DOYLE HARTMAN

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November 15, 1999

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VIA FACSIMILE: 505/827-8177 and FEDERAL EXPRESS

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Lori Wrotenbery, Director New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

> Re: Chevron's November 10, 1999 Water Injection Application Eunice Monument South Unit Waterflood Program

Dear Ms. Wrotenbery:

Reference is made to Chevron's November 10, 1999 application to convert additional wells to water injection within the Chevron-operated Eunice Monument South Unit ("EMSU") waterflood project (copy of application enclosed).

In order that we do not inadvertently waive any legal rights, while waiting to be furnished with sufficient supporting documentation regarding Chevron's newly proposed injection wells, please <u>initially</u> consider this letter as our objection to Chevron's application.

However, Doyle Hartman is not opposed to additional injection wells being added to the EMSU waterflood project <u>providing</u> that Chevron can make a satisfactory showing that its proposed additional injection wells can be installed and operated in accordance with the following set of industry-accepted injection practices and standards:

- 1) The proposed additional EMSU water injection will be kept, at all times, within Chevron's originally approved EMSU water injection interval.
- 2) The proposed new EMSU injection wells have been properly cemented with adequate volumes of API sulfate-resistant cement and the individual injection well cement jobs demonstrate satisfactory bonding and pipe characteristics using a state-of-the-art 360° bond-pipe evaluation tool such as Schlumberger's USI-GR-CCL log.
- 3) The wellhead injection pressure for the proposed injection wells will <u>always</u> be kept <u>at or</u> <u>below</u> the NMOCD's maximum surface injection pressure limit of 0.2 psi/ft.

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- 4) The primary cement job for the proposed injection wells has not been compromised by nitro-glycerin stimulation or excessive acid treatments.
- 5) The individual well and overall project injection-to-withdrawal ratios are kept at 1.0 or less ensuring that out-of-zone non-oil-recovery injection is not occurring.
- 6) The proposed new injection wells do not exhibit injection profiles that indicate a large volume (or percentage) of injection water is exiting the wellbore at the upper part of the injection interval.

For the following reasons, we are requesting that the foregoing requirements be met:

- A) Our State "A" Nos. 4 and 5 Eumont gas wells (Sections 5 and 8, T-21-S, R-36-E) are now producing water from a Eumont completion interval that was originally non-productive of water; and
- B) We have experienced additional significant negative impact (on the order of several million dollars), in the overall Eunice-Monument-Jalmat trend, due to water injection projects that have injected substantial volumes of water out of zone, although such injection projects were to have originally been operated in accordance with NMOCD rules and regulations.

Very truly yours,

Doyle Hartman

DH/ao Enclosures

cc w/ encs.:

VIA FACSIMILE: 505/827-8177 and FEDERAL EXPRESS Michael Stogner, Chief Hearing Examiner New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

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