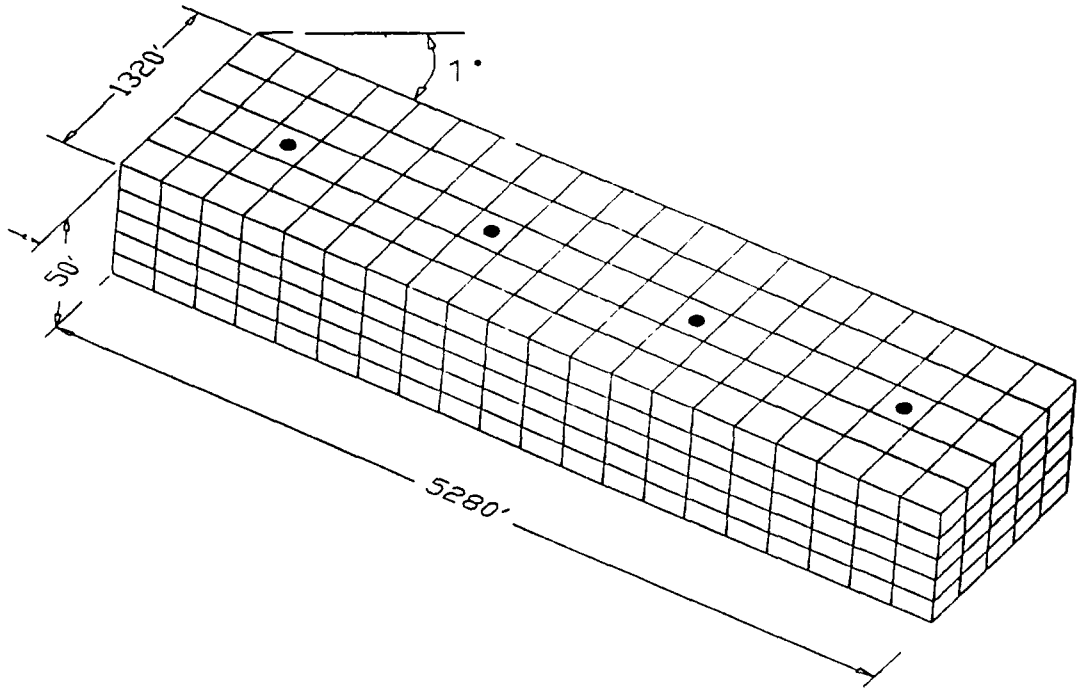
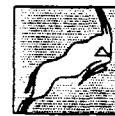


MODEL GRID  
EAST LOVING DELAWARE FIELD  
EDDY COUNTY, NEW MEXICO



NEW MEXICO DEPARTMENT OF ENERGY AND MINES  
REGULATORY DIVISION  
ORYX EXHIBIT NO. 6  
10226



ORYX

Oryx Energy Company

NMOCD CASE NO. 10226  
FEBRUARY 21, 1991  
EXHIBIT NO. \_\_\_\_\_

EAST LOVING DELAWARE FIELD  
RESERVOIR SIMULATION STUDY

RESERVOIR CONDITIONS AND PROPERTIES

Initial Pressure	2852 PSIA
Initial Saturation Pressure	2852 PSIA
Temperature	115° F
Porosity (Average)	16%
Net Pay (Average)	50 Ft.
Irreducible Water Saturation	17%
Residual Oil Saturation	18%
Critical Gas Saturation	2.0%
OOIP	3857 MSTBO (160 Acres)
Rock Compressibility	$4 \times 10^{-6}$ 1/PSI
Permeability (Log Average)	3.2 MD

