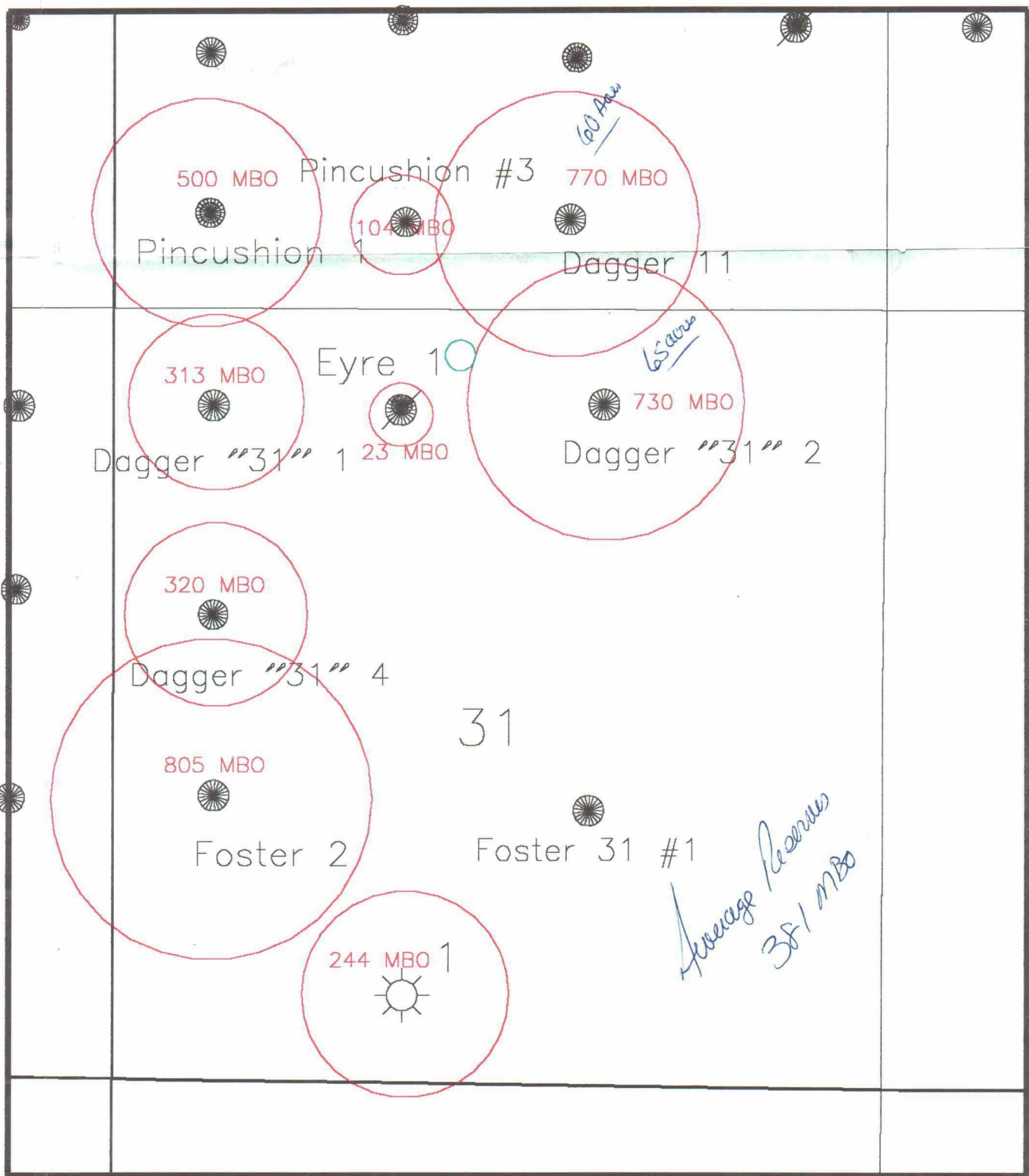




EUR'S SHOWN IN RED

CONOCO MIDLAND DIVISION

"BUBBLE MAP"
SHOWING DRAINAGE RADII

SCALE 1" = 1000'

