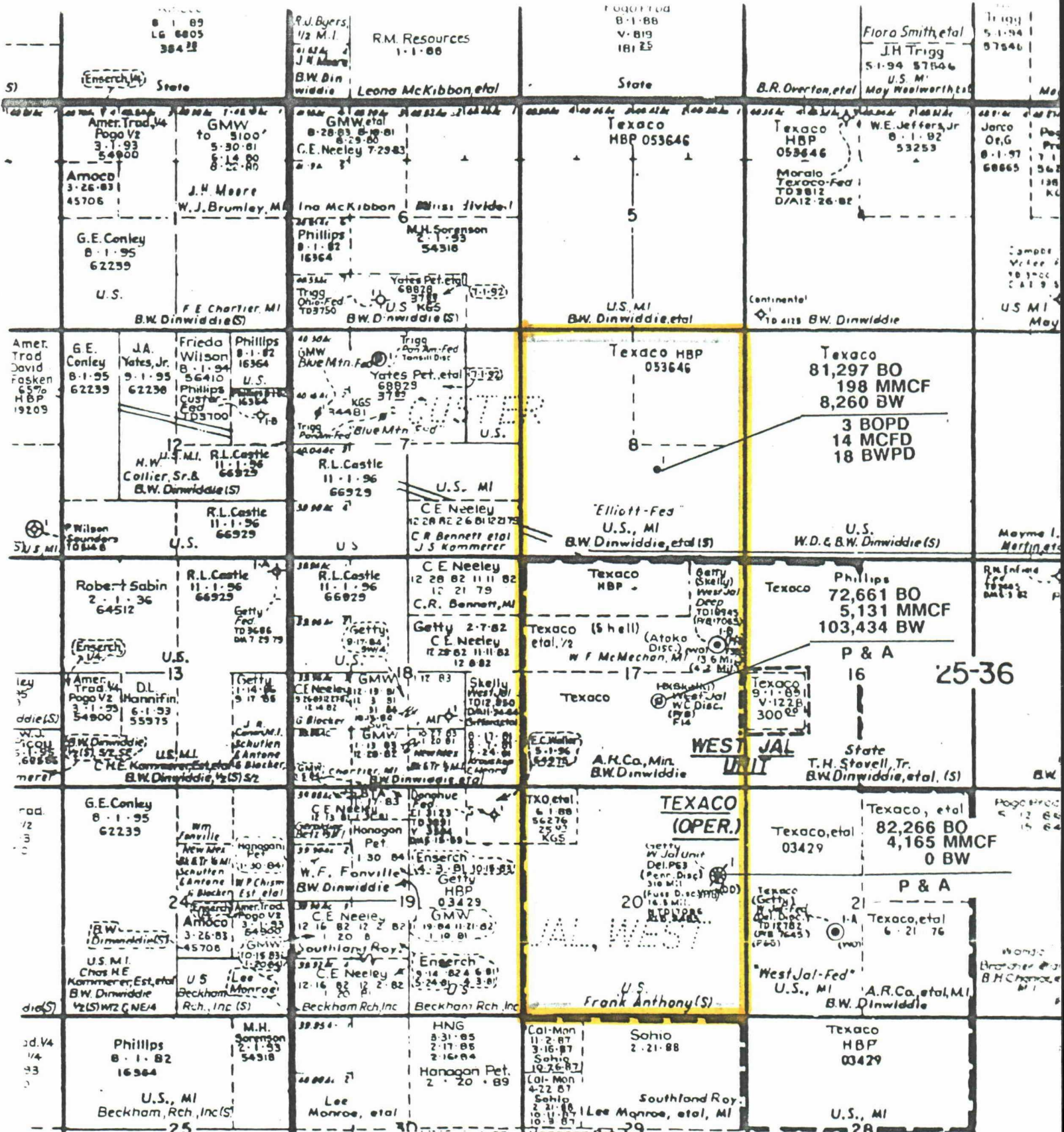




## JAL STRAWN, WEST POOL

SEC. 8, 17, 20 T-25-S R-36-E

CUM. PROD. (THRU 12-31-88)

PRES. PROD. (MARCH, 1989)

