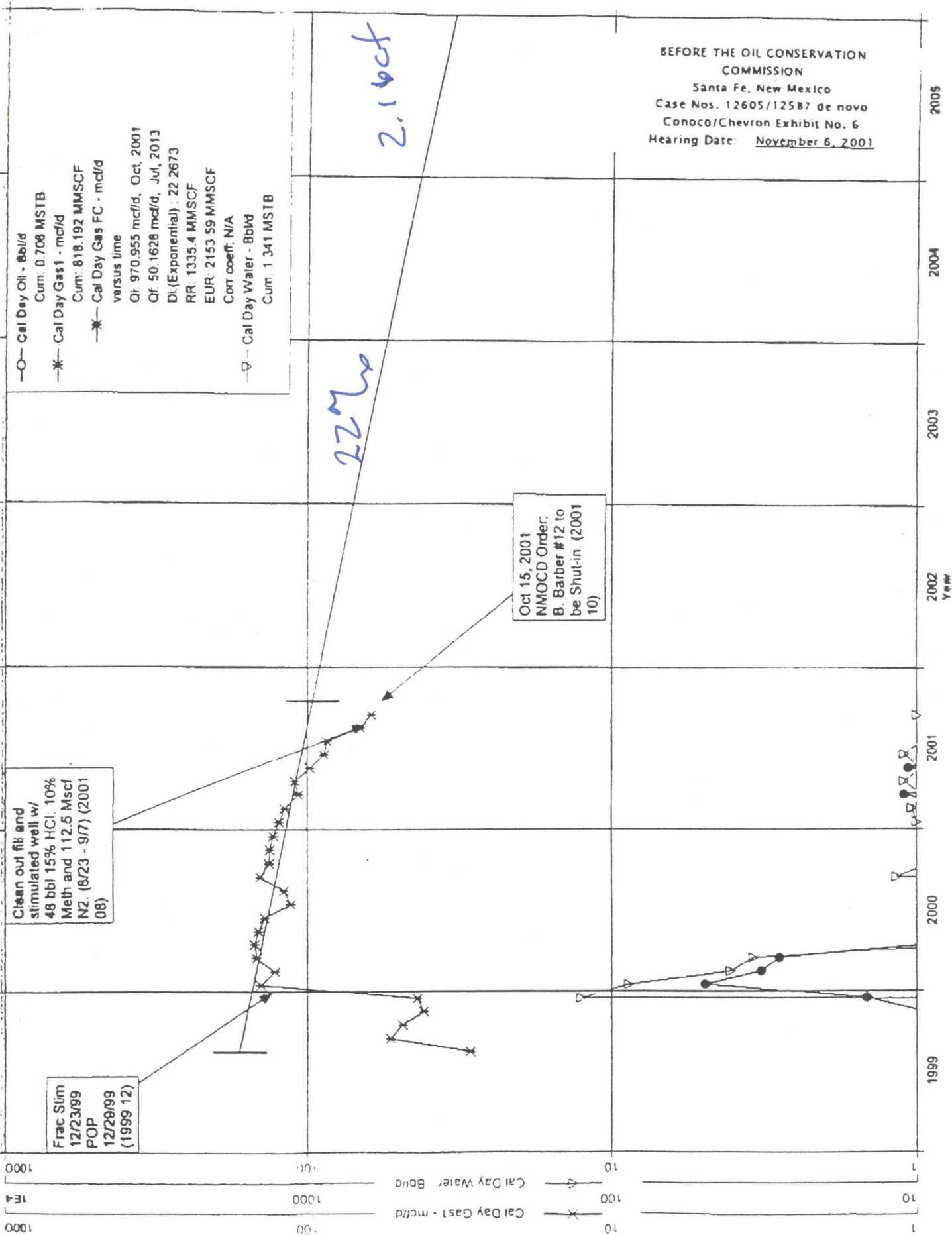




BEFORE THE OIL CONSERVATION
COMMISSION
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Conoco/Chevron Exhibit No. 6
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Cal Day Oil - Bbl/d
Cum: 0.708 MSTB

