Geology / Engineering Geology / Environmental Studies

HOEXTER CONSULTING, INC.
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May 17, 2008

E-10-1F-565F
HCEnvtRpts:SeminaryWellRedevLtr

Estate of Doyle Grimit
c/o Angel La Marca
945 S. Lehigh St.
Anaheim Hills, California 92807

RE: **MONITORING WELL RE-DEVELOPMENT**
STID 553 - GRIMIT AUTO AND REPAIR
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

Dear Ms. La Marca:

INTRODUCTION

This letter documents the redevelopment of monitoring wells at 1970 Seminary Avenue, Oakland, California. The project location is shown on Figure 1, Location Map. Monitoring wells are shown on Figure 2, Site Plan.

Our services have been provided under our April 19, 2007 proposal. The well redevelopment was approved by Barbara Jakub, Hazardous Materials Specialist with the Alameda County Environmental Health, Environmental Cleanup Oversight Program, in an email message dated April 7, 2008 (copy attached).

PURPOSE OF INVESTIGATION

Nine monitoring wells are present at the site. The wells were installed from 1990 through 1997. Production of purge water from eight of nine of these wells has declined over time. Production is only two or three well volumes from each well with nearly complete draw down, and very slow equilibration and recovery. The intended result of redevelopment is to produce increased water production and thus representative ground water samples.

SCOPE OF SERVICES

The work performed during this investigation consisted of the following tasks:

- Client discussions; develop scope of work and preliminary estimate cost.
- Preparation; discussions with well development sub-contractor.
- Well re-development.
- Preparation of this letter.

OBSERVATIONS

Blaine Tech Services, Inc. of San Jose, California, specialists in well development and sampling, were retained to develop monitoring wells MW- 1-7 and 9 (well MW-8 does not draw down during purging, and was therefore not re-developed). The undersigned geologist was present to orientate the Blaine Tech field technician and observe the initial activities. The technician first measured the depth to water and the depth to the bottom of each well. Each well was then vigorously swabbed and purged with a bailer or pump. Temperature, pH, specific conductivity and turbidity were monitored and recorded. All equipment was decontaminated between wells.

Each of the wells was dewatered by this process. Blaine Tech returned to the site the following day to repeat the process in wells with sufficient recovery. Well development data sheets are attached to this letter as Appendix B.

Approximately 100 gallons of purge water, contained in two-55 gallon drums, were produced. The drums were labeled and remain on site. They will be transported and the contents properly disposed of by a certified hazardous materials contractor in conjunction with purge water produced during the upcoming scheduled July 2008 well sampling event.

DISCUSSION

We anticipate improved well yields following the redevelopment. It will be possible to assess the success of the redevelopment when the wells are next sampled in July 2008.

LIMITATIONS

This letter has been prepared according to generally accepted geologic and environmental practices. No other warranty, either expressed or implied as to the methods, results, conclusions or professional advice provided is made. It should be recognized that certain limitations are inherent in the evaluation of subsurface conditions, and that certain conditions may not be detected during an investigation of this type. If you wish to reduce the level of uncertainty associated with this study, we should be contacted for additional consultation.

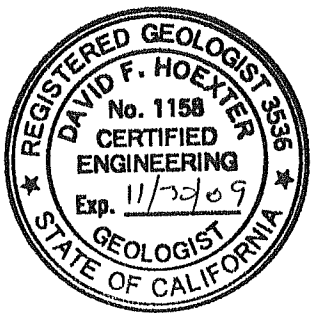
The analysis, conclusions and recommendations contained in this letter are based on site conditions as they existed at the time of our investigation; review of previous reports relevant to the site conditions; and laboratory results from an outside analytical laboratory. Changes in the information or data gained from any of these sources could result in changes in our conclusions or recommendations. If such changes do occur, we should be advised so that we can review our letter in light of those changes.