CASE 9674 EX 1

WEST JAL "B" WELL NO. 1  
DRAINAGE CALCULATIONS

$$\text{Reserves} = 43560 (h) (\phi) (1 - S_w) (\text{Area}) (B_{gi} - B_{gab})$$

$$B_{gi} = 35.35 \left( \frac{P_i}{Z_i T} \right) \quad B_{gab} = 35.35 \left( \frac{P_{ab}}{Z_{ab} T} \right)$$

$$\frac{P_i}{Z_i} = 6234 \quad B_{gi} = \frac{6234 \times 35.35}{608} = 362.45$$

$$\frac{P_{ab}}{Z_{ab}} = 2900 \quad B_{gab} = \frac{2900 \times 35.35}{608} = 168.61$$

$$5,131,509,000 = 43560 (33') (.09) (1 - .35) (A) (362.45 - 168.61)$$

$$A = \pi r^2$$

$$r = 2089.2'$$

$$A = \frac{(\pi) (2089.2)^2}{43560}$$

$$= 314.8 \text{ Acres}$$

CASE 9674  
EX 2

WEST JAL UNIT WELL NO. 1  
DRAINAGE CALCULATION

$$\text{Reserves} = 43560 (h) (\phi) (1 - S_w) (\text{Area}) (B_{gi} - B_{gab})$$

$$B_{gi} = 35.35 \left( \frac{P_i}{Z_i T} \right) \quad B_{gab} = 35.35 \left( \frac{P_f}{Z_{ab} T} \right)$$

$$\frac{P_i}{Z_i} = 6245 \quad B_{gi} = \frac{6245 \times 35.35}{608} = 363.09 \text{ SCF/FT}^3$$

$$\frac{P_{ab}}{Z_{ab}} = 3618 \quad B_{gab} = \frac{3618 \times 35.35}{608} = 210.36 \text{ SCF/FT}^3$$

