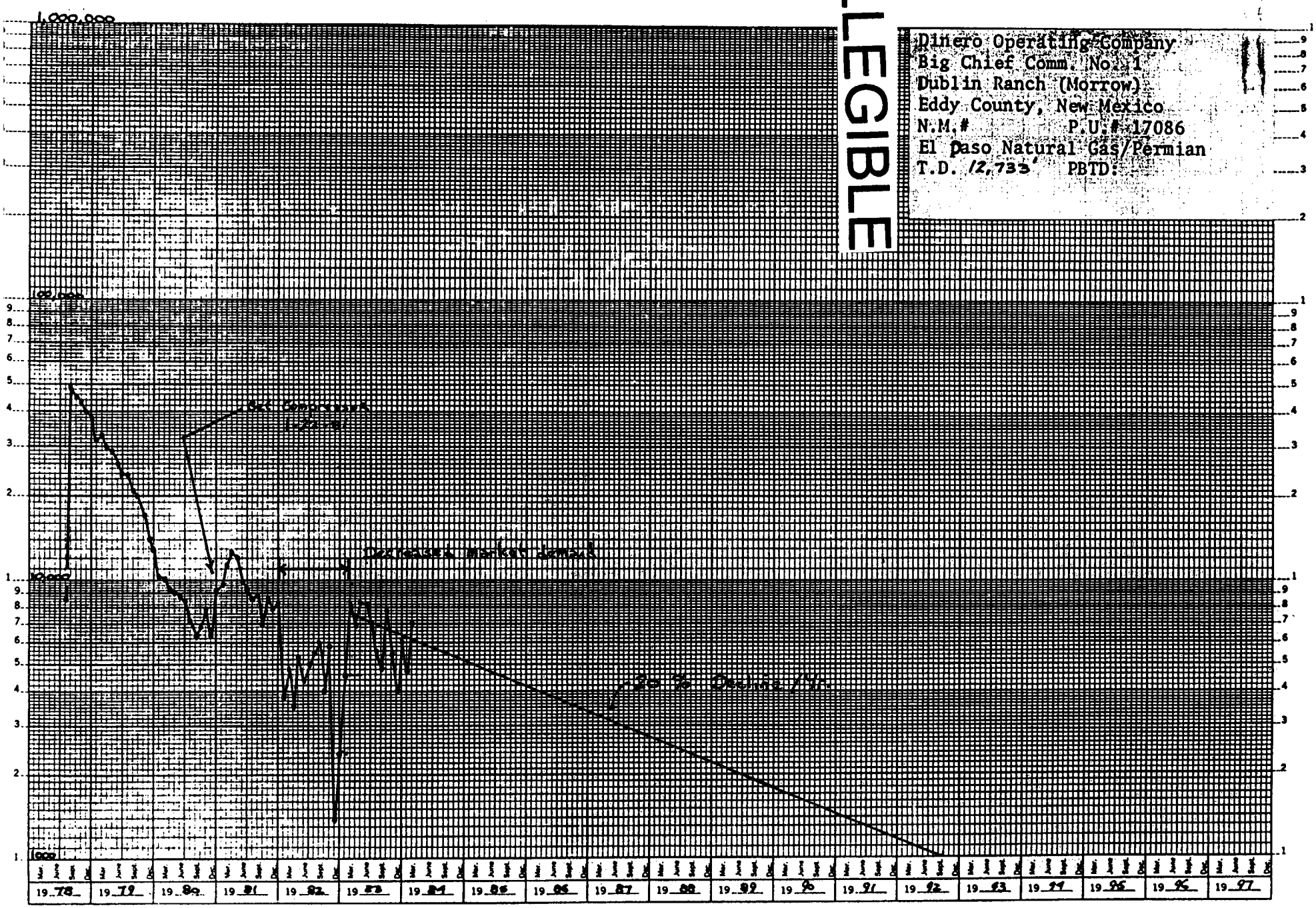
DOC# 2584
EXHIBIT# 8
CASE# 8218, 19, 20, 21

