

Attachment 4

Well Development Records – Del-Tech Geotechnical Support, Inc.



DURRER DAIRY

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	GROUT	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			
									SURGING	SURGING	TOTAL	TOTAL VOL.
1/19/2013	DIAMETER	TYPE	FEET. INCH	DROPPED					BEFORE	AFTER	DIFF.	PURGED (GAL.)
LOCATION												
DUR-MW-1	2"	POST	12.04	NO	GOOD	NONE	NONE	NONE	21.45	23.36	1.91	50
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
DUR-MW-2	2"	POST	14.02	NO	DRY	NONE	NONE	NONE	21.75	23.68	1.93	0.00
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
DUR-MW-3	2"	POST	10.30	NO	GOOD	NONE	NONE	NONE	10.30	23.43	13.13	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
DUR-MW-4	2"	POST	10.97	NO	DRY	NONE	NONE	NONE	21.80	23.50	1.70	0.00
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
DUR-MW-6	2"	POST	8.58	NO	GOOD	NONE	NONE	NONE	18.80	21.32	2.52	12
COMMENTS :		HAVE CAPS. REPLACED THEM										
DUR-MW-7	2"	POST	12.60	NO	GOOD	NONE	NONE	NONE	20.10	22.17	2.07	30
COMMENTS :		HAVE CAPS. REPLACED THEM										
DUR-MW-8	2"	POST	11.85	NO	GOOD	NONE	NONE	NONE	21.00	22.88	1.88	15
COMMENTS :		HAVE CAPS. REPLACED THEM										
DUR-MW-9	2"	POST	10.39	NO	GOOD	NONE	NONE	NONE	19.30	21.43	2.13	40
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
3/21/2013												
DUR-MW-10S	2"	POST	14.80	NO	FAIR	NONE	NONE	NONE	22.18	23.45	1.27	20
DUR-MW-10D	2"	POST	14.77	NO	GOOD	NONE	NONE	NONE	42.73	46.65	3.92	35
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										

NOTES: EACH OF THESE WELLS HAD A STEEL MONUMENT AND WERE PAINTED YELLOW WITH BOLLARDS.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **DURRER DAIRY** DATE: 1/19/2013 & 3/22/2013

PROJECT NAME:	DURRER DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	8861 BECKHAM ROAD	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	MODESTO, CA.	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A

PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
19-Jan	start	DUR-MW-1	12.47			6.19	2234	20.0	273	17	CLEAR
19-Jan	stop	DUR-MW-1	12.50	23.36	20	7.30	2318	20.3	221	10	"
19-Jan	start	DUR-MW-2	14.67			7.45	4732	18.8	155	16	CLEAR
19-Jan	stop	DUR-MW-2	14.70	23.68	25	7.25	4997	19.1	131	6	"
19-Jan	start	DUR-MW-3	11.80			7.54	4165	19.6	107	5	CLEAR
19-Jan	stop	DUR-MW-3	11.88	23.43	15	7.38	4039	19.6	113	2	"
19-Jan	start	DUR-MW-4	11.30			7.55	4636	18.5	132	8	CLEAR
19-Jan	stop	DUR-MW-4	11.36	23.50	15	7.14	4684	18.9	140	2	"
19-Jan	start	DUR-MW-6	8.93			7.78	1375	18.3	166	7	CLEAR
19-Jan	stop	DUR-MW-6	8.96	21.32	25	7.64	1480	18.9	140	2	"
19-Jan	start	DUR-MW-7	13.22			7.60	3080	17.9	134	27	CLEAR
19-Jan	stop	DUR-MW-7	13.28	22.17	25	7.31	3006	18.1	124	17	"
19-Jan	start	DUR-MW-8	19.33			7.78	1225	19.0	186	53	CLEAR
19-Jan	stop	DUR-MW-8	19.34	22.88	15	7.84	914	19.0	175	26	"
19-Jan	start	DUR-MW-9	10.73			8.05	939	18.7	167	69	CLEAR
19-Jan	stop	DUR-MW-9	10.75	21.43	20	7.49	1002	19.3	174	32	"
21-Mar	start	DUR-MW-10s	14.83			7.88	3125	19.5	180	78	CLEAR
21-Mar	stop	DUR-MW-10s	21.11	23.45	15	7.90	2926	19.7	184	15	"
21-Mar	start	DUR-MW-10d	14.76			8.11	3316	19.3	170	130	CLEAR
21-Mar	stop	DUR-MW-10d	22.15	46.63	20	8.04	2810	19.5	174	46	"

D. T. W. AFTER PURGE: N/A D. T. W. AT SAMPLE TIME: N/A

WELL INTEGRITY: SEE COMMENTS ON DEVELOPMENT SUMMARY.

WELL LOCATION: SEE SITE MAP.

REMARKS: "s" IN THE MONITORING WELL COLUMN REFERS TO THE SHALLOW WELL.
"d" IN THE MONITORING WELL COLUMN REFERS TO THE DEEP WELL.

DUR-MW-10 shallow & deep were developed at a later time due to flooding / standing waters at this location.

WEATHER: CLEAR / WINDY. WIND: NW 15

QUALITY CONTROL: NEW NITRILE GLOVES AT EACH SAMPLE POINT.

CONTAINMENT: NONE

INSTRUMENTATION: MYRON ULTRAMETER II HACH 2100P TURBIDIMETER
SOLINST DEPTH TO WATER METER



DEL-TECH GEOTECHNICAL SUPPORT, INC.
 (209) 847-8757 (OFFICE) * (209) 847-7744 (FAX) * deltech1@pacbell.net (Email)

GENASCI DAIRY

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	SEAL	GROUT	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			TOTAL VOL. PURGED (GAL.)
									SURGING BEFORE	SURGING AFTER	TOTAL DIFF.	
1/21-22/2013	DIAMETER	TYPE	FEET. INCH	DROPPED								
LOCATION												
GEN-MW-1	2"	POST	8.10	NO		GOOD	NONE	NONE	23.15	31.64	8.49	30
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-2	2"	FLUSH	8.64	NO		GOOD	NONE	NONE	14.10	26.97	12.87	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-3	2"	POST	11.04	NO		GOOD	NONE	NONE	24.68	28.80	4.12	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-4	2"	FLUSH	N/A	NO		N/A	N/A	N/A	N/A	N/A	N/A	N/A
LOCATED IN CATTLE WALKWAY		NO ACCESS										
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-5	2"	POST	12.15	NO		GOOD	NONE	NONE	26.60	30.65	4.05	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-6	2"	POST	12.40	NO		GOOD	NONE	NONE	29.40	31.45	2.05	25
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-7	2"	POST	13.42	NO		GOOD	NONE	NONE	26.00	27.76	1.76	30
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-8	2"	POST	11.58	NO		GOOD	NONE	NONE	27.80	30.21	2.41	15
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-9	2"	POST	7.56	NO		GOOD	NONE	NONE	26.10	28.31	2.21	40
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
GEN-MW-10	2"	POST	13.15	NO		GOOD	NONE	NONE	28.20	29.72	1.52	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										

NOTES: EACH OF THESE WELLS HAD A STEEL MONUMENT.