$$4,165,729,000 = 43560 (55') (.09) (1 - .30) (A) (363.09 - 210.36)$$

$$A = \pi r^2$$

$$r = 1582.9'$$

$$A = \frac{(\pi) (1582.9)^2}{43560}$$

$$= 180.7 \text{ Acres}$$



NEW MEXICO REGION

PRODUCTION VS TIME

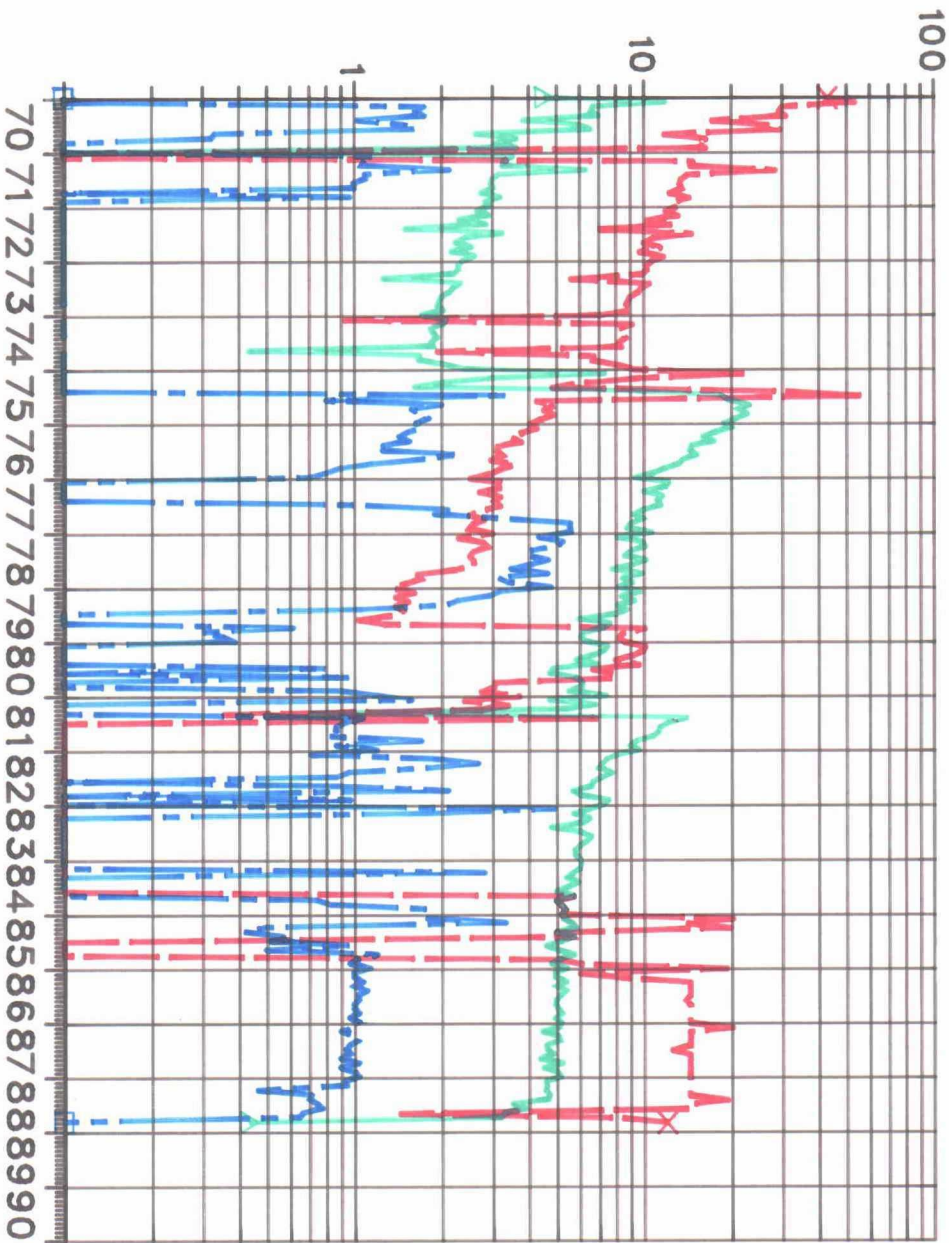
89-05-19

STATE: NEW MEXICO  
REG. DIST: HOBBS/SE  
COUNTY: LEA  
FLD: JAL, WEST  
ZONE: STRAWN pennsylvanian

PROP: C ELLIOTT FEDERAL 13:40:48  
PROP NO: 200800 WNUM: 001  
LOCATION: 25S 36E 8J  
OPER: TEXACO INCORPORATED  
WLSER: 25S36E08JPS

UPPER PERF:N/A  
LOWER PERF:N/A

PRODUCTION PER DAY



CUM. TOTALS  
THRU 11/30/88  
CRUDE: 81201  
GAS : 197675  
WATER: 8214

△ CRUDE (BBLS)  
× GAS (MCF)  
□ WATER (BBLS)

