EG&G Idaho

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INTEROFFICE CORRESPONDENCE

date March 29, 1979

to G. L. Mines

from W. L. Niemi

subject 20-DAY DRAWDOWN PREDICTIONS FOR RRGE-1 - WLN-17-79

In reply to your request of March 27, 1979, RRGE-1 drawdown predictions for various pumping rates are attached. The predictions are for 20 days of constant rate pumping and should be used to determine pump specifications for the forthcoming test of RRGE-1.

SW

Attachment:
As stated

cc: C. A. Allen
M. R. Dolenc
D. Goldman
R. R. Stiger
Central File

FORM EG&G-954
(Rev. 2-77)

RRGE-1 DRAWDOWN PREDICTIONS FOR 20-DAY TEST

1. Based upon 880 gpm test February 2-6, 1976 (260 hrs).

2. No well interference is assumed.

3. Boundary indicates that a barrier boundary is influencing drawdown after 333 hours. This is added for conservatism and is not indicated by data.

4. Drawdown will be from an assumed initial wellhead pressure of 1100 kPag (160 psig).

Pumping Rate	Drawdown After 20 Days Assuming No Boundary	Drawdown After 20 Days Assuming Barrier Boundary
50.5 l/s 800 gpm	1890 kPa 275 psi	1970 kPa 286 psi
56.8 l/s 900 gpm	2130 kPa 309 psi	2220 kPa 322 psi
63.1 l/s 1000 gpm	2370 kPa 343 psi	2570 kPa 358 psi
69.4 l/s 1100 gpm	2600 kPa 378 psi	2710 kPa 394 psi
75.7 l/s 1200 gpm	2840 kPa 412 psi	2960 kPa 430 psi
82.0 l/s 1300 gpm	3080 kPa 446 psi	3210 kPa 465 psi