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **GENASCI DAIRY** DATE: 1/21/2013

PROJECT NAME:	GENASCI DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	6555 BLUE GUM AVE.	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	MODESTO, CA.	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A
PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
22-Jan	start	GEN-MW-1	13.58	31.60		7.12	4281	21.1	112	> 1000	DK. BRN.
22-Jan	stop	GEN-MW-1	13.64	31.64	20.00	6.87	3157	21.1	-43	3	CLEAR
22-Jan	start	GEN-MW-2	9.09	26.90		7.37	2092	19.6	66	18	CLEAR
22-Jan	stop	GEN-MW-2	9.15	26.97	20.00	7.20	2180	19.8	26	4	"
22-Jan	start	GEN-MW-3	12.20	28.80		6.34	5717	19.8	196	7	CLEAR
22-Jan	stop	GEN-MW-3	12.27	28.80	20.00	7.04	6058	19.8	158	2	"
22-Jan	start	GEN-MW-4	NO	ACCESS							
22-Jan	stop	GEN-MW-4	NO	ACCESS	0.00						
22-Jan	start	GEN-MW-5	12.50	30.48		7.34	2300	19.4	28	18	CLEAR
22-Jan	stop	GEN-MW-5	12.83	30.65	20.00	7.20	2462	19.6	70	4	"
22-Jan	start	GEN-MW-6	12.70	31.40		8.44	1318	19.8	111	25	CLEAR
22-Jan	stop	GEN-MW-6	12.81	31.45	20.00	7.91	1070	20.2	126	18	"
22-Jan	start	GEN-MW-7	13.80	31.17		5.99	1747	19.5	253	43	CLEAR
22-Jan	stop	GEN-MW-7	13.84	31.35	20.00	7.15	1116	19.6	188	17	"
22-Jan	start	GEN-MW-8	83.00	32.10		7.31	2162	19.4	55	14	CLEAR
22-Jan	stop	GEN-MW-8	11.89	32.13	20.00	7.25	2174	19.7	75	28	"
22-Jan	start	GEN-MW-9	12.69	25.00		7.40	2100	16.8	121	10	CLEAR
22-Jan	stop	GEN-MW-9	12.70	25.33	20.00	7.07	2132	16.9	126	26	"
22-Jan	start	GEN-MW-10	14.70	29.70		7.50	1837	19.5	26	7	CLEAR
22-Jan	stop	GEN-MW-10	14.77	29.72	20.00	7.38	2040	19.7	-2	3	"
22-Jan	start	GEN-MW-11s	12.53	28.00		7.77	1380	19.0	127	19	CLEAR
22-Jan	stop	GEN-MW-11s	12.59	27.90	20.00	7.63	1395	19.1	122	11	"
22-Jan	start	GEN-MW-11d	12.50	44.00		7.83	1397	19.0	122	16	CLEAR
22-Jan	stop	GEN-MW-11d	12.55	44.01	20.00	7.85	1420	18.8	136	9	"
22-Jan	start	GEN-MW-12s	14.40	23.60		7.84	1448	19.2	131	30	CLEAR
22-Jan	stop	GEN-MW-12s	14.42	23.65	20.00	7.69	1475	19.3	140	22	"
22-Jan	start	GEN-MW-12d	14.27	38.70		7.80	1400	18.6	127	22	CLEAR
22-Jan	stop	GEN-MW-12d	14.31	38.70	20.00	7.93	1399	18.5	137	28	"

REMARKS: "s" IN THE MONITORING WELL COLUMN REFERS TO THE SHALLOW WELL.

"d" IN THE MONITORING WELL COLUMN REFERS TO THE DEEP WELL.

QUALITY CONTROL: NEW NITRILE GLOVES AT EACH SAMPLE POINT.

CONTAINMENT: NONE

INSTRUMENTATION: MYRON ULTRAMETER II HACH 2100P TURBIDIMETER
SOLINIST DEPTH TO WATER METER



DAIRYLAND FARMS

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			
								SURGING	SURGING	TOTAL	TOTAL VOL.
3/1/2013	DIAMETER	TYPE	FEET. INCH	DROPPED				BEFORE	AFTER	DIFF.	PURGED (GAL.)
LOCATION											
DLF-MW1	4"	POST	DRY	NO	N/A	NONE	N/A	116.20	116.20	0.00	0
DLF-MW6A	2"	FLUSH	95.42	NO	POOR	NONE	NONE	97.10	102.15	5.05	0
DLF-MW6B	2"	FLUSH	99.16	NO	GOOD	NONE	NONE	115.30	115.35	0.05	20
DLF-MW6C	2"	FLUSH	105.99	NO	GOOD	NONE	NONE	140.88	140.85	-0.03	40
DLF-MW6D	2"	FLUSH	106.72	NO	GOOD	NONE	NONE	175.30	175.60	0.30	50
COMMENTS :		MW-1 WENT DRY ALL WELLS DID HAVE CAPS. LOCKS WERE INSTALLED. WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
DLF-MW2	4"	POST	DRY	NO	DRY	NONE	N/A	122.70	122.70	0.00	0
DLF-MW4A	2"	FLUSH	DRY	NO	DRY	NONE	N/A	103.00	103.27	0.27	0
DLF-MW4B	2"	FLUSH	DRY	NO	DRY	NONE	N/A	140.32	140.35	0.03	0
DLF-MW4C	2"	FLUSH	148.62	NO	GOOD	NONE	NONE	178.75	180.20	1.45	35
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
DLF-MW3	4"	POST	DRY	NO	DRY	NONE	N/A	122.55	N/A	N/A	0
DLF-MW5A	2"	FLUSH	118.10	NO	DRY	NONE	N/A	119.85	119.85	0.00	0
DLF-MW5B	2"	FLUSH	145.18	NO	GOOD	NONE	NONE	155.20	155.35	0.15	40
DLF-MW5C	2"	FLUSH	145.10	NO	GOOD	NONE	NONE	165.35	165.35	0.00	45
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									

NOTES: EACH OF THESE WELLS HAD A STEEL MONUMENT.

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION -		DAIRYLAND FARMS	DATE:	3/1/2013
PROJECT NAME:	DAIRYLAND FARMS	ANALYSIS PERFORMED: N/A		
ADDRESS:	15982 ROAD 152	SAMPLE TIME:		
CITY, STATE:	TIPTON, CA. 93272	SAMPLE CONTAINERS: N/A		
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES: N/A		
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY: N/A		
PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT: POST/FLUSH		
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL : PVC		
SIGNED:	<i>Don Light</i>	WELL CASING DIA. : 2" / 4" 0.1632		
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR: N/A NONE		

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
1-Mar	start	DLF-MW-6A	DRY	DRY		N/A	N/A	N/A	N/A	N/A	N/A
1-Mar	stop	DLF-MW-6A	"	102.15		"	"	"	"	"	"
1-Mar	start	DLF-MW-6B	99.00			7.19	1214	19.7	175	333	LT BROWN
1-Mar	stop	DLF-MW-6B	99.00	115.35	20.00	7.30	1218	20.1	164	28.9	CLEAR
1-Mar	start	DLF-MW-6C	102.25			6.74	1214	19.4	175	458	LT BROWN
1-Mar	stop	DLF-MW-6C	102.05	140.85	20.00	7.16	1232	19.7	169	84.1	CLEAR
1-Mar	start	DLF-MW-6D	106.13			7.36	1248	20.0	158	615	LT BROWN
1-Mar	stop	DLF-MW-6D	102.25	175.60	20.00	6.91	1233	19.6	172	504	LT BROWN
1-Mar	start	DLF-MW-4A	DRY	DRY		N/A	N/A	N/A	N/A	N/A	N/A
1-Mar	stop	DLF-MW-4A	"	103.27		"	"	"	"	"	"
1-Mar	start	DLF-MW-4B	DRY	DRY		N/A	N/A	N/A	N/A	N/A	N/A
1-Mar	stop	DLF-MW-4B	"	140.85		"	"	"	"	"	"
1-Mar	start	DLF-MW-4C	148.43			7.62	795	19.3	153	522	LT BROWN
1-Mar	stop	DLF-MW-4C	149.14	180.20	25.00	7.84	636	19.1	35	397	CLEAR
1-Mar	start	DLF-MW-3	DRY	DRY		N/A	N/A	N/A	N/A	N/A	N/A
1-Mar	stop	DLF-MW-3	"	122.55		"	"	"	"	"	"
1-Mar	start	DLF-MW-5A	DRY	DRY		N/A	N/A	N/A	N/A	N/A	N/A
1-Mar	stop	DLF-MW-5A	"	119.85		"	"	"	"	"	"

D. T. W. AFTER PURGE:	N/A	D. T. W. AT SAMPLE TIME:	N/A
WELL INTEGRITY:	SEE COMMENTS ON DEVELOPMENT SUMMARY.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:	ON WELLS THAT WERE DRY - WE STILL AIR LIFTED AND REMOVED AS MUCH SEDIMENT AS POSSIBLE.		
WEATHER:	CLEAR / COOL	WIND:	
QUALITY CONTROL:	NEW NITRILE GLOVES AT EACH SAMPLE POINT.		
CONTAINMENT:	NONE		
INSTRUMENTATION:	MYRON ULTRAMETER II	HACH 2100P TURBIDIMETER	
	SOLINST DEPTH TO WATER METER		