CLOSING

We appreciate the opportunity to provide services to you on this project and trust this letter meets your needs at this time. If you have any questions, or require additional information, please do not hesitate to call.

Very truly yours,

HOEXTER CONSULTING, INC.

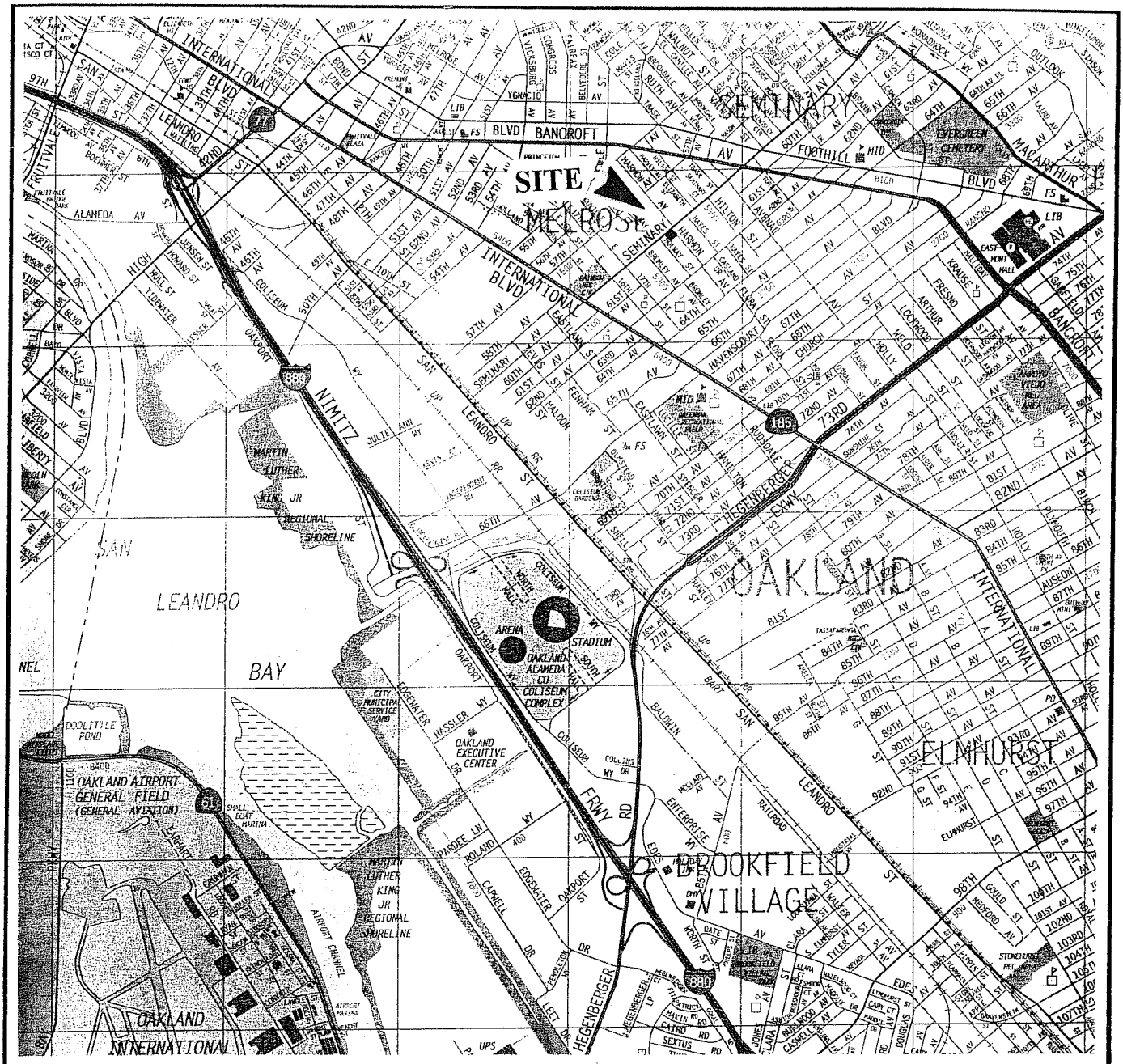


David F. Hoexter, PG/CEG/REA
Principal Geologist

Attached:

Figure 1 - Location Map
Figure 2 - Site Plan
Regulatory Agency Approval Memo
Well Development Data Sheets (Blaine Tech Services, Inc.)

