



HYDRO ANALYSIS, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

December 8, 2000

**Aldo Guidotti, Trustee
Estate of Jean Josephian
1 Bates Blvd, Suite 300
Orinda, CA 94563**

RE: Proposal 0096-1

Proposal for Well Destructions
Pacific Cryogenic
2311 Magnolia St
Oakland, CA

Dear Mr. Guidotti:

This proposal is provided in response to the requirement by Alameda County for the destruction of the 6 existing shallow groundwater monitoring wells located at the above-referenced property. The well destruction would be carried out by pressure-grouting in accordance with the permit requirements of Alameda County Public Works.

Prior to the up-coming monitoring well destruction work, we have put the work out to bid to three different drilling companies. Copies of the various bids are attached, with the results summarized below:

Gregg Drilling	--	\$1,581.00
HEW Drilling	--	\$2,532.00
Spectrum Drilling	--	\$3,450.00

Based upon the results of this bidding process, we plan to accept the bid from Gregg Drilling.

The attached spreadsheet provides an itemized budget for the well destructions, which would include the following:

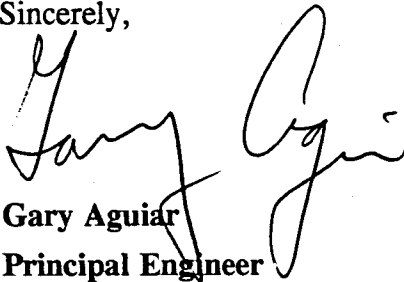
- site preparation and permitting.
- well destruction work by Gregg Drilling.
- field supervision by staff engineer or geologist.
- borehole backfill and sealing.
- site clean-up.
- final report preparation and presentation to County for final case closure.

Time Schedule

Upon signing the authorization to proceed, the well destruction work would be carried out within three weeks. The well destruction work will take one working day in the field to complete. The final well destruction report would be submitted within one week after that.

If you have any questions, or wish to further discuss the scope of the investigation, please call me at (510)620-0891.

Sincerely,



Gary Aguiar
Principal Engineer

PROJECT BUDGET

well destruction -- pressure grout 6 wells

PROJECT: Pacific Cryogenic

	Item	Quantity	Unit	Unit Cost	Amount
D R I L L E R	1. Gregg Drilling estimate	1.0	LS	\$1,581.00	\$1,581.00
	2. subcontractor surcharge			15%	\$237.15
	3.				
	4.				
	5.				
	6.				
	7.				
	8.				
	9.				
	10.				
	11.				
	12.				
	13.				
	14.				
	15.				
	16.				
	17.				
	E N G	19.			
20. permitting		4.0	HR	\$75.00	\$300.00
21. scheduling		2.0	HR	\$75.00	\$150.00
22. field engineer		8.0	HR	\$75.00	\$600.00
23.					\$0.00
24.					
25.					
26.					
27.					
28. report		5.0	HR	\$75.00	\$375.00
29. report	1.5	HR	\$95.00	\$142.50	
L A B	30.				
	31.				
	32.				
	33.				
	34.				
	35.				
	36.				
	37.				
	38.				
	39.				
	40.				
	41.				
	42.				

TOTAL

\$3,385.65

AUTHORIZATION TO PROCEED

**Client Name & Address: Aldo Guidotti, Trustee
Estate of Jean Josephian
1 Bates Blvd, Suite 300
Orinda, CA 94563**

Provide destruction 6 monitoring wells at 2311 Magnolia Street, Oakland, CA. Scope of work as described in Proposal 0096-1, with the following proposed cost:

Well Destructions ----- \$3,385.00

Client

Name: _____

Signature: _____

Title: _____

Date: _____

Hydro Analysis, Inc.

Name: GARY AGUIAR

Signature: *Gary Aguiar*

Title: PRESIDENT

Date: 12/8/00

ATTACHMENT A

Drilling Company Bids

BIDDERS LIST
Monitoring Well Abandonment
2311 Magnolia Street, Oakland, CA

Drilling Services

- **HEW Drilling Company, Inc.**
P.O. Box 51182
Palo Alto, CA 94303
650/322-2851 (phone)
650/322-0339 (fax)

- **Gregg Drilling & Testing, Inc.**
950 Howe Road
Martinez, CA 94553
925/313-5800 (phone)
925/313-0302 (fax)

- **Spectrum Exploration**
2365 Wigwam Drive
Stockton, CA 95205
209/465-8773 (phone)
209/465-8773 (fax)



