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 WestbayTM multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26) obtained during the 1st Quarter 2021. Water level measurements were recorded before the sampling event on March 19, 2021, for the relatively shallow standpipe monitoring wells and March 19, 24, 25, and 26, 2021 for the WestbayTM multiport wells. Water level measurements were recorded after the sampling event on April 1, 2021, for the relatively shallow standpipe monitoring wells and the WestbayTM multiport wells. Water levels for the shallow wells were measured using a SolinstTM water level meter. In the deep multiport wells, the hydraulic head at each sampling port was measured with a WestbayTM MOSDAX sampling probe. Water level measurements were conducted by Blaine Tech Services, Inc.

WELL GAUGING DATA

Project #	2/03/9-44	Date _0.3 /19 /	/2/	Client Tidewater	_
				-	
Site	JPI	Pasadena	CA		

	Well Size	Time	Sheen /	Depth to	Thickness of Immiscible	Volume of Immiscibles	Depth to water	Depth to	Survey	
Well ID	(in.)	Gauged	Odor	Liquid (ft.)	Liquid (ft.)	Removed (ml)	(ft.)	(ft.)	or TOC	
MW-1	4	0965		 			25.22	Ded		
MW-5	4	1144		; ; ; t			133.91	135.36	,	1
MW-6	4	1100		6 1 5 1 1	ı		DRY	238,13		
MW-7	4	1525		1 1 2 5 5 6			DRY	267,24		
MW-8	4	1300		1 1 1 1 1			DRY	201.66		
MW-9	4	0900					19.45	Ded pump		
MW-10	4	1135					DRY	153,23	5	
MW-13	4	1335					DRY	234.16		
MW-15	4	1256					30,94	Ded pump		
MW-16	4	1516	2			-	283.64			7
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	WELL ID.	WAA-2				PROBE TYPE			
	DATE: 03	119/21				SERIAL NO. FINS	3502		-
	LOCATION:	JPL				PROJECT	JPL Pasadena		_
	ELEV. TOP OF	WASTBAY CASIN	G	1100.34		OPERATOR(S)	tom		_
	WEATHER:	Clear				ATM. PRESSURE (Patm):	(start) 14.16 (finish) 17.18	_
	PTW	-194, 5	0			Temp:	17,52	18,32C	
	to Meas.		T	eadings (psi)		Pressure Head Outside	Depth to Water Outside		
From Log (Dp)	From Cable	psi kg/cm² mH²O Trans, Temp. Inside Casing Outside Casing Inside Casing (oC)				Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time
653	651	214.27	217.23	214.27	18,47	468.48	184.52	653	0923
558	556	172,99	176.41	172,99	18.85	374.31	183.69	558	0925
346	344	80,73	84,70	80.73	18.83	162.74	183.26	346	0927
252	250	39:79	44,84	39,79	18,68	70.78	181.22	252	0979
172	170	1424	16,54	14.24	18,37	5.49	166.51	172	0931
							to extraord		
									7
Comments:	Collar Detect	is 2' above samp	le port						

Port No.

3

	WELL ID:	MW-4				PROBE TYPE	Westbay Sampler 0-500psi		
	DATE: 03	119/21				SERIAL NO. EMS 7	2507		•
	LOCATION:	JPL				PROJECT	JPL Pasadena	**************************************	•
	ELEV. TOP OF	WASTBAY CASING	3	1082.84		OPERATOR(S) T 14	7/4/)		•
	WEATHER:	Clear				ATM. PRESSURE (Patm):	(start) 14(13)	finish) 19,15	•
	DTW	-16/195			-	Temp:	21.51	20.096	•
	to Meas.		Pressure R	leadings (psi)		Pressure Head Outside	Depth to Water Outside		
From Log (Dp)	From Cable	psi kg/cm² mH²O Trans. Temp. Inside Casing Outside Casing Inside Casing (oC)				Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time
513	511	167.47	167,34	167,47	21,30	353.46	159.54	513	1212
392	390	114,80	114,97	114,80	21,50	232.64	159.36	392	1214
322	320	84,29	84.86	84,29	\$1,45	163.17	158.83	322	1216
240	238	48,52	49.63	48.52	21,29	81.90	158.10	240	1218
150	148	14,26	1426	14,26	20.41	0.30	149.70	150	1819
			,	•					
nments:	Collar Detect i	s 2' above sampl	e port						

Port No.

