



PACIFIC
ENVIRONMENTAL
GROUP, INC.

Received Aug 29 1994
JS

August 25, 1994
Project 330-006.2C

Mr. and Mrs. Roy Dahmann
633 Hacienda Avenue
San Lorenzo, California 94580

Re: ARCO Service Station 0608
17601 Hesperian Boulevard
San Lorenzo, California

Dear Mr. and Mrs. Dahmann:

It was a pleasure to meet with Mrs. Dahmann on July 9, 1994 to discuss the status of your irrigation well. Based on our discussion, it is my understanding that your well is not currently operational due to siltation and pump problems. As I mentioned when we met, your well is in a location that ARCO Products Company (ARCO) would like to sample as part of an investigation of groundwater conditions in the area. This investigation is being conducted under the direction of the Alameda County Health Care Services Agency (ACHCSA) and the California Regional Water Quality Control Board (RWQCB). Therefore, on behalf of ARCO, Pacific Environmental Group, Inc. (PACIFIC) is requesting the following:

- (1) permission to restore your well to an operational-ready status,
- (2) authorization to sample your well on a quarterly basis, and (3) agreement not to use the well until ARCO's groundwater investigation is complete. Each of these items is discussed below.

WELL RESTORATION

PACIFIC requests that you grant access to your property at 633 Hacienda Avenue in San Lorenzo, for the purpose of restoring your irrigation well to an operational-ready status. This would involve redeveloping the well and replacing or repairing the existing groundwater extraction pump. This task will also include completing the necessary electrical connections to operate the pump. If you agree, ARCO would pay the costs associated with well restoration.

We anticipate that the well restoration would involve the following tasks:

- o **Preliminary examination of the well** by one of PACIFIC's maintenance technicians. This examination will be of the well exterior and its appurtenant electrical connections only, and a test of the electrical connection to the well. This examination will involve no equipment other than hand tools, and will take between 1 and 4 hours to complete.
- o **Pump removal.** This task will be performed by one person, the same maintenance technician who performs the preliminary examination. He will remove the pump from the well, using only hand tools. This task should take between 2 and 6 hours to complete. We do not expect that we will need to trim any of the landscaping near the well; however, we will consult with you before doing any trimming if it becomes necessary, to improve the well access.
- o **Well development.** The purpose of well development is to remove silt which has accumulated inside the well, so that groundwater can flow easily into the well. This task will be done by one technician, using a downhole pump or other portable downhole equipment. The water and silt removed from the well will be directed into a 500-gallon water tank, which is mounted on a trailer towed behind a pickup truck. The truck and trailer would occupy your driveway during well development, which we expect will take between 4 and 12 hours. We would place plastic sheeting around the well to protect nearby structures from splashing water during development. If the driveway is soiled from the well development water and silt, we will hose it down before leaving. After development, the trailer will be removed, and the water and silt will be disposed of, offsite.
- o **Pump replacement.** The pump in your well will be replaced with a new pump of comparable capacity, or will be repaired if repairs are simple. This task will require reconnection of the electrical service to the well. Depending upon the condition of the current electrical wiring to the well, this task may require that our technician replace the wiring from the well to the fuse box. Otherwise, all of the work would be conducted at the well. If the conveyance piping to and from the well needs replacement, we will use PVC (plastic) piping and fittings, with your approval. The technician will use only hand tools. The pump replacement will take between 2 and 12 hours total, over 1 to 2 days.

During the work described, the well area will be kept clean and secure. We would not leave any equipment on your property overnight. We would also take precautions to prevent disruption or damage to your property. Other than changing the pump, and the potential to change the electrical wiring and well piping, we expect to leave your property in the same condition as when we arrive to do the work.

Please note that ARCO will perform the well restoration only if you agree to the following two requests.

QUARTERLY GROUNDWATER SAMPLING

PACIFIC requests authorization to allow us, on behalf of ARCO, to collect samples from your well on a quarterly basis after the well is restored to an operational status. Groundwater samples collected from your well would more clearly define the groundwater conditions in the area, and that information could expedite our assessment efforts. Each sampling event is performed by one sampling technician using only hand tools and the pump which we will install, and the process generally requires less than 1 hour at the well. Every effort would be taken to schedule the sampling in advance to minimize any possible disruption to you. A copy of the sampling results would be submitted to you after each quarterly sampling event.

