PDR 40-8697

ROCKY MOUNTAIN ENERGY COMPANY

October 3, 1980

Ms. Margery Hulbert
Department of Environmental Quality
Land Quality Division
401 W. 19th Street
Cheyenne, WY 82002

Dear Margery:

Re: Reno Creek, Pattern 2

Attached is a description of the well integrity test procedure used and results obtained for the Pattern 2 injection wells at Reno Creek. All wells passed the integrity test at a pressure of 75 psi which is well above the planned injection pressures of 0-50 psi.

It should be emphasized that pressure testing of any injection well is critical not only to proper operation of a wellfield, but also to ensure that protection of non-production zone aquifers or groundwater is provided. Failure to do so would be negligent on the part of the operator and could result in a situation which would be undesirable to both the DEQ and the operator. Naturally, RMEC desires to avoid such a situation and has therefore developed a mandatory procedure for testing all injection wells. We are currently developing a standard pressure test form which will be used for all future well integrity tests.

This letter will also confirm that verbal authorization to begin injection in Pattern 2 was given to RMEC by Mr. Dennis Morrow of the DEQ at 1100 hours, October 3, 1980.

In accordance with previous discussion with you, we will submit the final baseline water quality data and upper control limits (UCLs) when all outside laboratory results have been received.

If you have any questions, please contact Rick Iwanicki or me.

Sincerely,

Michael R. Neumann

M. R. Neumann
Field Environmental Coordinator

MRN/pa
CC: Mr. Tony Mancini (DEQ)
Mr. Tom Mueller (DEQ)
K.W. Loet
R. E. Hynes
P.J. Bosse
Mr. Glen Mooney (DEQ)
Mr. J. E. Rothfleisch (NRC)
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Pressure Test Data

Reno Creek Pattern II

No.	Date	Depth of Packer	Duration of Test	Pressure at Start	Pressure at End
2	7/22/80	250'	10 min.	75 psi	75 psi
I-13	7/30/80	"	"	"	"
I-14	7/30/80	"	"	"	"
I-15	7/30/80	"	"	"	"

Test Procedure

All wells were pressure tested by installing an inflatable packer within the casing above the production zone. Once the packer is located at the desired depth, it is inflated with compressed air to form a hermetic seal between the inner wall of the well casing and the packer. A valve controlled seal is installed at the surface of the casing. Water and air are then injected into the casing under a pressure which simulates the maximum wellfield injection pressure which might occur (75 psi). The surface valve is then closed and pressure levels observed on a pressure gauge over a period of 10 minutes. A significant drop in pressure during the observation period would indicate faulty casing conditions.