ATTACHMENTS



Source: Thomas Brothers Maps.

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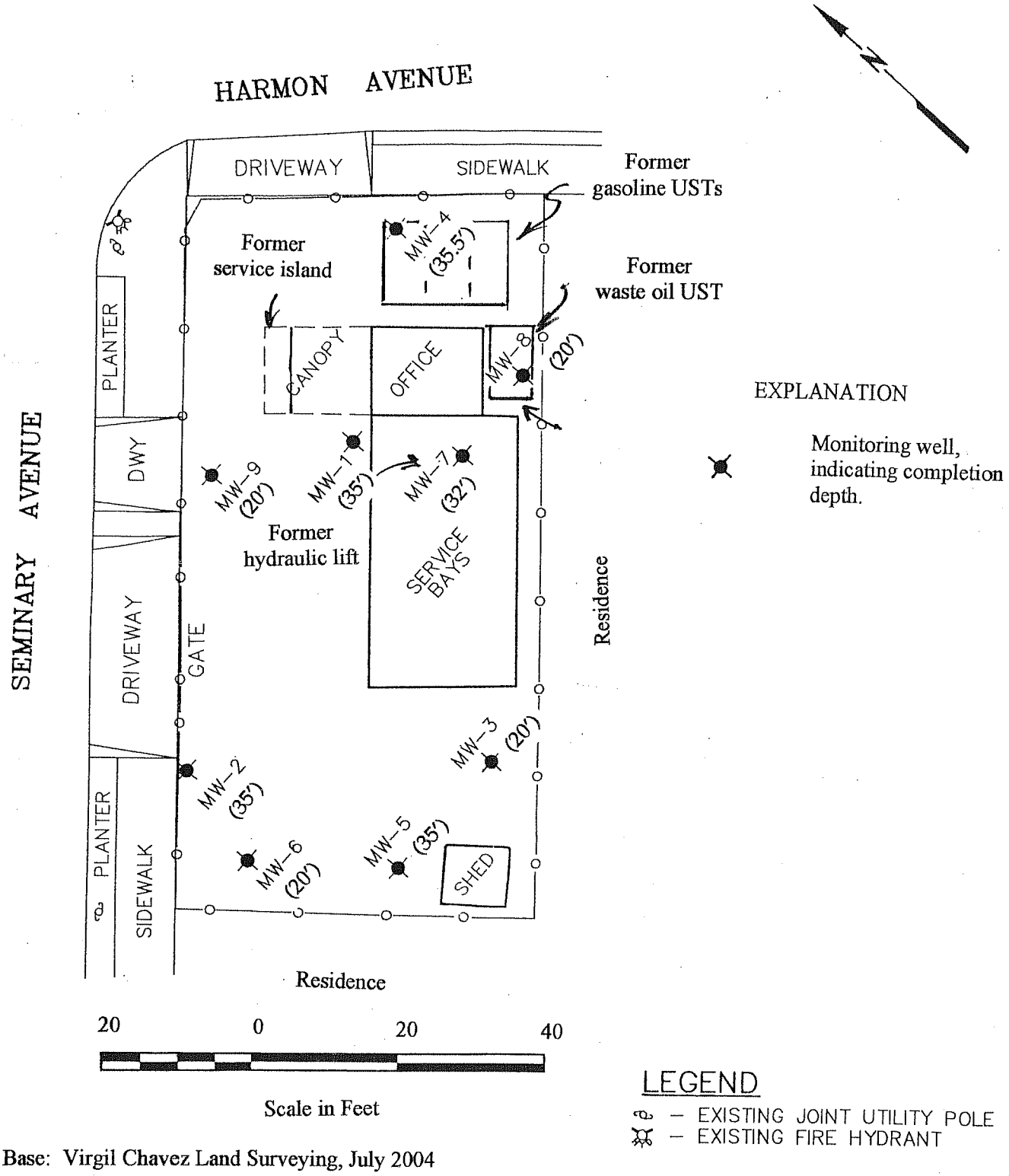
LOCATION MAP