NEW MEXICO REGION

PRODUCTION VS TIME

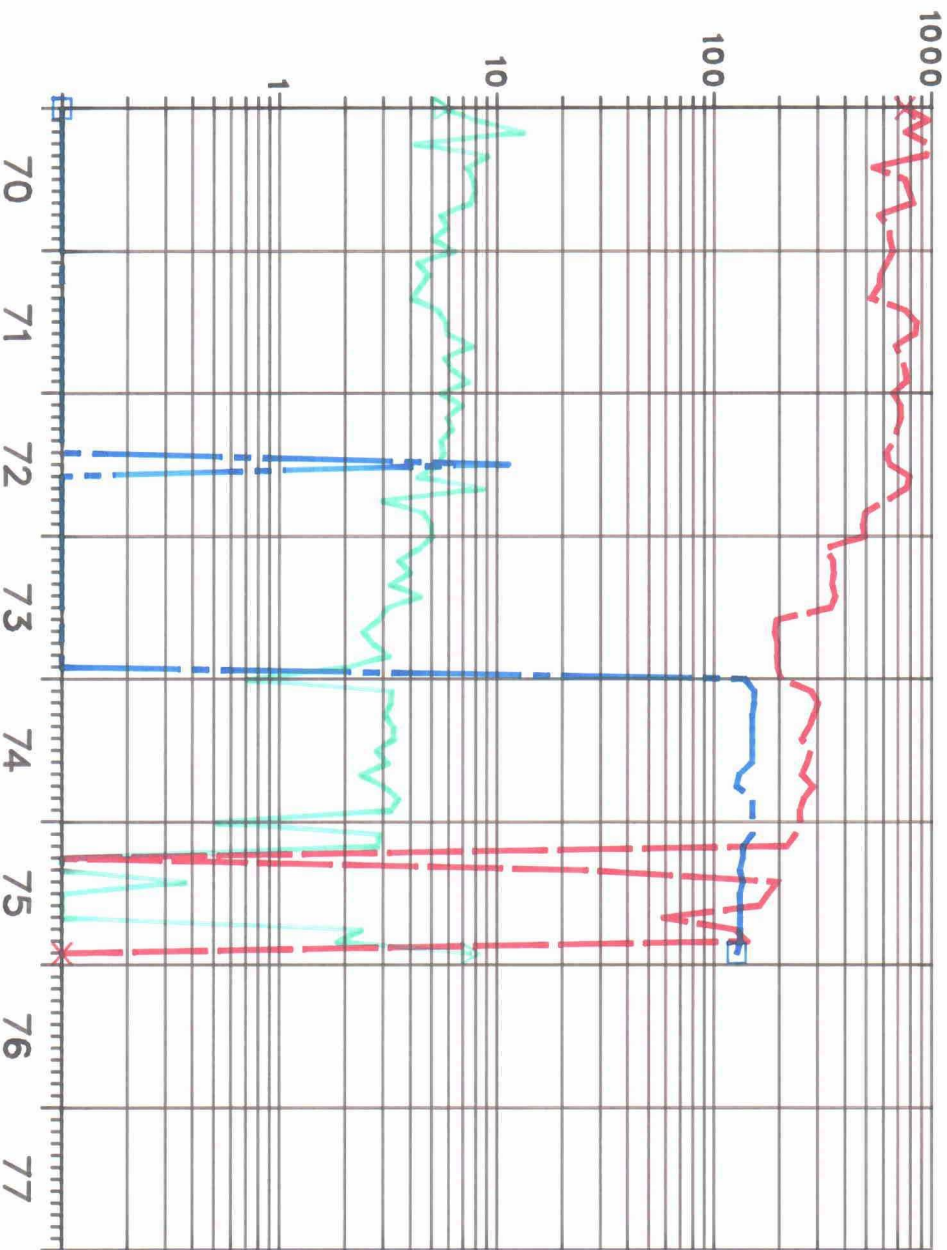
89-05-19

STATE: NEW MEXICO  
REG. DIST: HOBBS/SE  
COUNTY: LEA  
FLD: JAL. WEST  
ZONE: STRAWN pennsylvanian

PROP: WEST JAL B 13:40:48  
PROP NO: 358750 WNUM: 001  
LOCATION: 25S 36E 17 J  
OPER: SKELLY OIL COMPANY  
WLSER: 25S36E17JPS

UPPER PERF:N/A  
LOWER PERF:N/A

# PRODUCTION PER DAY



CUM. TOTALS  
THRU 12/31/75  
CRUDE: 72661  
GAS : 5131509  
WATER: 49521

△ CRUDE (BBLS)  
× GAS (MCF)  
□ WATER (BBLS)