DEL-TECH GEOTECHNICAL SUPPORT, INC.
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GIACOMOZZI DAIRY

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	GROUT	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			
									BEFORE	AFTER	TOTAL	TOTAL VOL. PURGED (GAL.)
3/8-10/2013	DIAMETER	TYPE	FEET. INCH	DROPPED								
LOCATION												
ZZI-MW-1A	2"	POST	DRY	NO	N/A	NONE	N/A	46.12	46.12	0.00	0.00	
ZZI-MW-1B	2"	POST	101.70	NO	GOOD	NONE	NONE	106.00	106.25	0.25	10.00	
ZZI-MW-1C	2"	POST	101.72	NO	GOOD	NONE	NONE	127.70	128.43	0.73	20.00	
ZZI-MW-1D	2"	POST	101.68	NO	GOOD	NONE	NONE	138.00	138.55	0.55	25.00	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
ZZI-MW-2A	2"	POST	40.40	NO	GOOD	NONE	NONE	47.20	48.00	0.80	10	
ZZI-MW-2B	2"	POST	DRY	NO	N/A	NONE	N/A	74.04	74.70	0.66	0.00	
ZZI-MW-2C	2"	POST	100.34	NO	GOOD	NONE	NONE	127.83	129.55	1.72	20	
ZZI-MW-2D	2"	POST	100.29	NO	GOOD	NONE	NONE	141.48	143.10	1.62	35	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
ZZI-MW-3A	2"	POST	DRY	NO	N/A	NONE	N/A	83.72	85.75	2.03	0.00	
ZZI-MW-3AA	2"	POST	25.03	NO	POOR	NONE	NONE	26.94	27.50	0.56	5	
ZZI-MW-3B	2"	POST	104.29	NO	GOOD	NONE	NONE	133.01	133.75	0.74	35	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
ZZI-MW-5A	2"	FLUSH	71.42	NO	GOOD	NONE	NONE	73.68	73.86	0.18	0.00	
ZZI-MW5B	2"	FLUSH	DRY	NO	N/A	NONE	N/A	90.35	90.70	0.35	0.00	
ZZI-MW-5C	2"	FLUSH	107.32	NO	GOOD	NONE	NONE	121.19	122.04	0.85	25.00	
ZZI-MW-5D	2"	FLUSH	107.42	NO	GOOD	NONE	NONE	131.32	132.40	1.08	25.00	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
ZZI-MW-6A	2"	POST	87.80	NO	GOOD	NONE	NONE	87.86	88.00	0.14	0.00	
ZZI-MW-6B	2"	POST	DRY	NO	N/A	NONE	N/A	98.09	98.70	0.61	0.00	
ZZI-MW-6C	2"	POST	108.13	NO	GOOD	NONE	NONE	113.14	113.15	0.01	12	
ZZI-MW-6D	2"	POST	110.16	NO	GOOD	NONE	NONE	136.98	136.98	0.00	40	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										

NOTES: EACH OF THESE WELLS HAD A STEEL MONUMENT.

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION -		GIACOMAZZI DAIRY		DATE:		3/9/2013							
PROJECT NAME:				GIACOMAZZI DAIRY		ANALYSIS PERFORMED:		N/A					
ADDRESS:				9624 6TH AVENUE		SAMPLE TIME:		NO SAMPLE TAKEN					
CITY, STATE:				HANFORD, CA. 93230		SAMPLE CONTAINERS:		N/A					
SITE CONTACT:				TILL ANGERMANN		PRESERVATIVES:		N/A					
CONSULTANT:				LUHDORFF & SCALMANINI		LAB. ANALYSIS BY:		N/A					
PROJECT MANAGER:				LUHDORFF & SCALMANINI		MONUMENT:		FLUSH / POST					
WELL DEVELOPER:				DEL-TECH / DON LIGHT		WELL CASING MATERIAL :		PVC					
SIGNED:				<i>Don Light</i>		WELL CASING DIA. :		2" / 0.1632					
SAMPLE MEDIA:				GROUNDWATER		P.I.D. READING / ODOR:		N/A NONE					
FIELD PARAMETERS													
DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR		
9-Mar	start	ZZI-MW-1A	DRY			N/A	N/A	N/A	N/A	N/A	N/A		
9-Mar	stop	ZZI-MW-1A	"	46.12	0.00	"	"	"	"	"	"		
9-Mar	start	ZZI-MW-1B	101.70			7.44	740	18.3	174	15.5	CLEAR		
9-Mar	stop	ZZI-MW-1B	102.28	106.28	10.00	7.55	715	17.8	161	4.11	CLEAR		
9-Mar	start	ZZI-MW-1C	101.83			7.97	486	19.2	145	36.6	CLEAR		
9-Mar	stop	ZZI-MW-1C	102.78	128.43	20.00	8.13	478	18.8	130	18.32	CLEAR		
9-Mar	start	ZZI-MW-1D	101.73			7.99	513	19.8	127	44.5	CLEAR		
9-Mar	stop	ZZI-MW-1D	101.80	138.55	20.00	8.20	505	21.0	116	24.80	CLEAR		
9-Mar	start	ZZI-MW-2A	40.48			6.62	2868	20.4	123	360	LT BROWN		
9-Mar	stop	ZZI-MW-2A	40.85	47.96	20.00	6.41	2907	20.8	143	201.00	CLEAR		
9-Mar	start	ZZI-MW-2B	DRY			N/A	N/A	N/A	N/A	N/A	N/A		
9-Mar	stop	ZZI-MW-2B	"	74.70	0.00	"	"	"	"	"	"		
9-Mar	start	ZZI-MW-2C	100.18			7.15	1100	20.3	129	298	LT BROWN		
9-Mar	stop	ZZI-MW-2C	100.19	129.55	20.00	7.40	1056	19.6	129	50.60	CLEAR		
9-Mar	start	ZZI-MW-2D	100.33			7.90	558	19.4	123	370	LT BROWN		
9-Mar	stop	ZZI-MW-2D	100.35	143.12	20.00	8.03	397	18.7	120	268	CLEAR		
9-Mar	start	ZZI-MW-3A	DRY			N/A	N/A	N/A	N/A	N/A	N/A		
9-Mar	stop	ZZI-MW-3A	"	85.75	0.00	"	"	"	"	"	"		
D. T. W. AFTER PURGE:				N/A				D. T. W. AT SAMPLE TIME:				N/A	
WELL INTEGRITY:				SEE COMMENTS ON DEVELOPMENT SUMMARY.									
WELL LOCATION:				SEE SITE MAP.									
REMARKS:				ON WELLS THAT WERE DRY - WE STILL AIR LIFTED AND REMOVED AS MUCH SEDIMENT AS POSSIBLE.									
WEATHER:				SUNNY / COOL				WIND:					
QUALITY CONTROL:				NEW NITRILE GLOVES AT EACH SAMPLE POINT.									
CONTAINMENT:				NONE									
INSTRUMENTATION:				MYRON ULTRAMETER II				HACH 2100P TURBIDIMETER					
				SOLINST DEPTH TO WATER METER									



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

WELL DEVELOPMENT FIELD LOG 2013

WELL DEVELOPMENT LOCATION -		GIACOMAZZI DAIRY	DATE:		3/9/2013
PROJECT NAME:	GIACOMAZZI DAIRY		ANALYSIS PERFORMED:		N/A
ADDRESS:	9624 6TH AVENUE		SAMPLE TIME:		NO SAMPLE TAKEN
CITY, STATE:	KINGS COUNTY.		SAMPLE CONTAINERS:		N/A
SITE CONTACT:	TILL ANGERMANN		PRESERVATIVES:		N/A
CONSULTANT:	LUHDORFF & SCALMANINI		LAB. ANALYSIS BY:		N/A
PROJECT MANAGER:	LUHDORFF & SCALMANINI		MONUMENT:		FLUSH / POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT		WELL CASING MATERIAL :		PVC
SIGNED:	<i>Don Light</i>		WELL CASING DIA. :		2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER		P.I.D. READING / ODOR:		N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
9-Mar	start	ZZI-MW-3AA	24.80			7.04	4082	18.7	126	562	GRAYISH
9-Mar	stop	ZZI-MW-3AA	DRY	27.50	3.00	N/A	N/A	N/A	N/A	N/A	N/A
AFTER 3 GALLONS WELL WENT DRY, POOR RECHARGE											
9-Mar	start	ZZI-MW-3B	104.05			6.87	1193	18.8	146	74	LT BROWN
9-Mar	stop	ZZI-MW-3B	104.05	133.75	20.00	6.93	1219	19.1	145	32.6	CLEAR
10-Mar	start	ZZI-MW-5A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-5A	"	73.86	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-5B	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-5B	"	90.70	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-5C	107.05			7.39	2005	19.8	150	25.8	CLEAR
10-Mar	stop	ZZI-MW-5C	107.05	122.04	20.00	7.31	2035	19.6	152	3.3	CLEAR
10-Mar	start	ZZI-MW-5D	107.18			7.19	2033	20.7	147	62.2	CLEAR
10-Mar	stop	ZZI-MW-5D	107.18	132.40	20.00	7.69	2026	20.0	138	32.9	CLEAR
10-Mar	start	ZZI-MW-6A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-6A	"	88.00	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-6B	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-6B	"	98.70	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-6C	106.64			7.52	1865	17.7	159	52	GRAY BROWN
10-Mar	stop	ZZI-MW-6C	106.65	113.15	20.00	7.33	1948	17.6	172	13.7	CLEAR