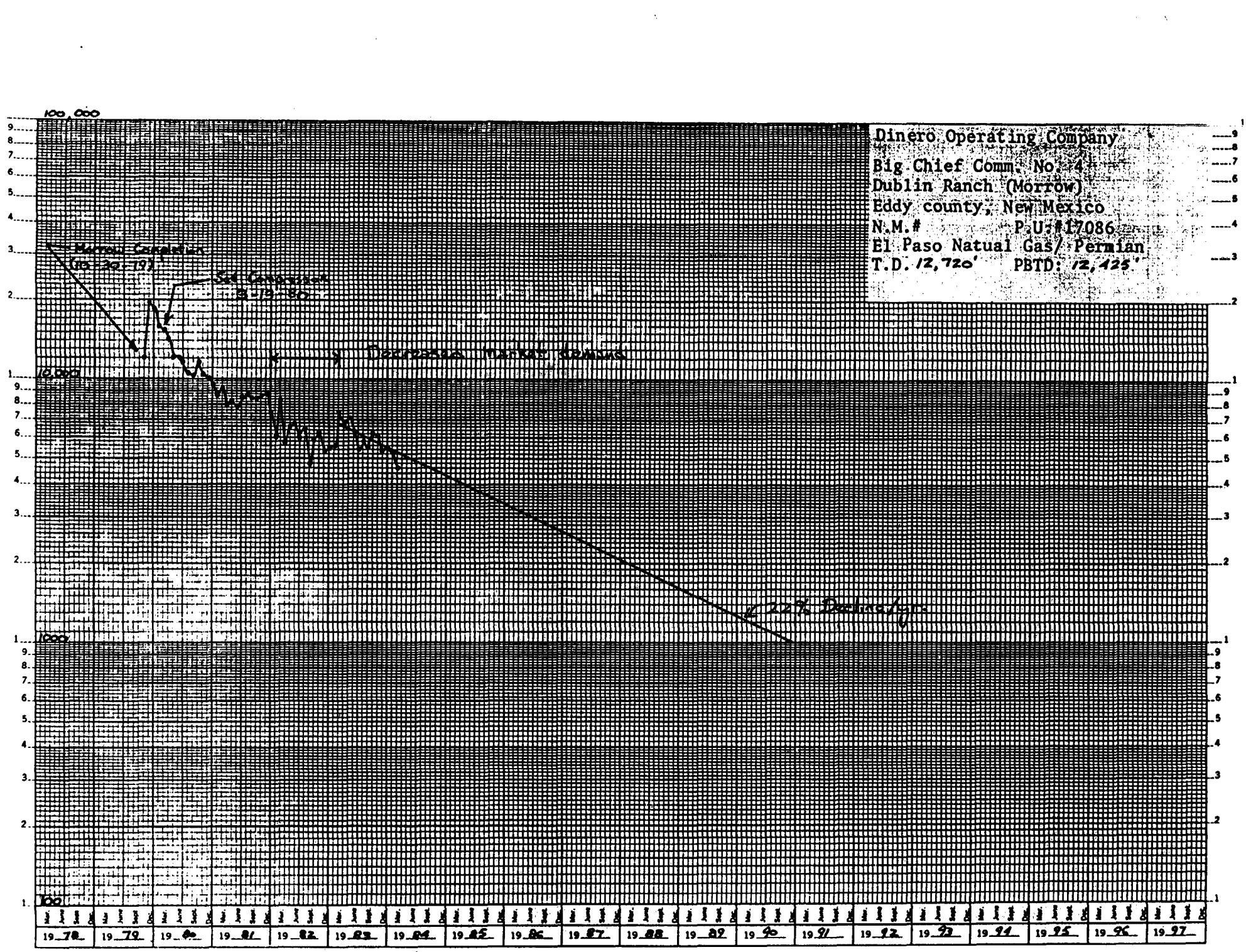
APPLICATION FOR CLASSIFICATION AS HARDSHIP GAS WELLS
Dinero Operating Company
Dublin Ranch Morrow Wells
Eddy County, New Mexico