QM29ABC

# NEW MEXICO REGION

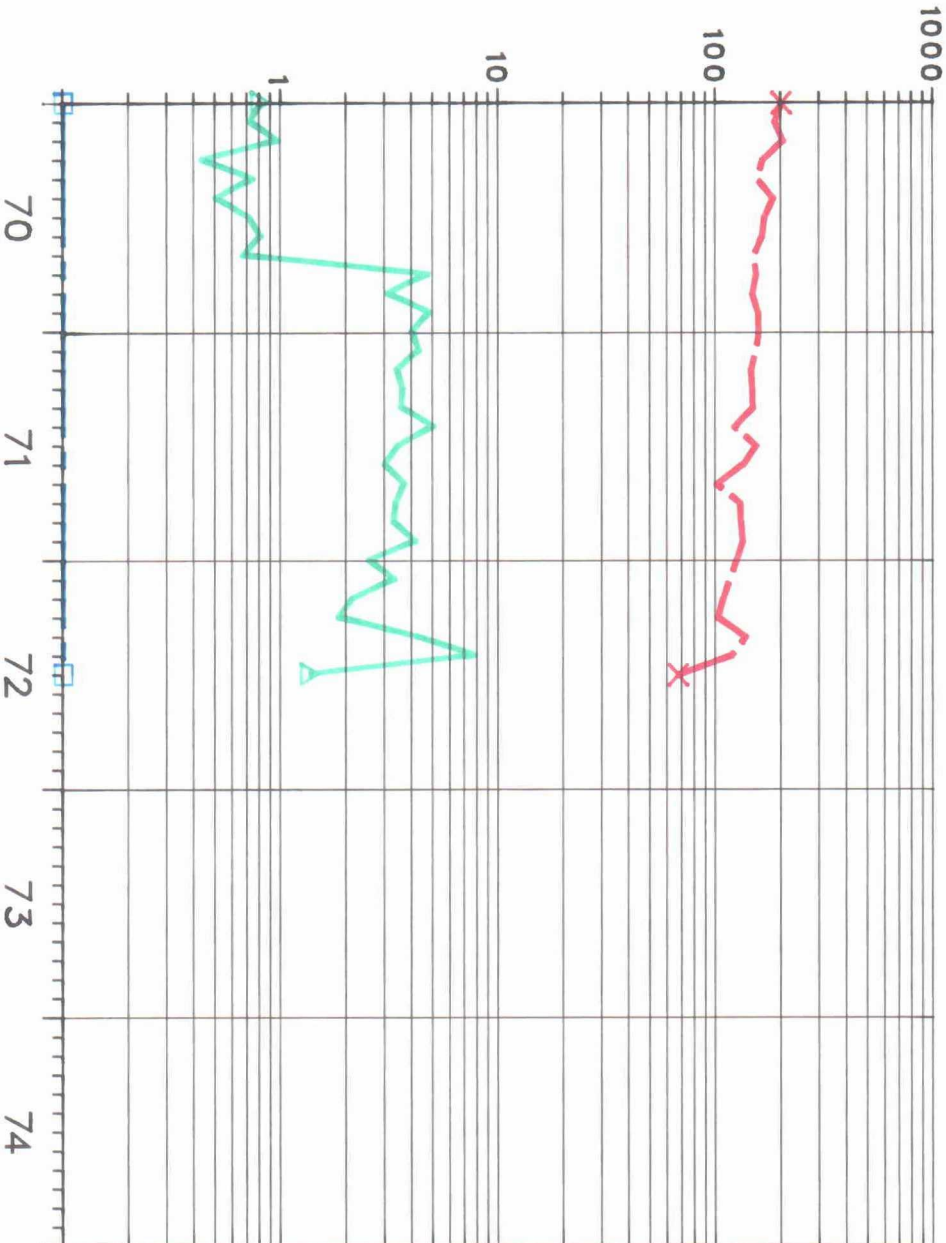
# PRODUCTION VS TIME

89-05-19

STATE: NEW MEXICO  
REG. DIST: HOBBS/SE  
COUNTY: LEA  
FLD: JAL, WEST  
ZONE: STRAWN pennsylvanian

PROP: WEST JAL UNIT 13:40:48  
PROP NO: 358770 WNUM: 001  
LOCATION: 25S 36E 20 H  
OPER: SKELLY OIL COMPANY  
WLSER: 25S36E20HPS

## PRODUCTION PER DAY



UPPER PERF:N/A  
LOWER PERF:N/A

CUM. TOTALS  
THRU 7/31/72  
CRUDE: 82266  
GAS : 4165729  
WATER: 0

△ CRUDE (BBLS)  
× GAS (MCF)  
□ WATER (BBLs)

