

100000

10000

DIL-BOPM

1000

100

HYPERBOLIC
DECLINE

$$q = q_i \left(1 + \frac{b}{a_i} t\right)^{-\frac{1}{b}}$$

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

$$b = 1.5$$

N₁ = 50,915 BO

OIL-88L

EXPONENTIAL DECLINE

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

$$d = 11\%$$

N₂ = 159,120 BON₁ + N₂ = 210,035 BO

PELTO OIL COMPANY

TWIN LAKES FIELD

CHARLES COUNTY, N. M.

WATERFLOOD TRACT #29

L. LEASE

3/86 --CLM-- --REM-- --ULT--

514731 210035 724766

EXHIBIT

92104-0241

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

CUT OFF

YEARS

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