APPENDIX C
WELL DEVELOPMENT AND PURGE LOGS

WORK REQUEST FORM

Date of Request: 9/17/03 Requested Completion Date: 9/19/03

Proj Name: Pure Etch Proj No: 365

Site Address: 1021 Industrial Ave. Salinas. CA Task: none

Project Manager: John Lane Field Tech: A. Scoma

Client Contact: Ian Hunter Phone No: 310-265-6670

Site Contact: Daniel O'Brian Phone No: 831-4243637

Regulatory Contact: Evelia Rodriguez. DTSC Phone No: 510-540-3959

Approval: 9/18/03 Completion Date: 09/19,20/03 AS EKC

READ AND UNDERSTAND THIS WORK REQUEST PRIOR TO ARRIVING ON SITE

The scope of work will consist installing dedicated Waterra Equipment in site wells; monitoring DTW, purging and sampling five 2-inch wells. Chemical hazard is gasoline. Well MW1 has had free product in the past. Items to bring to site include Waterra pumps and tubing, water level probe, interface probe, field meters (pH/Conductivity/turbidity), cones or delineators, metal detector, ice chest with ice.

1. Drop by Lee & Pierce, Inc. Friday AM to pickup key. Gates are locked. Be on site by 9:00 AM. Don Light is supposed to meet you on site and so is Ramon, who runs the Tow business and has a dog in gated area near well MW3.

2. Make sure you follow all procedures in Groundwater Sampling and Analysis Plan (SAP). Open well tops and allow W/L to equilibrate. The order is MW3,MW2,MW5,MW4,MW1. Wells MW2 and MW5 are in the street. Note condition of well box, well lid, well cap, cap lock, well casing for each well. Note if any standing water is present at or near each well. Note any recommended repairs on the logs. Measure DTW and DTB in each site well after allowing wells to equilibrate for 15 minutes. Use interface probe in well MW1; it has had free product in the past. DTW should be around 57-58'.

3. If any product is present in well MW1, bail product and note volume of bailed product in salvage drum.

4. Install Waterra footvalve and tubing in wells in order. Monitor W/L immediately after installing downhole equipment in each well.

5. Purge and sample each well in turn. The order is MW3, MW2, MW5, MW4,MW1. Check W/L immediately prior to purging to make sure levels have stabilized per SAP. If measurements are static begin purging wells. Follow protocols in SAP related to purging and monitoring. Place footvalve about 3' below W/L and purge at about 5 gpm or less. Try to keep draw down at less than 2.5'. Monitor every 0.5 casing volumes for pH/EC/temp/turbidity. Sample after turbidity <50 NTU and other parameters stabilize per SAP.

6. Contain all water in drums. **Sample only after 80% recovery. Call PM if slow recovery prevents reaching 80% in reasonable timeframe.**

Ground Zero Analysis Inc.

Project Name: Pine Creek Date: 09/19/03

Project Number: 365 By: AS

Well ID	Time	DTW	DTB	DTP	ELEV.	ADJ. DTW	Comments
MW-1	1057	57.78	69.86	57.70			ZP Bail out 1/8" of product
2	1027	57.71	73.68				no odor
3	1023	58.95	70.20				no odor
4	1039	59.73	70.00				Gas odor
5	1034	59.20	69.65				no odor
MW-15	1151	58.89					Hand Bail 1.5 liter ← Remove this
22	1137	58.13					no odor
31	1130	59.68					no odor
44	1145	59.71					Gas odor
53	1143	59.18					no odor

Purge Log Form

Project Name: Pure Etch Project Number: 765 Site Location: Salinas

Well No: 1 Date: 09/20/03 Field Tech: A.I.

Total Depth: 69.86 Depth to water: 58.89 Water Column Length: 10.97

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.9

Total Purge Volume: 2.4 Casing volumes Produced: 1.3 Pump Type: Yaterra

PH Meter: Oaktow Calibrated: (Y) or N Cond. Meter: Oaktow Calibrated (Y) or N

Temp Meter: Oaktow Turbidity Meter: Micro Calibrated (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
0943	500 mL/min	ϕ	59.53	6.78	918	18.0	317.3	D.O. .4 Gas odor
0950	↓	.9	-	6.70	888	18.3	384.0	.3 Sheen
0959	↓	2.0	-	6.67	880	18.2	371.0	.4 Greenish sch
1002	↓	2.4	dry	6.63	874	18.2	368.4	well dry.
1006			65.90					
1051			62.35					
1119			61.00					

Storage or Disposal Method: 55 gal Total Drums Onsite: 6

Percent Recharge Prior to Sampling: 81% Sample Collection Method: disposal Bail

Sample Labeled: PE MW-1 Sample Time: 1130 Laboratory: Argon

Analysis: No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Time 0938 D.O. .7 DTW 59.53

	Time	DTP	DTW	
MW-1	0919	57.76	57.77	Bail .5 gal
↓	0925		59.53	↓

Well Box in good condition

Time 1120 D.O. .2 18.

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 2 Date: 09/19/03 Field Tech: DS

Total Depth: 73.68 Depth to water: 58.13 Water Column Length: 15.55

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 2.6

Total Purge Volume: 9.3 Casing volumes Produced: 3.6 Pump Type: Yaterra

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1610	1.5 Lpm	Ø	58.13	7.00	1003	18.5	~	D.O .05 No odor
1615		1.9	61.44	7.20	997	18.7	447	.05 Green
1622		4.5	65.26	7.27	935	18.7	526	.05 oil
1625		5.6	67.96	7.29	938	18.8	534.0	.2
1628		6.7		7.30	935	18.8	542.0	.2
1635		9.3	70.00	7.31	933	18.9	538.0	.2
1918			58.92					

Storage or Disposal Method: 55 gal Total Drums Onsite: 6

Percent Recharge Prior to Sampling: 95% Sample Collection Method: disposable Bail

Sample Labeled: PE MW-2 Sample Time: 1915 Laboratory: Argon

Analysis: No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Time 1605 DTW 58.13 D.O .1

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salin

Well No: 3 Date: 09/19/03 Field Tech: A.S

Total Depth: 70.20 Depth to water: 59.68 Water Column Length: 10.52

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.8

Total Purge Volume: 3.5 Casing volumes Produced: 1.9 Pump Type: Y.terra

PH Meter: Oakton Calibrated (Y) or N Cond. Meter: Oakton Calibrated (Y) or N

Temp Meter: Oakton. Turbidity Meter: Micro Calibrated (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1224	330mL pm	ϕ	59.37	7.01	1086	17.5	295.0	DO .5 no odor
1234	↓	1.0	60.59	6.90	1098	17.6	205.0	.6
1241	↓		63.15	6.88	1108	17.0	325.0	.4 lt Green odor
1259	↓	3.5	67.80	6.81	1118	17.1	403.0	.4 well dry
1303			68.65					
1350			66.10					
1408			65.68					

1704 62.07

Storage or Disposal Method: 55 gal. Total Drums Onsite: 6

Percent Recharge Prior to Sampling: 78% Sample Collection Method: disposable Bailer

Sample Labeled: PE MW-3 Sample Time: 1710 Laboratory: Aqua

Analysis: No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

ments: Time 1220 DO .6 DTW 59.37

Grout dropped 1.5' in well-3 all

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salem

Well No: 4 Date: 09/20/03 Field Tech: P.J

Total Depth: 70.00 Depth to water: 59.71 Water Column Length: 10.29

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.7

Total Purge Volume: 6.0 Casing volumes Produced: 3.5 Pump Type: Vatern

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons (total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments	
0800	50.0 mLpm	Ø	59.73	6.78	1089	18.0		DO .4	Gas odor
0810	↓		61.30	7.06	1099	18.0	808.0	.3	no sheen
0815			61.75	6.99	1105	18.1	652.7	.3	Greenish
0820		2.5		7.01	1108	18.2	192.0	.3	silt
0829		3.6		6.96	1113	18.1	153.4	.2	"
0835		4.4	61.84	6.95	1115	18.2	123.0	.2	Clear.
0845	↓	6.0	61.89	6.94	1116	18.3	121.0	.2	"

Storage or Disposal Method: 55 gal Total Drums Onsite: 6

Percent Recharge Prior to Sampling: 95% Sample Collection Method: disposable Bail.

