

PDR 40-8380

**ROCKY MOUNTAIN
ENERGY COMPANY**

June 26, 1980

Mr. Dennis Morrow, District Engineer
DEQ - Land Quality Division
District IV
30 East Grinnell Street
Sheridan, WY 82801

Dear Mr. Morrow:

Re: Pattern III Status Report

Enclosed are the available results for the May 5 and June 9, 1980 samplings of Pattern III monitor wells. There has been no significant change in well status since the last report. Monitor well M-40 excursion parameters are all below the respective upper control limits (UCL) with the exception of uranium which has remained below 0.2 mg/l over the last three samplings. Well M-43 continues to show elevated levels of uranium and vanadium although both are less than 1 mg/l. Well M-41 remains at essentially background levels for the excursion parameters and vanadium has also returned to baseline range.

There has been no change in pattern operation. Production continues at 5 gpm from both the upper and lower ore zones, with no injection. The production liquor is routed through the water treatment circuit to reservoir B with the lime underflow going to reservoir A.

If you have any questions, please let me know.

Sincerely,

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Michael R. Neumann

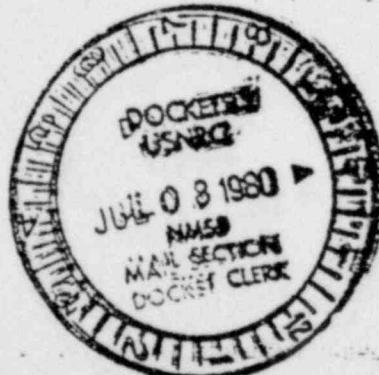
M. R. Neumann
Field Environmental Coordinator

MRN/je

Enclosures

cc: Margery Hulbert (DEQ)
Tom Mueller (DEQ)
Tony Mancini (DEQ)
Jack Rothfleisch (NRC)
NRC - Region IV
Rick Iwanicki
Kent Loest

FILED



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Sample Date	Sample Description	pH	Eh	EN ^o	Cond	Al ³⁺	Hard	CO ₃ ²⁻	HCO ₃ ⁻	C _a	Mg	Na	K	Fe	SO ₄	C _l	V	TDS	Ma	As	Se	U ₃ O ₆	Gross Total	Pb ₂₊	Po ₂₊	Rn ₂₊	Ra ₂₊		
		MV	MV	MV	MV	MV	MV	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	Mg/l	pCi/l	pCi/l	pCi/l	pCi/l			
11-41	1121	5.3	3900					91	4.8	5.3	14	0.99	1582	40	0.53	1.929	0.54	.04	.04	.07						24.9	.02.4	35C1.2	
11-41	114/82	6.2	2800					140	6.9	505	11.6	0.30	1332	36	4.1	2.24													
11-41	4/3/23	6.45	2600					93	50	174	9.0	0.23	1198	17.3	0.7	0.640													
11-41	5/5/80	6.8	2500					87	44	418	8.2	0.3	1116	30	0.59	1.690													
11-41	6/19/80	6.8	2400					74	58	423	7.0	0.22	857	54	0.22	1.850													
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* Value given is the LCL (Lower Control Limit)

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