Cal Day Gas1 - mcf/d
Cum: 818.192 MMSCF

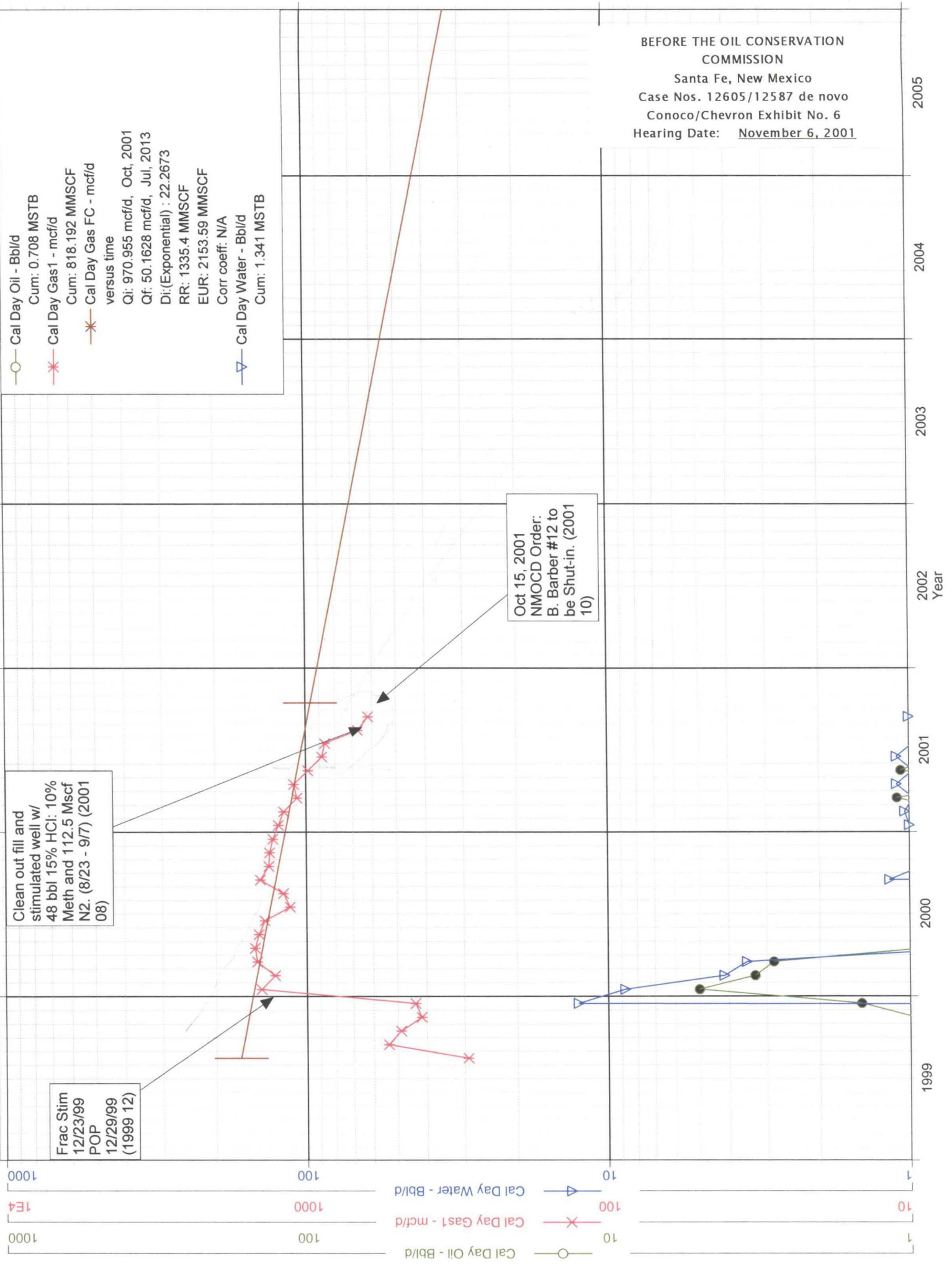
Cal Day Gas FC - mcf/d
Cum: 1.341 MSTB

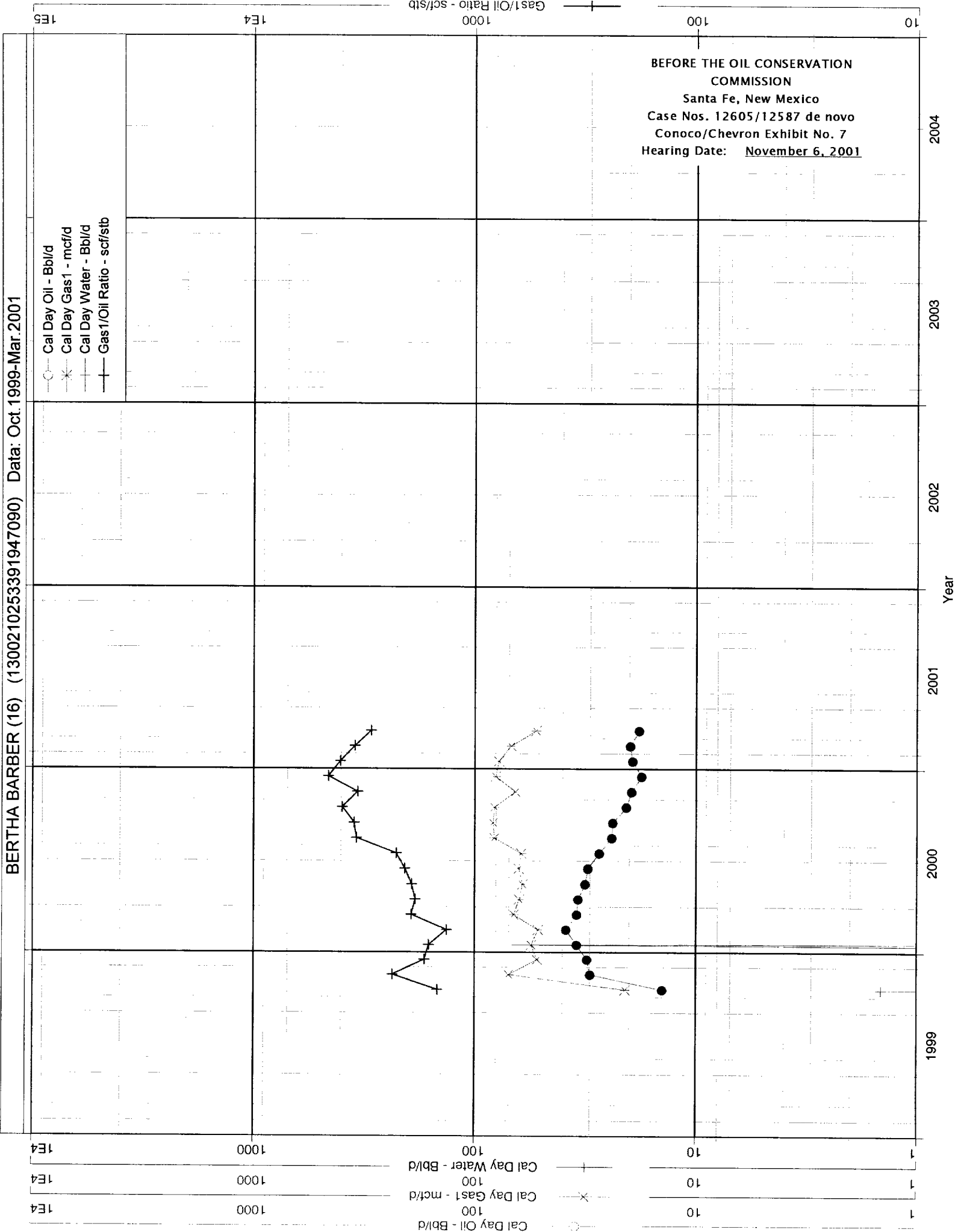
Q1: 970.955 mcf/d, Oct, 2001
Qf: 50.1628 mcf/d, Jul, 2013