1970 Seminary Ave.
Oakland, California

Project No.	Date	Figure 1
E-10-1F-565F	May 2008	



Base: Virgil Chavez Land Surveying, July 2004

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SITE PLAN

1970 Seminary Ave.
Oakland, California

Project No.	Date	Figure 2
E-10-1F-565F	May 2008	

Subject: RE: 1970 Seminary Ave, Oakland CA
Date: Mon, 7 Apr 2008 09:19:09 -0700
Thread-Topic: 1970 Seminary Ave, Oakland CA
Thread-Index: AciXmMTNv3Yx91/tSRWwAbtRccfsjgBMWqWA
From: "Jakub, Barbara, Env. Health" <barbara.jakub@acgov.org>
To: "David Hoexter" <david@hoexterconsulting.com>
X-ELNK-Received-Info: spv=0;
X-ELNK-AV: 0
X-ELNK-Info: sbv=0; sbrc=.0; sbf=00; sbw=000;

David,
Please proceed with redeveloping the wells. I will address additional evaluation after I review the site files.
Regards,
Barbara Jakub, P.G.
Alameda County Environmental Health
(510) 639-1287 (direct)
(510) 337-9335 (fax)
barbara.jakub@acgov.org
www.acgov.org

From: David Hoexter [mailto:david@hoexterconsulting.com]
Sent: Saturday, April 05, 2008 8:45 PM
To: Jakub, Barbara, Env. Health; angelcpt@pacbell.net; peggy.h.garcia@sbcglobal.net
Subject: 1970 Seminary Ave, Oakland CA

RE: RO 0000413; 1970 Seminary Ave, Oakland

Hi Barbara:

Hopefully I finally have your correct email address. Just a short note to say that I appreciate the time you spent with me on Tuesday. We look forward to your review and direction for the site. As I mentioned, the State Fund has asked for further evaluation. Specifically, Harry Patel of the Fund stated in his 10/19/07 Payment Summary: "The consultant must recommend additional investigation to determine the extent of dissolved contamination, remedial action to cleanup the soils and GW and a general understanding of how the site would be guided to closure".

Also, we would like to re-develop 7 of the 9 monitoring wells at the site (of those not proposed for redevelopment, one produces well, and the second produces reasonably well and is the one with product). Some of the wells are on the order of 15 years old and have been fouled with algae and in general no longer produce well (we are lucky to produce three well volumes prior to full dewatering, and recovery is a matter of days, not hours or minutes). Re-development should result in more representative ground water samples and data. I appreciate your time constraints; your emailed concurrence should be fully adequate in terms of State Fund reimbursement for my client.

I should have the RP transmittal letter back next week, and hopefully can accomplish the uploading of several past ground water monitoring reports.

Sincerely,

David

Blaine Tech

WELL DEVELOPMENT DATA SHEET

Project #:	Client: Hoexter
Developer: B.D	Date Developed: 5/8/08
Well I.D. MW-1	Well Diameter: (circle one) ② 3 4 6
Total Well Depth: Before 35.00 After 35.00	Depth to Water: Before 20.11 After 19.80 sph
Reason not developed:	If Free Product, thickness: 0.31 Before 0.20 After
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} /231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