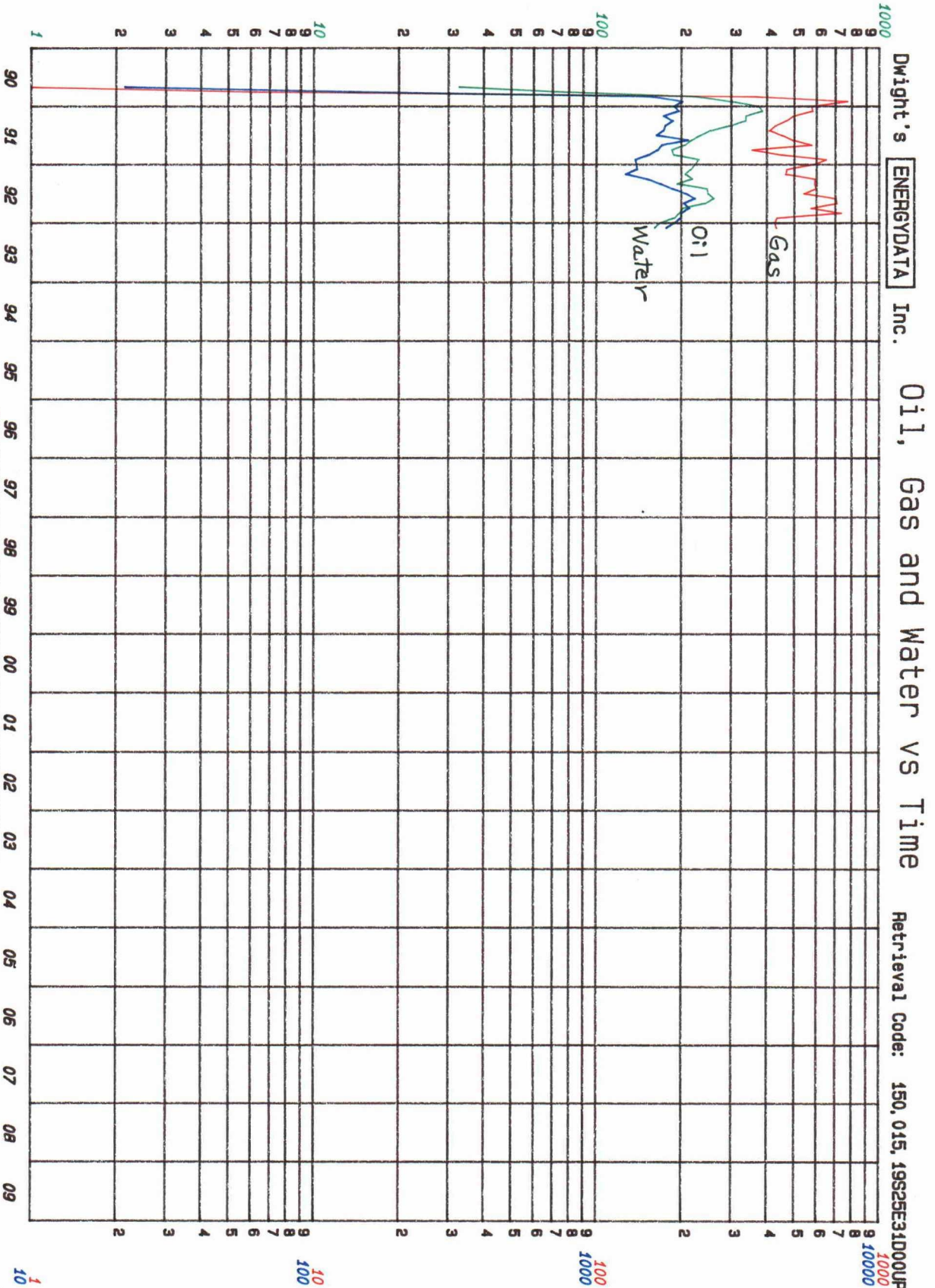
DRAWN MAJCHER

DRAWING

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

EXHIBIT NO. 9
CASE NO.: 10731
Submitted by: Conoco Inc.
Hearing Date: June 17, 1993

DAILY OIL PRODUCTION (BBL/DAY)



LEGEND

OIL ———
GAS ———
WATER ———

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

EXHIBIT NO. **10**

CASE NO.: 10731

Submitted by: Conoco Inc.

Hearing Date: June 17, 1993

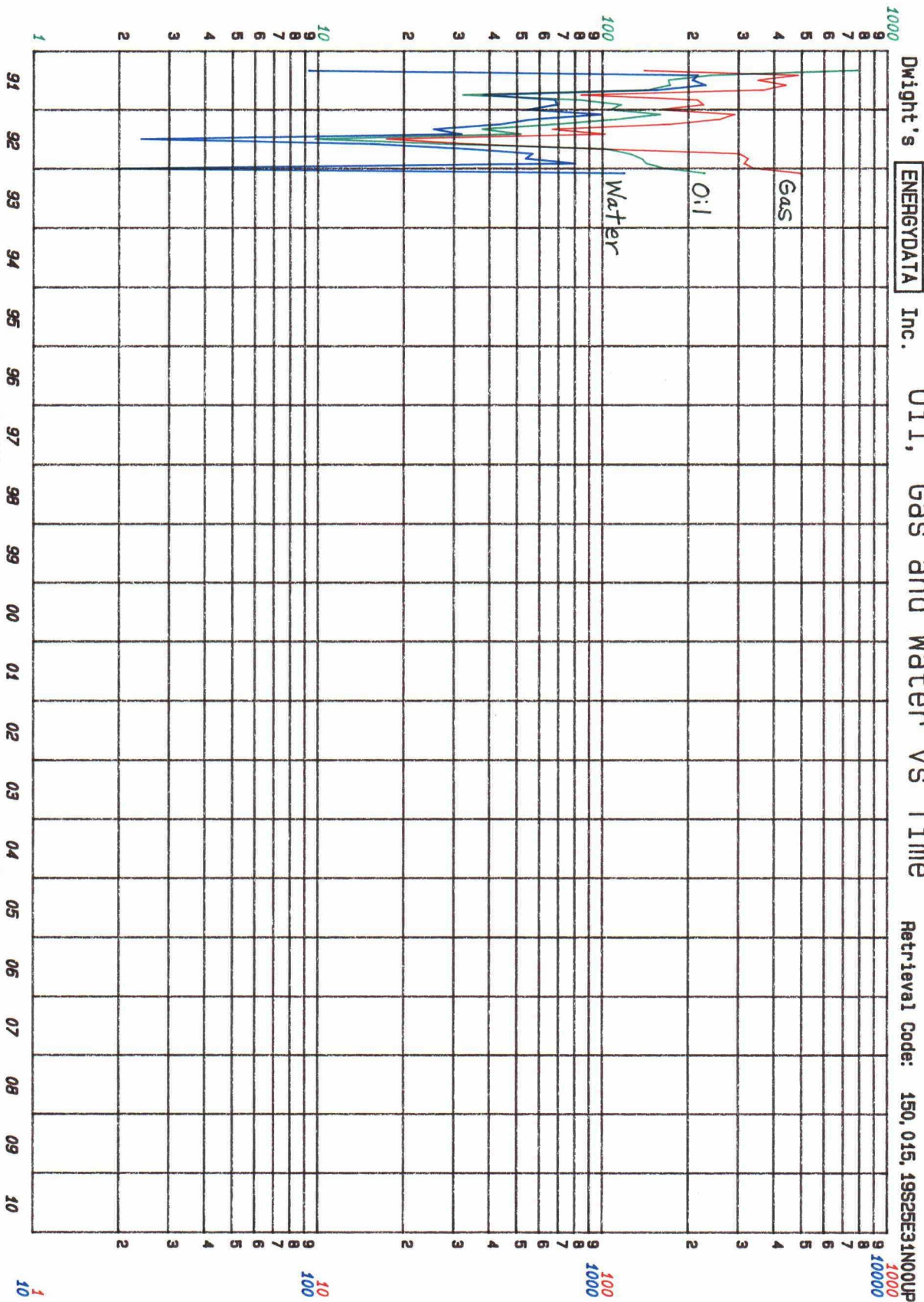
Lease: DAGGER DRAW 31 FEDERAL
Well #: 000001
Operator: NEARBURG PRODUCING CO
Field: DAGGER DRAW NORTH (UPPER PENN)
Reservoir: UPPER PENN
County: EDDY
Location: 31D 19S 25E NW