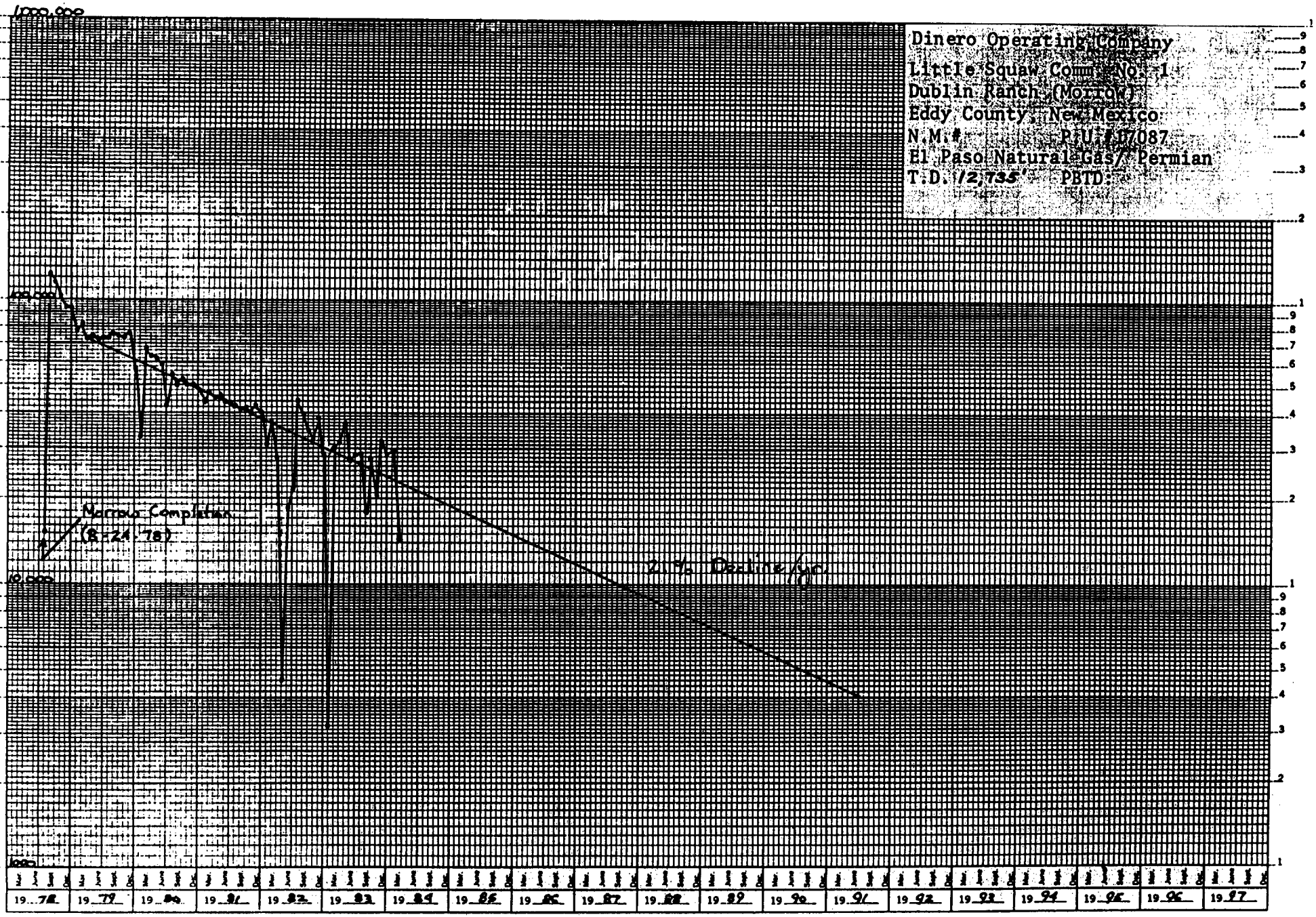
ITEM NO. 4

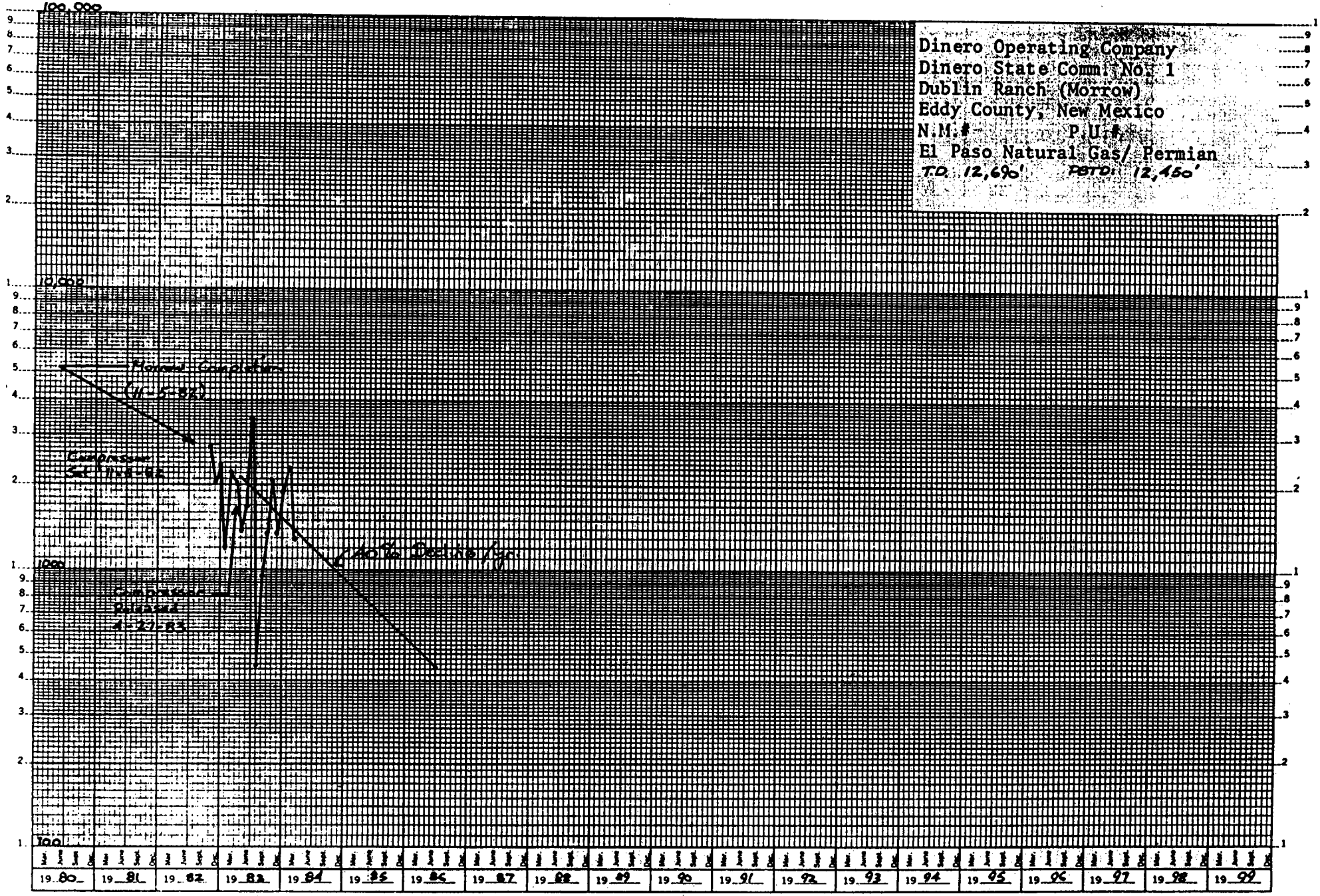
4. Failure to obtain a HARDSHIP GAS WELL status for the Morrow wells in question would lead to premature abandonment and loss of reserves as follows:

BIG CHIEF COMM. NO. 1	304 MMCF
BIG CHIEF COMM NO. 4	225 MMCF
LITTLE SQUAW COMM. NO. 1	1065 MMCF
DINERO STATE COMM. NO. 1	21 MMCF


ILLEGIBLE
Dinero Operating Company
Big Chief Comm. No. 1
Dublin Ranch (Morrow)
Eddy County, New Mexico
N.M.#
P.U.# 17086
El Paso Natural Gas/Permian
T.D. 12,733'
PBTD:
Oct Comparison
Decreased market demand
20% Decline /Yr.
1,000,000
100,000
10,000
1,000
19 78
19 79
19 80
19 81
19 82
19 83
19 84
19 85
19 86
19 87
19 88
19 89
19 90
19 91
19 92
19 93
19 94
19 95
19 96
19 97


Dinero Operating Company
Big Chief Comm. No. 4
Dublin Ranch (Morrow)
Eddy county, New Mexico
N.M.#
P.U.#17086
El Paso Natual Gas/ Permian
T.D. 12,720'
PBTD: 12,425'
Morrow Completion
(No Sales)
Sale Commenced
3-19-80
Decreasing Market Demand
22% Decline/Yr.
100,000
10,000
1000
100
19 78
19 79
19 80
19 81
19 82
19 83
19 84
19 85
19 86
19 87
19 88
19 89
19 90
19 91
19 92
19 93
19 94
19 95
19 96
19 97


1,000,000
100,000
10,000
1,000
Dinero Operating Company
Little Squaw Comm. No. 1
Dublin Ranch (Morrow)
Eddy County, New Mexico
N.M.#
P.U.#17087
El Paso Natural Gas/ Permian
T.D. 12,735'
PBTD:
Morrow Completion
(8-24-78)
21% Decline Eqc.
19 78
19 79
19 80
19 81
19 82
19 83
19 84
19 85
19 86
19 87
19 88
19 89
19 90
19 91
19 92
19 93
19 94
19 95
19 96
19 97


Dinero Operating Company
Dinero State Comm. No. 1
Dublin Ranch (Morrow)
Eddy County, New Mexico
N.M.#- P.U.#-
El Paso Natural Gas/ Permian
T.D. 12,690' PBTD: 12,450'
100,000
10,000
1000
100
Natural Completion (W-5-82)
Compressor Set 11-8-82
Compressor Released 4-27-83
40% Decline/Yr
19 80
19 81
19 82
19 83
19 84
19 85
19 86
19 87
19 88
19 89
19 90
19 91
19 92
19 93
19 94
19 95
19 96
19 97
19 98
19 99

$$N = \frac{12(Q_i - Q_e)}{\ln(1-D)} = 12($$

Morrow BC #3 $= \frac{-12(3400 - 450)}{\ln(1-0.62)} =$ 416,000 MCF lost production
416 MMCF

ATOKA BC #3 $= \frac{-12(8000 - 450)}{\ln(1-.40)} =$ 177,360 MCF lost
177 MMCF

Morrow BC #4 $= \frac{-12(5100 - 450)}{\ln(1-.22)} =$ 225 MMCF

Morrow BC #1 $= \frac{-12(6100 - 450)}{\ln(1-.20)} =$ 304 MMCF

ATOKA BC #2 $= \frac{-12(13000 - 450)}{\ln(1-.50)} =$ 217 MMCF

Morrow BC #2 $= \frac{-12(54000 - 450)}{\ln(1-.40)} =$ 1180 MMCF

Morrow DOS #1 $= \frac{-12(1350 - 450)}{\ln(1-.40)} =$ 21 MMCF

2" x 10" x 8" x 8"
2" x 10"
1" x 10"

ATOKA LS #2 $= \frac{-12(\quad)}{\ln(\quad)} =$

Morrow LS #1 $= \frac{-12(22500 - 450)}{\ln(1-.22)} =$ 1065 MMCF