D. T. W. AFTER PURGE:	N/A	D. T. W. AT SAMPLE TIME:	N/A
WELL INTEGRITY:	SEE COMMENTS ON DEVELOPMENT SUMMARY.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:	ON WELLS THAT WERE DRY - WE STILL AIR LIFTED AND REMOVED AS MUCH SEDIMENT AS POSSIBLE.		
WEATHER:	SUNNY / COOL	WIND:	
QUALITY CONTROL:	NEW NITRILE GLOVES AT EACH SAMPLE POINT.		
CONTAINMENT:	NONE		
INSTRUMENTATION:	MYRON ULTRAMETER II	HACH 2100P TURBIDIMETER	
	SOLINST DEPTH TO WATER METER		



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

WELL DEVELOPMENT FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **GIACOMAZZI DAIRY** DATE: **3/9/2013**

PROJECT NAME:	GIACOMAZZI DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	9624 6TH AVENUE	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	KINGS COUNTY.	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A

PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	FLUSH / POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER AFTER PURGE	TOTAL DEPTH AFTER PURGE		pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
10-Mar	start	ZZI-MW-6D	109.89			7.36	1781	17.4	170	348	LT BROWN
10-Mar	stop	ZZI-MW-6D	109.92	136.98	20.00	7.30	1814	17.4	176	240	CLEAR
10-Mar	start	ZZI-MW-7A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-7A	"	91.30	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-7B	102.91			7.65	1678	19.0	136	26.8	CLEAR
10-Mar	stop	ZZI-MW-7B	109.91	113.43	20.00	7.52	1743	18.6	145	4.1	CLEAR
10-Mar	start	ZZI-MW-7C	103.59			7.79	1539	18.6	141	415	LT BROWN
10-Mar	stop	ZZI-MW-7C	104.89	128.70	20.00	7.39	1520	18.7	144	305	CLOUDY
10-Mar	start	ZZI-MW-7D	103.55			7.76	1442	18.7	147	388	LT BROWN
10-Mar	stop	ZZI-MW-7D	103.56	141.00	20.00	7.18	1481	18.4	157	317	CLEAR
10-Mar	start	ZZI-MW-9A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-9A	"	68.58	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-9B	DRY			N/A	N/A	N/A	N/A	N/A	N/A
10-Mar	stop	ZZI-MW-9B	"	88.72	0.00	"	"	"	"	"	"
10-Mar	start	ZZI-MW-9C	97.56			7.67	1374	18.9	143	38.5	CLEAR
10-Mar	stop	ZZI-MW-9C	97.56	115.34	20.00	7.67	1153	18.7	116	13.0	CLEAR
10-Mar	start	ZZI-MW-9D	98.10			8.33	248	18.6	93	343	LT BROWN
10-Mar	stop	ZZI-MW-9D	98.05	135.73	20.00	8.04	197	18.9	101	399	LT. BROWN

D. T. W. AFTER PURGE: N/A **D. T. W. AT SAMPLE TIME:** N/A

WELL INTEGRITY: SEE COMMENTS ON DEVELOPMENT SUMMARY.

WELL LOCATION: SEE SITE MAP.

REMARKS:

WEATHER: SUNNY / COOL **WIND:**

QUALITY CONTROL: NEW NITRILE GLOVES AT EACH SAMPLE POINT.

CONTAINMENT: NONE

INSTRUMENTATION: MYRON ULTRAMETER II HACH 2100P TURBIDIMETER

SOLINST DEPTH TO WATER METER



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **J & A DAIRY** DATE: **2/2/2013**

PROJECT NAME:	J & A DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	12212 AVENUE 176	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	TULARE COUNTY	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTCAE:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A
PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
1-Feb	start	JAD-MW-1	54.75			7.81	1107	18.1	117	1000+	BROWN
1-Feb	stop	JAD-MW-1	55.11	69.40	25	7.58	1144	18.7	119	548	LT. BRN.
1-Feb	start	JAD-MW-2	60.50			7.68	1473	18.5	158	1000+	BROWN
1-Feb	stop	JAD-MW-2	61.61	70.35	15	7.13	1572	18.9	155	587	"
2-Feb	start	JAD-MW-3	45.82			8.18	1379	17.7	97	1000+	BROWN
2-Feb	stop	JAD-MW-3	45.49	71.50	20	7.40	1356	18.0	125	188	"
2-Feb	start	JAD-MW-4s	53.22			8.24	840	15.5	82	680	BROWN
2-Feb	stop	JAD-MW-4s	59.70	63.58	15	7.74	953	17.6	115	350	"
2-Feb	start	JAD-MW-4d	53.52			7.67	914	18.0	126	420	BROWN
2-Feb	stop	JAD-MW-4d	53.70	78.45	15	7.46	915	17.6	142	124	"
2-Feb	start	JAD-MW-5s	80.75			WELL WENT DRY DURING DEVELOPMENT PHASE					
2-Feb	stop	JAD-MW-5s	dr	82.00	0	VERY POOR RECHARGE / NO PURGE					
2-Feb	start	JAD-MW-5d	59.72			CASING BLOCKED @ 63 FEET					
2-Feb	stop	JAD-MW-5d		94.12	0	WATER WILL NOT GO DOWN					
2-Feb	start	JAD-MW-6s	62.17			9.65	570	17.8	104	590	BROWN
2-Feb	stop	JAD-MW-6s	70.55	73.63	7	8.79	739	17.9	124	430	"
2-Feb	start	JAD-MW-6d	60.15			8.81	1227	17.9	115	770	BROWN
2-Feb	stop	JAD-MW-6d	61.31	97.25	15	7.82	1244	18.0	138	528	"
2-Feb	start	JAD-MW-7s	62.22			7.91	1418	18.0	121	1000+	BROWN
2-Feb	stop	JAD-MW-7s	62.25	68.17	15	7.82	1462	18.1	129	549	"
2-Feb	start	JAD-MW-7d	62.37			7.51	1367	18.0	136	1000+	BROWN
2-Feb	stop	JAD-MW-7d	62.30	82.51	15	7.64	1383	18.1	144	578	"

D. T. W. AFTER PURGE:	N/A	D. T. W. AT SAMPLE TIME:	N/A
WELL INTEGRITY:	SEE COMMENTS ON DEVELOPMENT SUMMARY.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:	"s" IN THE MONITORING WELL COLUMN REFERS TO THE SHALLOW WELL. "d" IN THE MONITORING WELL COLUMN REFERS TO THE DEEP WELL.		
WEATHER:	CLEAR / WINDY.	WIND:	NW 15
QUALITY CONTROL:	NEW NITRILE GLOVES AT EACH SAMPLE POINT.		
CONTAINMENT:	NONE		
INSTRUMENTATION:	MYRON ULTRAMETER II	HACH 2100P TURBIDIMETER	
	SOLINST DEPTH TO WATER METER		



