp	ne port				**************************************		
	•									

#### WESTBAY™ GROUNDWATER MONITORING WELL WATER I EVEL MEACHDEMENT LOC QUEET

				WAIT	EK LEVEL MEA	SUKEMENT LOG SHE	C1			
	WELL ID:	MW-22				PROBE TYPE	Westbay Sampler 0-500psi			
	DATE: 08	103/18				SERIAL NO. EMS	250Z			
	LOCATION:	JPL				PROJECT	JPL Pasadena			
	ELEV. TOP OF	WASTBAY CASIN	3	1176.98		OPERATOR(S) T. H	Jary			
	WEATHER:	Clear				ATM. PRESSURE (Patm): (start) 14,05 (finish) 14,05				
	Dan	V 72/56	79'			Temp:	22,42°C	20.61°C		
•	to Meas.		Pressure R	leadings (psi)		Pressure Head Outside	Depth to Water Outside			
Port V From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp ) (ft)	Tic	
588	586	176.67	167.23	176.07	32,65	353.39	234.61	588	1031	
467	466	124147	116.79	123,66	1 00	237.02	229.98	467	1033	
389	387	123,66	85,93	89,89	22,10	165.80	223.20	389	1435	
329	388	63,86	59,81	63,86	21174	105.57	223.43	329	1037	
245	243	26,93	24114	26,93	21127	23.28	221.72	245	1039	
		•							·	

Port No.

3

Comments: Collar Detect is 1' above sample port

				***	-17 Print & Print 1419-5-1	OCICERCENT COO OTTE	<b>+</b> •				
	WELL ID:	MW-23				PROBE TYPE	Westbay Sampler 0-500psi		-		
	DATE: Of	103/18				SERIAL NO. EWS 2502					
	LOCATION:	JPL				PROJECT	JPL Pasadena				
		WASTBAY CASING	ì	1108.84		OPERATOR(S) J. /-	oan				
	WEATHER: (	Clear					<u> </u>				
	PTW-138,80' Temp: 27,25'C 21,30'C										
Depth	to Meas.		Pressure R	eadings (psi)		5	Donald to Malon Outside				
Port V om	alve (ft) From	psi Inside Casing	kg/cm² Outside Casing	mH ² O Inside Casing	Trans. Temp.	Pressure Head Outside 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)			
(Dp)	Cable		P2		(00)						
(Op) Cable P2 (OC)						375.44	166.56	542	10		
45	443	146,65	134.83	146.65	23.73	278.59	166.41	445	10		
19	317	91,90	83.49	91,90	22.78	160.15	158.85	319			
	<del> &gt;</del>	<del></del>		<del> </del>	1-15-15-15-15-15-15-15-15-15-15-15-15-15	<del>*************************************</del>			1		

Port No.

Log (Dp) 542

Time

445 319 3 103 253 63,99 55.44 63,99 21.97 172 29.19 22,30 29.19 21.33 95.44 158.56 254 105 18.99 155.01 174 174

Comments: C	Collar Detect is 1' above sample port	
-------------	---------------------------------------	--

		WELL ID:	MVy-24				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE: 08	103 /18				SERIAL NO. EMS &	2502			
		LOCATION:	JPL				PROJECT	JPL Pasadena			
		ELEV. TOP OF	WASTBAY CASING	3	1200.94		OPERATOR(S) T. H	bare			
		WEATHER:	1-211,5				ATM. PRESSURE (Palm):		finish) /4,0/		
		DTU	1-211,5	2'			Temp:	13,67°C E	72105°C		
		to Meas.		Pressure R	eadings (psi)		Pressure Head Outside	Depth to Water Outside			
Port No. From		/alve (ft)	psi Inside Casing		mH ² O Trans. Temp.	Port (ft)	Port(ft)	True Port Depth ( Dp ) (ft )	Time		
	Log (Dp)	From Cable	maide Cashig	P2	maide Gaamg	(oC)	P(ft)=(P2-Patm)*2.307 ft/psi)	DTW = Dp-P(fi)			
5	678	675	216.01	19136	216,01	27.60	409.12	268.88	678	1238	
4	554	552	162,32	141.00	162.32	23.16	292.94	261.06	554	1240	
3	435	433	110.81	92,71	110.81	22.61	181.54	253.46	435	1243	
2	373	371	83,98	66,31	83,98	22,36	120.63	251.37	372	1245	
1	279	277	43,18	25/12	43,18	28,09	32.53	246.47	279	1247	
==											**********
1			l	<u></u>		1	<u> </u>	<del></del>			
1	Comments:	Collar Detect	is I' above samp	le port	***************************************						

		WELL ID:	MW-25				PROBE TYPE	Westbay Sampler 0-500psi			
		DATE:	~/03/18	~			SERIAL NO. ZZL125	2502		<b>-</b>	
		LOCATION:	JPL				PROJECT	JPL Pasadena		-	
		ELEV. TOP OF	WASTBAY CASING	3	934.53		OPERATOR(S)	-			
		WEATHER: (	Clear				ATM. PRESSURE (Patm):	-			
		DTW.	Cleur -245,0.	5'			Temp:	-			
		lo Meas.		Pressure R	leadings (psi)		Pressure Head Outside	Depth to Water Outside	21.50°C		
5 7 4 6 3 5 2 4	Log (Dp) Cable		psi Inside Casing	kg/cm² Outside Casing P2	mH ² 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	710	217.55	206.64	217.55	23,98	444.19	268.81	713	0634	
4	633	630	183,36	171.64	183.76	23,50	363.44	269.56	633	0636	
3	503	50)	127,20	11876	127,20	22.62	241.45	261.55	503	0638	
2	423	421	92,38	87.74	92.38	21.97	169.89	253.11	423	0640	
1	358		63,88	61,29	63.88	21,53	108.87	249.13	358	0642	
				•							
									Frank		!
										-	
c	omments: (	Collar Detret is	s 2' below sampl	e nort							

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

WELL ID:

MW-26

PROBE TYPE

Westbay Sampler 0-500psi

		DATE: OF	103/18				SERIAL NO. EMS		_	
		- 1	JPL				PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1059.08		OPERATOR(S) TI HO	-		
		WEATHER:	Mem	,			ATM. PRESSURE (Patm):	_		
		DTU	164,87	<i>f</i>			Temp:	2380°C	21.83°C	
4.11.		to Meas. Valve (ft)	psi	Pressure R	eadings (psi) mH ² O		Pressure Head Outside	Depth to Water Outside	True Port Depth (Dp)	Time
ort No.	From Log (Dp)	From Cable	Inside Casing	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)	1406
2	215	211	78,44	54,74	78.44	82,87	93.71	121.29	215	0915
1	135	132	43,60	20,62	43,60	21,75	15.00	120.00	135	0917
									****	
								V		
	Comments:	Collar Detect	is 2' below samp	ole port						
			······································							