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February 27, 1979

Mr. Dwayne S. Rogers
P.O. Box 7
Elgin, Arizona 85611

Re: GEOEX #1333
Proposed Water Survey
Santa Cruz - Cochise Counties
T.20S. R.18E.

Dear Mr. Rogers:

As discussed with you personally in my office last week, the common routine for investigating groundwater production potential is to briefly review, technically assimilate and correlate all readily available facts and data pertinent to the immediate area and your objectives.

Having the legal description you phoned in last Friday, I have been able to briefly peruse the files, with the following observations:

1. Section 28, T.20S., R.18E., lies on the northeastern side of the Babocomari River valley and the southwestern slope of the Mustang Mountains which, in turn, according to county geologic maps, represent a small block of Permian and Cretaceous (older) limestone, sandstone and shale sediments and Tertiary (younger) igneous rhyolites. Topography of the Mustang Mountains, as shown on the U.S.G.S. topographic quadrangle maps, suggests the possibility of at least two faults (probably those you said others had referred to from time to time) which strike N.E. - S.W. This, at least partly, is more or less confirmed by county geologic maps. The southeastern-most of these two faults may strike S.W. through the N.W. part of Section 28. Dips of these faults are not apparent or indicated. Formation dip, as I explained last week, may or may not be pertinent to your problem, but could be, especially if the formations are not too thick and the dips are not too steep. This may be determinable by geologic observations in the field and the results of such work may already be in published form. If not, field work would probably still be required to see if the faulting could be quantitatively analyzed, with respect to your property, accurately enough to make any significant differences. This can be done in conjunction with any field examination work which should be done sooner or later.

2. The U.S.G.S. maps show at least 8 well sites all possibly relevant to the situation under Section 28. Water level, geologic descriptions and depths, and production facts from all of these and any other nearby wells should be obtained as reasonably feasible.

Post card sent
5/14/79

Mr. Dwayne S. Rogers
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3. Most important, will be to determine the permanent water table depth. If it is not too deep - this would then become one of the primary factors relative to future well depth considerations for the whole area. Likely this is already known and can be relatively easily confirmed by some library and/or field research.

4. Facts on the 1000' well, recently drilled by Walker, should be determined. Especially, it should be plumbed if possible, as I suggested to you during your visit here.

5. Similar facts should also be acquired from the good (?) 600 foot well "up slope" from your 40 acre parcel if this can be managed.

6. With your permission, in order to minimize duplication, I would like to discuss matters with Mr. Charles Stockton on a professional basis. Further reference to the density (gravity) (?) thesis (?) study may be useful.

My estimate now is one or two days of library and office research, followed by at least one long day in the field and then one day in compositing, analyzing and interpreting the data and one day in compiling presentation and report preparation. This indicates about four days at a total cost of roughly \$1600.00 +. This is based on \$35.00 per professional man hour, plus direct transportation, living and incidental expenses such as maps, photos, reports, communications, reproductions and expendable supplies, etc., at our invoice cost plus 15%. GEOEX vehicles are charged at \$19.50 per day or \$1.00 per hour, whichever is less, plus \$0.23 per mile per vehicle. Except in the case of formal geophysical crew field work, the common professional tools of the trade are furnished at no added charge.

No geologic mapping or geophysics is included as, at this point, it is anticipated that neither of those two types of activities would be recommended, although they could be later on if circumstances should indicate that such work is definitely warranted. What would be provided is a preliminary professional appraisal of the surface and groundwater potential of your area together with recommendations, cost estimates and as indicated, feasibly alternative ways in which the potential might be tested and if tested successfully, to develop it.

Ordinarily professional fees are payable at date billed, but smaller jobs such as this are customarily handled on the basis of half in advance and half at submission of a report. If follow-up activity ensues, then it can be handled on a periodic basis according to progress accomplished.

If this proposal meets your approval, receipt of your check in the amount of \$800.00 will serve as our notice from you for us to proceed on your behalf. Right now, we can proceed within about one week's notice and usually always can within two to three weeks. Your approval and acceptance of the above may be indicated by signing as provided below on the attached copy of this letter and re-

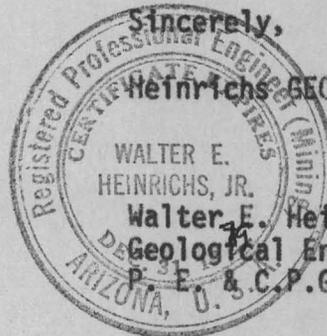
Mr. Dwayne S. Rogers
February 27, 1979
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turning it to us.

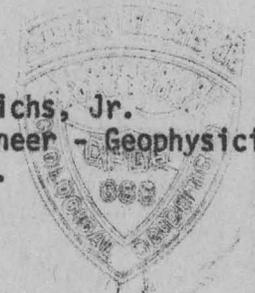
Any questions you may have will always be most welcome.

Sincerely,

Heinrichs GEOEXploration Co.



Walter E. Heinrichs, Jr.
Geological Engineer - Geophysicist
P. E. & C. P. G. S.



WEH:mt

Enclosures: Extra Copy of Letter
Return Envelope

Accepted by: _____

Date: _____

February 27, 1979

PROVISIONAL STATEMENT

Mr. Dwayne S. Rogers
P.O. Box 7
Elgin, Arizona 85611

Re: GEOEX #1333
Water Survey

PROFESSIONAL FEES & SERVICES

Advance on account to be allocated against future
itemized billings -----\$800.00

(301)