

Possibility of casing failure



WALSH

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December 16, 1985

Mr. Richard L. Stamets
Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87505-2088

REF: Hardship Gas Well Classification
M. J. Brannon
Federal 20, No. 1-R
Unit J, Section 20-T25N-R9W
San Juan County, New Mexico

Dear Mr. Stamets:

This is a request, on behalf of M. J. Brannon, for extension of the Hardship Gas Well Classification for the above-referred-to well.

Order R-7742 approved a producing rate of 130 MCF per day. The attached Production Data and Decline Curve indicates a producing rate in excess of 130 MCF per day during the months of May through September, 1985. The increase was due to the following:

1. A production packer was installed in well in March 1985.
2. Installation of the production packer improved the lift efficiency of the gas stream flow.
3. The improved lift efficiency allowed the water, causing previous damage to formation, to be removed.
4. As water decreased the volume of gas increased and then started decreasing.

The producing rate, during November 1985, was 104 MCF per day. This indicates that the formation still has damage due to produced water. This volume of gas is below the approved volume of 130 MCF per day.

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DIST. 3



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Formation damage when compared with decline curve analysis present in Case No. 8216, is still evident and a shutin of the well would probably cause additional formation damage.

The extension is requested to allow additional production history, without the well being shut in, to be obtained to allow a determination, as to probable formation damage, due to produced water, under the present producing conditions.

Very truly yours,

A handwritten signature in cursive script, reading "Ewell N. Walsh".

Ewell N. Walsh, P.E.
President

ENW:rr

cc: M. J. Brannon w/att.

Frank Chavez, NMOCD, Aztec, N.M. w/att.

(10000)

M. J. BRANNON

FEBRUARY 20-1R

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14-2 20 YEARS BY MONTHS X 3 LOG CYCLES
KEUFEL & ESSER CO. MADE IN U.S.A.