Di:(Exponential) : 22.2673
RR: 1335.4 MMSCF
EUR: 2153.59 MMSCF
Corr coeff: N/A

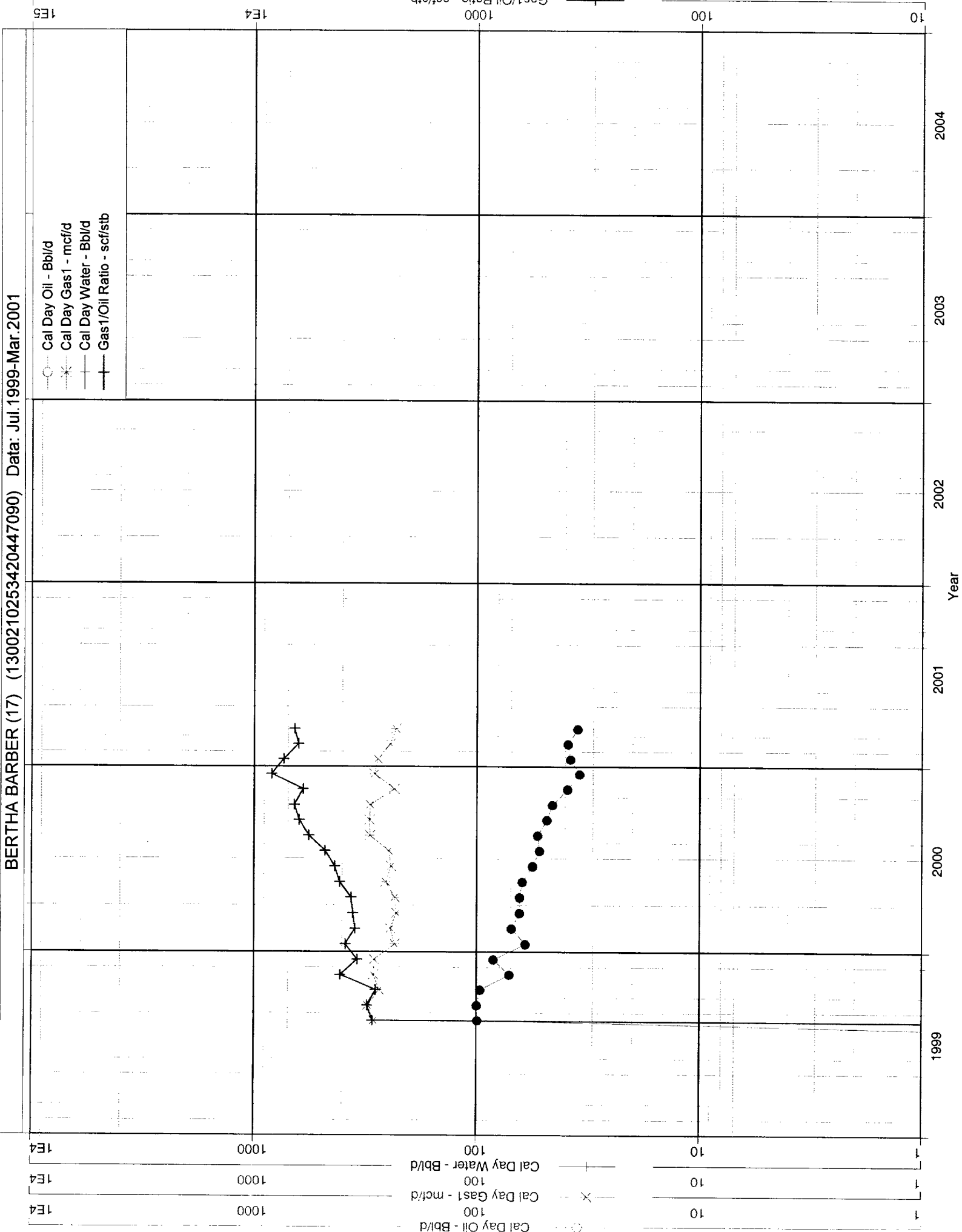
Clean out fill and
stimulated well w/
48 bbl 15% HCl: 10%
Meth and 112.5 Mscf
N2. (8/23 - 9/7) (2001
08)