QM29ABC

NEW MEXICO REGION

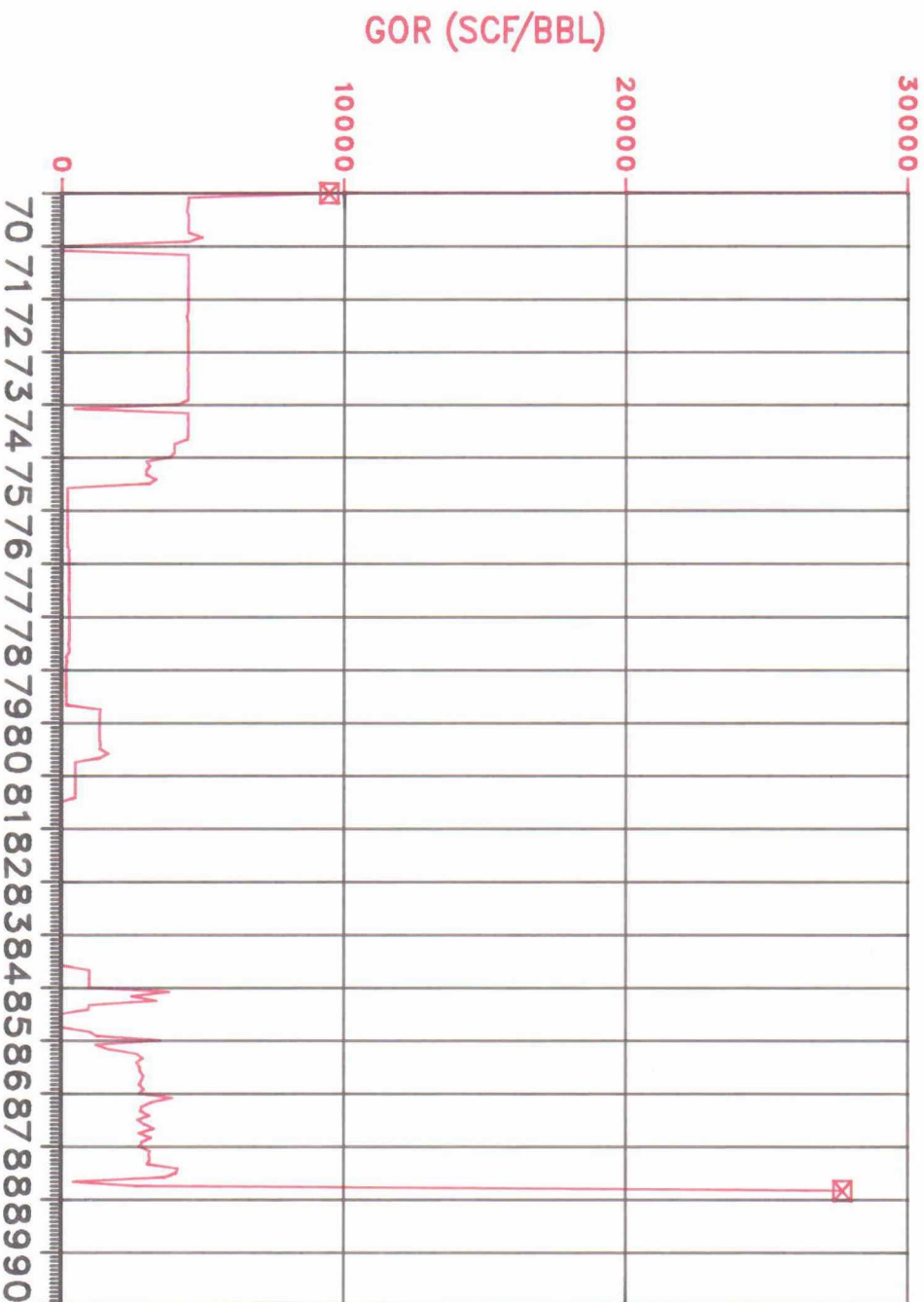
PRODUCED GOR VS TIME

89-05-22

STATE: NEW MEXICO  
REG. DIST: HOBBS/SE  
COUNTY: LEA  
FLD: JAL, WEST  
ZONE: STRAWN pennsylvanian

PROP: C ELLIOTT FEDERAL 12:01:25  
PROP NO: 200800 WNUM: 001  
LOCATION: 25S 36E 8 J  
OPER: TEXACO INCORPORATED  
WLSER: 25S36E08JPS