5

3

WELL ID: MW-11	PROBE TYPE Westbay Sampler 0-500psi
DATE: 03/19/2/	SERIAL NO. EMS 250Z
LOCATION: JPL	PROJECT JPL Pasadena
ELEV. TOP OF WASTBAY CASING 1139.3	OPERATOR(S) To Hoans
WEATHER: Clear	ATM. PRESSURE (Patm): (start) 74,13 (finish) 14,13
DTW-208,58'	Temp: 25.28°C 20.60°C

	Depth to Meas.			Pressure R	eadings (psi)			3,777.0		
Port No.	Port V From Log (Dp)	alve (ft) From Cable	psi Inside Casing	kg/cm ^z Outside Casing P2	mH ² O Inside Casing	Trans. Temp. (oC)	Pressure Head Outside Port (ft) P(ft)=(P2-Palm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
5	639	637	200,20	177.63	200.20	24114	377.19	261.81	639	1347
4	524	583	150,73	150,99	150,73	23,43	315.74	208.26	524	1349
3	429	487	109,55	109.06	109,85	22,37	219.00	210.00	429	135/
2	259	257	3612	40,17	36,21	21193	60.07	198.93	259	1353
1	149	147	14,20	21,59	14,20	2407	17.21	131.79	149	1355
	,					****				**************************************
						***************************************		· · · · · · · · · · · · · · · · · · ·		
										7 · · · · ·

Comments:	Collar Detect is 6" above sample port

		WELL ID:	INIAA-17				PROBE TIPE		-		
		DATE: ().	3/19/21				SERIAL NO. EMS,	2502			
		LOCATION:	JPL				PROJECT	JPL Pasadena			
			WASTBAY CASING		1102.14		OPERATOR(S) [. /-	toas			
		WEATHER:	Clear				ATM. PRESSURE (Palm):	(start) 14,16 (finish) /4/18		
		DTU	Clear N-143,				Temp:	17.61C	18:09 C		
		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 ² 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	548	547	190.67	154,23	190.67	19,45	323.14	224.86	548	1234	
4	436	434	141,99	123.11	141,99	19,31	251.35	184.65	436	1236	
3	323	322	92,93	77.03	92,93	19,32	145.04	177.96	323	1238	
2	243	241	58,05		58.05	18.90	66.63	176.37	243	1240	
1	140	139	14,20	14,25	14.20	<i>18,56</i>	0.21	139.79	140	1241	
	ACCOUNT OF THE PARTY OF THE PAR										
	Comments:	Collar Detect	is 6" above same	ole port			and the second s				

		WELL ID:	MW-14				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 03	119/21				SERIAL NO. EMS	750Z		" -
		LOCATION:	JPL				PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1173.47		OPERATOR(S) T, HC			
		WEATHER:	Clean				ATM. PRESSURE (Patm):	. 1111 71	finish) 14/13	_
		DTW.	- 195,64	<i>l</i> '			Temp:	19,400	20.05°C	
		to Meas.		Pressure R	eadings (psi)		Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Op)	Valve (ft) psi kg/cm² mH²O Trans. Temp. From Inside Casing Outside Casing Inside Casing (oC) P2		Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time			
5	540	539	164.69	149,05	164.69	30,05	311.33	228.67	540	1114
4	456	455	138.17	112.76	128,17	80,33	227.61	228.39	456	1116
3	382	381	95,99	86.67	95,99	20,36	153.58	228.42	382	1118
2	277	277°	5111	35,02	5117	20117	48.26	228.74	277	1119
1	207	206	50,18	14120	50:18	19,99	0.23	206.77	207	(Ial
			19170	,	19.70					,
									-	
(Comments:	Collar Detect	is 6" above samp	ole port						

Port No.

	WELL ID:	MW-17				PROBE TYPE	Westbay Sampler 0-500psi		_
	DATE: 03	125/21				SERIAL NO. EMS	252		_
	LOCATION:	JPL			***************************************	PROJECT	JPL Pasadena		_
	ELEV. TOP OF	WASTBAY CASING	3	1191.21	***************************************	OPERATOR(S) II H	acij		_
	WEATHER:	(lear				ATM. PRESSURE (Patm):	(start) /3.2/	finish) /3,99	_
	DTW-	209.40				Temp:	13.472	17,09°C	-
	to Meas.		Pressure R	eadings (psi)		Pressure Head Outside	Depth to Water Outside		
From Log (Dp)	From Cable	psi Inside Casing	kg/cm ^t 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
726	72k	238.82	186,02	238.82	17,12	396.92	329.08	726	0757
582	582	17643	128.88	176,43	18124	265.10	316.90	582	0759
468	467	126.96	95,14	12696	18117	187.26	280.74	468	0801
370	370	84.37	55.52	84,37	17,76	95.86	274.14	370	0803
250	349	33115	14119	32.15	17,29	0.51	249.49	250	0805
)			
									The state of the s

Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-18	**************************************			PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE: 0	3/19/2	<u> </u>			SERIAL NO. 15 MS	2502		_
		LOCATION:	JPL				PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1225.41		OPERATOR(S) T. H	1 cuy		
		WEATHER:	Clear				ATM. PRESSURE (Palm):	(start) 14,69 (finish) 14,15	•
	•	DTW-0	294.55					14.70°C	17.79 0	•
		to Meas. alve (ft)			eadings (psi)		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	Yrans. Temp. (oC)	Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time
5	684	682	184.01	160.71	154,01	16,53	338.25	345.75	684	0836
,	564	562	131.90	113,62	131196		229.62	334.38	564	n838
	424	472	71,11	63,35	7111	18,01	113.64	310.36	424	0839
	330	325	30,16	33,47	30,16	17.87	22.79	307.21	330	0841
	270	268	19,21	14.R3	14,21	17.76	0.32	269.68	270	0843
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_										
\perp										
_		·								
C	Comments:	Collar Detect i	s 6" above samp	le port						

WELL ID: MW-19	PROBE TYPE Westbay Sampler 0-500psi
DATE: 03/19/2/	SERIAL NO. 7M 5 250 Z
LOCATION: JPL	PROJECT JPL Pasadena
ELEV. TOP OF WASTBAY CASING 1142.94	OPERATOR(S)
WEATHER: (lew	ATM. PRESSURE (Patm): (start) 17, // (finish) /9, /3
PTW-141.38	Temp: 24,42 C 21,060

		to Meas.		Pressure R	eadings (psi)				*************************************	
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	498	496	168,77	116,17	168.77	83,46	235.45	262.55	498	1421
4	444	442	145,35	92,96	145.35		181.91	262.09	444	1423
3	392	390	123,95	85,5	122,95			227.28	392	1425
2	314	312	88,95	52,07	8895	21.71	87.57	226.43	314	1427
1	242	241	57.64	32,59	57.64	21.12	19.56	222.44	242	1429
		,								•
										······································

Comments: Collar Detect is 6" above sample port

		WELL ID:	MW-20				PROBE TYPE	Westbay Sampler 0-500psi		_	
		DATE: C)	119/21				SERIAL NO. EMS	2502		_	
		LOCATION:	JPL				PROJECT	JPL Pasadena		_	
		ELEV. TOP OF	WASTBAY CASIN	G	1165.05		OPERATOR(S) THE	in		_	
		WEATHER:	Geor				ATM. PRESSURE (Patm):		finish) / 4, 22	_	
		DTW-	-243,2	7			Temp:	17,05%	18.56	-	
		to Meas.		Pressure R	eadings (psi)		Pressure Head Outside	Depth to Water Outside			
rt No.	From Log (Dp)	/alve (ft) 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)	True Port Depth (Dp) (fl)	Time	
5	900	897	300:11	294.84	300.11	17,36	647.46	252.54	900	3754	
4	700	697	213.22	196,47	213,22	19.50	420.52	279.48	700	0750	
3	562	56 159,17 143,09 154,7 19,87				19,87	295.07	266.93	562	0758	
2	392	389	153,10	71,01	153,40 79,51	19,35	131.08	260.92	392	0800	
1	230	226	14,23	14,24	14183	18.64	0.12	229.88	230	0802	
										·	
(Comments:	Collar Detect i	is 6" above samp	ole port							

	WELL ID:	MW-21				PROBE TYPE	Westbay Sampler 0-500psi	
	DATE: 0.3	119/21				SERIAL NO. EMS	2502	
	LOCATION:	JPL				PROJECT	JPL Pasadena	
		WASTBAY CASING	3	1059.10		OPERATOR(S) 7.)-/	our	
	WEATHER:	clean_	·			ATM. PRESSURE (Palm):	The same	(finish) 14/15
	PTU	- 117, Q.	£'			Temp:	20,57°C	19,84°C
	o Meas.		Pressure R	eadings (psi)				·
Va	ilve (ft) From Cable	psi inside Casing	kg/cm² Outside Casing P2	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) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)

	Depth to Meas. Port Valve (fl)			Pressure R	teadings (psi)					
Port No.	From Log (Dp)	alve (fl) 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	372	371	125,85	123.48	125.85	20.23	252.18	119.82	372	1037
4	310	369	98.78	96,64	98.78	20,39	190.26	119.74	310	1039
3	240	240	68.83	66.74	68,82	30,21	121.28	118.72	240	1041
2	161	101	34,40	双157	34.40	20102	42.45	118.55	161	1043
1	90	89	14,19	14/22	1419	19,84	0.12	89.88	90	104.5
		,								