2.3	X	10	=	23
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ~~☑ Bailer~~
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
initial	* could not take parameters due to high volume of sph* Extracted approx 700 ml sph per 9.2 gal of H2O					* Turbidity >1000 on every case volume.
09:40	*well dewatered @ 9.2 gals *					DTW DTP @ 34.12
16.11		* depth to sph 19.60 *				
		* depth to H2O 19.80 *				

Did Well Dewater? No | If yes, note above. | Gallons Actually Evacuated: 9.2

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WELL DEVELOPMENT DATA SHEET

Project #: 080507-BD1	Client: Hoefler
Developer: BD	Date Developed: 5/7/08
Well I.D. MW-2	Well Diameter: (circle one) ② 3 4 6
Total Well Depth: Before 35.00 After 35.00	Depth to Water: Before 20.30 After 34.61
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

2.3	X	10	=	23
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☑ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
Initial	66.8	7.20	701.3	>1000	2.3	20.30
1312	66.4	6.97	727.6	>1000	4.6	25.45
1314	65.4	6.75	789.7	>1000	6.9	26.97
1317	65.2	6.86	772.2	>1000	9.2	30.62
1320	65.3	6.86	775.4	>1000	11.5	sounder will not pass pump
		*Dewatered @	11.5 gal			34.89
5/8/08						DTW | DTB
1025						24.99 | 35.00
		* Re-surged 15 mins				
1415	63.8	7.25	744.6	>1000	2.3	26.22
1420	64.2	7.16	743.4	>1000	4.6	29.64
1430	64.3	6.84	736.7	>1000	6.9	32.10
1435	64.2	6.87	737.2	>1000	9.2	34.61 Dewatered @ 9.2 gal
Did Well Dewater? Yes x2		If yes, note above.		Gallons Actually Evacuated:	20.7	

WELL DEVELOPMENT DATA SHEET

Project #: 080507-301	Client: Hoexter
Developer: B.D	Date Developed: 5/7/08
Well I.D. MW-3	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 20.30 After	Depth to Water: Before 10.10 After
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1.6	X	10	=	16
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DWT NOTATIONS:
Initial	72.1	7.10	492.3	>1000	—	10.10
1550	66.9	7.06	500.2	>1000	1.6	15.00
1552	64.9	6.95	526.7	>1000	3.2	16.78
1554	64.2	7.03	534.6	>1000	4.8	PUMP IN WAY
1556	64.2	7.03	536.7	>1000	6.4	" "
	* WELL DEWATERED @ 6.4 gals					19.55
5/8/08						DTW | DTB
1043						15.70 | 20.30
		re-surged for 15 min				
1545	65.7	7.08	554.7	>1000	1.6	17.42
1547	64.2	7.01	557.1	>1000	3.2	19.38
	*	Well dewatered	@ 3.2	gals	*	

Did Well Dewater? Yes x2 | If yes, note above. | Gallons Actually Evacuated: 9.6

WELL DEVELOPMENT DATA SHEET

Project #: 080507-301	Client: Hoextev
Developer: BD	Date Developed:
Well I.D. MW-4	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 34.88 After 34.80	Depth to Water: Before 20.70 After 34.34
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

2.2	X	10	=	22
1 Case Volume		Specified Volumes		gallons

Purging Device:
☑ Bailer ☐ Suction Pump
☐ Electric Submersible ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
initial	69.2	7.09	775.5	>1000	2.2	20.70
1232	68.5	7.00	671.3	>1000	4.4	25.76
1235	65.5	7.01	756.7	>1000	6.6	28.32
1237	65.8	6.69	759.8	>1000	8.8	30 34.00
	* Well dewatered @ 8.8 gals *					
5/8/08						DTW | DTB
1020						19.87 | 34.80
						RE-surged FOR 15 mins
1200	64.5	7.01	746.1	>1000	2.2	22.70
1205	66.1	6.66	776.3	>1000	4.4	24.80
1215	68.3	6.83	767.9	>1000	6.6	28.00
1220	66.9	7.03	821.4	>1000	8.8	31.31
Did Well Dewater? Yes x2		If yes, note above.		Gallons Actually Evacuated: 18 gals		well dewatered at 1235 9.2 gals