DEL-TECH GEOTECHNICAL SUPPORT, INC.
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LONGFELLOW DAIRY

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	GROUT	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			TOTAL VOL. PURGED (GAL.)
									BEFORE	AFTER	DIFF.	
3/1-4/2013	DIAMETER	TYPE	FEET. INCH	DROPPED								
LOCATION												
LON-MW-1A	2"	FLUSH	DRY	NO	DRY	NONE	N/A	86.50	N/A	N/A	0	
LON-MW-1B	2"	FLUSH	95.83	NO	GOOD	NONE	NONE	113.13	113.25	0.12	20	
LON-MW-1C	2"	FLUSH	96.12	NO	GOOD	NONE	NONE	138.48	138.90	0.42	35	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
LON-MW-2A	2"	FLUSH	DRY	NO	DRY	NONE	N/A	83.78	85.70	1.92	0	
LON-MW-2B	2"	FLUSH	95.97	NO	GOOD	NONE	NONE	105.60	106.60	1.00	20	
LON-MW-2C	2"	FLUSH	96.06	NO	GOOD	NONE	NONE	125.74	126.20	0.46	35	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
LON-MW-3A	2"	FLUSH	DRY	NO	DRY	NONE	N/A	88.28	88.50	0.22	0	
LON-MW-3B	2"	FLUSH	96.78	NO	GOOD	NONE	NONE	130.10	130.08	-0.02	20	
LON-MW-3C	2"	FLUSH	96.65	NO	GOOD	NONE	NONE	139.90	140.10	0.20	40	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
LON-MW-4A	2"	FLUSH	85.96	NO	DRY	NONE	N/A	85.24	86.01	0.77	0	
LON-MW-4B	2"	FLUSH	96.13	NO	FAIR	NONE	NONE	109.12	110.20	1.08	10	
LON-MW-4C	2"	FLUSH	96.90	NO	GOOD	NONE	NONE	138.55	140.25	1.70	30	
LON-MW-4D	2"	FLUSH	96.88	NO	GOOD	NONE	NONE	148.90	149.84	0.94	50	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
LON-MW-5A	2"	FLUSH	DRY	NO	DRY	NONE	N/A	93.90	94.15	0.25	0	
LON-MW-5B	2"	FLUSH	102.30	NO	FAIR	NONE	NONE	110.20	110.22	0.02	15	
LON-MW-5C	2"	FLUSH	102.71	NO	GOOD	NONE	NONE	128.30	128.25	-0.05	20	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
LON-MW-6A	2"	FLUSH	DRY	NO	DRY	NONE	N/A	94.20	95.09	0.89	0	
LON-MW-6B	2"	FLUSH	106.08	NO	FAIR	NONE	NONE	110.58	110.61	0.03	15	
LON-MW-6C	2"	FLUSH	106.03	NO	GOOD	NONE	NONE	130.25	130.70	0.45	20	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										

NOTES:

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **LONGFELLOW DAIRY** DATE: **3/4/2013**

PROJECT NAME:	LONGFELLOW DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	14782 8TH AVENUE	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	HANFORD, CA. 93230	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A

PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	FLUSH
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
1-Mar	start	LON-MW-1A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
1-Mar	stop	LON-MW-1A	"	86.50	0.00	"	"	"	"	"	"
1-Mar	start	LON-MW-1B	95.65			7.53	1098	20.1	133	200	LT BROWN
1-Mar	stop	LON-MW-1B	95.67	113.25	20.00	7.70	1116	20.0	29	114	CLEAR
1-Mar	start	LON-MW-1C	96.09			7.88	978	20.9	102	76	CLEAR
1-Mar	stop	LON-MW-1C	96.10	138.90	20.00	7.28	985	20.4	129	40	CLEAR
2-Mar	start	LON-MW-2A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
2-Mar	stop	LON-MW-2A	"	85.70	0.00	"	"	"	"	"	"
2-Mar	start	LON-MW-2B	95.74			6.41	2238	21.4	141	23	CLEAR
2-Mar	stop	LON-MW-2B	97.87	106.60	20.00	6.62	2153	21.3	137	4.1	CLEAR
2-Mar	start	LON-MW-2C	95.86			7.04	1675	21.1	132	52	CLEAR
2-Mar	stop	LON-MW-2C	95.96	126.20	20.00	7.32	1598	20.4	133	8.7	CLEAR
2-Mar	start	LON-MW-3A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
2-Mar	stop	LON-MW-3A	"	88.50	0.00	"	"	"	"	"	"
2-Mar	start	LON-MW-3B	96.74			7.75	960	21.4	130	165	LT BROWN
2-Mar	stop	LON-MW-3B	96.70	130.08	20.00	7.76	961	22.4	68	108	CLEAR
2-Mar	start	LON-MW-3C	96.67			7.46	763	21.1	57	137	LT BROWN
2-Mar	stop	LON-MW-3C	96.67	140.10	20.00	7.48	899	20.8	38	73	CLEAR

D. T. W. AFTER PURGE: N/A D. T. W. AT SAMPLE TIME: N/A

WELL INTEGRITY: SEE COMMENTS ON DEVELOPMENT SUMMARY.

WELL LOCATION: SEE SITE MAP.

REMARKS: **ON WELLS THAT WERE DRY - WE STILL AIR LIFTED AND REMOVED AS MUCH SEDIMENT AS POSSIBLE.**

WEATHER: CLEAR / COOL WIND:

QUALITY CONTROL: NEW NITRILE GLOVES AT EACH SAMPLE POINT.

CONTAINMENT: NONE

INSTRUMENTATION: MYRON ULTRAMETER II HACH 2100P TURBIDIMETER
SOLINST DEPTH TO WATER METER



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

WELL DEVELOPMENT FIELD LOG 2013

WELL DEVELOPMENT LOCATION -		LONGFELLOW DAIRY		DATE:		3/4/2013					
PROJECT NAME:				LONGFELLOW DAIRY		ANALYSIS PERFORMED:		N/A			
ADDRESS:				14782 8TH AVENUE		SAMPLE TIME:		NO SAMPLE TAKEN			
CITY, STATE:				KINGS COUNTY		SAMPLE CONTAINERS:		N/A			
SITE CONTACT:				TILL ANGERMANN		PRESERVATIVES:		N/A			
CONSULTANT:				LUHDORFF & SCALMANINI		LAB. ANALYSIS BY:		N/A			
PROJECT MANAGER:				LUHDORFF & SCALMANINI		MONUMENT:		POST			
WELL DEVELOPER:				DEL-TECH / DON LIGHT		WELL CASING MATERIAL :		PVC			
SIGNED:				<i>Don Light</i>		WELL CASING DIA. :		2" / 0.1632			
SAMPLE MEDIA:				GROUNDWATER		P.I.D. READING / ODOR:		N/A NONE			
FIELD PARAMETERS											
DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
3-Mar	start	LON-MW-4A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
3-Mar	stop	LON-MW-4A	"	86.01	0.00	"	"	"	"	"	"
3-Mar	start	LON-MW-4B	96.39			7.26	1954	18.5	159	74	LT BROWN
3-Mar	stop	LON-MW-4B	96.56	110.20	20.00	6.78	1944	18.6	151	57	CLEAR
3-Mar	start	LON-MW-4C	96.77			6.90	2001	18.7	151	96	LT BROWN
3-Mar	stop	LON-MW-4C	96.77	140.25	20.00	6.72	2028	19.5	141	70	CLEAR
3-Mar	start	LON-MW-4D	96.80			6.87	2246	19.5	142	488	LT BROWN
3-Mar	stop	LON-MW-4D	96.80	149.84	20.00	7.51	2427	20.2	134	372	"
4-Mar	start	LON-MW-5A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
4-Mar	stop	LON-MW-5A	"	94.15	0.00	"	"	"	"	"	"
4-Mar	start	LON-MW-5B	102.20			6.98	2446	19.2	203	56	LT BROWN
4-Mar	stop	LON-MW-5B	102.22	110.22	20.00	7.20	2393	18.9	192	37	CLEAR
4-Mar	start	LON-MW-5C	102.80			7.45	2269	20.9	217	720	LT BROWN
4-Mar	stop	LON-MW-5C	102.80	128.25	20.00	7.71	2304	19.5	180	438	"
D. T. W. AFTER PURGE:		N/A		D. T. W. AT SAMPLE TIME:		N/A					
WELL INTEGRITY:		SEE COMMENTS ON DEVELOPMENT SUMMARY.									
WELL LOCATION:		SEE SITE MAP.									
REMARKS:		ON WELLS THAT WERE DRY - WE STILL AIR LIFTED AND REMOVED AS MUCH SEDIMENT AS POSSIBLE.									
WEATHER:		CLEAR / COOL					WIND:				
QUALITY CONTROL:		NEW NITRILE GLOVES AT EACH SAMPLE POINT.									
CONTAINMENT:		NONE									
INSTRUMENTATION:		MYRON ULTRAMETER II					HACH 2100P TURBIDIMETER				
		SOLINST DEPTH TO WATER METER									