Sample Labeled: PE MW-4 Sample Time: 1035 Laboratory: Argon

Analysis: No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Time 0756 DTW 59.73 DO .7

Time 0850 ↓ 60.20 ↓ .4

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salem

Well No: 5 Date: 09/19/03 Field Tech: PS

Total Depth: 69.65 Depth to water: 59.17 Water Column Length: 10.48

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.8

Total Purge Volume: 7.9 Casing volumes Produced: 4.4 Pump Type: Yterm

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments	
1755	1.5 Lpm	¢	59.17	7.15	1006	18.5	648	DO .2	Green odor
1800		1.9	59.59	7.21	1012	18.6	561	.1	no odor
1803		3.0	59.62	7.28	1018	18.5	556	.05	clear.
1807		4.5	59.61	7.30	1023	18.5	312.0	.03	
1811		6.0	59.61	7.31	1026	18.6	302.0	.05	
1816		7.9	59.62	7.30	1025	18.6	290.0	.06	
1820			59.19					.05	ok

Storage or Disposal Method: 55 gal Total Drums Onsite: 6

Percent Recharge Prior to Sampling: 100% Sample Collection Method: Dedicated Bailer

Sample Labeled: PE MW-5 Sample Time: 1940 Laboratory: Aqua

Analysis: No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Start 1753 DTW. 59.17 D.O .6

Grout dropped 1'

Daily Field Report		
Project Name: Pure Etch	Field Technician: DS	Date: 09/19/03
Project Activity: DNW Sol work	Job Number: 365	Page: 1 of

Leaving Escalon 0530, arrived in Salinas 0800
Picked up Keys from Frank's office.
Arrived on sit 0845. Don Light was already on sit.
Began by removing lids & plugs in all wells.
Was unable to access MW-3 due to locked Gate.

Ramon did not arrive on site to open up gate until 1030

WLP was used to monitor Wells 3, 2, 5 & 4
IP was used to monitor Well MW-1

	Time	OTW	DTB	DTP	Comment
MW-1	1057	57.78	69.86	57.70	IP Gas out of product 1/8"
2	1027	57.71	73.68		no odor
3	1023	58.95	70.20		no odor
4	1039	59.73	70.00		Gas odor
5	1034	59.20	69.65		no odor

Deployed Wyterra Tubbing and check valve in wells 3, 2, 5 & 4

Daily Field Report		
Project Name: Pure Etch	Field Technician: P.P	Date: 09/20/03
Project Activity: Qrtly Sit Work	Job Number: 365	Page: 5 of

MW-1 Time 1119 DTW 62.00
Time 1120 DO .2 Temp 18.°C

Sample time 1130 " "

Well Condition
All wells are 65-8 well Box's
All Box's + Casing 2" plugs + Locks are in good order
However grout in some of the wells dropped Below Skirt
Wells 3 dropped 1.5'
Well-5 dropped 1'

Drum Count 6 Black Poly's
1 Black poly mt.

MW-4 06/18/02 5 gal

MW-2,1,5 06/18/02 20 gal

MW-3 06/18/02 6 gal

MW-5,3,2 09/19/03 20.7 gal

MW-4 + 1 09/20/03 8.4 gal
Two drums Charged

Daily Field Report		
Project Name: Pure Etch	Field Technician: D.S	Date: 09/19/03
Project Activity: QRA/ Site work	Job Number: 365	Page: 2 of

Monitored Wells Again

	Time	DTW	Comment
MW-1	1151	58.89	Hand Bailer 1.5 liters IP ← Removed
2	1137	58.13	WLP no odor
3	1130	56.68	no odor
4	1145	59.71	Gas odor
5	1143	59.18	no odor

Wyterra pump was used to purge & Sample all Five wells.

Slow purge was needed to minimize draw down

Don Light was on site to train me on using the Wyterra pump.

Began with
MW-3 1224 flow 330 MLPM Monitored D.O, Turb., PH, Com & Temp water no odor. to LT Greenish silt.
Well dry 1259
Monitored well recovery.
Time 1704 DTW - 62.01
Sample Time 1710 TPH6/Btex / Oxy 1,2 DCA & EDB.
chlorobenzene, dichlorobenzene 61 8260's

Daily Field Report		
Project Name: Pure Etch	Field Technician: P.S	Date: 09/19/03
Project Activity: Only site work	Job Number: 365	Page: 3 of

MW-2 1610 flow 1.5 Lpm no odor, Greenish silt
Monitored D.O, Turb, PH, EC / Temp
Through out pumping.
Pump off 1635 DTW - 70.00 purged 9.3 gal
Tim 1918 DTW 58.92
Sample time 1915 TPHG/Btoss/Oxy 1,2 DCA + EDB
chlorobenzene, dichlorbenzene 6x 8260B

MW-5 1755 flow 1.5 Lpm water Greenish silt, no odor
water clear
Monitored parameters
1816 pump off DTW 59.62 purged 7.9 gallons
Tim 1820 DTW 59.19 D.O .5
Sample time 1940 " "

Secured site.

Off 2000

SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONT.	SAMPLE TYP	BTEX (602/8	TPHg (8015)	TPHd (8015)	OXYGENATES	601/8010	8260 FULL SC	1,2 DCA	chlorobenz	dichlorobe	by 8260			REMARKS
PE MW-1	09/20/03	1130		x	HCl	x	4	W	>	<		x			>	>	<	<			EDF + Hard Cop
PE MW-2	09/19/03	1915		x	↓	x	4	↓	>	<		x			>	>	<	<			Needed
PE MW-3	09/19/03	1710		x	↓	x	4	↓	>	<		x			>	>	<	<			
PE MW-4	09/20/03	1035		x	↓	x	4	↓	>	<		x			>	>	<	<			
PE MW-5	09/19/03	1940		x	↓	x	4	↓	>	<		x			>	>	<	<			

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
Anthony Scom	9/22/03	12:20	[illegible]	Argon	Ground Zero
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	REQUESTED TURNAROUND TIME: Standard	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RECEIPT CONDITION:	PROJECT MANAGER: John Lane

WORK REQUEST FORM

Date of Request: 12/26/03 Requested Completion Date: 12/29-12/31/03

Proj Name: Pure Etch Proj No: 365

Site Address: 1021 Industrial Ave, Salinas, CA Task: none

Project Manager: John Lane Field Tech: A. Scoma

Client Contact: Ian Hunter Phone No: 310-265-6670

Site Contact: Daniel O'Brian Phone No: 831-424-3637

Regulatory Contact: Evelia Rodriguez, DTSC Phone No: 510-540-3959

Approval: JL 12/29/03 Completion Date: 12/29/30/31/03 .05 EAC

READ AND UNDERSTAND THIS WORK REQUEST PRIOR TO ARRIVING ON SITE

The scope of work will consist installing dedicated Waterra Equipment in new site wells; monitoring DTW, developing six new wells (2 4-inch and 4 2-inch), re-developing 5 existing wells. Chemical hazard is gasoline. Well MW1 has had free product in the past. Items to bring to site include Waterra pumps, tubing, and surge blocks, ES-200 pump, water level probe, interface probe, field meters (pH/Conductivity/turbidity), cones or delineators, ice chest with ice.

1. Make sure you follow all procedures in Groundwater Sampling and Analysis Plan (SAP). Open well tops and allow W/L to equilibrate. The order is MW10, MW9, MW8, MW11, MW3, MW5, MW2, MW4, MW7, MW6, MW1. Wells MW2, MW5, and MW8 are in the street. Note condition of well box, well lid, well cap, cap lock, well casing for each well. Note if any standing water is present at or near each well. Note any recommended repairs on the logs. Mark with permanent marker the north side of the well casing for surveying. Measure DTW and DTB in each site well after allowing wells to equilibrate for 15 minutes. Use interface probe in wells MW1 and MW6; MW1 has had free product in the past and MW6 is very near the old UST. DTW should be around 60'.