UP

DAILY WATER PRODUCTION (BBL/DAY)

DAILY GAS PRODUCTION (MCF/DAY)

DAILY OIL PRODUCTION (BBL/DAY)



Dwight's **ENERGYDATA** Inc. Oil, Gas and Water vs Time Retrieval Code: 150, 015, 19S25E31N00UP

LEGEND

- OIL — (green line)
- GAS — (red line)
- WATER — (blue line)

Lease: **FOSTER 31 FEDERAL**
 Well #: **000001**
 Operator: **NEARBURG PRODUCING CO**
 Field: **DAGGER DRAW NORTH (UPPER PENN)**
 Reservoir: **UPPER PENN**
 County: **EDDY** **NM**
 Location: **31N 19S 25E**

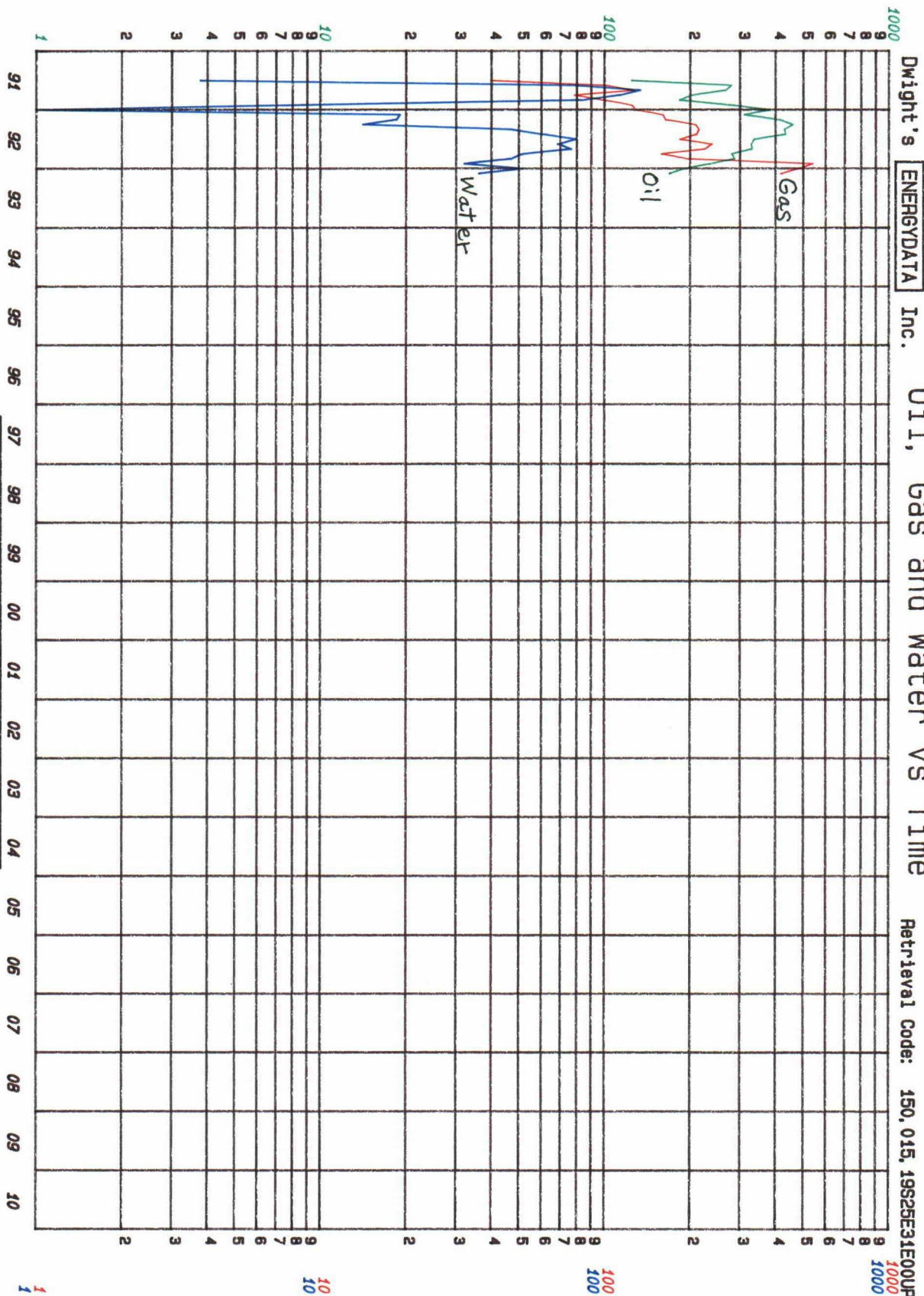
UP

DAILY WATER PRODUCTION (BBL/DAY) DAILY GAS PRODUCTION (MCF/DAY)