WELL DEVELOPMENT DATA SHEET

Project #: 080507-BD1	Client: Hoexter
Developer: B.D.	Date Developed: 5/7/08
Well I.D. MW-5	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 35.15 After 35.00	Depth to Water: Before 19.47 After 33.25
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

2.5	X	10	=	25
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☑ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
Initial	71.3	7.03	725.1	>1000	—	19.47
1510	67.8	7.08	723.7	>1000	2.5	28.10
1514	65.9	6.79	825.1	>1000	5	30.40
1518	65.7	6.97	866.3	>1000	7.5	pump in way
	* Well dewatered @		7.5 gals			34.01
5/8/08						
1039						DTW 20.13 / DTB 35.00
~~1528~~						
1528	67.0	6.70	797.8	71000	2.5	22.39
1532	67.3	6.67	825.3	71000	5	24.12
1536	66.4	6.78	851.4	71000	7.5	28.43
1540	72.2	6.69	8	71000	10.0	33.25

Did Well Dewater? Yes x2 — If yes, note above. — Gallons Actually Evacuated: 18.5

* Well dewatered @ 11.0 gallons

WELL DEVELOPMENT DATA SHEET

Project #: 080507-BD1	Client: Hoefler
Developer: BD	Date Developed: 5/7/08
Well I.D. MW-6	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 18.50 After 18.50	Depth to Water: Before 10.45 After 15.73
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.2	X	10	=	12
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
initial	67.8	7.14	898.5	>1000	—	10.45
1427	66.4	7.14	709.8	>1000	1.2	13.04
1429	64.9	7.05	866.0	>1000	2.4	14.60
1431	64.2	7.21	898.9	>1000	3.6	15.53
1433	63.9	7.36	917.3	>1000	4.8	sounder will not pass pump
	*Well	dewatered @	4.8 gals			18.40
5/8/08						DTW | DTB
10.35					—	10.81 | 18.50
	re surged for	15 min				
1507	69.5	7.11	829.7	71000	1.2	12.12
1509	67.4	6.70	869.4	71000	2.4	13.11
1511	64.6	6.63	894.5	71000	3.6	13.61
1513	66.4	6.62	890.3	71000	4.8	14.25

Did Well Dewater? Yes x1 | If yes, note above. | 10.8 Gallons Actually Evacuated: ~~9.6~~

WELL DEVELOPMENT DATA SHEET

Well I.D. MW-6	PAGE 2 OF 2
Project #: 080507-BD1	Client: Hoetexco

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTU NOTATIONS:
1515	65.9	6.59	898.8	71000	6.0	~~16.23~~ 15.73

WELL DEVELOPMENT DATA SHEET

Project #: 080507-BD1	Client: Hoexter
Developer: B.D	Date Developed: 5/7/08
Well I.D. MW-7	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 32.00 After 32.00	Depth to Water: Before 19.31 After 26.71
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} / 231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

2	X	10	=	20
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
Initial	64.6	8.66	27.03	1000	—	19.31
1120	66.4	6.95	809.7	>1000	2	23.00
1125	65.5	6.78	817.1	>1000	4	25.00
1130	67.0	6.84	764.5	>1000	6	27.50
1135	67.1	6.81	762.2	>1000	8	28.00
1140	69.2	7.22	762.3	>1000	10	28.70
1145	68.2	7.45	746.7	>1000	12	sounder will not pass the pump
		* WELL	dewatered @	12gals		*
5/8/08						
~~1015~~						DTW / DTB
1015						20.31 / 32.00
		* Re-surged	FOR 15	mins		
1310	63.1	7.47	799.7	>1000	2	22.27
Did Well Dewater? Yes X1		If yes, note above.		Gallons Actually Evacuated: 18		

