

Northern Minerals, Inc.

TELEPHONE (505) 983-9689

LLOYD DAVIDSON
President

P. O. Box 2182
SANTA FE, NEW MEXICO 87501

October 30, 1974

Re: Case No. 5321
Northern Minerals McKinley
Waterflood Project

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Sir:

On August 28, 1974, Northern Minerals requested permission to convert it's SFPRR No. 8 well to an injection well. Maps and plats accompanied this request.

By letter dated August 30, 1974, Mr. Carl Ulvog, Senior Geologist, granted temporary permission to convert the No. 8 well. This authority was to expire when a decision pertaining to case No. 5321 had been reached.

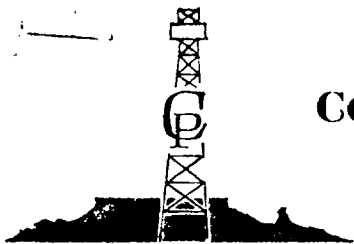
Order No. R-4875 was entered in case No. 5321 on October 22, 1974. This order specified the procedure to follow and the information to be furnished when it was desired to convert a well to an injection well. All of the information specified in this order was submitted at the time request was made to convert the No. 8 well with the exception of water analysis. Enclosed is copy of letter from Mark Weidler giving the water analysis of water now being injected into the No. 8 well.

It is requested that the authority granted in letter dated August 30, 1974, by Mr. Ulvog be made permanent.

Sincerely,

Northern Minerals, Inc.

Lloyd Davidson
By: Lloyd Davidson



COLORADO PLATEAU GEOLOGICAL SERVICES, INC.

SUITE 2D

413 WEST MAIN STREET
FARMINGTON, NEW MEXICO 87401

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

October 10, 1973

(505) 325-9671
(505) 325-3641
(505) 325-7855

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 74
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