2. If any product is present in wells MW1 or MW6, bail product and note volume of bailed product in salvage drum.

3. Use bailers, ES-200, and/or Waterra pump and surge blocks to develop wells.

4. Develop each well in turn. The order is MW10, MW9, MW8, MW11, MW3, MW5, MW2, MW4, MW7, MW6, MW1. Follow protocols in SAP related to monitoring and developing. Be sure to monitor every 0.5 casing volumes for pH/EC/temp/turbidity if possible during development. Goal is to develop until turbidity <50 NTU per SAP.

5. Contain all water in drums.

6. Take a detailed drum count of all drums. Make sure all drums are labeled. Call project manager on where you should store drums. Mark this location on map.

Daily Field Report		
Project Name: Pure Etch	Field Technician: P.S	Date: 12/31/04
Project Activity: Well Dev.	Job Number: 365	Page: 6 of 6

MW-4 1217 flow 1 Lpm water lt Greenish silt,
Surged. slight Gas odor.
Time 1233 water level below pump.
Time 1236 flow 700mL.
Pump off. dry. 1241 purged 6.5 gal. Turb. 39.4

MW-1 1310 flow 2 Lpm Greenish silt, Surge
Gas odor. no sheen. Water Below pump Time 1318
well dry. 1325 purged 7.5 gal. Turb. 52.8

Stored drums in building Labeled.

3 drums Charged.

open top steel 12/18/03 Decon water full
12/19/03
12/19/03
MW-10,11 → Black poly 12/30/03 well Dev. full
9,8,3 12/31/03
2,5,6,7,4,1 12/31/03

Locks are needed for all Wells.

Secured Site Leaving site 1424

Escalon office 1700.

Ground Zero Analysis Inc.

Project Name: Pure Etch Date: 12/30/03

Project Number: 365 By: DP

Well ID	Time	DTW	DTB	DTP	ELEV.	ADJ. DTW	Comments
MW-1	1011	58.48				← WLP	DTW IP 58.42
2	0935	58.16					no odor
3	0921	59.11	70.20				no odor
4	0940	60.21	70.00				Slight Gas odor
5	0930	59.71					no odor
6	1000	59.99	71.70		← DTB before Dev	← WLP	DTW. 59.92 IP Slight Gas odor
7	0946	59.71	69.30				DTB before Dev / no odor
8	0851	62.48	70.70				DTB before Dev / no odor
9	0839	61.57	71.40				← DTB before Dev. / no odor
10	0832	58.87	72.30			←	DTB before Dev. / no odor
11	0906	60.67	80.30				no odor
VEW-1							

Purge Log Form

Project Name: Pine Creek Project Number: 365 Site Location: Salem

Well No: 1 Date: 12/31/03 Field Tech: P.S

Total Depth: 70.00 Depth to water: 58.48 Water Column Length:

Casing Diameter: 2 Casing Factor: .17 Volume Calculation:

Total Purge Volume: Casing volumes Produced: Pump Type: ES. 600

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1310	2 Lpm.	0	58.48					Grounds set, Surge
1316	↓			6.82	1407	20.0	277	Gas odor
1318				6.79	1416	20.0	55.3	no sheen Water Below Pump
1321				6.77	1425	20.1	50.1	↓
1325	↓	7.5	dry.	6.76	1427	20.0	52.8	dry.

Storage or Disposal Method: 55 gal. Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments:

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salem

Well No: 2 Date: 12/31/03 Field Tech: PJ

Total Depth: 73.68 Depth to water: 58.16 Water Column Length: 15.52

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 2.6

Total Purge Volume: 9.1 Casing volumes Produced: 3.5 Pump Type: GS-200

PH Meter: Oakton Calibrated: Y or N Cond. Meter: Oakton Calibrated: Y or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
0800	1.5 Lpm	0	58.16	7.26	1348	17.1	593.2	Lt Brown oil
0803		1.1	–	7.30	1290	18.0	147.9	Surge. clear
0807		2.6	–	7.34	1278	18.2	109.1	Surge / no odor
0809		3.4	–	7.36	1269	18.6	80.9	clear
0811		4.2	–	7.35	1270	18.9	68.6	no odor Surge
0814		5.3	–	7.34	1274	18.9	55.1	
0820		7.6	–	7.38	1279	19.0	50.9	
0824		9.1	70.04	7.39	1281	19.1	50.1	off

Storage or Disposal Method: 55 gal. Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments:

Purge Log Form

Project Name: Pine Etch Project Number: 365 Site Location: Salina

Well No: 3 Date: 12/30/03 Field Tech: D.S

Total Depth: 70.20 Depth to water: 59.11 Water Column Length: 11.09

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.9

Total Purge Volume: _____ Casing volumes Produced: _____ Pump Type: ES-600

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1530	1.5 LPM	ϕ	59.11					Surge Brown silt
1538	↓	3.0	-	7.05	1795	17.8	897	no dry
1540	↓	3.8	-	7.09	1738	18.0	163.5	clearing, Surge
1546	300ML pm		-	6.99	1698	18.1	88.9	Rt. below pump
1550	↓	5.5	dry	6.93	1689	18.3	66.0	well dry

Storage or Disposal Method: 55 gal Total Drums Onsite: _____

Percent Recharge Prior to Sampling: _____ Sample Collection Method: _____

Sample Labeled: _____ Sample Time: _____ Laboratory: _____

Analysis: _____ No. of Containers: _____

Duplicate: _____ Trip Blank: _____ Rinsate Blank: _____

Comments: _____

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Selma

Well No: 4 Date: 12/31/03 Field Tech: DJ

Total Depth: 70.00 Depth to water: 60.21 Water Column Length:

Casing Diameter: 2 Casing Factor: .17 Volume Calculation:

Total Purge Volume: 6.5 Casing volumes Produced: Pump Type: ES-200

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1217	1 Lpm	ϕ	60.21	6.99	1488	19.0	556	LT Greenish oils
1229	↓	3.0		6.90	1402	19.4		Slight Gas odor, Surged.
1233	↓	4.0		6.87	1350	19.9	489.4	Water Begins Pump
1236	700mL			6.87	1337	20.4	181.0	Clear, Surged.
1238	↓			6.86	1342	20.2	38.5	Slight Gas odor, Clear
1241	↓	6.5	dry	6.90	1340	20.2	39.4	off

Storage or Disposal Method: 55 gal Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments:

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salin

Well No: 5 Date: 12/31/63 Field Tech: D.J

Total Depth: 69.65 Depth to water: 59.71 Water Column Length: 9.94

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.7

Total Purge Volume: 11.3 Casing volumes Produced: 6.6 Pump Type: 65.200

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
0720	3.5 Lpm	0	59.71	7.26	1854	17.4	51.1	Water clear
0724		3.5	-	7.08	1518	18.0	16.9	no water
0727		6.1	-	7.06	1530	18.6	5.4	Surge
0730		8.7	-	7.08	1534	18.3	2.6	Water clear
0733		11.3	60.12	7.10	1537	18.1	2.1	off

Storage or Disposal Method: 55 gal. Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments:

Purge Log Form

Project Name: Pine Etch Project Number: 365 Site Location: Solano

Well No: 6 Date: 12/31/03 Field Tech: P.S

Total Depth: 72.45 Depth to water: 59.99 Water Column Length:

Casing Diameter: 4 Casing Factor: .66 Volume Calculation:

Total Purge Volume: Casing volumes Produced: Pump Type: GS-200

PH Meter: Oakton Calibrated: Y or N Cond. Meter: Oakton Calibrated: Y or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
0950	2 Gpm	∅	59.99				~~AA~~	Water clear, Surge
0957	↓	14.0	–	7.33	1790	18.2	16.1	Clear, Surge
0959	↓	18.0	–	7.36	1930	18.3	18.2	↓ Slight Gas odor
1002	↓	24.0	dry	7.39	1999	18.4	15.9	dry

Storage or Disposal Method: 55 gal. Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments: Well Developing

DTB after purge 72.45

Purge Log Form

Project Name: Pine Ctr Project Number: 365 Site Location: Salem

Well No: 7 Date: 12/31/03 Field Tech: PS

Total Depth: Depth to water: 59.71 Water Column Length:

Casing Diameter: 4 Casing Factor: .66 Volume Calculation:

Total Purge Volume: 27.5 Casing volumes Produced: Pump Type: GS-200

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
0903	1.5 lpm	0	59.71					Surge, Greenish odor
0914	↓	16.5	dry.					Heavy Silt, Brownish odor
0918			68.20					Well recovery.
0924	1 Lpm.	0	67.63					Heavy Silt
0930	1	6.0	dry.					No odor. dry.
1117	1 Lpm		63.11	7.28	1967	18.0	715	Lt Brown odor
1126	1		—	7.32	1954	17.80	700.9	
1136	2 gpm	27.5	—	7.39	1980	18.1	508.3	
1142	1	↓		7.37	2010	18.2	396.5	
1145				7.40	2019	18.3	280.9	
1148				7.41	2020	18.4	279.4	Off.