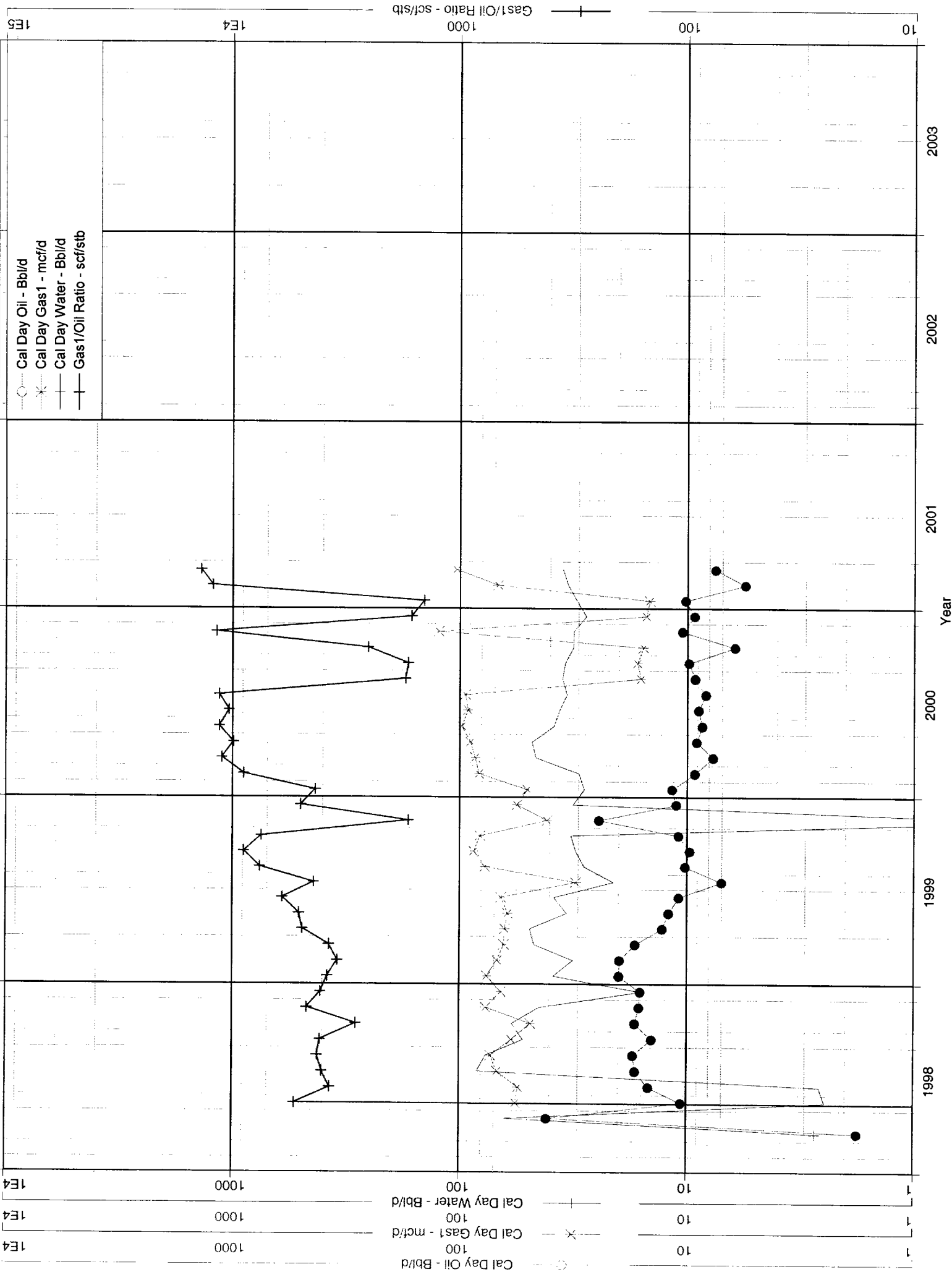
Frac Stim
12/23/99
POP
12/29/99
(1999 12)