UPPER PERF:N/A  
LOWER PERF:N/A



CASE 9674

EX 4

QM29ABC



NEW MEXICO REGION

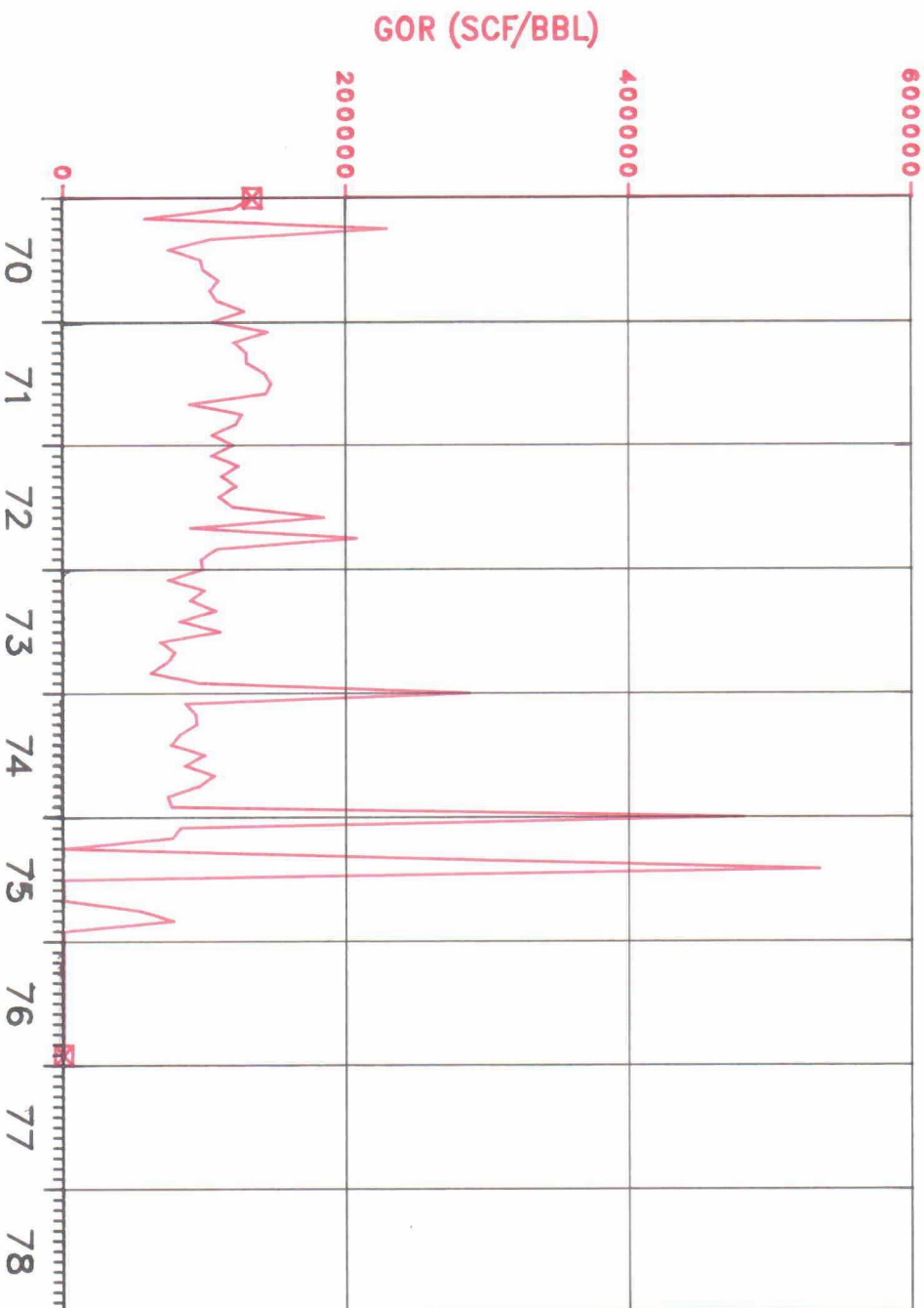
PRODUCED GOR VS TIME

89-05-22

STATE: NEW MEXICO  
REG. DIST: HOBBS/SE  
COUNTY: LEA  
FLD: JAL, WEST  
ZONE: STRAWN pennsylvanian

PROP: WEST JAL B 12:01:25  
PROP NO: 358750 WNUM: 001  
LOCATION: 25S 36E 17J  
OPER: SKELLY OIL COMPANY  
WLSER: 25S36E17JPS