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

WELL DEVELOPMENT FIELD LOG 2013

WELL DEVELOPMENT LOCATION - LONGFELLOW DAIRY DATE: 3/4/2013

PROJECT NAME:	LONGFELLOW DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	14782 8TH AVENUE	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	KINGS COUNTY	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A

PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
4-Mar	start	LON-MW-6A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
4-Mar	stop	LON-MW-6A	"	95.09	0.00	"	"	"	"	"	"
4-Mar	start	LON-MW-6B	105.88			6.79	1957	18.9	143	1000+	LT BROWN
4-Mar	stop	LON-MW-6B	105.94	110.61	20.00	7.05	1893	20.7	135	665	"
4-Mar	start	LON-MW-6C	106.03			6.80	1622	21.2	140	1000+	LT BROWN
4-Mar	stop	LON-MW-6C	106.93	130.70	20.00	6.82	1599	21.1	139	684	"
4-Mar	start	LON-MW-7A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
4-Mar	stop	LON-MW-7A	"	52.15	0.00	"	"	"	"	"	"
4-Mar	start	LON-MW-7B	DRY			N/A	N/A	N/A	N/A	N/A	N/A
4-Mar	stop	LON-MW-7B	"	78.48	0.00	"	"	"	"	"	"
4-Mar	start	LON-MW-7C	DRY			N/A	N/A	N/A	N/A	N/A	N/A
4-Mar	stop	LON-MW-7C	"	98.32	0.00	"	"	"	"	"	"
4-Mar	start	LON-MW-7D	98.86			6.71	2050	21.3	146	535	LT BROWN
4-Mar	stop	LON-MW-7D	96.87	127.00	20.00	6.66	2046	21.0	133	345	"

D. T. W. AFTER PURGE:	N/A	D. T. W. AT SAMPLE TIME:	N/A
WELL INTEGRITY:	SEE COMMENTS ON DEVELOPMENT SUMMARY.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:			
WEATHER:	CLEAR / COOL	WIND:	
QUALITY CONTROL:	NEW NITRILE GLOVES AT EACH SAMPLE POINT.		
CONTAINMENT:	NONE		
INSTRUMENTATION:	MYRON ULTRAMETER II	HACH 2100P TURBIDIMETER	
	SOLINST DEPTH TO WATER METER		



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LAWRENCE FARMS

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			
								SURGING	SURGING	TOTAL	TOTAL VOL.
2/23-24/2013	DIAMETER	TYPE	FEET. INCH	DROPPED				BEFORE	AFTER	DIFF.	PURGED (GAL.)
LOCATION											
MAL-MW-1	2"	POST	15.60	NO	GOOD	NONE	NONE	22.80	27.43	4.63	25
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-2	2"	POST	12.51	N/A	GOOD	NONE	NONE	27.37	27.38	0.01	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-3	2"	POST	9.94	N/A	POOR	NONE	NONE	22.33	22.34	0.01	10
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-4	2"	POST	12.34	N/A	GOOD	NONE	NONE	24.60	24.70	0.10	15
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-5	2"	POST	10.62	N/A	GOOD	NONE	NONE	26.61	26.45	-0.16	15
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-6	2"	POST	8.84	N/A	GOOD	NONE	NONE	24.78	24.79	0.01	15
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-7	2"	FLUSH	8.06	N/A	GOOD	NONE	NONE	24.88	30.55	5.67	50
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
MAL-MW-8	2"	FLUSH	5.00	N/A	GOOD	NONE	NONE	26.64	30.79	4.15	45
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									

NOTES: EACH OF THESE WELLS HAD A STEEL MONUMENT.

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **LAWRENCE FARMS** DATE: **2/24/2013**

PROJECT NAME:	LAWRENCE FARMS	ANALYSIS PERFORMED:	N/A
ADDRESS:	12871 KENT AVE.	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	HANFORD, CA.	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A

PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
24-Feb	start	MAL - MW - 1	15.60	22.80		6.03	2184	17.5	295	58	BROWN
24-Feb	stop	MAL - MW - 1	17.27	27.43	20.00	8.58	1746	18.7	100	30	CLEAR
24-Feb	start	MAL - MW - 2	12.51	27.37		8.04	3209	21.8	181	44	BROWN
24-Feb	stop	MAL - MW - 2	12.63	27.38	20.00	7.69	2395	20.3	182	37	LT. BROWN
24-Feb	start	MAL - MW - 3	9.94	22.33		8.10	2846	19.2	120	> 1000	BROWN
24-Feb	stop	MAL - MW - 3	20.90	22.34	10.00	7.88	2812	19.5	208	519	CLEAR
24-Feb	start	MAL - MW - 4	12.34	24.60		8.24	2298	19.1	196	113	BROWN
24-Feb	stop	MAL - MW - 4	12.70	24.78	20.00	8.23	1659	21.2	148	52	LT. BROWN
24-Feb	start	MAL - MW - 5	10.62	26.61		7.63	3906	18.8	233	370	BROWN
24-Feb	stop	MAL - MW - 5	8.78	26.45	20.00	7.74	4123	20.2	219	237	CLEAR
24-Feb	start	MAL - MW - 6	8.84	24.78		7.67	1966	19.7	147	90	BROWN
24-Feb	stop	MAL - MW - 6	8.83	24.79	20.00	7.47	2112	19.9	143	76	CLEAR
24-Feb	start	MAL - MW - 7	8.06	24.88		8.14	1559	20.9	145	840	BROWN
24-Feb	stop	MAL - MW - 7	10.10	30.50	20.00	7.53	1498	21.0	145	598	LT. BRN.
24-Feb	start	MAL - MW - 8	5.00	26.64		9.31	1783	19.1	110	770	BROWN
24-Feb	stop	MAL - MW - 8	5.34	30.79	20.00	9.40	1755	20.1	99	567	LT. BRN.

D. T. W. AFTER PURGE:	N/A	D. T. W. AT SAMPLE TIME:	N/A
WELL INTEGRITY:	SEE COMMENTS ON DEVELOPMENT SUMMARY.		
WELL LOCATION:	SEE SITE MAP.		
REMARKS:	"s" IN THE MONITORING WELL COLUMN REFERS TO THE SHALLOW WELL. "d" IN THE MONITORING WELL COLUMN REFERS TO THE DEEP WELL.		
WEATHER:	CLEAR / WINDY.	WIND:	NW 15
QUALITY CONTROL:	NEW NITRILE GLOVES AT EACH SAMPLE POINT.		
CONTAINMENT:	NONE		
INSTRUMENTATION:	MYRON ULTRAMETER II	HACH 2100P TURBIDIMETER	
	SOLINIST DEPTH TO WATER METER		



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RICHMAR DAIRY

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	GROUT	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			TOTAL VOL. PURGED (GAL.)
									SURGING BEFORE	SURGING AFTER	TOTAL DIFF.	
2/2-3/2013	DIAMETER	TYPE	FEET. INCH	DROPPED								
LOCATION												
RIC-MW-1	2"	POST	11.62	NO	GOOD	NONE	NONE	41.80	46.16	4.36	50	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-2	2"	POST	DRY	NO	DRY	NONE	NONE	9.00	9.00	0.00	0	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-3	2"	POST	7.18	NO	GOOD	NONE	NONE	53.30	58.00	4.70	20	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-4	2"	POST	DRY	NO	DRY	NONE	NONE	15.70	15.70	0.00	0	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-5	2"	POST	11.11	NO	GOOD	NONE	NONE	52.40	57.85	5.45	15	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-6	2"	POST	9.95	NO	DRY	NONE	NONE	15.10	15.10	0.00	0	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-7S	2"	POST	11.78	NO	GOOD	NONE	NONE	26.00	27.76	1.76	30	
RIC-MW-7D	2"	POST	11.80	NO	GOOD	NONE	NONE	44.00	48.40	4.40	20	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-8S	2"	POST	12.15	NO	GOOD	NONE	NONE	27.80	30.21	2.41	15	
RIC-MW-8D	2"	POST	12.20	NO	GOOD	NONE	NONE	48.05	51.31	3.26	10	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										
RIC-MW-9S	2"	POST	9.77	NO	GOOD	NONE	NONE	26.10	28.31	2.21	40	
RIC-MW-9D	2"	POST	10.20	NO	GOOD	NONE	NONE	46.00	48.27	2.27	15	
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.										