Oct 15, 2001
NMOCD Order:
B. Barber #12 to
be Shut-in. (2001
10)









Sapient's Bertha Barber #12
Unit A, 330 FNL, 660 FEL, Section 7, T20S, R37E

Volumetrics

Porosity =	8.7% BV
Swi =	23.0% PV
Net H =	26.5 ft
Area =	160 acres
dP =	0.385 psi/ft
Perf Depth =	6394 ft
T =	105 °F = 565 °R
Pi =	2462 psia
Zi =	0.7896
Bgi =	195.19 SCF/ft³

Initial Gas In Place

IGIP =	$43560 \cdot \phi \cdot \text{NetH} \cdot \text{Area} \cdot (1 - \text{Sw}) \cdot \text{Bgi}$
=	0.5696 MMCF/Acre-ft
=	2,415.02 MMSCF

Estimated Ultimate Recovery

P[ab] =	300 psia
Z[ab] =	0.9586
Bg[ab] =	19.59 SCF/ft³
Rec Factor =	$(\text{Bgi} - \text{Bg[ab]}) / \text{Bgi}$
=	90.0%
Est Ult Rec =	$90.0\% \cdot 0.5696 \text{ MMCF/Acre-ft}$
=	0.5124 MMCF/Acre-ft
=	2,172.64 MMSCF

Decline Calculations

Const Percent Decl (Di) =	22.27%
Nominal Decline (a) =	25.2%
Proj Oct Rate =	972 MCFPD
Final Rate =	50 MCFPD
Rem Reserves =	1336.0 MMSCF
Cum Recovery =	818.2 MMSCF
Est Ult Recovery =	2154.2 MMSCF

As of 9/30/01

Est Ult Recovery =	0.5124 MMCF/Acre-ft
Drainage Area =	$\frac{2154.2 \text{ MMCF}}{26.5\text{ft} \cdot 0.5124 \text{ MMCF/Acre-ft}}$
=	159 acres
Drain Radius (re) =	1485 feet

Sapient's Bertha Barber #12
Unit A, 330 FNL, 660 FEL, Section 7, T20S, R37E

Volumetrics

Porosity =	8.7% BV
Swi =	23.0% PV
Net H =	26.5 ft
Area =	160 acres
dP =	0.385 psi/ft
Perf Depth =	6394 ft
T =	105 °F = 565 °R
Pi =	2462 psia
Zi =	0.7896
Bgi =	195.19 SCF/ft ³

Initial Gas In Place

IGIP =	$43560 \cdot \phi \cdot \text{Net H} \cdot \text{Area} \cdot (1 - S_w) \cdot B_{gi}$
=	0.5696 MMCF/ Acre-ft
=	2,415.02 MMSCF

Estimated Ultimate Recovery

P[ab] =	300 psia
Z[ab] =	0.9586
Bg[ab] =	19.59 SCF/ft ³
Rec Factor =	$(B_{gi} - B_{g[ab]}) / B_{gi}$
=	90.0%
Est Ult Rec =	$90.0\% \cdot 0.5696 \text{ MMCF/ Acre-ft}$
=	0.5124 MMCF/ Acre-ft
=	2,172.64 MMSCF

Decline Calculations

Const Percent Decl (Di) =	22.27%
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Cum Recovery =	818.2 MMSCF
Est Ult Recovery =	2154.2 MMSCF