Storage or Disposal Method: 55 gal Total Drums Onsite:

rcent Recharge Prior to Sampling: Sample Collection Method:

ple Labeled: Sample Time: Laboratory:

is: No. of Containers:

e: Trip Blank: Rinsate Blank:

Well Dev.

DTW. aft Dev 69.90

Purge Log Form

Project Name: Pure Ctch Project Number: 365 Site Location: Salinas

Well No: 8 Date: 12/30/03 Field Tech: P.S

Total Depth: 71.80 Depth to water: 62.48 Water Column Length:

Casing Diameter: 2 Casing Factor: .17 Volume Calculation:

Total Purge Volume: Casing volumes Produced: Pump Type: Es. 200

PH Meter: Oakton Calibrated: Y or N Cond. Meter: Oakton Calibrated: Y or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1215	1 Gpm	0	62.48					Greenish silt
1225	↓	10.0	69.17					Surge, Greenish silt
1230		15.0	69.22	7.23	3640	19.8	410	Clean.
1238	↓	23.0	70.10	7.15	3770	19.8	245	
1246	2 Lpm	27.0	–	7.12	3670	20.0	192.5	Water level below pump
1250	↓	29.0	–	7.10	3660	19.9	99.7	↓ Water clean
1255	↓	31.5	–	7.11	3650	19.9	59.1	↓ no odor
1259	↓	33.5	–	7.11	3660	19.9	48.9	off

Storage or Disposal Method: 55 gal Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments: Well Dev.

DTB after Dev. 71.80

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 9 Date: 12/30/03 Field Tech: P.S

Total Depth: _____ Depth to water: 61.57 Water Column Length: _____

Casing Diameter: _____ Casing Factor: _____ Volume Calculation: _____

Total Purge Volume: _____ Casing volumes Produced: _____ Pump Type: 65-20

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1131	2 Lpm	0	61.57					Surge. Heavy silt
1140	↓	4.5	dry.					no odor
1148	2 Lpm	0	68.58	7.44	2180	19.6	438	Surge, no odor
1152	↓	6.5	dry.	7.43	2160	19.5	418	dry.
1338	2 Lpm	0	61.57	7.22	1939	18.9	398.9	LT Brown silt
1344	↓	9.5	—	7.35	2000	19.0	247.5	no odor. Surge.
1345	1 Lpm	9.8	—	7.33	1989	19.2	199.8	water level below Pump
1355	1.	12.3	—	7.34	1911	19.4	90.7	clear.
1401	↓	13.8					54.7	off

Storage or Disposal Method: _____ Total Drums Onsite: _____

Percent Recharge Prior to Sampling: _____ Sample Collection Method: _____

Sample Labeled: _____ Sample Time: _____ Laboratory: _____

Analysis: _____ No. of Containers: _____

Duplicate: _____ Trip Blank: _____ Rinsate Blank: _____

Comments: 2" plug Changed

DTW after Dev. → 72.03

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 10 Date: 12/30/05 Field Tech: DS

Total Depth: Depth to water: 58.87 Water Column Length:

Casing Diameter: 2 Casing Factor: .17 Volume Calculation:

Total Purge Volume: Casing volumes Produced: Pump Type: GS. 200

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton. Turbidity Meter: Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1042	1 Gpm	Ø	58.87					Surge, Ground air
1048	↓	6.0	dry					well dry. off
1104	2 Gpm	Ø	65.44	7.18	1780	18.9	200	LT Brown air, Surge.
1113	↓	10.5	dry.	7.30	1718	18.8	185	no odor, dry. off
1310	2 Gpm	Ø	61.79	7.53	1398	18.6	129.4	clear, Surge
1313	↑	12.0	–	7.49	1361	18.7	111.0	no odor
1318	↓	14.5	dry	7.48	1358	18.8	100.4	water level below pump dry

Storage or Disposal Method: Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments:

Well Develope.

DTB 72.95 ← after Dev

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 11 Date: 12/29/03 Field Tech: A

Total Depth: Depth to water: Water Column Length:

Casing Diameter: 2 Casing Factor: .17 Volume Calculation:

Total Purge Volume: Casing volumes Produced: Pump Type: ES-200

PH Meter: Oakton Calibrated: Y or N Cond. Meter: Oakton Calibrated: Y or N

Temp Meter: Oakton Turbidity Meter: Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	Comments
1530	1 Gpm	0	60.31					Surge. Heavy brown oil
1546	↓	16.0	71.58					no odor
1555	↓	25.0	72.32	7.41	531	18.4	214	Surge clear
1601	2.5 Lpm	28.8		7.27	522	18.3	180	Surge, clear
1611	↓	35.1	72.55	7.21	518	18.3	75.0	Surge
1615	↓	37.6	72.57	7.18	516	18.2	51.0	clear
1630	↓	40.1	72.60	7.20	514	18.2	50.0	off

Storage or Disposal Method: 55 gal. Total Drums Onsite:

Percent Recharge Prior to Sampling: Sample Collection Method:

Sample Labeled: Sample Time: Laboratory:

Analysis: No. of Containers:

Duplicate: Trip Blank: Rinsate Blank:

Comments: Time DTW DTB

1517 60.31 79.30 ← DTB before Dev

Well Developing

Daily Field Report		
Project Name: Pine Pitch	Field Technician: P.J	Date: 12/29/03
Project Activity: O&M.	Job Number: 365	Page: 1 of 6

Leary Excavation 1024, Arrived on site. 1306.
Had the key to access MW. 11

Due to the heavy rain was unable to remove lids and plugs with out rain water going into well.

Monitor with WLP on Well-11

Time	DTW.	DTB
1517	60.31	79.30

DTB before Dev.

ES-200 pump was used to Dev. MW-11

MW-11 1530 flow. 1 gpm. Surge. - Heavy Brown silt, no odor.
Surged through out developing
flow. 2.5 gpm at 1601
Water clear, Turb. 50 NTU.
Pump off 1620 DTW. 72.60 purged 40.1 gallons.

DTB after developing 80.30

1630 Leary Sit. L.A Pierce - Burns.
Picked up key to access MW. 10 + 9.
Traveled to Orchard Supply. to Duplicate key's.

Off. 1700

Daily Field Report		
Project Name: Pine Tech	Field Technician: p.s	Date: 12/30/03
Project Activity: OM.	Job Number: 365	Page: 2 of 6

On site 0730.

Removed lids + plugs in all wells

WLP on wells. 10, 9, 8, 11, 3, 5, 2, 4, 7

IP on 6 & 1

	Time	DTW.	DTB.	
MW-1	1011	58.48		WLP
2	0935	58.16		
3	0921	59.11	70.20	
4	0940	60.21		
5	0930	59.71		
6	1000	59.99	71.70	DTB before Dev.
7	0946	59.71	69.30	←
8	0851	62.48	70.70	←
9	0839	61.57	71.40	←
10	0832	58.87	72.30	←
11	0906	60.67	80.23	← √ after Dev.

