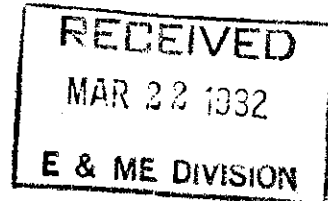


*PK*  
*Pitkin*  
O'BRIEN RESOURCES CORPORATION

154 HUGHES ROAD • SUITE 4  
GRASS VALLEY, CALIFORNIA 95945  
(916) 272-7203



March 19, 1982

Mr. W. M. Dolan  
AMAX Exploration, Inc.  
1707 Cole Blvd.  
Golden, CO 80401

Dear Bill:

Enclosed are the conductivity results on *Noquez*  
that were received today.

Best wishes.

Sincerely,

*Frank*

Frank Dellechaie

FD/ek

encl.

RECEIVED MAR 16 1982

**YORAM ECKSTEIN, Ph.D.**  
Associate Professor of Geology  
Consultant  
Ground Water & Geothermal Exploration

Department of Geology  
Kent State University  
Kent, Ohio 44242, U.S.A.  
Ph: (216) 672-2364 / (216) 672-2680

Residence: 551 Rockwell St.  
Kent, Ohio 44240, U.S.A.  
Ph: (216) 678-4681

Mr. Frank Dellechaie  
Vice-President  
O'Rien Resources Corporation  
154 Hughes Rd., Suite 4  
Grass Valley, CA 95945

March 12, 1982.

Dear Frank

First, please accept my apologies for the delay in forwarding the results of the conductivity measurements of the three rock & cuttings samples, sent to me on October 22, 1981. The delay was caused unfortunately by human factor, involved with an untimely (?) and very disorganized departure of one of our graduate students, who despite my encouragement, trust, support and coaching ... what else not, ... flunked twice his comprehensives, and at the end prove to be a "sore loser". So far apologies. We are now back to normal, which means that our heat-conductance lab works as it supposed to, or may be even better - more efficiently.

As conveyed on the phone to Gary the results of the measurements were as follows:

- |                                       |                                |
|---------------------------------------|--------------------------------|
| 1. Silicified siltstone cuttings      | 5.60 mcal/cm sec <sup>°C</sup> |
| 2. Silicified siltstone hand specimen | 5.51 mcal/cm sec <sup>°C</sup> |
| 3. Ortho-quartzite cuttings           | 5.37 mcal/cm sec <sup>°C</sup> |

The samples # 1 & 3 (cuttings) were pulverized to powder, using a tungsten-steel ball-mill, and packed tightly and water-saturated in a one-inch-thick and 2"-diameter disc-capsules. The sample # 2 was cored and cut into a ½"-thick and one-inch-diameter disc, and water-saturated in a vacuum-chamber. The conductivity of each disc was measured on the divided-bar system.

The charge for the service are as follows:

- |  |        |
|--|--------|
| 1. conductivity measurements on two powder samples |        |
| @ \$15.-   | \$30.- |
| 2. coring and conductivity measurement on one      |        |
| roco-sample; @ \$45.-                              | \$45.- |
|  | <hr/>  |
| total  | \$75.- |