Date: 06-15-93

DAILY OIL PRODUCTION (BBL/DAY)

LEGEND	
OIL	—
GAS	—
WATER	—



Dwight's

ENERGYDATA

Inc.

Oil, Gas and Water vs Time

Retrieval Code:

150, 015, 19S25F31E00UP

DAILY WATER PRODUCTION (BBL/DAY)

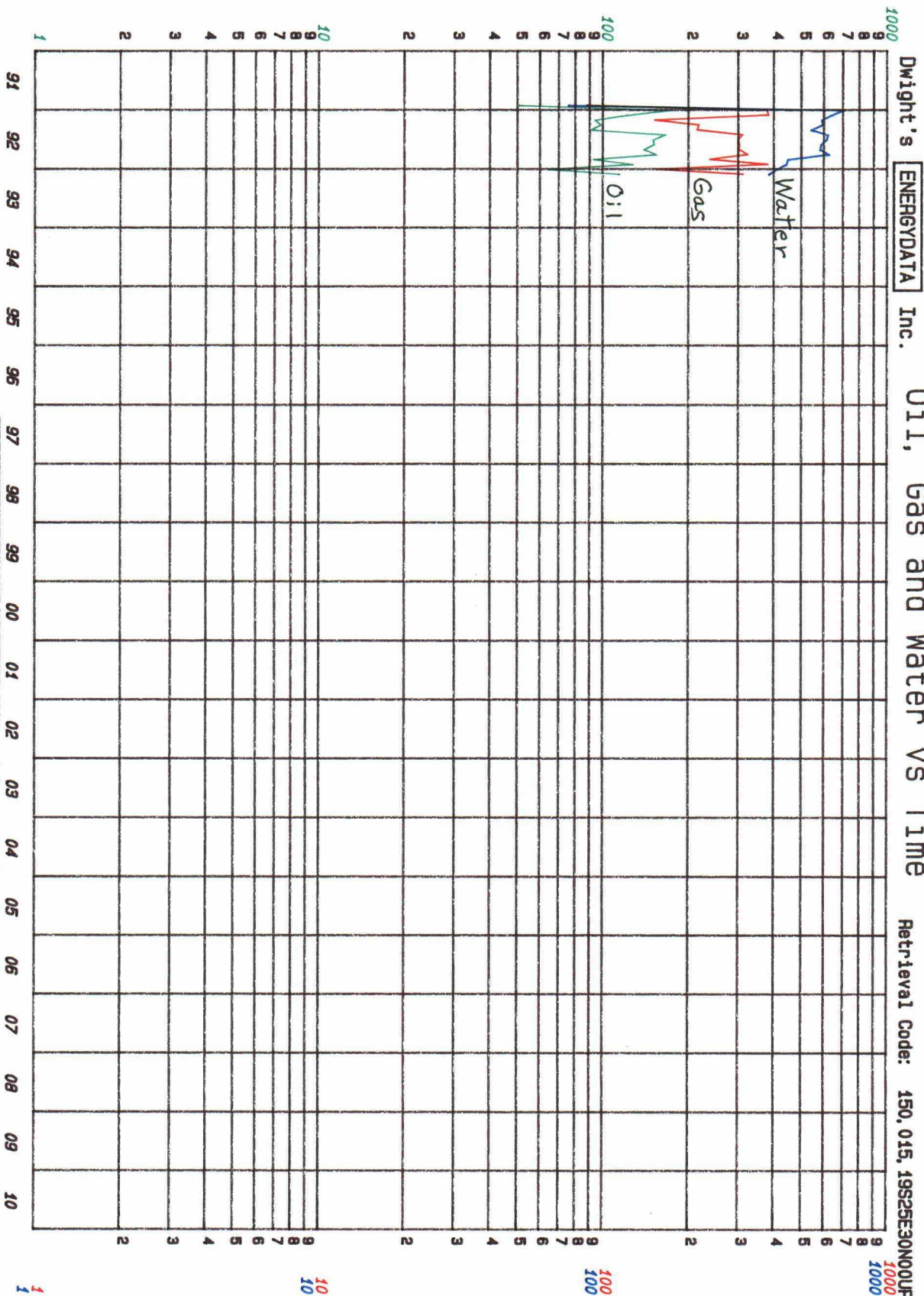
DAILY GAS PRODUCTION (MCF/DAY)

Lease: DAGGER DRAW 31 FEDERAL
Well #: 000004
Operator: NEARBURG PRODUCING CO
Field: DAGGER DRAW NORTH (UPPER PENN)
Reservoir: UPPER PENN
County: EDDY NM
Location: 31E 19S 25E

UP

Date: 06-15-93

DAILY OIL PRODUCTION (BBL/DAY)



LEGEND

OIL
GAS
WATER

Dwight's ENERGYDATA Inc.