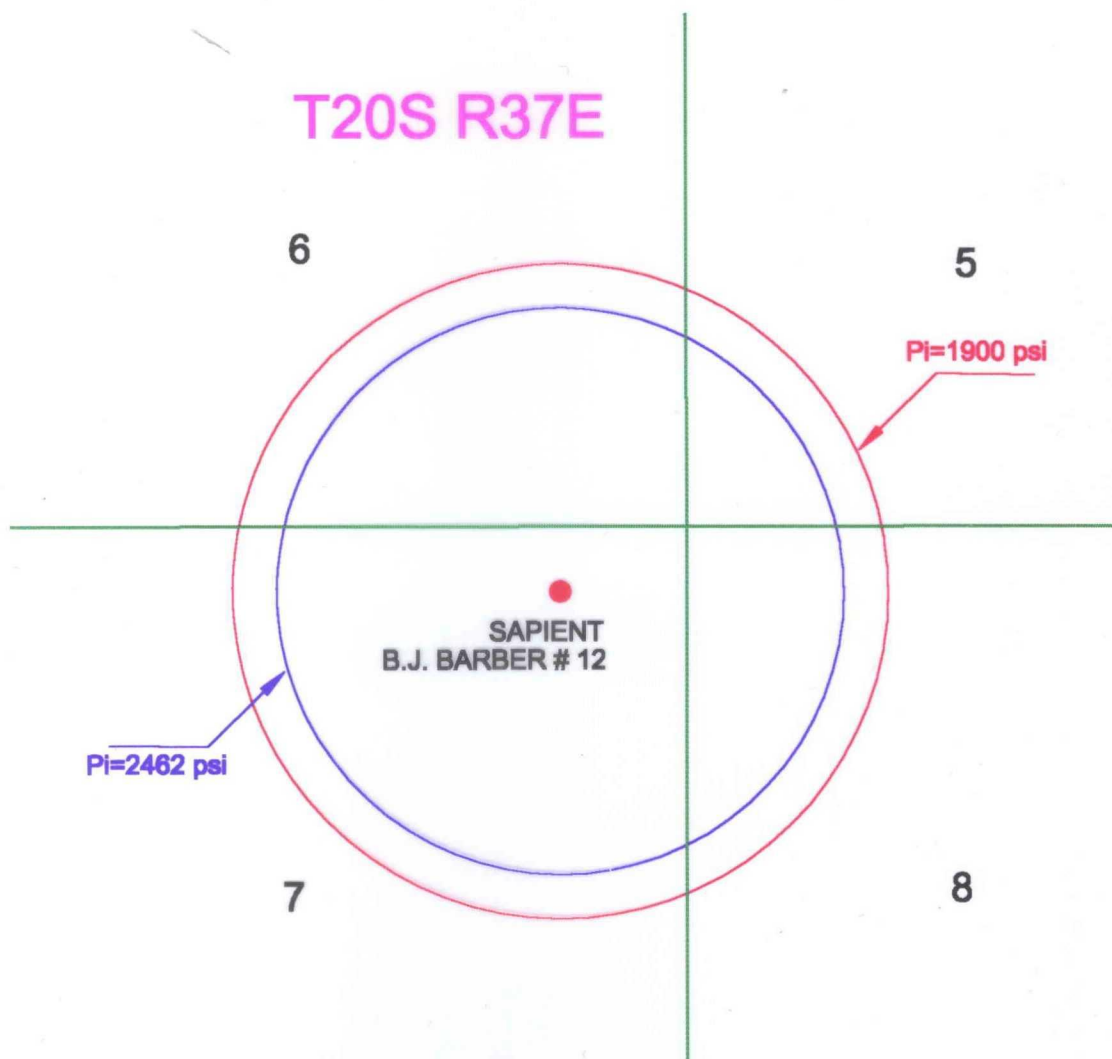
As of 9/30/01

Est Ult Recovery =	0.5124 MMCF/ Acre-ft
Drainage Area =	$\frac{2154.2 \text{ MMCF}}{26.5 \text{ ft} \cdot 0.5124 \text{ MMCF/Acre-ft}}$
=	159 acres
Drain Radius (re) =	1485 feet

NMOCD HEARING EXHIBIT 9

SCALE: 1" = 1000'

● GAS PROD.