AGREEMENT NOT TO PUMP WELL

PACIFIC, on behalf of ARCO, requests your agreement not to pump the well following well restoration until ARCO's groundwater investigation is complete, as determined by ACHCSA and the RWQCB. This is requested for the following reasons.

- o Petroleum hydrocarbons have been noted in groundwater in wells in your vicinity. At the present time, hydrocarbons in groundwater in the area are not known to be affecting the water quality in your well. However, pumping your well may complicate this issue for other homeowners in your neighborhood. ACHCSA has requested your cooperation to assure that groundwater is useable to everyone. ACHCSA is urging everyone within the study area to cease pumping of their wells, so everyone can be assured that water quality is not compromised in any way. ACHCSA also encourages everyone to discontinue well use until the investigation is complete.
- o Information available to date indicates that the dissolved hydrocarbons plume in groundwater is stable, and is not migrating

significantly. ACHCSA and ARCO are concerned that any pumping wells in the study area could possibly cause the plume to migrate, thus complicating and prolonging our assessment and, if necessary, cleanup efforts.

- o PACIFIC has completed a health risk assessment for the study area, which ACHCSA has approved. Even though the results of that assessment indicated that there is no health risk associated with exposure to groundwater, as defined in the assessment, ACHCSA and ARCO believe it is prudent to minimize exposure to the groundwater until the investigation is complete.

In exchange for not using your irrigation well, ARCO is prepared to reimburse you \$30 per month for the expense of using municipally-supplied water for irrigation purposes. This reimbursement rate is greater than the estimated cost of using municipally-supplied water for irrigation purposes based on high-usage assumptions for your neighborhood. Attached please find a response form which we are requesting you fill out and return to PACIFIC at your earliest convenience.

On behalf of ARCO, we would be happy to meet with you again to discuss any questions you may have regarding this request. If you would like to ask any questions or schedule a meeting, please call me at (408) 441-7500. Once again, thank you for your cooperation in this matter.

Sincerely,

Pacific Environmental Group, Inc.



Debra J. Moser
Project Manager

Attachment: Response Form and Self-Addressed Stamped Envelope

cc: Ms. Juliet Shin, Alameda County Health Care Services Agency
Mr. Kevin Graves, Regional Water Quality Control Board - S.F. Bay Region
Mr. Michael Whelan, ARCO Products Company
Mr. Chris Winsor, ARCO Products Company
Mr. John Meck, ARCO Products Company

**WELL RESTORATION, QUARTERLY GROUNDWATER
SAMPLING, AND DISCONTINUE WELL USE
AUTHORIZATION FORM**

WELL RESTORATION AUTHORIZATION

_____ I authorize ARCO Products Company (ARCO), or its designated
(initial) representative, to have access to my property at 633 Hacienda Avenue
in San Lorenzo, to redevelop the irrigation well, and to repair or replace
the existing groundwater extraction pump for the irrigation well located
at this property, and as described in greater detail in the attached letter
dated August 25, 1994. ARCO would pay the well restoration costs. I
understand that ARCO will perform this well restoration only if I
authorize quarterly sampling and discontinuation of well use.

QUARTERLY GROUNDWATER SAMPLING AUTHORIZATION

_____ I authorize ARCO, or its designated representative, to have access to
(initial) my property at 633 Hacienda Avenue in San Lorenzo, to collect
groundwater samples on a quarterly basis from the irrigation well
located at this property, beginning in the third quarter of 1994.

DISCONTINUE WELL USE AUTHORIZATION

_____ I agree not to pump the irrigation well located on this property until
(initial) ARCO, ACHCSA, or the RWQCB approves reactivation of this well.
In exchange for this authorization, ARCO will reimburse me \$30 per
month (beginning in the month that the authorization form is received).
Subsequent monthly reimbursement will occur during the first week of
each month, and will continue until ARCO, ACHCSA, or the RWQCB
approves reactivation of this well.

Unless the undersigned agrees to each of the items listed above, it constitutes a
rejection of ARCO's offer.

AGREED TO:

Signature of Well Owner

Date

Please Print Name

633 Hacienda Avenue, San Lorenzo
Address