



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...

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Footnotes and Comments

BAT = Best Available Technologies for Cleanup (Reference Title 22, Article 12, Table 84447.2-A)	
a = BAT for Chromium III only	6 = Lime Softening **
b = BAT only if influence mercury conc. < 10ug/L	7 = Reverse Osmosis
c = BAT for Selenium IV only.	8 = Corrosion Control
1 = Activated Alumina	9 = Electrodialysis
2 = Coagulation/Filtration **	10 = Optimizing treatment and reducing aluminum added
3 = Direct and Diatomite Filtration	11 = Chlorine oxidation
4 = Granular Activated Carbon	
5 = Ion Exchange	** = 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

PROJECT

TERMS

Upon Completion

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.

2,300⁰⁰

Installation of the following, located at Ytias Ranch.
1 80GS 3 H.P. Pump & Motor, 230V 3Phase

4,200⁰⁰

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.

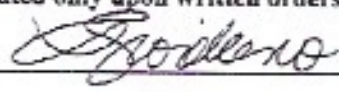
These two installations including materials & labor will be traded for 1 1980 GMC 3 axle truck w/registration.

6,500⁰⁰

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: 

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: 

Owner/Agent

12-30-00

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 before 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 gpm	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 quarter run time.



7/25/14 Rented 25 kw generator

3 ϕ 3 HP pump 240 volt

8.6 amps @ ground

8.4 amps - fire hose to top of tank

After 45 min. Air line: 40 psi