Hoping to hear form you, or even better to see you soon

very truly yours

*Yoram Eckstein*

O'BRIEN RESOURCES CORPORATION

154 HUGHES ROAD • SUITE 4  
GRASS VALLEY, CALIFORNIA 95945  
(916) 272-7203

RECEIVED  
MAR 22 1982  
E & ME DIVISION

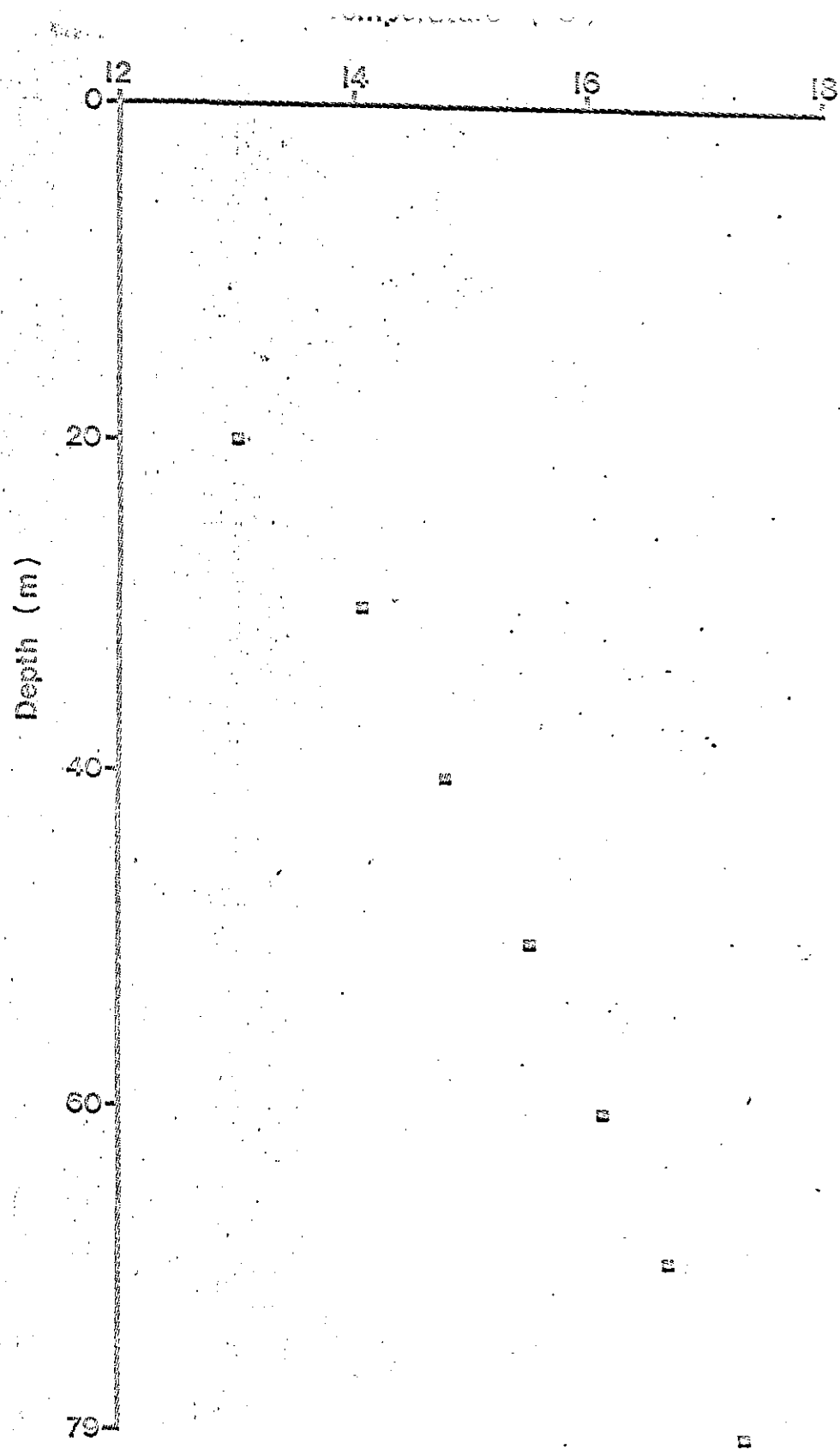
SUBJECT: NOQUEZ MINERAL HOLES  
TO: FRANK DELLECHAIE  
FROM: GARRY MAURATH  
CC: BILL TEPLow  
DATE: MARCH 17, 1982

The following data is for Noquez mineral holes B and C, logged March 15, 1982.