IP

	DTW.	
MW-6	59.92	interface hit water
↓ 1	58.42	↓

Daily Field Report		
Project Name: Pure Etch	Field Technician: AS	Date: 12/30/03
Project Activity: O&M.	Job Number: 365	Page: 3 of 6

ES 200 pump was used to Developer MW-10, 9, 8, & 3

MW-10 1042 flow: 1 lpm Surge Brown silt
well dry at 1048 6 gal.
Recovery - Time 1104 flow: 2 lpm water lt brown silt, Surge
well dry at 1113.
Recovery. Time 1310 DTW: 61.79. flow: 2 lpm
water clear no odor water below pump at 1318
well dry. 1318
Total purge 14.5 gal DTB after Dev. 72.95

MW-9 1131 flow: 2 lpm Surge Heavy silt, no odor
well dry. 1140
1148 Recovery Time 68.58 flow 2 lpm Surge, no odor.
well dry. 1152
Recovery. Time 1338 flow: 2 lpm lt brown silt,
water clear.
Time 1345 flow: 1 lpm. water below pump.
Pump off. 14.01 Total purge 13.8
DTB after purge 72.03

MW-8 1215 flow: 1 lpm Greenish silt, Surge Heavy silt
water cleaning.
Time 1246 flow: 2 lpm water below. Pump flow: 2 lpm
Surge water clearing.
Pump off 1259 purged 33.5 gallons.
DTB after Dev 71.80

Daily Field Report		
Project Name: Pure Etch	Field Technician: p.i	Date: 12/30/03
Project Activity: Qm.	Job Number: 365	Page: 4 of 6

MW-3 1530 flow 1.5 Lpm. Surge, Brown silt, no odor.

Water clear. Surge

Water Below. purge. flow 300ml.

well dry. 1550 Total purge 5.5 gal.

DTB. 70.20.

deployed Wyterra tubing down Wells. 11, 10, 9, 8 & 3

Second Set

Leaving Site 1700

off.

Daily Field Report		
Project Name: Pure Otch	Field Technician: PS	Date: 12/31/08
Project Activity: QM - well Dev.	Job Number: 365	Page: 5 of 6

On site 0700,

Developed Wells 5, 2, 6, 7, 4, 91

Pulled Wyterra Tubin from Wells 5, 2, 4 91

ES-200 pump was used to Developed Wells.

MW-5 0720 flow 3.5 Lpm. Water clear, no odor, Surge.
Surged through out pump. Water clear.
Pump off 0733 DTW 60.12 Turb 2.1
Purged 11.3 gal.

MW-2 0800 1.5 Lpm. Water Lt brownish oil, Surge,
no odor. Surged through out. pumping clear.
Pump off 0824 DTW 70.04 purged 9.1 gal Turb 50.1

MW-6 0950 flow 2 Lpm. Water clear. Surge.
Surged through out pumping
Pump off 1002 Well dry. purged 24 gallons. Turb 15.9

MW-7 0903 flow 1.5 Lpm. Surge, Greenish oil, Heavy sill.
Well dry. 0914 Well recovery.
Time 0924 DTW 67.63 flow 1 Lpm. Well dry 0930.
Well Recovery.
Time 1117 flow 1 Lpm. DTW 63.11. Surge, Lt Greenish oil
Time 1136 flow 200ml. clearing.
Time 1148 Well dry. Purged 27.5 gal Turb. 279.4

WORK REQUEST FORM

Date of Request: 01/26/04 Requested Completion Date: 01/28-29/04

Proj Name: Pure Etch Proj No: 365

Site Address: 1021 Industrial Ave, Salinas, CA Task: none

Project Manager: John Lane Field Tech: A. Scoma

Client Contact: Ian Hunter Phone No: 310-265-6670

Site Contact: Daniel O'Brian Phone No: 831-4243637

Regulatory Contact: Evelia Rodriguez, DTSC Phone No: 510-540-3959

Approval: CL 1/27/04 Completion Date: 01/28,29,30/04 EAC.

READ AND UNDERSTAND THIS WORK REQUEST PRIOR TO ARRIVING ON SITE

The scope of work will consist of monitoring DTW, purging and sampling 11 groundwater monitoring wells. Chemical hazard is gasoline. Well MW1 has had free product in the past. Items to bring to site include Waterra pump, water level probe, interface probe, field meters (pH/Conductivity/turbidity/DO), cones or delineators, metal detector, ice chest with ice.

1. Tenants are Ramon (Tow Truck 831-809-1864) and Trécé (831-759-4810). Lee & Pierce, Inc. should drop off DO meter when it arrives.

2. Make sure you follow all procedures in Groundwater Sampling and Analysis Plan (SAP). Open well tops and allow W/L to equilibrate. The order is MW10, MW9, MW8, MW11, MW3, MW5, MW2, MW4, MW7, MW6, MW1. Wells MW2, MW5, and MW8 are in the street. Note condition of well box, well lid, well cap, cap lock, well casing for each well. Note if any standing water is present at or near each well. Note any recommended repairs on the logs. Measure DTW and DTB in each site well after allowing wells to equilibrate for 15 minutes. Use interface probe in well MW1; it has had free product in the past. DTW should be around 58-60'.

3. If any product is present in well MW1, bail product and note volume of bailed product in salvage drum.

4. Purge and sample each well in turn. The order is MW10, MW9, MW8, MW11, MW3, MW5, MW2, MW4, MW7, MW6, MW1. Check W/L immediately prior to purging to make sure levels have stabilized per SAP. If measurements are static begin purging wells. Follow protocols in SAP related to purging and monitoring. Note that purging should begin at approximately 0.5 gpm (~1.9 lpm). Place footvalve about 3' below W/L and purge. Try to keep draw down at less than 2.5'. Monitor every 0.5 casing volumes for pH/EC/temp/turbidity/DO. Sample after turbidity <50 NTU and other parameters stabilize per SAP. Collect the split sample (label 301 and note which well in notes - use well 4,6,7 or 1)

5. Contain all water in drums. Sample only after 80% recovery. Call PM if slow recovery prevents reaching 80% in reasonable timeframe.

6. Sample all wells for TPHg/BTEX (EPA 8015B/8021B), oxygenates including EDB, 1,2-DCA, chlorobenzene, dichlorobenzene (EPA 8260B). Send samples to Argon Labs for analysis. Need EDF reporting as well. Note this on Chain of Custody.

7. Take a detailed drum count of all drums. Make sure all drums are labeled. Check with site manager on where you should store drums. Mark this location on map.

* 1 split dupe - label 301 on [illegible]
1 Trip Blank - label 201 and [illegible]

Drum Inventory

Date: 01/30/04 Project No.: 365 Site Name: Pine Etch

Total Number of Drums On-Site: 20

Well or Boring ID No.	Date Drum Filled	Volume In Drum	Solid Liquid or Sludge	Drum Condition	Overpack Y or N	Comments
Decon Water	06/06/02	full	Decon Water	Good	N	Open Top Steel
Label faded	—	full	Water			
Decon Water	06/06/02	full	Decon Water			These drums are located outside of building by MW-3
Decon Water	06/06/02	full	Decon Water			
Mt	Mt	Mt	Mt			Mt
MW-6	01/23/04	full	Soil			
Decon Water	01/23/04	20 Gal	Decon Water			MW-6 Decon Water
MW-6	01/23/04	full	Soil			
MW-6	01/23/04	full	MW-6 Soil			
MW-6	01/23/04	full	MW-6 Soil			
Decon Water	12/18/03	full	Decon Water			
Decon Water	12/19/03	full	Decon Water			These drums are inside building
Decon Water	12/19/03	full	Decon Water			
MW-10,11	12/30/03	full	Well Developed water			Black Poly
MW-9,8,3	12/31/03	full	Developed Water			
MW-2,5,6,7,4,1	12/31/03	full	Developed Water			
MW-10,9,8,11,3	01/28/04	40.0	Purge Water			
MW-2,4,5,1	01/29/04	26.3	Purge Water			
MW-6,7	01/30/04	33.0	Purge Water			
Mt	Mt	Mt	Mt			Mt

Ground Zero Analysis Inc.