Oil, Gas and Water vs Time

Retrieval Code: 150, 015, 19S25E30N00UP

Lease: PINCUSHION AHN

Well # 000003

Operator: YATES PETROLEUM CORP

Field: DAGGER DRAW NORTH (UPPER PENN)

Reservoir: UPPER PENN

County: EDDY

Location: 30N 19S 25E

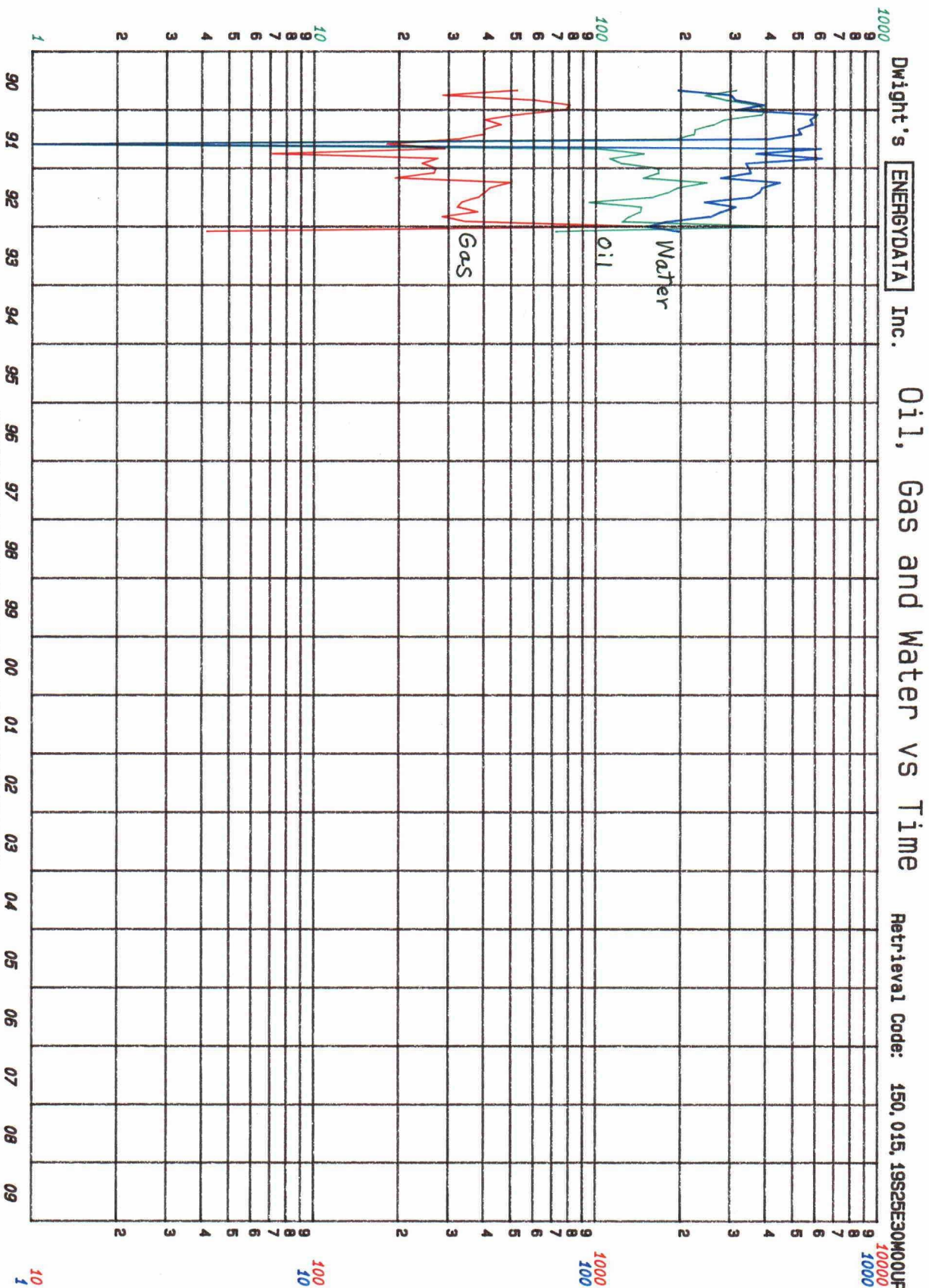
UP

DAILY WATER PRODUCTION (BBL/DAY)

DAILY GAS PRODUCTION (MCF/DAY)

Date: 06-15-93

DAILY OIL PRODUCTION (BBL/DAY)



Dwight's ENERGYDATA Inc.

