
INTEROFFICE CORRESPONDENCE

date November 28, 1978
to G. M. Millar
from **W. L. Niemi** *Niemi*
subject DISCHARGE RATE RRGE-1 - WLN-12-78

After analyzing the data produced at RRGE-1 during the testing of RRGP-5B (Nov. 1-4, 1978), it appears that discharge from RRGE-1 was allowed to fluctuate. The included figure, a graph of wellhead pressure at RRGE-1 and RRGE-2 between Oct. 31 and Nov. 7, 1978, suggests a trend of declining pressure occurring within the aquifer(s) penetrated by RRGE-2. As RRGE-1 penetrates the same aquifer(s) as RRGE-2, a similar trend should occur in RRGE-1 data. The RRGE-1 data does not form a readily apparent trend.

Discharge measurements at RRGE-1 show that the discharge varied within acceptable limits (180 to 190 gpm); therefore, the cause of the scatter in RRGE-1 data must be correlative with another factor(s). Reservoir Engineering personnel have suggested that perhaps water used for the space heating of the RRGE-1 facilities is not included in the discharge measurements supplied to Reservoir Engineering.

If space heating water is not included in RRGE-1 discharge measurements, please take steps to assure a constant discharge rate ($\pm 3\%$) at RRGE-1. Constant discharge is of prime importance in determining interference effects between wells that penetrate the Raft River KGRA.

If the RRGE-1 discharge measurements do record total discharge, Reservoir Engineering hydrogeologists compliment RRFO for fulfilling discharge specifications agreed upon between Reservoir Engineering and RRFO. If the discharge measurements do record total discharge, please inform Reservoir Engineering so that hydrogeologists can begin investigating other possible causes of the data scatter.

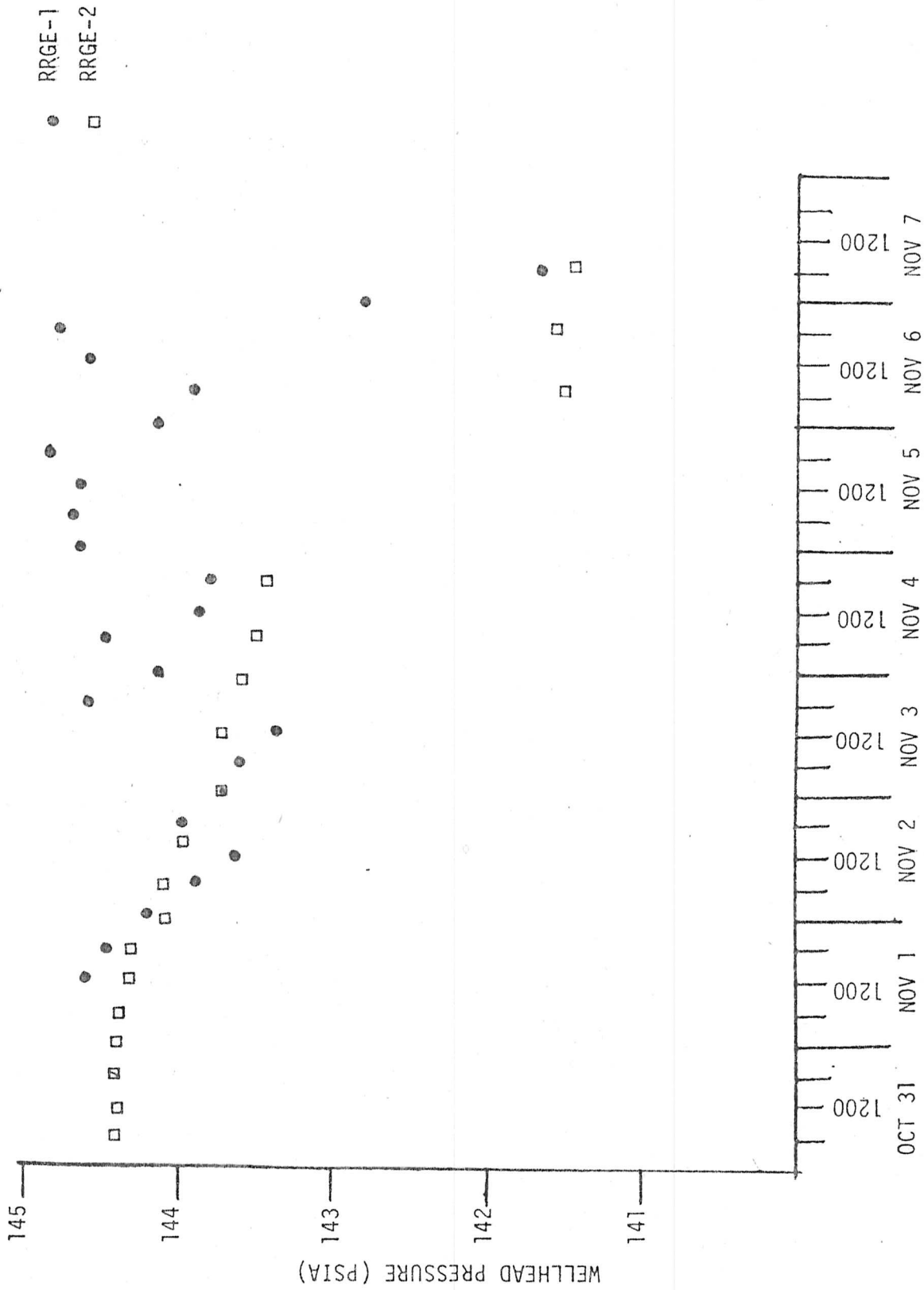
SW

Enclosure:
As stated

cc: C. A. Allen *C.A.*
D. W. Allman
M. R. Dolenc
J. E. Driscoll
D. Goldman
B. S. Meyer

L. B. Nelson
J. H. Ramsthaler
R. R. Stiger *RS*
Central File

WELLHEAD PRESSURE RRGE-1 AND RRGE-2, NOVEMBER 1 THRU NOVEMBER 7, 1978



INTEROFFICE CORRESPONDENCE

date January 3, 1979
to W. L. Niemi
from G. M. Millar *GMM*
subject DISCHARGE RATE RRGE-1 - Millar-1-79

In response to the questions raised by the reference, RRGE-1 discharge measurements do record total discharge flow rate. It therefore is necessary that other possible causes of the data scatter be investigated.

If you have any further questions concerning this matter please feel free to contact me on extension 6-0609 or 6-2401.

GMM/jf

cc: C. A. Allen
J. E. Driscoll
R. W. Gould
J. H. Ramsthaller
Central File
G. M. Millar File