NOTES: EACH OF THE NEW WELLS HAD A STEEL MONUMENT.

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION - **RICHMAR DAIRY** DATE: **2/3/2013**

PROJECT NAME:	RICHMAR DAIRY	ANALYSIS PERFORMED:	N/A
ADDRESS:	1129 E. SHAFTER ROAD	SAMPLE TIME:	NO SAMPLE TAKEN
CITY, STATE:	KERN, CA.	SAMPLE CONTAINERS:	N/A
SITE CONTACT:	TILL ANGERMANN	PRESERVATIVES:	N/A
CONSULTANT:	LUHDORFF & SCALMANINI	LAB. ANALYSIS BY:	N/A
PROJECT MANAGER:	LUHDORFF & SCALMANINI	MONUMENT:	POST
WELL DEVELOPER:	DEL-TECH / DON LIGHT	WELL CASING MATERIAL :	PVC
SIGNED:	<i>Don Light</i>	WELL CASING DIA. :	2" / 0.1632
SAMPLE MEDIA:	GROUNDWATER	P.I.D. READING / ODOR:	N/A NONE

FIELD PARAMETERS

DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
2-Feb	start	RIC-MW-1	12.02			8.21	1555	20.2	96	36	LT. BRN.
2-Feb	stop	RIC-MW-1	12.29	46.16	25.00	8.25	1643	20.4	95	19	CLEAR
2-Feb	start	RIC-MW-2	DRY								
2-Feb	stop	RIC-MW-2	DRY	16.12	0.00						
2-Feb	start	RIC-MW-3	7.33			7.67	1973	19.4	76	38	LT. BRN.
2-Feb	stop	RIC-MW-3	7.90	58.00	25.00	7.47	2137	19.7	7	30	CLEAR
2-Feb	start	RIC-MW-4	DRY	15.70							
2-Feb	stop	RIC-MW-4	DRY	15.70	0.00						
3-Feb	start	RIC-MW-5	11.52			8.14	971	18.4	43	240	LT. BRN.
3-Feb	stop	RIC-MW-5	11.81	57.85	25.00	8.33	546	19.0	33	168	CLEAR
3-Feb	start	RIC-MW-6	9.95	15.10		8.08	914	18.8	43	330	BROWN
3-Feb	stop	RIC-MW-6	DRY	15.10	0.00						
3-Feb	start	RIC-MW-7s	12.78			8.22	1490	22.1	81	580	LT. BRN.
3-Feb	stop	RIC-MW-7s	17.70	27.76	30.00	8.12	1592	21.8	88	368	"
3-Feb	start	RIC-MW-7d	12.30			8.06	1233	22.8	126	440	BROWN
3-Feb	stop	RIC-MW-7d	12.50	48.49	25.00	8.16	1258	21.6	89	353	"
3-Feb	start	RIC-MW-8s	12.21			10.78	680	21.3	54	620	BROWN
3-Feb	stop	RIC-MW-8s	12.76	30.21	25.00	9.70	844	21.1	58	591	"
3-Feb	start	RIC-MW-8d	12.64			8.57	1371	20.8	79	155	BROWN
3-Feb	stop	RIC-MW-8d	12.73	51.31	25.00	8.29	1340	20.3	69	106	"
3-Feb	start	RIC-MW-9s	12.54			8.28	1038	22.3	91	380	BROWN
3-Feb	stop	RIC-MW-9s	23.51	28.31	25.00	8.20	1043	21.9	94	293	"
3-Feb	start	RIC-MW-9d	10.27			8.15	1220	21.1	94	100	BROWN
3-Feb	stop	RIC-MW-9d	10.70	48.27	25.00	8.11	1265	20.9	94	76	CLEAR

D. T. W. AFTER PURGE: N/A D. T. W. AT SAMPLE TIME: N/A

WELL INTEGRITY: SEE COMMENTS ON DEVELOPMENT SUMMARY.

WELL LOCATION: SEE SITE MAP.

REMARKS: "s" IN THE MONITORING WELL COLUMN REFERS TO THE SHALLOW WELL.
"d" IN THE MONITORING WELL COLUMN REFERS TO THE DEEP WELL.

WEATHER: CLEAR / WINDY. WIND: NW 15

QUALITY CONTROL: NEW NITRILE GLOVES AT EACH SAMPLE POINT.

CONTAINMENT: NONE

INSTRUMENTATION: MYRON ULTRAMETER II HACH 2100P TURBIDIMETER
SOLINST DEPTH TO WATER METER



SOZINHO DAIRY # 2

MONITORING WELL DEVELOPMENT TASKS LOG 2013

DATE	WELL CASING	MONUMENT	D.T.W.	SEAL	RECHARGE	ODOR	SHEEN	TOTAL DEPTH - FEET.10TH's			
								SURGING	SURGING	TOTAL	TOTAL VOL.
2/22/2013	DIAMETER	TYPE	FEET. INCH	DROPPED				BEFORE	AFTER	DIFF.	PURGED (GAL.)
LOCATION											
SO2-MW1	2"	POST	65.90	NO	GOOD	NONE	NONE	73.00	75.80	2.80	10
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
SO2-MW2	2"	POST	62.30	NO	GOOD	NONE	NONE	65.10	73.09	7.99	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
SO2-MW3	2"	POST	66.80	NO	FAIR	NONE	NONE	68.40	60.70	-7.70	15
COMMENTS :		THE WELL HAD A VENTED CAP AND A MASTER LOCK WAS INSTALLED. WELL HAS A LARGE AMOUNT OF FINE SAND FLOWING INTO CASING. APPEARS THE CASING IS BROKEN - WOULD NOT CLEAN UP.									
SO2-MW4	2"	POST	69.50	NO	GOOD	NONE	NONE	75.10	75.55	0.45	10
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
SO2-MW5s	2"	POST	DRY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
SO2-MW5d	2"	POST	66.65	NO	GOOD	NONE	NONE	88.80	88.96	0.16	20
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
SO2-MW6s	2"	FLUSH	64.94	NO	GOOD	NONE	NONE	90.55	91.15	0.60	30
SO2-MW6d	2"	FLUSH	64.95	NO	GOOD	NONE	NONE	102.30	102.50	0.20	50
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
SO2-MW7s	2"	FLUSH	63.70	NO	GOOD	NONE	NONE	85.10	86.69	1.59	30
SO2-MW7d	2"	FLUSH	63.72	NO	GOOD	NONE	NONE	93.50	95.95	2.45	50
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									
SO2-MW8s	2"	FLUSH	62.35	NO	GOOD	NONE	NONE	74.00	74.95	0.95	25
SO2-MW8d	2"	FLUSH	62.32	NO	GOOD	NONE	NONE	90.00	92.05	2.05	40
COMMENTS :		WELLS DID HAVE CAPS. REPLACED THEM WITH NEW VENTED PVC CAPS. LOCKS WERE INSTALLED. A NEW WATERRA INERTIA PUMP W/ DEDICATED STAINLESS STEEL CHECK VALVE WAS ALSO INSTALLED. WE HAD A GOOD BOTTOM TAP ON WELL.									

NOTES: EACH OF THESE WELLS HAD A STEEL MONUMENT.

ALL MEASUREMENTS WERE MADE FROM THE NORTH SIDE AND TOP EDGE OF THE WELL CASING. THE TOP OF CASING WITH A NOTCH OR BLACK MARKINGS, WHICH EVER ONE CONDITION IS APPROPRIATE.