Oil, Gas and Water vs Time

Retrieval Code: 150, 015, 19S25E30M00UP

LEGEND

OIL ———
GAS ———
WATER ———

DAILY WATER PRODUCTION (BBL/DAY)

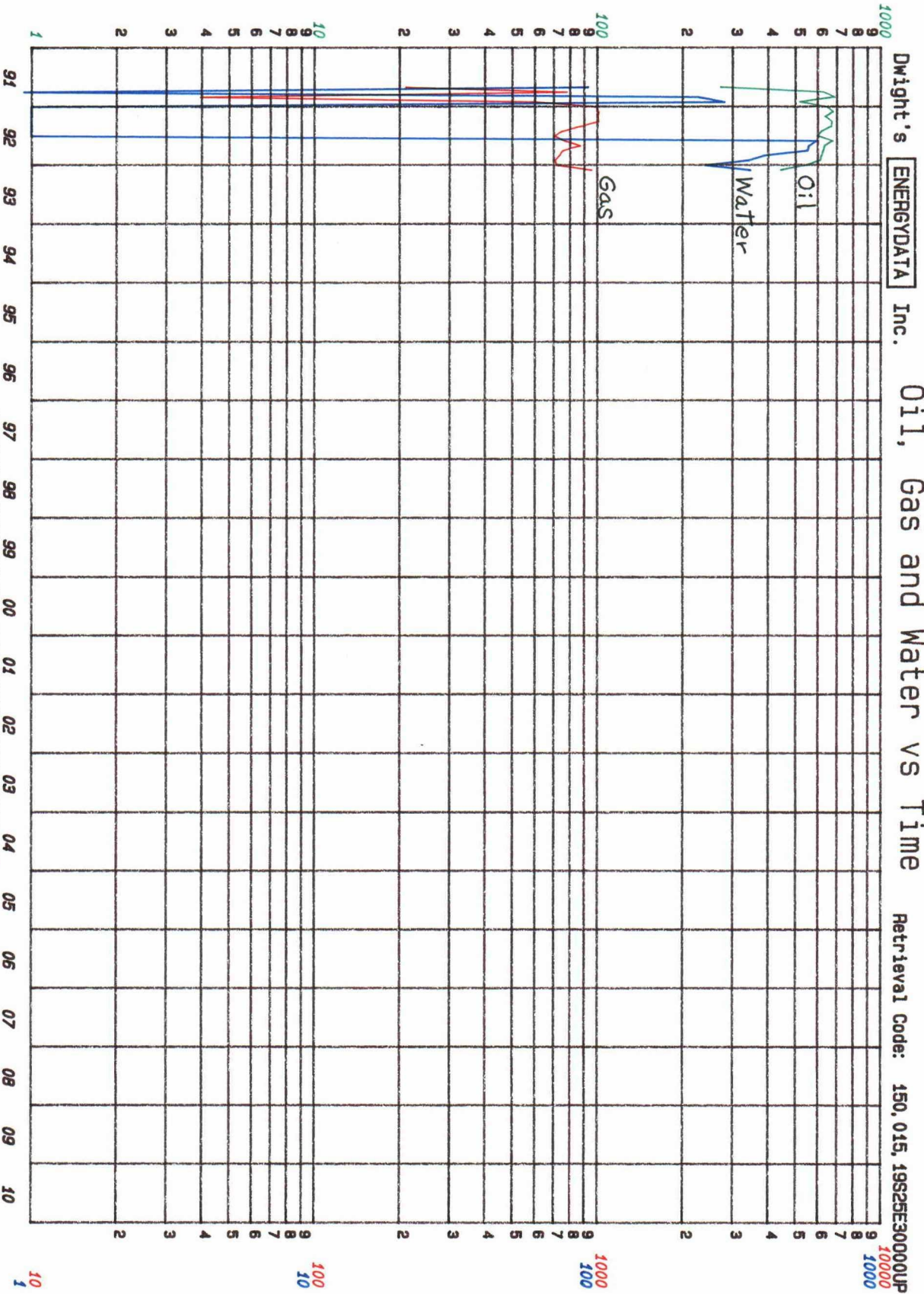
DAILY GAS PRODUCTION (MCF/DAY)

Lease: PINCUSHTON AHN
Well #: 000001
Operator: YATES PETROLEUM CORP
Field: DAGGER DRAW NORTH (UPPER PENN)
Reservoir: UPPER PENN
County: EDDY NM
Location: 30W 19S 25E

UP

Date: 06-15-93

DAILY OIL PRODUCTION (BBL/DAY)



Dwight's ENERGYDATA Inc. Oil, Gas and Water vs Time Retrieval Code: 150, 015, 19S25E30000UP

LEGEND

- OIL
- GAS
- WATER

Lease: DAGGER DRAW
 Well #: 000011
 Operator: CONOCO INC
 Field: DAGGER DRAW NORTH (UPPER PENN)
 Reservoir: UPPER PENN
 County: EDDY NM
 Location: 300 19S 25E