HAGEMAN-AGUIAR, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

Chris Pruner
Gregg Drilling
950 Howe Street
Martinez, CA

Hello Chris,

I need a quote for destruction of six wells. The site is located at 2311 Magnolia Street in Oakland. The wells are of the following construction:

- 2" x 19.5' PVC casing – Diversified lid in sidewalk.
- 2" x 23' PVC casing – Diversified lid in concrete slab.
- 2" x 23' PVC casing – Diversified lid in concrete slab.
- 4" x 14.5' PVC casing – Emcon lid in concrete slab.
- 4" x 14' PVC casing – Emcon lid in concrete slab.
- 4" x 14' PVC casing – Emcon lid in concrete slab.

Wells are to be tremmie filled with neat cement before pressure grouting.

Water is available on site.

No drums or garbage is to remain on site.

After sealing of the wells, well boxes are to be broken out using jackhammer. Surface is to be patched with concrete. Haul off debris.

Thank you,

Randal Wilson



GREGG DRILLING & TESTING, INC.

SPECIALIZING IN ENVIRONMENTAL, GEOTECHNICAL AND IN-SITU TESTING

December 5, 2000

HYDRO ANALYSIS, INC.
Mr. Randal Wilson
11100 San Pablo Avenue, Suite 200-A
El Cerrito, CA 94530

**SUBJECT: COST ESTIMATE FOR WELL ABANDONMENT FOR THE PROJECT
LOCATED IN OAKLAND, CALIFORNIA**

Dear Mr. Wilson:

Pursuant to your fax you will find the enclosed cost estimate for the project located in Oakland, California. A copy of this proposal is being faxed to you with a hard copy to follow in the mail today.

Gregg Drilling & Testing, Inc. looks forward to assisting you on this project. We will be pleased to discuss the details of this work and to provide any further information you may require.

Thank you for providing us the opportunity to submit a bid on this proposed work. Please feel free to contact me at (925) 313-5800 with any questions you may have.

Sincerely,
GREGG DRILLING & TESTING, INC.

A handwritten signature in black ink, appearing to read "Chris Pruner", is written over the typed name and extends across the right side of the page.

Christopher Pruner
Operations Manager

CWP/cmc

SOUTHERN CALIFORNIA: 2726 WALNUT AVENUE • SIGNAL HILL, CA 90806 • (562) 427-6899 • FAX (562) 427-3314

NORTHERN CALIFORNIA: 950 HOWE ROAD • MARTINEZ, CA 94553 • (925) 313-5800 • FAX (925) 313-0302

CENTRAL CALIFORNIA: P.O. BOX 3618 • PASO ROBLES, CA 93446 • (805) 226-9672

www.greggdrilling.com

Page 2
Mr. Wilson
December 5, 2000

COST ESTIMATE

Mobilization/Demobilization 1 day @ \$200.00/day	\$200.00
Abandon three, two-inch monitoring wells by pressure grouting totaling 65.5 feet in depth (includes removal of "normal" size well boxes and all materials included). 65.5 feet @ \$12.00/ft	\$786.00
Abandon three, four-inch monitoring wells by pressure grouting totaling 42.5 feet in depth (includes removal of "normal" size well boxes and all materials included). 42.5 feet @ \$14.00/ft	<u>\$595.00</u>
TOTAL	\$1,581.00

Assumptions:
Level D safety protection
Site accessible for equipment
Water available on site

The preceding costs represent our best estimate for the tasks as we understand them. The cost estimate does not reflect additional charges which would be incurred for standby time or adverse drilling conditions. The client will be responsible for obtaining necessary permits and for the clearance of underground utilities. Gregg Drilling will not be responsible for any damages to underground utilities.

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*Environmental & Water Resources Engineering
Groundwater Consultants*

Henry Wong
HEW Drilling
P.O. Box 51182
E. Palo Alto, CA 94303

Dear sir,

I need a quote for destruction of six wells. The site is located at 2311 Magnolia Street in Oakland. The wells are of the following construction:

- 2" x 19.5' PVC casing – Diversified lid in sidewalk.
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- 4" x 14.5' PVC casing – Emcon lid in concrete slab.
- 4" x 14' PVC casing – Emcon lid in concrete slab.
- 4" x 14' PVC casing – Emcon lid in concrete slab.

Wells are to be tremmie filled with neat cement before pressure grouting.

Water is available on site.

No drums or garbage is to remain on site.