WELL DEVELOPMENT DATA SHEET

Well I.D. MW-7	PAGE 2 OF 2
Project #: 080507-BDI	Client: Hoexter

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
1315	63.3	7.09	772.3	71000	4	24.43
1320	63.1	7.08	775.7	71000	6	26.71

WELL DEVELOPMENT DATA SHEET

Project #: 080507-BD1	Client: Hoexter
Developer: B.D.	Date Developed: 5/07/08
Well I.D. MW-9	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 20.00 After	Depth to Water: Before 12.75 After ~~19.90~~ 19.80 BD
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.1	X	10	=	11
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:	
0957	62.8	7.62	757.5	>1000	1 gal	16.80	
1000	63.0	7.16	792.3	>1000	2 gal	Sounder will not pass pump	
1003	61.5	7.65	723.2	>1000	3 gal	" "	
	* WELL DEWATERED @ 3.5 gal *					19.10	
5/8/08						DTW	DTB
1005						16.30	20.00
	* recharged for 15 min *					~~EV~~ DW ~~20.5~~	
1118	66.1	7.29	782.4	>1000	1.1 gal	19.80	
	* WELL dewatered @ 1.1 gal						

Did Well Dewater? Y/~~N~~ x2	If yes, note above.	Gallons Actually Evacuated: 4.6

Blaine Tech.

H or Purge Water Drum L

Client: Hoexter Consulting

Site Address: 1970 Seminary Oakland CA.

STATUS OF DRUM(S) UPON ARRIVAL						
Date	5/7/08					
Number of drum(s) empty:	1					
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:						
Total drum(s) on site:	1					
Are the drum(s) properly labeled?	–					
Drum ID & Contents:	–					
If any drum(s) are partially or totally filled, what is the first use date:	–					

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	5/8/08					
Number of drums empty:	1					
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:	2					
Total drum(s) on site:	3					
Are the drum(s) properly labeled?	Y					
Drum ID & Contents:	1-SPH & H2O 1-H2O					

LOCATION OF DRUM(S)
Describe location of drum(s): Near MW-3

FINAL STATUS						
Number of new drum(s) left on site this event	2					
Date of inspection:	5/8/08					
Drum(s) labelled properly:	Y					
Logged by BTS Field Tech:	BD					
Office reviewed by:	PC					

Klein Tech.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Hexter Consulting, Oakland				PROJECT NUMBER 080507-BD1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HACH Turbidimeter	28405	5/7/08 0625	7.01 20 100 800	7.01 21 100 801	Yes	N/A	BD
Myron L Ultrameter	609549	5/7/08 0630	PH 4 7 10	4 7 10	Yes	68.7	BD
↓	↓	5/8/08 0905	PH 4 7 10	4 7 10	YES	65.2	BD
↓	↓	05/08/08 —	—	—	—	—	—

Blaine Tech.

WELLHEAD INSPECTION CHECKLIST

Date 5/7/08 Client Hoexter Consulting

Site Address 1970 Seminary Oakland CA.

Job Number 080507-BD1 Technician B. Dostier

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	X							
MW-2		1/2 tabs broken						
MW-3	X							
MW-4	X							
MW-5	X							
MW-6	X							
MW-7	X							
MW-9	X							

NOTES: MW-8 not re-developed (DTH)

Blaine Tech

WELL GAUGING DATA

Project # 080507-BD1 Date 5/7/08 Client Hoexter

Site 1470 Seminary, Oakland CA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0938	2	odor	19.80	0.31		20.11	-	TOC	✓ SPH
MW-2	0922	2					20.30	35.00 ~~20~~		
MW-3	0920	2					10.10	20.30		
MW-4	0933	2					20.70 ~~27.08~~	34.88		
MW-5	0927	2					19.47	35.15		
MW-6	0918	2					10.46	18.50		
MW-7	0935	2					19.31	32.00		
MW-9	0930	2					12.75	20.00		

Note- MW-8 not redeveloped - /DTH