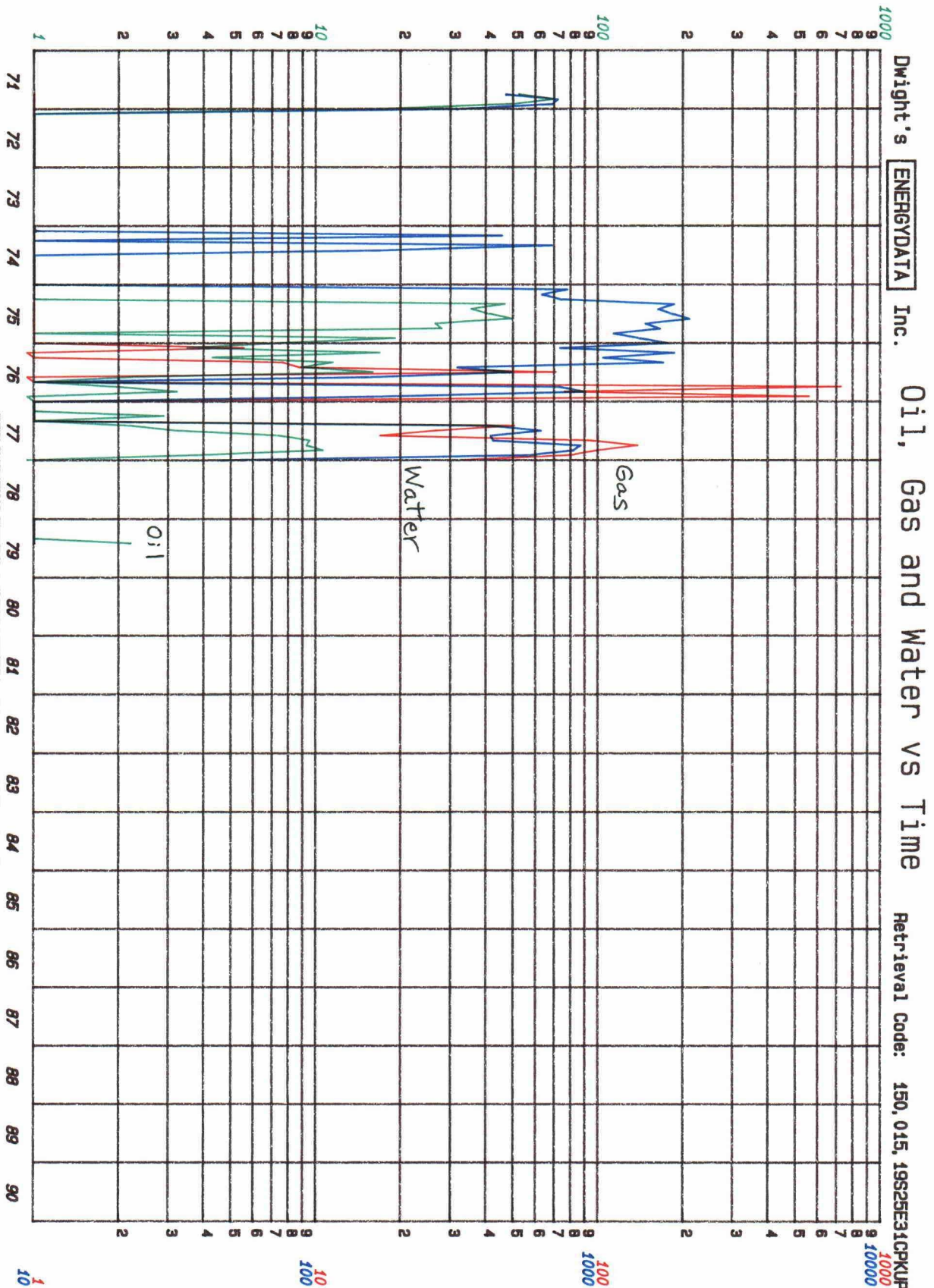
UP

Date: 06-15-93

DAILY WATER PRODUCTION (BBL/DAY) DAILY GAS PRODUCTION (MCF/DAY)

DAILY OIL PRODUCTION (BBL/DAY)