After sealing of the wells, well boxes are to be broken out using jackhammer. Surface is to be patched with concrete. Haul off debris.

Thank you,

Randal Wilson

HEW Drilling Company

P.O. Box 51182

650 Palo Alto, CA 94303

Fax: (650) 322-0339 Phone: (650) 322-2851

ESTIMATE WORKSHEET

Date: 12-4-2000
 Company: HYDRO ANALYSIS, LLC.
 Contact: RANDAL WILSON
 Fax Number: 510-620-0894 Phone Number: 510-620-0891
 Site: 7311 MAGNOLIA STREET, OAKLAND
 Project: WELL ABANDONMENTS - 3 WELLS WITH 2" PVC SET AT DEPTHS 19' & 23'. 3 M. WELLS WITH 4" PVC SET AT DEPTHS OF 14'. REMOVE WELLS, PRESERVE GREAT CASINGS IN-PLACE. Haul off/dispose of well debris.
Cost Analysis

Mobe/Demobe: 2 HR X 155
 Drilling: 9 HR X 155
 Overtime: 3 HR X 77.50
 Support Truck: 55+ BOX 70
 Generator: _____ Wash Trough: _____ Drum Dolly: _____
 Steam Cleaner: _____
 H & S, Level CD: Class 15
 Per Diem: _____
 Job Preparation: _____
 Manpower: _____
 Other: GENERATOR/ELECTRIC JACK HAMMER RENTAL, 120
DISPOSE FILL 50

Estimated Labor & Equipment: \$ 2,219.50

Supplies

_____ PVC Screen Pipe
 _____ PVC Blank Pipe
 _____ Stainless Steel Screen Pipe
 _____ Stainless Steel Blank Pipe
 _____ Screw Caps, Top/Bottom
 _____ Expansion Locking Plugs
 _____ Sand
 _____ Bentonite Pellers
18 _____ Cement 1092
1 _____ Bentonite Powder 13.00
 _____ Locking Well Covers
5 _____ Con Mix QUICKSET, 12.35
 _____ 17H 55 Gallon Drums
 Other: _____

Estimated Cost of supplies: \$ 312.01
(Includes Handling Charge)

Total Estimated Cost: \$ 2,532.00

Remarks: _____



HYDRO ANALYSIS, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

Jim Kleinfelder
Spectrum Drilling
2365 Wigwam Drive
Stockton, CA 95205

Dear sir,

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Thank you,

Randal Wilson



12/5/00

Hydro Analysis
 Attention: Randal Wilson
 11100 San Pablo Ave., Suite 200-A
 El Cerrito, CA 94530

510/620-0891
 510/620-0894 Fax

PROJECT: 2311 MAGNOLIA STREET / OAKLAND, CA

SCOPE: WELL ABANDONMENTS / PRESSURE GROUT
 (1) MW TO 19.5 FEET / 2" PVC
 (2) MW TO 23 FEET / 2" PVC
 (1) MW TO 14.5 FEET / 4" PVC
 (2) MW TO 14 FEET / 4" PVC
 REMOVE WELL BOXES WITH JACK HAMMER & PATCH CONCRETE

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>PRICE</u>	
MOBE/DEMOBE	1	EACH	\$ 500.00	\$ 500.00
2" PRESSURE GROUTS	3	EACH	\$ 350.00	\$ 1,050.00
4" PRESSURE GROUTS	3	EACH	\$ 500.00	\$ 1,500.00
JACK HAMMER RENTAL	1	DAYS	\$ 400.00	\$ 400.00
Subtotal				\$ 3,450.00
TOTAL ESTIMATED COST				\$ 3,450.00

ASSUMPTIONS:

1. STAND-BY \$145/HR
2. ALL DRILLING LOCATIONS ARE ACCESSIBLE BY TRUCK MOUNTED RIG.
3. COBBLES, FLOWING SAND AND DENSE GRAVEL MAY INCREASE THIS COST.
4. SPECTRUM EXPLORATION, INC. IS NOT RESPONSIBLE FOR OBTAINING PERMITS

SPECTRUM EXPLORATION INC. IS NOT RESPONSIBLE FOR THE LOCATION OF BORING, OR DAMAGE TO UNDERGROUND UTILITIES DUE TO THE PLACEMENT OF THE BORINGS BY THE CLIENT.

If you have any questions regarding this cost estimate, please call me at (209) 465-8712.

Sincerely,
 SPECTRUM EXPLORATION, INC.

Brenda Crawford
 Operations Manager