UPPER PERF:N/A  
LOWER PERF:N/A



QM29ABC



NEW MEXICO REGION

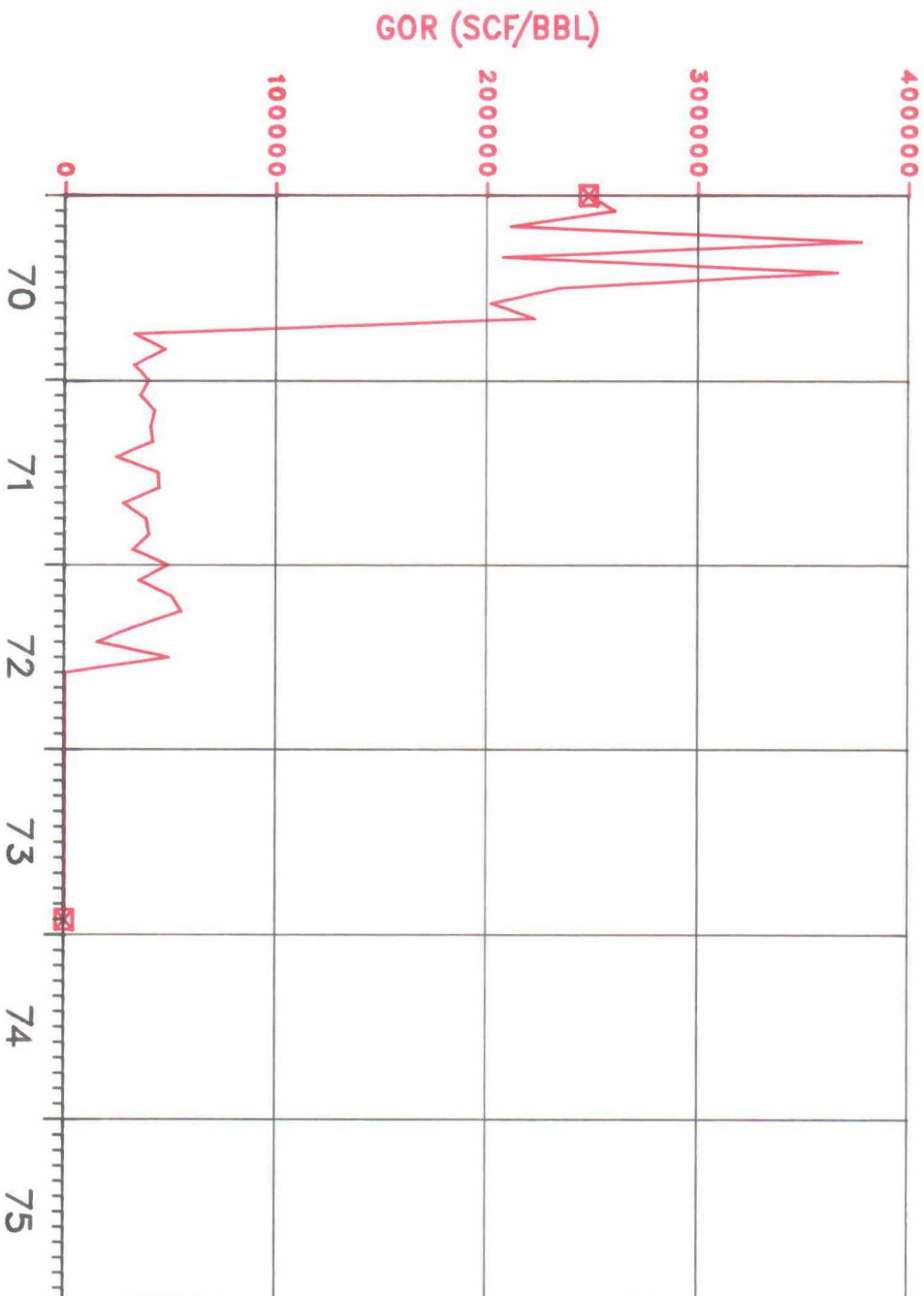
PRODUCED GOR VS TIME

89-05-22

STATE: NEW MEXICO  
REG. DIST: HOBBS/SE  
COUNTY: LEA  
FLD: JAL, WEST  
ZONE: STRAWN pennsylvanian

PROP: WEST JAL UNIT 12:01:25  
PROP NO: 358770 WNUM: 001  
LOCATION: 25S 36E 20 H  
OPER: SKELLY OIL COMPANY  
WLSER: 25S36E20HPS

UPPER PERF:N/A  
LOWER PERF:N/A



QM29ABC