Comments:	Collar Detect is 2' above sample port

		WELL ID:	MW-22				PROBE TYPE	Westbay Sampler 0-500psi		_	
		DATE: 03/	124/21				SERIAL NO. EMSA	502		-	
		LOCATION:	JPL				PROJECT	JPL Pasadena			
		ELEV. TOP OF	WASTBAY CASING	3	1176.98		OPERATOR(S) [, HO	as		_	
		WEATHER:	Com				ATM. PRESSURE (Patm):	(start) /7,03 (finish) 14,06	-	
		PTW	-221.4				Тетр:	17,08 °C	finish) 14,06 20,39°C		
		to Meas.			leadings (psi)	Y	Pressure Head Outside	Depth to Water Outside			
rt 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	588	587	173,87	156,31	173,87	19,67	328.24	259.76	588	0729	
4	467	466	121,45	107,30	121,45	20172	215.17	251.83	467	0731	
3	389	387	87,65	78.87	87,65	20.93	149.59	239.41	389	0733	
2	329	328	61159	52,70	61159	30,82	89.21	239.79	329	0735	
1	245	244	24163	16,10	24163	20,57	4.78	240.22	245	0737	
				,							
	Comments:	Collar Detect	is 1' above samp	le port							

		WELL ID:	MW-23		************		PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE: 0	3/26/2	<u>/</u>			SERIAL NO. EMS	2502		_
		LOCATION:	JPL	·			PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASIN	G	1108.84		OPERATOR(S) 1, H	2000		
		WEATHER:	Cherry	***************************************			ATM, PRESSURE (Patm):	(start) 14/11 (finish) 14:07	_
		DTU	V-14/10				Тетр:	13,100	19,75°C	
		to Meas. Valve (ft)		T	leadings (psi)	·	Pressure Head Outside	Depth to Water Outside		
	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
	542	542	18802	166.53	188:02	17.57	351.63	190.37	542	0727
	445	444	175,98	124161	145,98	18,99	254.92	190.08	445	0729
	319	318	9434	76,05	91,34	19,60	138.28	180.72	319	0731
	254	253	63,15	47.86	63.15	19,76	77.86	176.14	254	07.3.3
	174	173	88,35	14115	28,35	19,73	0.09	173.91	174	0735
1										
	No. 100 100 100 100 100 100 100 100 100 10									
1	·									
1										
	×									
(Comments:	Collar Detect	is 1' above samp	le port						

Port No.

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3

		WELL ID:	MW-24				PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE: 03	1/19/21	,		*************************	SERIAL NO. EMS	2502		
		LOCATION:	JPL		·		PROJECT	JPL Pasadena		_
		ELEV. TOP OF	WASTBAY CASING	3	1200.94		OPERATOR(S) 7 /-	loan		_
		WEATHER:	11em				ATM. PRESSURE (Patm):	(start) 19,09 (finish) 19,07	_
		DTU	1-232,9	5'			Temp:	83,79°C	23,046	
		to Meas.			leadings (psi)		Pressure Head Outside	Depth to Water Outside		
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-Palm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (-ft)	Time
	678	676	\$07.15	176:71	207,15	22,89	375.16	302.84	678	1453
	554	552	153,46	129,83	153,46	82,83	267.01	286.99	554	1455
	435	433	10170	8498	101,90	22.67	163.54	271.46	435	1457
	373	371	75,08	58,24	75,08	88.55	101.85	271.15	373	1459
	279	277	34,38	18:05	34,28	23,89	9.14	269.86	279	1501
	-									
	Comments:	Collar Detect	is 1' above samp	le port						

Port No.

5

		WELL ID:	MW-25				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 33	119/21				SERIAL NO. FINS	4		• -
		LOCATION:	JPL				PROJECT	JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASIN	G	934.53		OPERATOR(S) T. HOCK	<u>'</u>		
		WEATHER:	Geor		-	alle to the first the state of	ATM. PRESSURE (Patm):	(start) 19,20 (finish) 14,72	-
		DTW	-248.77	7			Temp:	10,01°C	18,88C	
		to Meas. /alve (ft)		· · · · · · · · · · · · · · · · · · ·	eadings (psi)	r	Pressure Head Outside	Depth to Water Outside		
	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)	Port (ft)	True Port Depth (Dp) (ft)	Time
	713	711	216,04	315.47	216,64	14,49	464.33	248.67	713	0719
	633	631	181.66	181.48	181166	16:17	385.91	247.09	633	0720
1	503	502	125,38	125,78	125,38	17,43	257.42	245.58	503	1722
	423	421	90,67	91.17	90,67	18:06	177.57	245.43	423	0723
	358	356	62,44	62.84	62,44	18.44	112.21	245.79	358	0724
							ŕ			
I										
I										
(Comments:	Collar Detect	is 2' below samp	le port	-	•				

PROBE TYPE

Westbay Sampler 0-500psi

WELL ID: MW-26

		DATE: 03	119/21				SERIAL NO. EINS	950Z		•	
		LOCATION:	JPL					JPL Pasadena			
			WASTBAY CASING		1059.08		OPERATOR(S) 7 H	0000		•	
		WEATHER:	Clear				ATM. PRESSURE (Patm):		finish) /4:18		
		DTW	<u>Clear</u> -59,23	3 '			Temp:	17,58°C	finish) 14,18 18,40°C	•	
		to Meas.		·	eadings (psi)		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-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time	
2	215	211	81,52		81,52		74.47	140.53	215	095[_
1	135	132	46,73	14,26	46,73		0.30	134.70	135	0953	_
											_
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											_
(Comments:	Collar Detect	is 2' below samp	le port							
	_						***************************************				-