Project Name: Pure Etch

Date: 01/28/03

Project Number: 365

By: [illegible]

Well ID	Time	DTW	DTB	DTP	ELEV.	ADJ. DTW	Comments
MW-1	1301	58.11	70.00				IP
2	1231	57.95	73.68				no odor
3	1213	58.55	70.20				no odor
4	1238	60.08	70.00				Slight Gas odor
5	1220	59.61	69.67				no odor
6	1255	59.79	72.45				Slight Gas odor
7	1244	59.61	69.94				no odor
8	1158	62.40	71.80				no odor
9	1152	61.49	72.03				no odor
10	1148	58.80	72.95				no odor
11	1206	58.96	80.30				no odor

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salem

Well No: 1 Date: 01/30/04 Field Tech: P.S

Total Depth: 70.00 Depth to water: 58.11 Water Column Length: 11.89

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 2.0

Total Purge Volume: 4.8 Casing volumes Produced: 2.4 Pump Type: Wyterra

PH Meter: Oakton Calibrated: Y or N Cond. Meter: Oakton Calibrated: Y or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
1200	1 Lpm	Φ	58.11	6.81	1338	19.5	331.7	.6	Lt Green silt
1203	↓	.75 gal	63.40	6.98	1319	20.1	149.1	.5	Gr odor
1206	↓	1.5	64.15	6.77	1311	20.0	113.0	.4	no sheen
1210	↓	2.5	65.55	6.74	1305	20.1	100.1	.3	
1214	↓	3.5	66.72	6.71	1308	20.1	210	.3	
1217	500mLpm	4.3	68.22	6.69	1304	20.0	258.9	.2	
1222	↓	4.8	dry						dry
1433			61.36						

Storage or Disposal Method: 55 gal Total Drums Onsite: 20

Percent Recharge Prior to Sampling: 73% Sample Collection Method: Wyterra

Sample Labeled: PE mw-1 Sample Time: 1430 Laboratory: Argon

Analysis: Btex/TpHG/Oxy/1,2 DCA + EDA chloral Dich @ (8260B) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: 65-8. Well Box Φ 2" plug. Locks are in good condition.

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 2 Date: 01/29/04 Field Tech: D.S

Total Depth: 73.68 Depth to water: 57.95 Water Column Length: 15.73

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 2.7

Total Purge Volume: 9.0 Casing volumes Produced: 3.3 Pump Type: Wyterra

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
1441	500 ml	ϕ	57.95	7.28	1299	19.1	614.9	1.8	LT Brown oil
1445		2 Liter	62.33	7.49	1280	19.2	749.0	1.2	no odor
1457		2.0	63.20	7.49	1272	19.9	774.0	1.0	
1509		3.5	63.74	7.49	1267	19.2	625.1	.8	
1521		5.0	64.93	7.51	1268	19.3	712.6	.7	LT Greenish oil
1533		6.5	66.20	7.53	1261	19.2	729.4	.7	
1545		8.0	66.38	7.55	1259	19.3	729.3	.6	
1553		9.0	67.28	7.57	1260	19.2	710.4	.7	oil
1734			59.23						

Storage or Disposal Method: 55 gal Total Drums Onsite: 20

Percent Recharge Prior to Sampling: 92% Sample Collection Method: Wyterra

Sample Labeled: PE MW-2 Sample Time: 1730 Laboratory: Argon

Analysis: Btex / TPH6 / Oxy 1,2 DCA + EDB Chlor / Diesel (8260B) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: 65.8 well Box & plug and Lock are in good condition Lock changed

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 3 Date: 01/29/04 Field Tech: p.s

Total Depth: 70.20 Depth to water: 58.55 Water Column Length: 11.65

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 2.0

Total Purge Volume: 6.2 Casing volumes Produced: 3.1 Pump Type: Wyterra

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
1120	500mL pm	ϕ	58.55	7.20	1702	15.7	50.1	4.0	Wat clear
1125		2.5 Liter	62.15	7.10	1728	16.0	209.6	3.1	no odor
1130		1.3 Gal	62.60	7.09	1737	16.3	358.7	2.2	
1138		2.3	63.78	7.04	1740	16.2	356.4	1.9	
1148		3.4	65.88	7.03	1744	16.5	689.4	1.2	LT Brown silty
1157		4.5	66.99	7.01	1748	16.7	555.0	.9	
1207		5.6		6.99	1752	16.6	550.1	.8	
1212		6.2	69.98	7.00	1750	16.6	549.3	.8	OH
1608			61.39						

Storage or Disposal Method: 55 gal. Total Drums Onsite: 20.

Percent Recharge Prior to Sampling: 76 % Sample Collection Method: Wyterra

Sample Labeled: PE MW-3 Sample Time: 1605 Laboratory: Argon

Analysis: Btex/TPHG/ Oxy 1,2 DCA + EDB Chlor/Dich 6(8260B) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: 65-8 Well in Good condition
Grout dropped 2' 2" plus Good condition & Lock in place.
Well Location Clear of any debris

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 5 Date: 01/29/04 Field Tech: D.S

Total Depth: 69.67 Depth to water: 59.61 Water Column Length: 10.06

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.7

Total Purge Volume: 6.5 Casing volumes Produced: 3.8 Pump Type: Wyterra

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
1303	2 Lpm.	0	59.61	7.69	986	18.1	170.3	.7	Water clear
1307		2.0	66.19	7.14	1403	20.0	35.15	.4	no odor
1310		3.5	60.21	7.10	1449	20.4	12.7	.3	
1312		4.5	60.22	7.08	1455	20.5	10.9	.2	
1314		5.5	60.22	7.05	1459	20.4	9.9	.1	
1316		6.5	60.22	7.04	1460	20.5	9.6	.2	off
1644			59.63						

Storage or Disposal Method: 55 gal. Total Drums Onsite: 20.

Percent Recharge Prior to Sampling: 100% Sample Collection Method: Wyterra

Sample Labeled: PE MW-5 Sample Time: 1640 Laboratory: Argon

Analysis: BTEX/TPH. No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: 65.8 Well Box & 2" plug. Lock replaced.
in Good Condition. Charged.

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 6 Date: 01/30/04 Field Tech: D.S

Total Depth: 72.45 Depth to water: 59.79 Water Column Length: 12.66

Casing Diameter: 4 Casing Factor: .66 Volume Calculation: 8.4

Total Purge Volume: 18.0 Casing volumes Produced: 2.1 Pump Type: Wyterra

PH Meter: Oakton Calibrated: Y or N Cond. Meter: Oakton Calibrated: Y or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
1045	1.5 Lpm	ϕ	59.79	7.40	1354	20.0	18.2	1.7	Water clear
1053	↓	3.0	63.20	7.35	1255	20.1	26.4	.8	Slight Gas odor
1105		7.5	65.40	7.19	1213	20.1	31.7	.6	No sheen
1117		12.0	67.64	7.23	1162	20.2	21.8	.6	↓
1129		16.5	69.50	7.25	1150	20.1	15.7	.5	
1133	↓	18.0	dry	–	–	–	–	–	dry off
1347			69.16						

Storage or Disposal Method: 55 gal Total Drums Onsite: 20

Percent Recharge Prior to Sampling: 26.0% Sample Collection Method: Wyterra

Sample Labeled: PEMW-6 Sample Time: 1340 Laboratory: Argon

Analysis: Btex/TPH/Oxy 1,2 DCA & EDB Chloro/Dich (by 82600) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: EMCO Wheaton Well Box and 4 plug in good condition
Lock changed

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salina

Well No: 7 Date: 01/30/04 Field Tech: P.S

Total Depth: 69.94 Depth to water: 59.61 Water Column Length: 10.33

Casing Diameter: 4 Casing Factor: .66 Volume Calculation: 6.8

Total Purge Volume: 15.3 Casing volumes Produced: 2.3 Pump Type: Wyterra

PH Meter: Oaktow Calibrated: Y or N Cond. Meter: Oaktow Calibrated: Y or N

Temp Meter: Oaktow Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
0850	3 Lpm	ϕ	59.61	7.01	1788	18.8	259.0	1.2	Lt Brownish silt
0858	↓	6.0	66.03	7.17	1824	19.0	363.5	1.1	No odor
0859									Off
0903	1.6 Lpm	6.0	66.72	7.20	1851	19.2	376.5	.8	Stand up Dropped Hose.
0910	↓	8.8	68.16	7.29	1864	19.1	280.4	.7	Brownish silt
0923	500 mLpm	14.0	68.66	7.31	1872	18.9	1123.0	.8	↑
0937	↓	15.3	69.28	7.33	1875	18.4	928.6	.9	dry
1144			64.38						
1322			61.79						

Storage or Disposal Method: 55 gal Total Drums Onsite: 20.