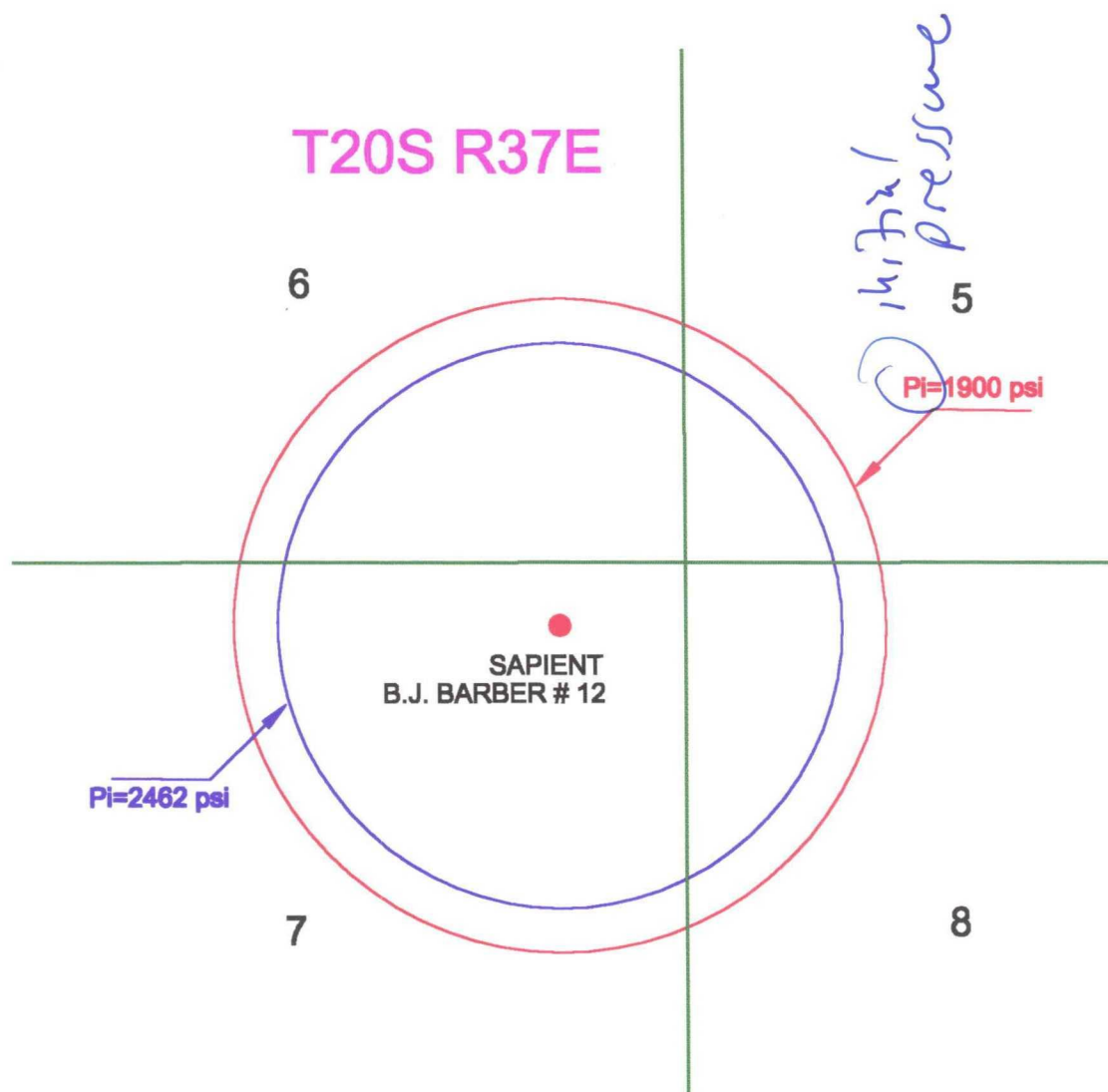


EXPLORATION PRODUCTION
AMERICAS

BEFORE THE OIL CONSERVATION
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SCALE: 1" = 1000'

● GAS PROD.

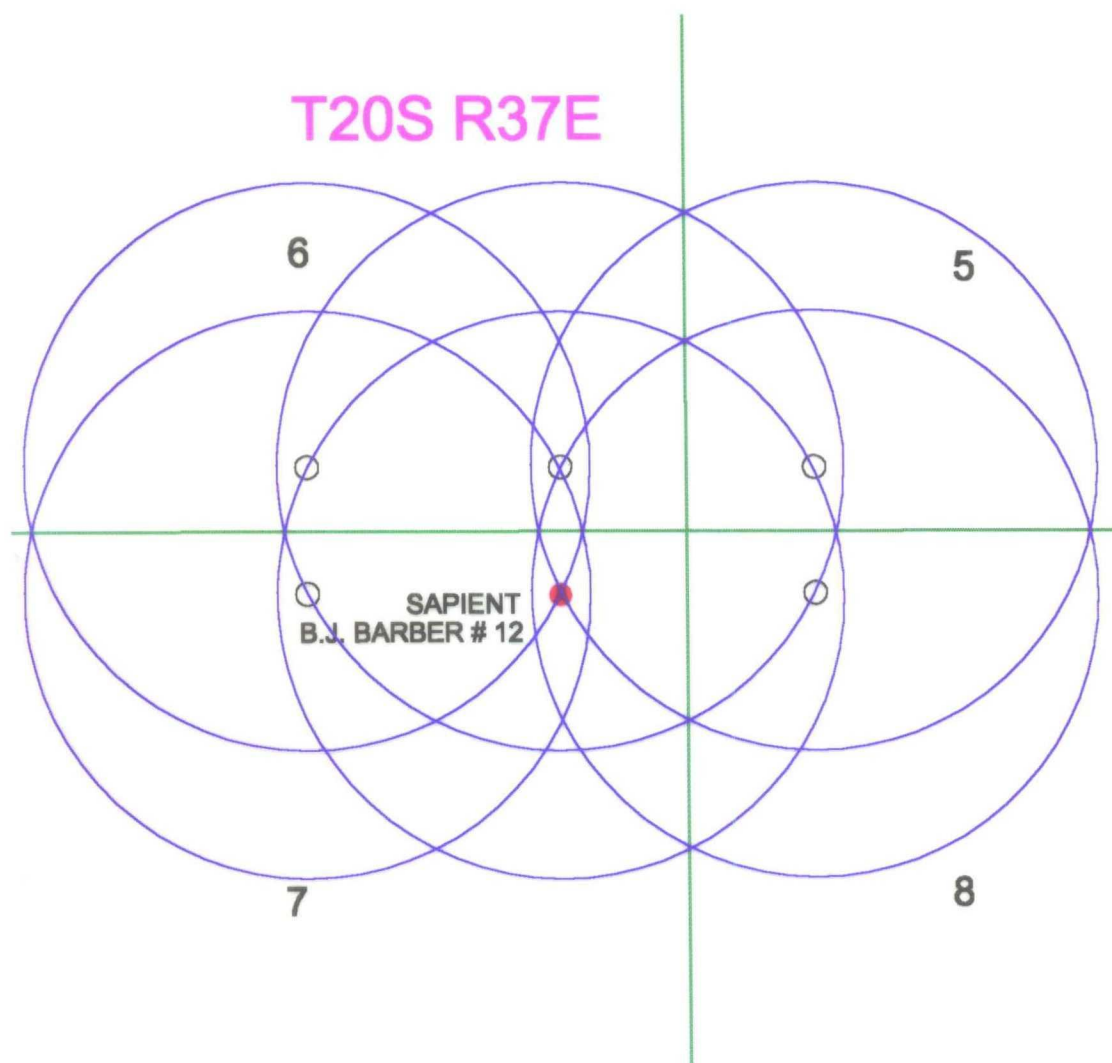


EXPLORATION PRODUCTION
AMERICAS

NMOCD HEARING EXHIBIT 10

SCALE: 1" = 1000'