WELL GAUGING DATA

Project # <u>2/</u>	0319-1411	Date <u>04/01/21</u>	Client _	Tidewater
Site	JPL	Dasadena	CA	

	Well Size	Time	Sheen /	Depth to Immiscible	Thickness of Immiscible	Volume of Immiscibles	Depth to water	Depth to	Survey	
Well ID	(in.)	Gauged	Odor	Liquid (ft.)	Liquid (ft.)	Removed (ml)	(ft.)	(ft.)	or TO	
MW-1	4	0925		2 3 4 1 2 2			24.53	Del Domo		
MW-5	4	1450					133,82	135,36		
MW-6	4	1032					DKY	238.14		
MW-7	4	1442		: : : :			DRY	267.R		1
MW-8	4	1136		1 1 2 5 5			DRY	201.63		1
MW-9	Ц	0928		1			16.85	Ded NUMP	i i i i i i i i i i i i i i i i i i i	1
MW-10	4	1110		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			DRY	153,24		1
MW-13	4	1114		# 			DRY	23416	ל	1 1 1 1 1
MW-15	4	1431		t t t t			30.59	Decl NUMP		
MW-16	4	1435		£ £ £ E E			283.55	D84,35		
1		1		1 2 5 5 5 7			1 5 3 5 5 2 8		# # # # 4 1	
) ; ; ;		† 1 2 4 1 1		1 2 4 6 8			1 1 1 1 1 1		1 1 1 1 1 1 1 1	1
1		1 1 1 1		1 1 2 1 1		1	£ £ £		E t t t	; ;
1 1 1 1 2		1		t t t t					; ; ; ; ; ;	
		† † 5 5 4 †		t 1 1 1 1 5		; ; ; ; ;	1 3 4 1 1	: : : : : :	; ; ; ; ;	
1		1 2 2 3		! ! ! !		t t	 	1 	f f f f f	
		1 1 1 1		; ; ; ;			1 5 4 6	1 1 1 1 4	: : : : :	

WELL ID: MW-3	PROBE TYPE Westbay Sampler 0-500psi
DATE: 03/01/2/	SERIAL NO. EHYS 252
LOCATION: JPL	PROJECT JPL Pasadena
ELEV. TOP OF WASTBAY CASING 1100.34	OPERATORIS) 1. Holas
WEATHER: Clear	ATM. PRESSURE (Patm): (stert) 19,05 (finish) 14,08
DTW-196.11	Temp: 19,49 19,17°C

		to Meas.		Pressure R	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	653	651	21346	217,40	21346	80,05	469.13	183.87	653	0913
4	558	5560	172.19	176,59	172,19	20.10	374.98	183.02	558	09115
3	346	344	79,93	84.99	79.013	19.76	163.66	182.34	346	0917
2	252	251	31.01	45.01	39.01	19.46	71.42	180.58	252	0919
1	172	170	14.16	17.19	14.16	19.11	7.24	164.76	172	0921
									M # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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						<u>, in</u>				

Comments:	Collar Detect is 2' above sample port

		WELL ID:	MW-4				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE:	7/1/21				SERIAL NO. CMS	2502		•
		LOCATION:	JPL	**************************************	****		PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	3	1082.84		OPERATOR(S) (.He	inderson/1.Ho	TONIG	
		WEATHER:	Cloudy				ATM. PRESSURE (Palm):		(inish) 14.07	
······································	<u> </u>	1741	165	24			Temp:	23.16.4	20.629	
		to Meas. /alve (ft)			eadings (psi)	·	Pressure Head Outside	Depth to Water Outside		
Port No.	From Log (Op)	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) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
5	513	511	16591	167.56	165.91	22.78	354.22	158.78	513	1342
4	392	1390	113,22	115014	113.22	22.62	233.28	158.72	392	1245
3	322	320	82.72	84.84	82.72	22.37	163.38	158.62	322	13 46
2	240	238	46.96	49.70	46.96	21.95	82.31	157.69	240	13 48
1	150	148	14.18	14.19	14.18	21.16	0.39	149.61	150	1350
				:						
						·				
(Comments:	Collar Detect	is 2' above samp	le port					***************************************	
				,						