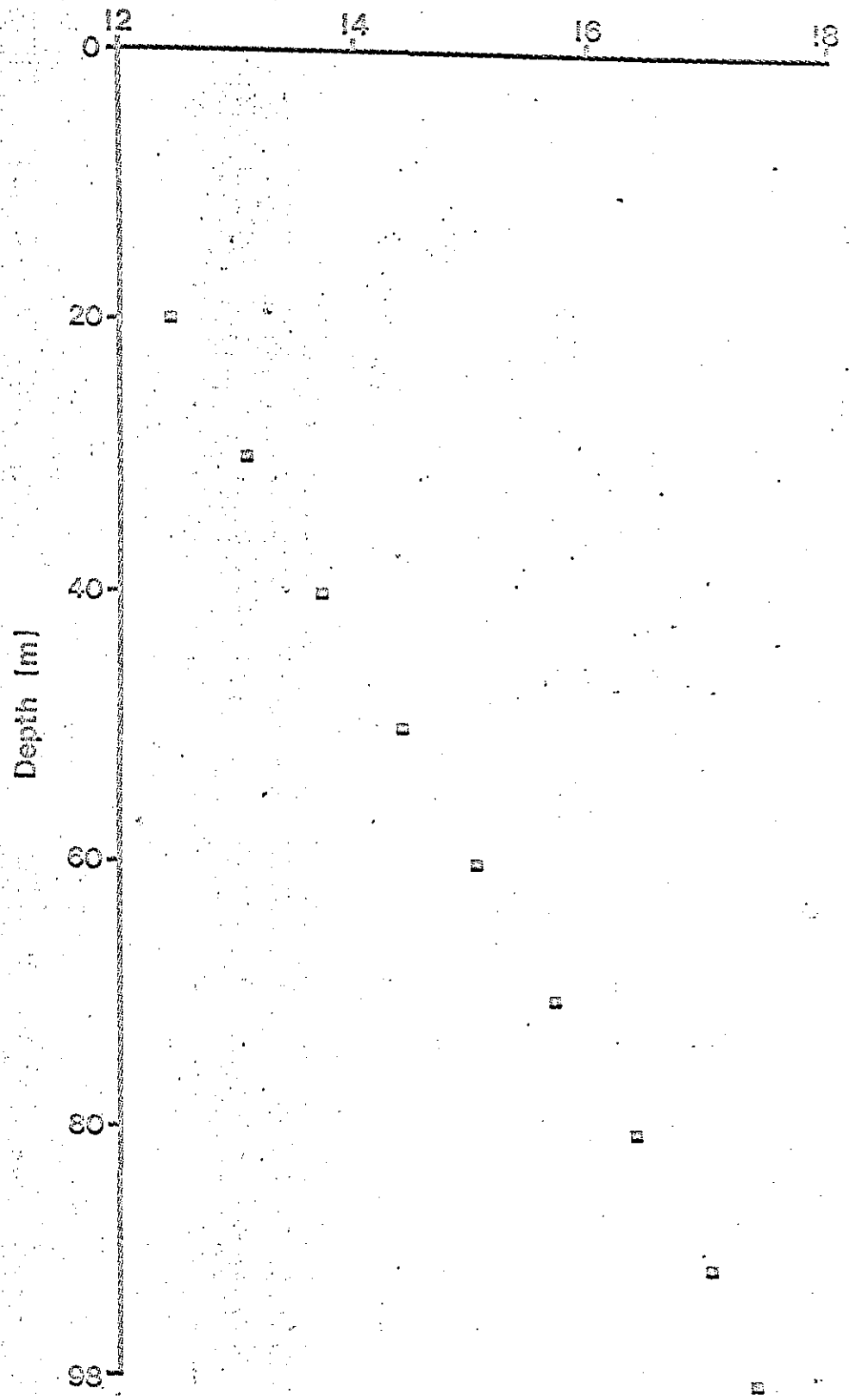
<u>B</u>		<u>C</u>	
<u>Depth (m)</u>	<u>Temp. (°C)</u>	<u>Depth (m)</u>	<u>Temp. (°C)</u>
20	12.43	20	13.06
30	13.03	30	14.14
40	13.72	40	14.78
50	14.44	50	15.42
60	15.10	60	16.10
70	15.74	70	16.72
80	16.45	79	17.29
90	17.06		
98	17.36		

$\Delta T = 67^{\circ}\text{C}/\text{km}$   
f or k = 4 T.C.U.  
q = 2.7 H.F.U.

$\Delta T = 64^{\circ}\text{C}/\text{km}$   
f or k = 4 T.C.U.  
q = 2.6 H.F.U.



Thermal Gradient Curve Mineral Hole C. Noguez Prospect.  
 Mineral County, Nevada.  $T = 64^{\circ}\text{C}/\text{km}$ ,  $k = 4 \text{ T.C.U.}$   
 $q = 2.6 \text{ H.F.U.}$  Logged March 15, 1982.



Thermal Gradient Curve Mineral Hole B. Noquez Prospect.  
 Mineral County, Nevada.  $T = 67^{\circ}\text{C}/\text{km}$ ,  $k = 4 \text{ T.C.U.}$   
 $q = 2.7 \text{ H.F.U.}$  Logged March 15, 1982.