Percent Recharge Prior to Sampling: 79% Sample Collection Method: Wyterra

Sample Labeled: PE MW-7 Sample Time: 1315 Laboratory: Argon

Analysis: Btex/TPHG/OXY, 1,2 DCA & EPA chloride/dich (82608) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Enco Wheaton Well 4" pvc in good condition
Lock changed.

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salem

Well No: 8 Date: 01/29/04 Field Tech: A.S

Total Depth: 71.80 Depth to water: 62.40 Water Column Length: 9.4

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.6

Total Purge Volume: 6.1 Casing volumes Produced: 3.8 Pump Type: Wyterra

PH Meter: Oaktov Calibrated: (Y) or N Cond. Meter: Oaktov Calibrated: (Y) or N

Temp Meter: Oaktov Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
0758	1.5 Lpm	∅	62.40	7.36	3140	17.2	1082	2.6	LT Brown
0800		3 Liter	64.52	7.15	3520	17.6	710	2.0	no odor
0803		1.9 Gal	65.00	7.14	3710	17.8	480	1.9	
0805		2.7 Gal	65.33	7.10	3740	17.9	310	.9	
0807		3.5 Gal		7.12	3760	18.0	280	.8	Clearing
0810		4.6 Gal	65.45	7.11	3750	18.1	190	.8	no odor
0814		6.1 Gal	65.55	7.06	3770	18.3	88.0	.8	Off
1009			62.41						

Storage or Disposal Method: 55 gal. Total Drums Onsite: 20.

Percent Recharge Prior to Sampling: 100% Sample Collection Method: Disposable Bailer

Sample Labeled: PE MW-8 Sample Time: 1000 Laboratory: Aron

Analysis: Btex TPH6 / oxy 1,2 DCA & EPA chlorobenzene, Dichlorobenzene 6x (82603) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Emco Wheaton & 2 plug. & Dolphin Lock in Good condition

Upon Sampling with wyterra. Foot Valve came off

Disposable Bailer was used to Sample Water Lock changed

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salina

Well No: 9 Date: 01/28/04 Field Tech: DS

Total Depth: 72.03 Depth to water: 61.49 Water Column Length: 10.54

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 1.8

Total Purge Volume: 6.4 Casing volumes Produced: 3.6 Pump Type: Wyterra

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: (Y) or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	DO	
1511	500 mL/min	Ø	61.49	7.49	1886	18.2	791	4.0	Lt brown sil
1515		2 Liter	62.86	7.28	1963	18.6	790	2.5	no odor
1520		1.0	62.95	7.26	1972	18.7	808	1.9	
1530		2.1	63.18	7.30	1929	18.4	499	1.8	cleaning.
1540		3.2	63.22	7.31	1934	18.3	413	2.1	
1550		4.3	63.28	7.33	1936	18.4	116	1.8	
1600		5.4	63.34	7.35	1939	18.5	65.1	1.7	
1608		6.4	63.37	7.37	1940	18.5	50.9	1.8	

1617 61.97

Storage or Disposal Method: 55 gal. Total Drums Onsite: 20

Percent Recharge Prior to Sampling: 95% Sample Collection Method: Wyterra

Sample Labeled: PE MW-9 Sample Time: 1645 Laboratory: Anon

Analysis: Btex TPHG Oxy 1,2 DCA + EDB ch/DMO / DCA G (8260B) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Emco wheaton in Good condition
Lock is needed to secure well.
2" plug in good condition

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salinas

Well No: 10 Date: 01/28/04 Field Tech: DS

Total Depth: 72.95 Depth to water: 58.80 Water Column Length: 14.15

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 2.4

Total Purge Volume: 7.8 Casing volumes Produced: 3.3 Pump Type: Wyterra

PH Meter: Oakton Calibrated: (Y) or N Cond. Meter: Oakton Calibrated: (Y) or N

Temp Meter: Oakton Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
1358	1 Lpm.	∅	58.80	7.67	1265	18.1	658	2.4	LT Brown silt
1403	↓	1.3	61.98	7.42	1303	18.2	560	1.8	no odor
1408		2.6	62.65	7.49	1315	18.4	416	1.9	
1413		3.9	63.10	7.45	1317	18.4	356	1.9	clearing.
1418		5.2	63.65	7.50	1328	18.3	312	1.7	
1423		6.5	63.99	7.57	1330	18.1	326	1.8	LT Brown silt
1428		7.8	64.28	7.59	1333	18.0	356.0	1.8	odd
1629			60.59						

Storage or Disposal Method: 55 gal Total Drums Onsite: 20

Percent Recharge Prior to Sampling: 87% Sample Collection Method: Wyterra

Sample Labeled: PE mw-10 Sample Time: 1620 Laboratory: Argon

Analysis: Btex/TPHG/Oxy 1,2 DCA & CDB, Chlorobenzene. Dichlorobenzene (8260B) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: Monument in Good condition no surrounding water around well. Dophlin Lock Secured monument.

Purge Log Form

Project Name: Pure Etch Project Number: 365 Site Location: Salem

Well No: 11 Date: 01/29/04 Field Tech: DS

Total Depth: 80.30 Depth to water: 58.96 Water Column Length: 21.34

Casing Diameter: 2 Casing Factor: .17 Volume Calculation: 3.6

Total Purge Volume: 11.6 Casing volumes Produced: 3.2 Pump Type: Wyterra

PH Meter: Oaktow Calibrated: Y or N Cond. Meter: Oaktow Calibrated: Y or N

Temp Meter: Oaktow Turbidity Meter: Micro Calibrated: Y or N

[Casing Factor: 2"=.17 3"=.38 4"=.66 5"=1.02 6"=1.5 8"=2.6 (In Gallons per linear foot)]

Time	Prod. Rate	Gallons(total)	DTW	Ph	Ec	Temp (°C)	Turbidity	D.O	
0854	2.5 Lpm	0	58.96	7.48	1395	18.4		2.5	Brownish sd
0857		1.8 (gal)	68.68	7.38	1293	18.5	330.	1.9	no odr
0900		3.7 (gal)	70.30	7.35	1289	18.7	290	1.6	
0903		5.5 (gal)	70.40	7.32	1286	18.5	289	1.5	
0906		7.3 (gal)	70.45	7.30	1282	18.2	295	1.5	
0909		9.1	70.55	7.33	1285	18.1	280	1.8	
0913		11.6	70.60	7.35	1288	18.4	300	2.0	off
1225			59.11						

Storage or Disposal Method: 55 gal Total Drums Onsite: 20

Percent Recharge Prior to Sampling: 99% Sample Collection Method: Wyterra L

Sample Labeled: PE MW-11 Sample Time: 1220 Laboratory: Argon

Analysis: Btex / TPHG / Oxy / 1,2 DCA + EDB chlorw / Dich by (8260B) No. of Containers: 4

Duplicate: Trip Blank: Rinsate Blank:

Comments: EMCO Wheaton 2" plug. in good condition
Lock is needed to secure well.

Daily Field Report		
Project Name: Pure Etch	Field Technician: p.i	Date: 01/28/04
Project Activity: Qrtly Site Work	Job Number: 365	Page: 1 of 6

Leaving Escalon 0706, arrived on site 1000.

