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**INTEROFFICE CORRESPONDENCE**

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date           October 8, 1979

to             M. R. Dolenc

from          J. A. Martinez/K. S. Kennedy *K.S. Kennedy*

subject       THIEF ZONES IN THE RAFT RIVER DEEP WELLS - JAM-1-79

A study based on drillers reports, gamma, neutron, temperature and lithological logs of the seven Raft River deep wells was conducted in search of possible thief zones.

It appears that thief zones exist at the following:

RRGE-1 - 1600'-1700' (gravely sand)  
RRGE-2 - 4000'-4200' (sand with uneven silt and gravel)  
RRGE-3 - 1900'-2150' (gravely sand)  
RRGE-4 - 2431'-2840' (sand)  
RRGE-5 -               No thief zone  
RRGI-6 - 2100'-2200' (coarse gravel and sand)  
RRGI-7 -               No thief zone

We feel confident that the aforementioned thief zones exist at the depths indicated; however, these individual zones cannot be correlated across the whole Raft River Valley.

Thief zones not mentioned in the Drillers Report may exist. These zones may be controlled by lithologies or the fracture system of the Valley.

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cc: Central File  
~~Letter File~~