

100000
10000
1000
100

1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010
YEARS

HYPERBOLIC
DECLINE

EXPONENTIAL DECLINE

TWIN LAKES FIELD

PELTO OIL COMPANY

CHRYES COUNTY, N.M.
WATERFLOOD TRACT #29
L LEASE

2/86 --CUM-- --REM-- --ULT--
514731 210035 724766

$$q = q_i(1-d)^t$$

d = 11%

$$q = q_i(1 + \frac{bt}{a})^{-\frac{1}{b}}$$

$$a = \frac{1}{\ln(1-d)}$$

b = 1.5

N1+N2 = 210,035 BO

N2 = 159,120 BO

N1 = 50,915 BO

OIL-88L

OIL-BOPM

CUT OFF

Active wells at 4/1/86 x 1 BOPD/well/mo. x 30 days
"L" lease-13 wells x 1 BOPD/well x 30 days/mo. = 390 BOPM

EXHIBIT
24
4210 Y92H

11 Bbl / Oil / well / month
production