		WELL ID:	MYY-11				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE:	1121				SERIAL NO.	45 4504		
		LOCATION:	JPL	alah panghananay maga panghan ay panghan sa		-	PROJECT	JPt. Pasadena		
		ELEV. TOP OF	WASTBAY CASING	~~~	1139.3	***************************************	OPERATOR(S) (142)	nderson/T. H.	200/5	
		WEATHER:	<u>C1804.51</u>	71/1/1			ATM. PRESSURE (Palm):	(start) 14.03 (f	inish) 17,06	
		DIU	<u>- 208.</u>	.80'			Temp: _/	31.08°C	21.668	**
	Depth	to Meas. (alve (ft)		· · · · · · · · · · · · · · · · · · ·	eadings (psi)		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-Patm)*2.307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time
5	639	637	200.08	177.13	200.08	27.78	376.27	262.73	639	1117
4	524	523	150.62	150.91	150.62	20,29	315.78	208.22	524	1/19
3	429	427	109.73	109.08	109.73	25.04	219.28	209.72	429	1/22
2	259	257	36.11	40.79	36.11	23.40	61.74	197.26	259	1/25
1	149	147	14,14	22.26	14.14	22.30	18.99	130.01	149	1128
										1
(Comments:	Collar Detect	is 6" above sam	ole port						
	-									

		WELL ID:	MW-12				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: එ	4/01/21				SERIAL NO. E 1115	7507		_
		LOCATION:	JPL				PROJECT	JPL Pasadena		_
			WASTBAY CASING	3	1102,14		OPERATOR(S) 7. /	bass		_
		WEATHER:	Dear				ATM, PRESSURE (Palm):		finish) 14/05	*
		DTW	143,88	» {			Temp:	14,876	19,19°C	_
		to Meas. /atve (ft)			eadings (psi)	,	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)	Tíme
5	548	546	190.45	153,71	190.45	19,95	322.24	225.76	548	1402
4	436	434	141,82	123.0	141,82	20,30	251.42	184.58	436	1404
3	323	321	98.74	77,13	92,74	20-13	145.57	177.43	323	
2	243	1341	57,89	43.30	57,89	19,82	67.53	175.47	243	1408
1	140	138	1411	14.16	19,11	19.40	0.30	139.70	140	1410
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,					,		
	Comments:	Collar Detect	is 6" above same	ole port						

		WELL ID:	MW-14				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: /} C	1/0//2/				SERIAL NO. EMS	7502		
		LOCATION:	JPL	****			PROJECT	JPL Pasadena		
			WASTBAY CASING	****	1173.47		OPERATOR(S)	niem.		
		WEATHER:	Clear		**************************************	Maringian ampangandas	ATM. PRESSURE (Patm):	(start) 14/02 (finish) 14,03	
		DTW	<u> 196.0</u>	1			Тетр	22,39°C	21:0910	
		to Meas.		·	leadings (psi)		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-Patm)*2.307 ft/psi)	Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
5	540	539	164.35	148.89	164.35	82.6	311.15	228.85	540	/037
4	456	454	127,93	112,62	127.43	22,49	227.47	228.53	456	1039
3	382	'38(95.54	80,50	95.54	22,20	153.37	228.63	382	1041
2	277	277	50.AX	34,87	50.00	R1,51	48.10	228.90	277	1043
1	207	306	60.0X	14.19	50 02 HH7	21.13	0.39	206.61	207	1095
		7.00	11117	Ì	17 (1 (7					
(Comments:	Collar Detect	is 6" above same	ole port						

Port No.

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		WELL ID:	MW-17			· · · · · · · · · · · · · · · · · · ·	PROBE TYPE	Westbay Sampler 0-500psi		_
		DATE:	4/0//21				SERIAL NO. EMPS	150Z		
		LOCATION:	JPL				PROJECT	JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASING	3	1191,21	***	OPERATOR(S) 1, H	1aus		•
		WEATHER:	Clear				ATM. PRESSURE (Palm):		finish) 1404	
		DIN	-209.41	,			Temp:	50.10 C	18.57°C	
		to Meas.		·	eadings (psl)		Pressure Head Outside	Depth to Water Outside		
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH ^Z O Inside Casing	Trans. Temp. (oC)	Port (ft) P(ft)≃(P2-Patm)*2,307 ft/psi)	Port (ft)	True Port Depth (Dp) (ft)	Time
	726	725	83.57	179,34	23.57	19,98	381.39	344.61	726	0825
	582	581	176.42	12668	176,42	30,10	259.91	322.09	582	0827
	468	467	126,98	93.42	126,98	19,75	183.18	284.82	468	0829
	370	309	84,20	55,06	84,26	19,22	94.68	275.32	370	083
	250	249	3217	14.15	32.17	18,61	0.30	249.70	250	0833
I										
I										
-	Comments:	Collar Detect	is 6" above sam	ple port						