- GAS PROD.
- POTENTIAL NEW DRILLS



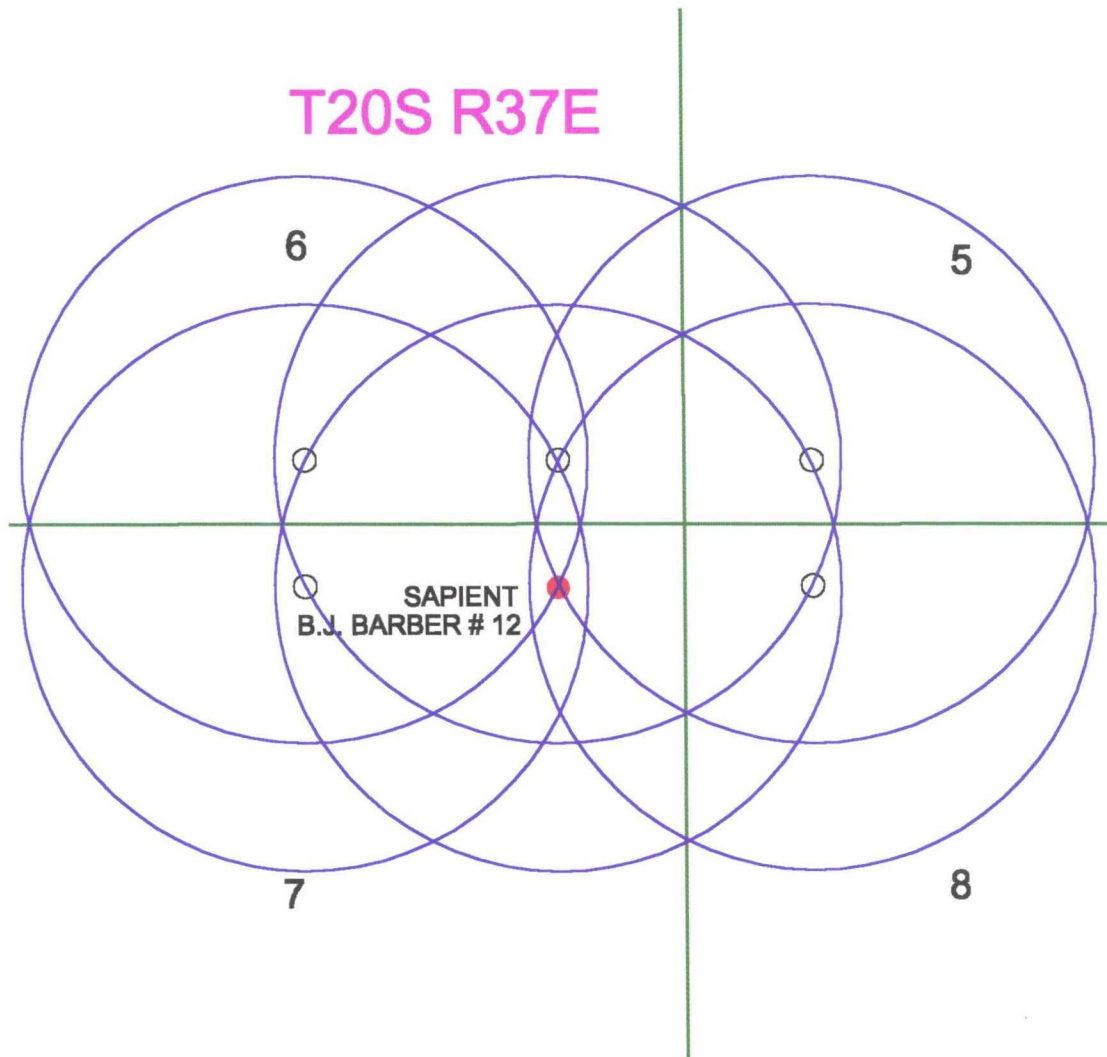
EXPLORATION PRODUCTION
AMERICAS

BEFORE THE OIL CONSERVATION
COMMISSION
Santa Fe, New Mexico
Case Nos. 12605/12587 de novo
Conoco/Chevron Exhibit No. 10
Hearing Date: November 6, 2001

3

SCALE: 1" = 1000'

● GAS PROD.
○ POTENTIAL
NEW DRILLS



EXPLORATION PRODUCTION
AMERICAS