ENVIRONMENTAL

ANALYTICAL CHEMISTS

April 29, 1997

LAB No: SP 702629-1 Page 1

Norm Paulson
Post Office Box 130
Buellton , CA 93427

Date Sampled : April 7, 1997
Date Received : April 8, 1997

Sample Site: Well #1
Description: Well #1

Title 22 Drinking Water Interpretations

Constituent	BAT	Result	Units	MCL	Graphical Results
Inorganic					Below MCL / Above MCL
Aluminum	10	20	ug/L	1000	
Antimony	2,7	ND	ug/L	6	
Arsenic	1,2,5,6,7	2	ug/L	50	
Barium	2,5,6,7	37	ug/L	1000	
Beryllium	1,2,5,6,7	ND	ug/L	4	
Cadmium	2,5,6,7	ND	ug/L	5	
Chloride		58	mg/L	500^	
Chromium	2,5,6a,7	ND	ug/L	50	
Color (Unfiltered)		4	Units	15	
Copper		ND	ug/L	1000	
Fluoride		ND	mg/L	1.4-2.4	
Iron		70	ug/L	300	
Lead		ND	ug/L	50	
MBAS		0.05	mg/L	0.5	
Manganese		ND	ug/L	50	
Mercury	2b,4,6b,7b	ND	ug/L	2	
Nickel	5,6,7	5	ug/L	100	
Nitrate	5,7,9	ND	mg/L	45	
Nitrite as N	5,7	ND	ug/L	1000	
Odor Threshold at 60 °		ND	TON	3	
Selenium	1,2c,6,7,9	4	ug/L	50	
Silver		ND	ug/L	50	
Specific Conductance		1300	umhos/cm2	1600^	
Sulfate		220	mg/L	500^	
TDS		930	mg/L	1000^	
Thallium	1,5	ND	ug/L	2	
Turbidity		0.9	NTU	5	
Zinc		180	ug/L	5000	

BAT = Best Available Technologies for Cleanup MCL = Maximum Contaminant Level Potable: :Non Potable

mg/L = Milligrams Per Liter (ppm) ug/L = Micrograms Per Liter (ppb) MFL = Million Fibers Per Liter (>10 µm in length)

Footnotes and Comments Cont'd next page...

Corporate Offices & Laboratory
PO Box 272 / 853 Corporation Street
Santa Paula, CA 93061-0272
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Stockton, CA 95215
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Norm Paulson

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Footnotes and Comments

BAT = Best Available Technologies for Cleanup (Reference Title 22, Article 12, Table 64447.2-A)	
a = BAT for Chromium III only b = BAT only if infuence mercury conc. < 10ug/L c = BAT for Selenium IV only. 1 = Activated Alumina 2 = Coagulation/Filtration ** 3 = Direct and Diatomite Filtration 4 = Granular Activated Carbon 5 = Ion Exchange	6 = Lime Softening ** 7 = Reverse Osmosis 8 = Corrosion Control 9 = Electrodialysis 10 = Optimizing treatment and reducing aluminum added 11 = Chlorine oxidation ** = BAT for systems with >= 500 connections

^ For the constituent(s) marked, the value shown is the Upper Maximum Contaminant Level.

If you have any questions, please call.

FGL ENVIRONMENTAL

Cascade Well & Pump Company

1200 Via Regina
Santa Barbara, CA 93111-1358
(805) 965-7246
(805) 681-4859 fax

Estimate

DATE	ESTIMATE #
12/20/2000	1420

Estimate Submitted to:

Nojoqui Valley Ranch
P.O. Box 130
Buellton, CA 93427
Att. Norm Paulson

JOB SITE: Nojoqui Farms

TERMS: Upon Completion

PROJECT: 80GS 3 H.P. Pump & Motor 12/00

QTY	DESCRIPTION	RATE	TOTAL
	Pull pump, pipe & wire, located at 33 Acres Ranch. Clean & swab well then replace w/10GS Pump.		2,300 00
	Installation of the following, located at Ytias Ranch.		4,200 00
1	80GS 3 H.P. Pump & Motor, 230V 3Phase		
165'	12/4 Wire		
165'	Airline		
165'	Safety Line		
160'	2" Drop Pipe		
1	Torque Arrester		
1	8 X 2 Well Seal		
2	2" Stainless Steel Nipples		
	2" Galvanized Tee		
	2" Galvanized Plug		
	This Pump will deliver 80GPM at 80' which reflects the pump test.		
	These two installations including materials & labor will be traded for 1 1980 GMC 3 axle truck w/registration.		6,500 00
		TOTAL	50.00

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate.

Authorized Signature: [signature]

ACCEPTANCE OF PROPOSAL: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____

Signature: [signature] 12-30-00
Owner/Agent

Void if not accepted within 90 days.

Ytias Well Pump Test
January 24, 2002

The static water level in the well was tested with the air line beffore the pump test was performed. The air line reading was 48 psi indicating that there was 111 feet of water above the pump. The depth the pump is set at is unknown, so the static water level below ground surface is not calculatable.

It was assumed that the pump motor was 240 volts. The magnetic contactor that came with the pump was three phase. The generator was set to output 240 volt three phase power.

12:15	88 gpm	gray/sulfur smell	air line: 48 psi
12:30	88 gpm	dirty/sulfur smell	air line: 44 psi
13:30	86 gmp	clear/less sulfur	air line: 44 psi

The pump and generators both ran fine. The well seemed to produce well and there was little draw down in the hour and quarater run time.

7/25/14 Rented 25 kw generator

3Φ 3HP pump 240volt

8.6 amps @ ground
5.4 amps - 5 fire hose to top of tank

After 45 min. Air line: 40 psi