		WELL ID:	MW-18				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE:	11/21				SERIAL NO. EMS	2502		,
		LOCATION:	JPL					JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	}	1225,41		OPERATOR(S) L. HEM	<u>deison / T. H</u>	oon h	
		WEATHER:	clear	sunny			ATM. PRESSURE (Palm):		finish) 1403	
	D	70	294.6	0			Temp:	19.01%	18.76°	<u> </u>
		to Meas.		Pressure R	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) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
5	684	682	183.86	159.73	183.86	20.39	336.18	347.82	684	0847
4	564	562	131.72	113.01	131.72	20.62	228.39	335.61	564	0849
3	424	422	70.92	63.30	70.92	20.25	113.71	310.29	424	08 52
2	330	328	29,94	24204	29.94	19.39	23.14	306.86	330	08 55
1	270	268	14.16	14.25	14.16	19.04	0.55	269.45	270	0858
			·							
	Comments:	Collar Detect	is 6" above same	ole port						

		WELL ID:	MW-19				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE:	1/1/21				SERIAL NO. EMS	4502		
		LOCATION:	JPL	·			PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	3	1142.94	*******	OPERATOR(S) T. HC	rang/L. Hendi	eisen	
		WEATHER:	clear, S				ATM. PRESSURE (Patm):		linish) 14.04	
	,	- UTO	141.60		1.00		Temp:	16.49°C	18.4400	•
		to Meas. /alve (ft)		,	eadings (psi)		Pressure Head Outside	Depth to Water Outside	,	
Port No.	From Log (Op)	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 fUpsi)	Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ff)	Time
5	498	496	168.71	115.51	169.71	18.25	234.07	263.93	498	0754
4	444	442	145.27	92.34	145.27	18.60	180.62	263.38	444	0757
3	392	1390	122.69	8525	122.69	19.03	164.26	227.74	392	0759
2	314	312	88.84	51.81	88.84	19.18	87.11	226.89	314	0802
1	242	241	5257	22.42	57.57	18.67	19.31	222.69	242	0805
		,				- <u></u>				
										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ı	Comments:	Collar Detect	is 6" above samp	ole port						

WELL ID: MW-20	PROBE TYPE Westbay Sampler 0-560psi
DATE: 09/01/21	SERIAL NO. EMS 250 2
LOCATION: JPL	PROJECT JPL Pasadena
ELEV. TOP OF WASTBAY CASING 1165.05	OPERATOR(S)
WEATHER: Clear	ATM. PRESSURE (Palm): (start) 14,03 (finish) 14,06
DTW-243,24'	Temp: 17,62°C 18,97°C

		to Meas.		Pressure R	eadings (psi)					I
Port No.	Port V 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	900	8-17	300:11	294,40	300.11	18.68	646.81	253.19	900	0725
4	700	697	313.11	195.33	2/3.//	20,40	418.26	281.74	700	0787
3	562	561	153/13	141/10	153,13	20151	293.15	268.85	562	07.39
2	392	390	79138	70.71	79,38	19,95	130.76	261.24	392	0731
1	230	238	14115	14,16	14,15	19,01	0.30	229.70	230	0733
			· ·	'						
										1

Comments:	Collar Detect is 6" above sample port

		WELL ID:	MW-21				PROBE TYPE			
		DATE:	11/2				SERIAL NO. EMS			
		LOCATION:	JPL				PROJECT			
		ELEV. TOP OF	WASTBAY CASING	<u> </u>	1059.10		OPERATOR(S) / HA	ndersan / T.A	loons	
		WEATHER:	Clear, Su	nn√			ATM. PRESSURE (Patm):	(start) 14.07 (inish) 14.//	
		UTO	-117	71			Temp:	24.17°C	20.148	·
		to Meas.		Pressure R	eadings (psi)	14	Pressure Head Outside	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Op) (ft)	
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-Palm)*2.307 ft/psi)			Time
5	372	271	125.61	123.30	125.61	23.09	251.99	120.01	372	1001
4	310	309	99.62	96,44	98.62	22.55	190.03	119.97	310	100'3
3	240	240	(28 58	66.57	68 58	31.11	121.12	118.88	240	1006
2	161	161	34.18	32,37	34.18	20.48	42.22	118.78	161	1009
1	90	89	14.15	14.18	14.15	20.24	0.25	89.75	90	1012
(Comments:	Collar Detect	is 2' above samp	le port						

	WELL ID:	MW-22				PROBE TYPE			
	DATE: 09	101/21				SERIAL NO. FT/15	_		
	LOCATION:	JPL				PROJECT		_	
	ELEV. TOP OF	WASTBAY CASING	3	1176,98		OPERATOR(S) / / //	100		_
	WEATHER:	Clear				ATM. PRESSURE (Patm):	(start) 14,02 (finish) 14,03	_
	DTW	- 222,5	5/			Temp:	24,980	22,91c	
	to Meas.		· · · · · · · · · · · · · · · · · · ·	leadings (psi)	·	Pressure Head Outside	Depth to Water Outside		
From From Log (Dp) Cable		Inside Casing Outside	kg/cm ^x 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
588	586	173,84	15Tor16	173,24	24.45	327.92	260.08	588	1369
467	466	120:37	167,18	120,87	2411	214.92	252.08	467	13/1
389	387	87.04	78.87	87,04	23,73	149.61	239.39	389	1313
329	387	61.01	52.69	6401	23. RI	89.21	239.79	329	1315
245	244	24.10	16.32	24,10	22.65	5.08	239.92	245	1317
									B
									-

Port No.

