



COLORADO PLATEAU GEOLOGICAL SERVICES, INC.

SUITE 2D

413 WEST MAIN STREET
FARMINGTON, NEW MEXICO 87401

(505) 325-9671

(505) 325-3641

October 10, 1973

(505) 325-7855

- ☆ Surface & Sub-Surface Studies
- ☆ Well Site Supervision
- ☆ Exploration Program Planning & Supervision
- ☆ Property Development and Management

Mr. Lloyd Davidson
President, Northern Minerals, Inc.
P. O. Box 2182
Santa Fe, New Mexico 87501

Re: Water Analysis
Injection Water
Pilot Water Flood

Dear Mr. Davidson:

Further to my letter of October 5, 1973, I submit the following results of analysis of a water sample collected October 8, 1973, from your Gallup sand water supply well at Miguel Creek Dome. The analysis was made by Mr. John Alexander, District Engineer for Halliburton Services in Farmington.

Resistivity-----	7.58 ohms @ 62° F.
Specific Gravity-----	1.01
pH-----	7.5
Calcium and Magnesium-----	0
Chlorides-----	50.6 ppm
Sulphates-----	1500 ppm
Bicarbonate-----	293 mg/l
Iron-----	Nil

This analysis was requested by Mr. Richard Stamets, Examiner for NMOC, at the hearing on your water flood application (Case 5072) October 3, 1973.

Please let me know if I can be of further assistance.

Very truly yours,

Mark E. Weidler

Mark E. Weidler
Consultant Petroleum Geologist

MEM:no

OIL CONSERVATION COMMISSION
3 DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE 11-1-74

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX X _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 10-30-74 79
for the Northern Minerals Inc SFPRR #8 G-16-16N-6W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Carl, as I understand it you had previously approved this
on a temporary basis and as they have furnished a
water analysis I see no reason why it can't be
permanently approved

Yours very truly,

Carroll