Removed lids & plugs in all wells.

WLP was used to monitor wells
order 10, 9, 8, 11, 3, 5, 2, 4, 7, & 6
IP on well 1

	Time	DTW	DTD	Comment
MW-1	1301	58.11	70.00	IP
2	1231	57.95	73.68	no odor
3	1213	58.55	70.20	no odor
4	1238	60.08	70.00	Slight Gas odor
5	1220	59.61	69.67	no odor
6	1255	59.79	72.45	Slight Gas odor
7	1244	59.61	69.94	no odor
8	1158	62.40	71.80	no odor
9	1152	61.49	72.03	no odor
10	1148	58.80	72.95	no odor
11	1206	58.96	80.30	no odor

A slow purge was needed to achieve minimize draw down to monitor D.O Reading.

Waterra pump was used to purge & sample all wells.

Daily Field Report		
Project Name: Pure Etch	Field Technician: P.r	Date: 01/28/04
Project Activity: Qrtly Sub Work.	Job Number: 365	Page: 2 of 6

disabled Truck needed to be moved to access MW-3

MW-10 1358 flow 1 Lpm. Water Lt Brownish silt, no odor.
Water clearing at 1413.
Time 1423 Lt Brownish silt,
Pump off 1428 DTW 64.28 Purged 7.8 Gal.
Sample time 1620 Atex/TPH/Oxy 1.2 DCS & CDS chlorin./ Dich G (≈60B)
Monument in good condition, no surrounding water around well.
Dolphin Lock changed

MW-9 1511 flow 500ML pm. Water Lt Brownish silt, no odor.
Water clearing at 1530.
Pump off 1608 DTW 63.37 Purged 6.4 gallons.
Sample time 1645 " "
Emco Wheaton in Good Condition & 2" plug in good condition
Lock is needed.

Secured Site.

Off 1700

Orchard Supply to copy Keys

Daily Field Report		
Project Name: Pine Etch	Field Technician: P.S	Date: 01/29/04
Project Activity: Daily sch work.	Job Number: 365	Page: 3 of 6

On site 0730, Purged & Sampled Wells. 8, 11, 3, 5, & 2

MW-8 0758 flow: 1.5 Lpm. water Lt Brownish silt, no odor.
water began clearing at 0807.
pump off. 0814. DTW: 65.55: purged 6.1 gal
Sample time 1000 "
Time 1009 DTW: 62.41
Emco wheaton 2" plug & Lock all are in good condition.
upon Sampling with Waterra, foot Valve came off.
Disposable Bailer was used to Sample Well.
Lock Charged.

MW-11 0854 flow: 2.5 Lpm. water Brownish silt, no odor.
Time 0913. pump off
DTW: 70.60 purged 11.6 gallons.
Sample time 1220 " "
Time 1225 DTW: 59.11
Emco wheaton 2" plug in good condition
Lock is needed

MW-3 1120 500ml pm. water clear, no odor.
Time 1148 Lt Brownish silt
pump off 1212 DTW: 69.98 purged 6.2 gal.
Sample time 1605 " "
Time 1608 DTW: 61.39
65.8 Well Box in Good Condition 2" plug & Lock in place.
Grout dropped 2'
Well Location is clean of any debris.

Daily Field Report		
Project Name: Pine Etch	Field Technician: p s	Date: 01/29/04
Project Activity: Qtrly Site Work	Job Number: 365	Page: 4 of 6

MW-5 1303 flow 2Lpm Water clear, no odor.

pump off 1316.

DTW 60.22 purged 6.5 gal

Sample time 1640 "

Time 1644 DTW 59.63

65-8 Well Box & 2" plugs in good condition

Lock changed

MW-2 1441 flow 500ML with LT Brownish silt/ no odor.

LT Brownish silt

pump off 1553 DTW 67.28 purged 9 gallons

Sample time 1730 "

Time 1734 DTW 59.23

65-8 well Box & plugs are in good condition Lock changed

Secured Site.

off 1800

Daily Field Report		
Project Name: Pure Etch	Field Technician: D.S	Date: 01/30/04
Project Activity: Daily Sub Work	Job Number: 365	Page: 5 of 6

On site 0718.

MW-4 0751 flow 500ml p.m. water Greenish silt, slight Gas odor.

Water clearing at 0759.

Pump off 0815 DTW 63.91 Purged 6 gallons

Sample time 1010 " "

Time 1015 DTW 60.08

65.8 well box 2" plug are in good condition Lock changed

MW-7 0850 flow 3Lp.m. Water Lt Brown silt, no odor.

Water level dropped pump off.

dropped hose.

Start up 0903 Flow 1.6 Lpm. Time 0923 flow 500mLpm

well dry at 0937. Purged 15.3 gallons

Time 1144 DTW 64.38. "

Sample time 1315 "

Time 1322 DTW 61.79.

Emco Wheaton 1 4" plug are in Good condition

Lock changed

Daily Field Report		
Project Name: Pure Etch	Field Technician: AS	Date: 01/30/04
Project Activity: Qxtrx Site Works	Job Number: 365	Page: 6 of 6

MW-6 1045 Flow 1.5 Lpm. water clear. Slight Gas odor.
no sheen..

Well dry. 1133 purged 18 gallons.
Sample time 1340 " "
Time 1347 DTW. DTW. 69.16
Emco Wheaton Well Box & 4" plug are in good condition
Lock Changed.

MW-1 1200 Flow 1 Lpm water Lt Greenish cill. Gas odor
no sheen.
Time 1217 flow. 500mLpm.
Well dry. 1222 purged 4.8 gallons
Sample time 1430 " "
Time 1433 DTW. 61.36.
65.8 Well Box & 2 plug & Lock are in good condition.

Ground Truth. Vapor Well.

Photo's were taken. on wells 10, 9, 8, 5, 4, 7, 6, Vapor Well, 1, 2, 3

Drum Inventory Taken. no drums charged

Secured Site.

Leaving Site at 1500
Argon Lab. 1712.
Escalon 1754. off.

GROUND ZERO ANALYSIS

№ 19[illegible]

CHAIN OF CUSTODY RECORD ANALYSIS REQUEST

PROJECT NO.: 365

PROJECT NAME/SITE: Pure Etch

SAMPLERS (SIGN): Anthony Scott

(PRINT): Anthony Scott

P.O. #:

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	BTEX (602/8020) G	TPHg (8015) G	TPHd (8015)	OXYGENATES (8260) E	601/8010	8260 FULL SCAN	Chlorobenzene	Dichlorobenzene	1,2 DCA + EDB by (8260 B)			REMARKS
PE MW - 1	01/30/04	1430		X	HCl	X	4	W	X	X		X			X	X	X	X		EDF + Hard Copy
PE MW - 2	01/29/04	1730		X		X	4		X	X		X			X	X	X	X		needed
PE MW - 3	01/29/04	1605		X		X	4		X	X		X			X	X	X	X		
PE MW - 4	01/30/04	1010		X		X	4		X	X		X			X	X	X	X		
PE MW - 5	01/29/04	1640		X		X	4		X	X		X			X	X	X	X		
PE MW - 6	01/30/04	1340		X		X	4		X	X		X			X	X	X	X		
PE MW - 7	01/30/04	1315		X		X	4		X	X		X			X	X	X	X		
PE MW - 8	01/29/04	1000		X		X	4		X	X		X			X	X	X	X		
PE MW - 9	01/29/04	1645		X		X	4		X	X		X			X	X	X	X		
PE MW - 10	01/29/04	1620		X		X	4		X	X		X			X	X	X	X		
PE MW - 11	01/29/04	1220		X	↓	X	4	↓	X	X		X			X	X	X	X		

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Anthony Scott	01/30/04	1715	[illegible]

LABORATORY: Argon

REQUESTED TURNAROUND TIME: Standard

RECEIPT CONDITION:

PLEASE SEND RESULTS TO: Ground Zero

PROJECT MANAGER: John Hare