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Comments: Collar Detect is 1' above sample port

		WELL ID:	MW-23				PROBE TYPE			
		DATE: O	4/01/21				SERIAL NO. EMS	2502		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	3	1108.84		OPERATOR(S)	loan		
		WEATHER:	Clear				ATM, PRESSURE (Patm):	(start) 14,04 (1	inish) 14,05	
		DTW-	- 141,8	4'			Temp:	95,19 C	21.890	
		to Meas.			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)	Tìme
5	542	541	187,78	166,14	187.78	24.72	350.89	191.11	542	1193
4	445	444	145,83	12424	145.83	83,98	254.23	190.77	445	1145
3	319	318	9/118	76,08	91,18	N3.5	138.51	180.49	319	1147
2	254	853	6314	47.92	63,14	22.93	78.16	175.84	254	1149
1	174	173	28.30	14.16	28.30	22,45	0.28	173.72	174	/151
				,						*
(Comments:	Collar Detect	is 1' above samp	le port						

		WELL ID:	MW-24				PROBE TYPE			
		DATE:	<u> 1/1/21 </u>				serial no. EMS	2502		
		LOCATION:	JPL					JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING	}	1200.94	*************	OPERATOR(S) (HEY	nderson /1. K	GC4994	
		WEATHER:	<u>claudu </u>				ATM. PRESSURE (Palm):	(start) 14.67 (finish) 13.98	
		DTU	<u>- 2/3</u>	5.44			Temp:	19.45%	22.20	(
		to Meas. /aive (ft)		}	eadings (psl)	Y	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	678	676	205.77	176.40	205.77	91.10	374.63	303.37	678	1422
4	554	552	152.28	129.63	162.28	21.46	266.74	287.26	554	1425
3	435	433	100.70	24,99	100.70	21.59	163.75	271.25	435	7427
2	373	37/	73.82	68,46	73.92	21.68	102.55	270.45	373	1430
1	279	277	33 ,06	19.11	33.05	QL 91	11.77	267.23	279	1432
			``			.,				
										<u> </u>
					-					general and the state of the st
	Comments:	Collar Detect	is I' above samp	le роп			<u></u>			
,			s and e samp							

		WELL ID:	MW-25				PROBE TYPE			
		DATE: 07	1/0//2/	<i>,</i>			SERIAL NO. EMS	250Z		_
		LOCATION:	JPL JPL				PROJECT	JPL Pasadena		-
		ELEV. TOP OF	WASTBAY CASING	3	934.53		OPERATOR(S)	10cm /1.1	Yenderson	
		WEATHER:	Clean				ATM. PRESSURE (Patm):	(start) /4, // (finish) 14.13	
		DTW-	9486	0			Temp:	19.60	20.48	•
		to Meas. falve (ft)		·	eadings (psi)	T	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) (R)	Time
5	713	7/1	216.07	21550	216.07	20.27	464.61	248.39	713	0652
4	633	1631	181.62	181.50	18/62	20.73	386.17	246.83	633	0655
3	503	502	125.37	125,80	125.37	20.82	257.67	245.33	503	J658
2	423	1421	90.66	91.18	90.66	20,73	177.80	245.20	423	0700
1	358	356	62-38	62.92	62.38	20.63	112.37	245.63	358	0707
	i		,							
									.,	
c	Comments:	Collar Detect	is 2' below samp	le port	·	· · · · · · · · · · · · · · · · · · ·				
		/								

		WELLIO:	MW-26				PROBE TYPE	Westbay Sampler 0-500psi		
		DATE: 4/	<u> 1/121 </u>				SERIAL NO. EMS	250Z		
		LOCATION:	JPL				PROJECT	JPL Pasadena		
		ELEV. TOP OF	WASTBAY CASING)	1059.08		OPERATOR(S) / HEY	deison / T. Ha	Care	
		WEATHER:	cloudy				ATM. PRESSURE (Palm):	(start) 14.07 (finish) 14.07	
		DTU	-59,	49	·	,	Temp:	27.31°C	23.7/	
		to Meas.			eadings (psi)		Pressure Head Outside	Depth to Water Outside		
Port No.	Port Valve 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
2	Log (Dp) 215	211	81.23		81.23	25,27	73.80	141.20	215	1238
1	135	132	46.46	14.18	46.46	24.27	0.25	134.75	135	1240
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	Comments:	Collar Detect	is 2' below samp	le port						