LEGEND	
OIL	—
GAS	—
WATER	—



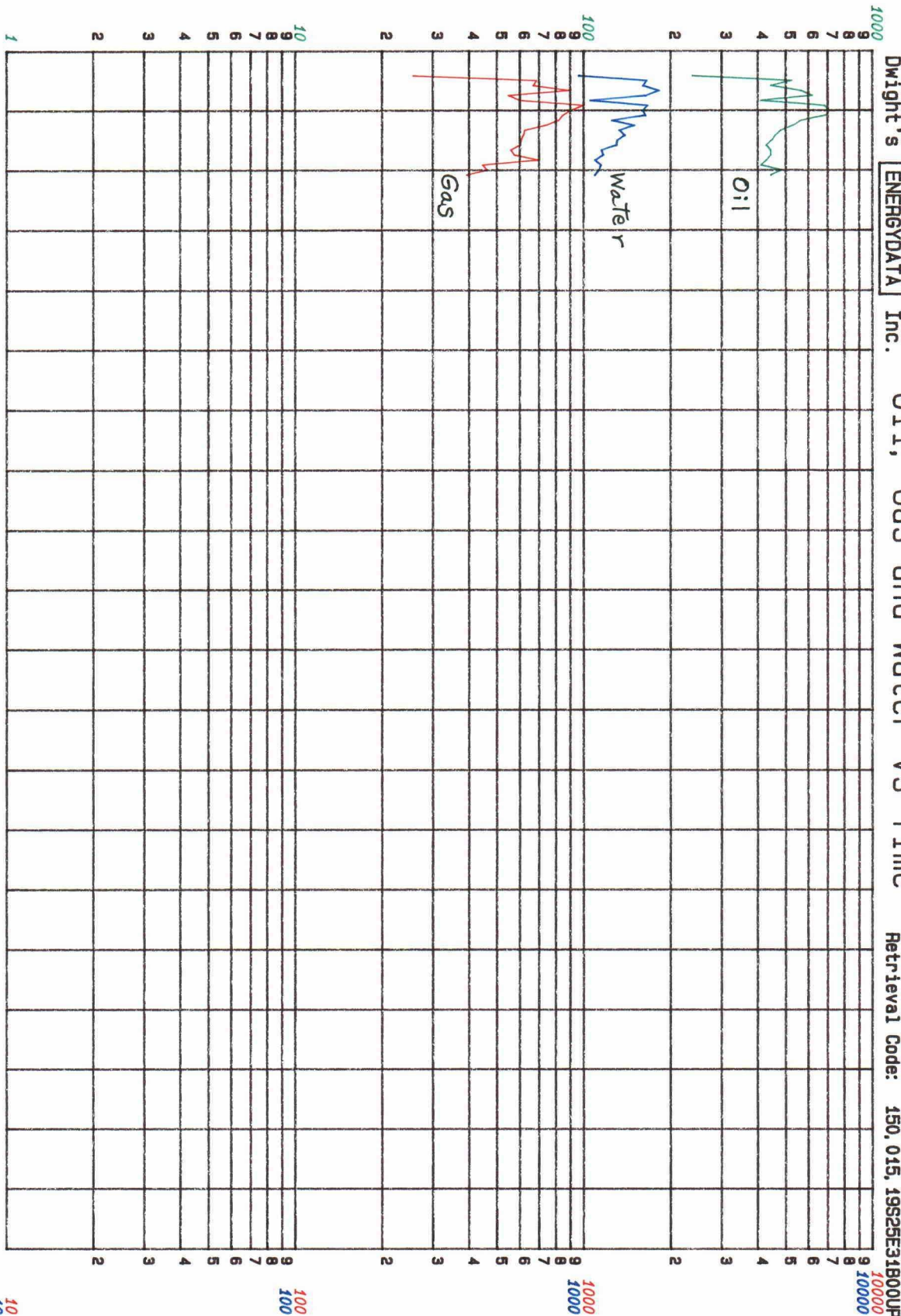
DAILY WATER PRODUCTION (BBL/DAY) DAILY GAS PRODUCTION (MCF/DAY)

Lease: KATHY EYRE FEDERAL
 Well # 000004
 Operator: HANKS ROGER C INC LTD
 Field: DAGGER DRAW NORTH (UPPER PENN)
 Reservoir: UPPER PENN
 County: EDDY NW
 Location: 31C 19S 25E

UP

Date: 06-15-93

DAILY OIL PRODUCTION (BBL/DAY)



Dwight's ENERGY DATA Inc.

Oil, Gas and Water vs Time

Retrieval Code: 150, 015, 19S25E31B00UP

LEGEND

OIL
GAS
WATER

Lease: DAGGER DRAW 31 FEDERAL
Well # 000002
Operator: NEARBURG PRODUCING CO
Field: DAGGER DRAW NORTH (UPPER PENN)
Reservoir: UPPER PENN
County: EDDY NM
Location: 31B 19S 25E

UP

DAILY WATER PRODUCTION (BBL/DAY) DAILY GAS PRODUCTION (MCF/DAY)

Date: 06-15-93

**DAGGER DRAW AREA - CISCO CANYON DEVELOPMENT WELL
MINIMUM ECONOMIC RESERVES ESTIMATE**

ECONOMIC PARAMETERS

- * \$780,000 Completed Well Costs (inc. beam pump P&I)
- * \$150,000/year Operating Costs
- * 2100 SCF/STB Gas-Oil Ratio
- * 18% Rate-of-Return used as hurdle
- * \$19.00/STB Oil Price (1993) escalated at 4.5% annually
- * \$1.92/MSCF Gas Price (1993) escalated at 4.5% annually
- * 25% Annual Production Decline Rate

Economic Results

- * Economic I.P. Rates = 93 BOPD, 195 MCFGD
- * Economic Reserves = 102 MBO, 210 MMCFG
- * Rate of Return = 18%
- * Discounted Payback Period = 4 years
- * Net Present Value = \$78,000

**BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION**

EXHIBIT NO. 11
CASE NO.: 10731
Submitted by: Conoco Inc.
Hearing Date: June 17, 1993

**DAGGER DRAW AREA - CISCO CANYON DEVELOPMENT WELL
AVERAGE WELL ECONOMIC ESTIMATE - S/2 SEC 30**

ECONOMIC PARAMETERS

- * 381 MBO, 800 MMCFG Reserves
- * 425 BOPD, 890 MCFD 1st Year Ave Rates
- * \$660,000 Completed Well Costs
- * \$200,000/year Operating Costs
- * 2100 SCF/STB Gas-Oil Ratio
- * 87.5% Working Interest
- * \$17.78/STB Oil Price (1993), \$20.83/STB Ave over Project Life
- * \$2.00/MSCF Gas Price (1993), \$2.63/MSCF Ave over Project Life
- * 36% Annual Production Decline Rate

Economic Results

- * Rate of Return = + 200 %
- * Net Present Value = \$2,872,000
- * Profitability Index = 5.35
- * Discounted Payback Period = 0.42 years
- * Project Life = 8 years

**BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION**

EXHIBIT NO. 12
CASE NO.: 10731
Submitted by: Conoco Inc.
Hearing Date: June 17, 1993