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION -		SOZINHO DAIRY # 2		DATE:		2/22/2013					
PROJECT NAME:				SOZINHO DAIRY # 2		ANALYSIS PERFORMED:				N/A	
ADDRESS:				8489 EAST ELKHORN AVE.		SAMPLE TIME:				NO SAMPLE TAKEN	
CITY, STATE:				SELMA, CA. 93662		SAMPLE CONTAINERS:				N/A	
SITE CONTACT:				TILL ANGERMANN		PRESERVATIVES:				N/A	
CONSULTANT:				LUHDORFF & SCALMANINI		LAB. ANALYSIS BY:				N/A	
PROJECT MANAGER:				LUHDORFF & SCALMANINI		MONUMENT:				POST	
WELL DEVELOPER:				DEL-TECH / DON LIGHT		WELL CASING MATERIAL :				PVC	
SIGNED:				<i>Don Light</i>		WELL CASING DIA. :				2" / 0.1632	
SAMPLE MEDIA:				GROUNDWATER		P.I.D. READING / ODOR:				N/A NONE	
FIELD PARAMETERS											
DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
22-Feb	start	SO2-MW1	67.62	73.00		8.57	549	19.0	107	730	LT. BROWN
22-Feb	stop	SO2-MW1	67.01	75.80	20.00	8.53	547	19.7	88	560	"
22-Feb	start	SO2-MW2	63.46	65.10		8.32	2186	18.7	126	> 1000	BROWN
22-Feb	stop	SO2-MW2	63.44	73.09	20.00	7.93	2374	18.7	113	901	LT. BROWN
22-Feb	start	SO2-MW3	66.80	68.40		8.11	2095	18.5	133	> 1000	BROWN
22-Feb	stop	SO2-MW3	68.10	60.70	20.00	7.90	2150	18.7	120	> 1000	LT. BROWN
22-Feb	start	SO2-MW4	69.22	75.19		7.97	1741	19.0	108	28	LT. BROWN
22-Feb	stop	SO2-MW4	69.22	75.22	20.00	7.87	1749	18.7	119	14	CLEAR
22-Feb	start	SO2-MW5s	DRY	33.10		N/A	N/A	N/A	N/A	N/A	N/A
22-Feb	stop	SO2-MW5s	"	33.10	0.00	"	"	"	"	"	"
22-Feb	start	SO2-MW5d	66.69	88.96		7.74	2428	20.4	113	260	LT. BROWN
22-Feb	stop	SO2-MW5d	66.73	89.67	20.00	7.41	2430	20.5	117	218	"
22-Feb	start	SO2-MW6s	64.69	91.09		8.15	1885	18.8	115	770	LT. BROWN
22-Feb	stop	SO2-MW6s	64.78	91.15	20.00	7.83	1923	18.4	126	634	"
22-Feb	start	SO2-MW6d	64.79	99.60		7.48	1891	18.2	115	80	LT. BROWN
22-Feb	stop	SO2-MW6d	64.74	101.00	20.00	7.50	1894	18.2	129	64	CLEAR
22-Feb	start	SO2-MW7s	64.14	86.43		7.94	1724	17.8	126	590	LT. BROWN
22-Feb	stop	SO2-MW7s	63.54	86.69	20.00	7.82	1809	17.6	128	400	"
22-Feb	start	SO2-MW7d	63.66	96.78		7.74	1857	17.3	131	240	LT. BROWN
22-Feb	stop	SO2-MW7d	63.83	95.95	20.00	7.39	1869	17.2	140	210	CLEAR
22-Feb	start	SO2-MW8s	61.96	74.95		8.13	2106	17.8	141	155	LT. BROWN
22-Feb	stop	SO2-MW8s	62.05	74.70	20.00	7.63	2069	18.2	182	112	CLEAR
22-Feb	start	SO2-MW8d	61.92	92.05		7.55	2275	18.1	153	90	LT. BROWN
22-Feb	stop	SO2-MW8d	62.05	92.00	20.00	7.52	2247	18.2	157	75	CLEAR
REMARKS:											
"s" IN THE MONITORING WELL COLUMN REFERS TO THE SHALLOW WELL.											
"d" IN THE MONITORING WELL COLUMN REFERS TO THE DEEP WELL.											
QUALITY CONTROL:											
NEW NITRILE GLOVES AT EACH SAMPLE POINT.											
CONTAINMENT:											
NONE											
INSTRUMENTATION:											
				MYRON ULTRAMETER II				HACH 2100P TURBIDIMETER			
				SOLINIST DEPTH TO WATER METER							



DEL-TECH GEOTECHNICAL SUPPORT SERVICES, INC.

MONITORING WELL PURGING FIELD LOG 2013

WELL DEVELOPMENT LOCATION -		ZONNEVELD DAIRY		DATE:		2/27/2013					
PROJECT NAME:		ZONNEVELD DAIRY				ANALYSIS PERFORMED:		N/A			
ADDRESS:		1560 CERINI AVENUE				SAMPLE TIME:		NO SAMPLE TAKEN			
CITY, STATE:		LATON, CA. 93242				SAMPLE CONTAINERS:		N/A			
SITE CONTACT:		TILL ANGERMANN				PRESERVATIVES:		N/A			
CONSULTANT:		LUHDORFF & SCALMANINI				LAB. ANALYSIS BY:		N/A			
PROJECT MANAGER:		LUHDORFF & SCALMANINI				MONUMENT:		POST			
WELL DEVELOPER:		DEL-TECH / DON LIGHT				WELL CASING MATERIAL :		PVC			
SIGNED:		<i>Don Light</i>				WELL CASING DIA. :		2" / 0.1632			
SAMPLE MEDIA:		GROUNDWATER				P.I.D. READING / ODOR:		N/A NONE			
FIELD PARAMETERS											
DATE		MONITORING WELL	DEPTH TO WATER (feet.in.)	TOTAL DEPTH (feet.in.)	TOTAL VOLUME PURGED (gal)	pH (units)	E. C. (UsMHOS)	TEMP. (Celsius)	O.R.P. (Mvolts)	TURBIDITY (N.T.U.)	COLOR
27-Feb	start	ZON-MW-1A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
27-Feb	stop	ZON-MW-1A	"	14.60	0.00	"	"	"	"	"	"
27-Feb	start	ZON-MW-1B	DRY			N/A	N/A	N/A	N/A	N/A	N/A
27-Feb	stop	ZON-MW-1B	"	38.60	0.00	"	"	"	"	"	"
27-Feb	start	ZON-MW-1C	104.11			8.16	1178	21.9	110	368	LT BROWN
27-Feb	stop	ZON-MW-1C	104.45	108.80	20.00	8.25	1179	22.0	109	175	CLEAR
27-Feb	start	ZON-MW-2A	93.69			8.38	366.3	18.8	94	660	LT BROWN
27-Feb	stop	ZON-MW-2A	93.55	99.50	30.00	8.25	381.3	18.9	98	496	LT BROWN
27-Feb	start	ZON-MW-2B	103.00			8.85	395.9	17.4	82	712	LT BROWN
27-Feb	stop	ZON-MW-2B	103.15	128.85	20.00	8.75	339.5	18.3	76	509	LT BROWN
27-Feb	start	ZON-MW-3A	99.03			N/A	N/A	N/A	N/A	N/A	N/A
27-Feb	stop	ZON-MW-3A	DRY	102.80	0.00	"	"	"	"	"	"
27-Feb	start	ZON-MW-3B	101.94			7.16	1110	22.0	119	200	LT BROWN
27-Feb	stop	ZON-MW-3B	101.99	142.95	20.00	8.13	1129	23.2	119	125	LT BROWN
27-Feb	start	ZON-MW-4A	DRY			N/A	N/A	N/A	N/A	N/A	N/A
27-Feb	stop	ZON-MW-4A	"	96.90	0.00	"	"	"	"	"	"
27-Feb	start	ZON-MW-4B	111.72			8.15	1057	23.6	104	1000+	CLEAR
27-Feb	stop	ZON-MW-4B	112.44	141.20	20.00	7.73	1315	21.5	118	695	LT BROWN
D. T. W. AFTER PURGE:		N/A				D. T. W. AT SAMPLE TIME:		N/A			
WELL INTEGRITY:		SEE COMMENTS ON DEVELOPMENT SUMMARY.									
WELL LOCATION:		SEE SITE MAP.									
REMARKS:		ON WELLS THAT WERE DRY - WE STILL AIR LIFTED AND REMOVED AS MUCH SEDIMENT AS POSSIBLE.									
WEATHER:		SUNNY / COOL					WIND:				
QUALITY CONTROL:		NEW NITRILE GLOVES AT EACH SAMPLE POINT.									
CONTAINMENT:		NONE									
INSTRUMENTATION:		MYRON ULTRAMETER II					HACH 2100P TURBIDIMETER				
		SOLINST DEPTH TO WATER METER									