FLUID PROPERTIES

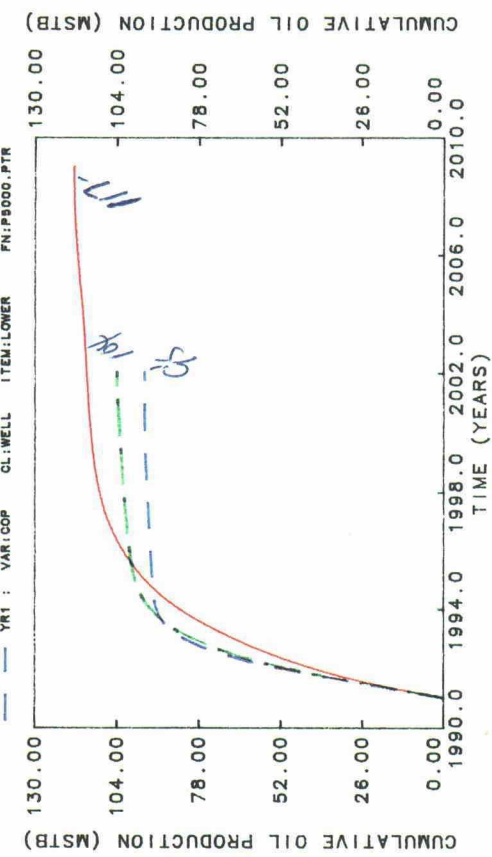
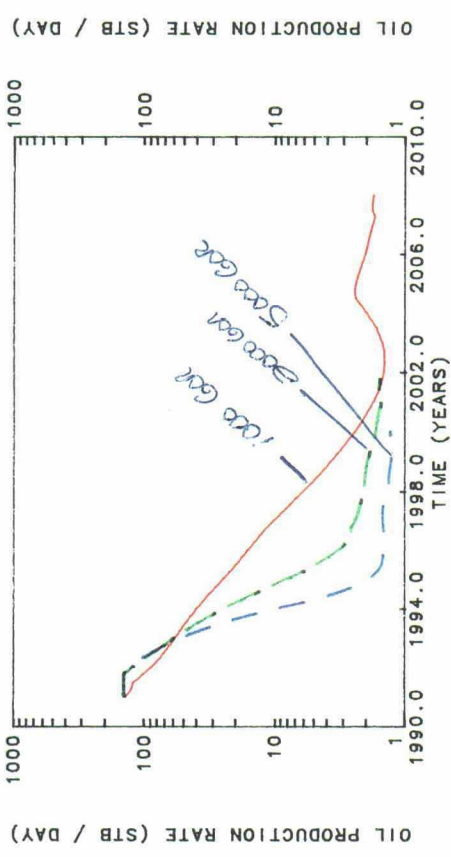
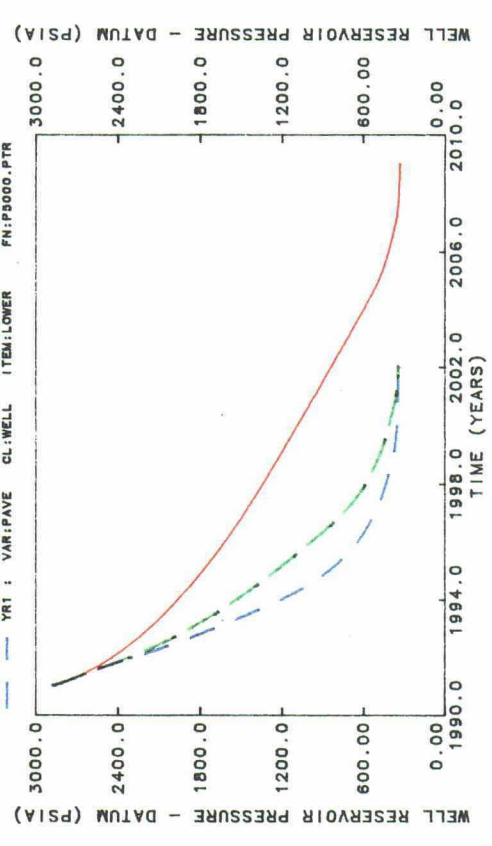
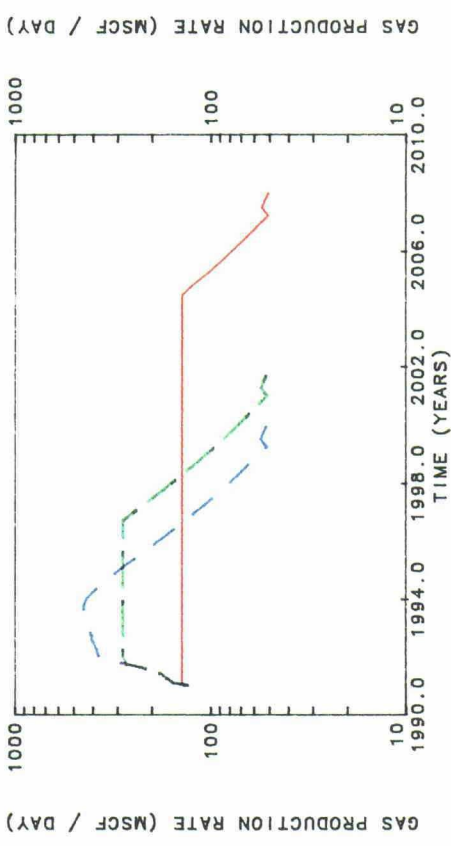
CIL

Initial Saturation Pressure	2852 PSIA
Initial FVF	1.59 RB/STB
Initial Solution Gas-Oil Ratio	1122 SCF/STB

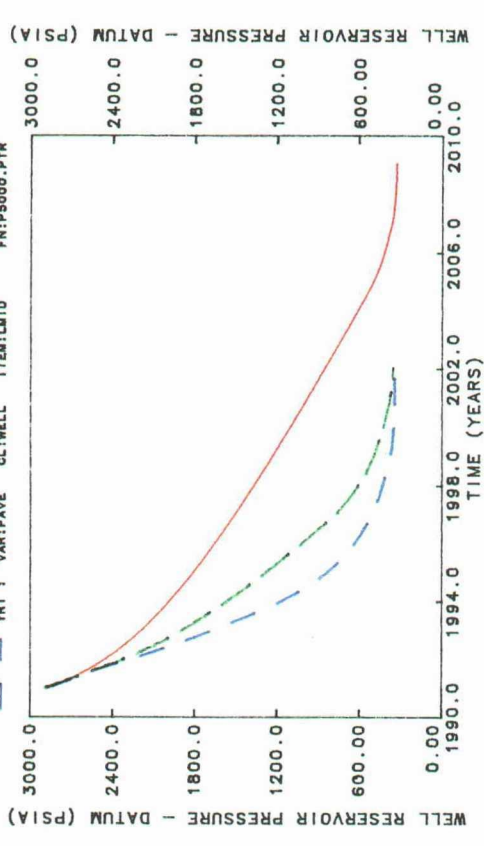
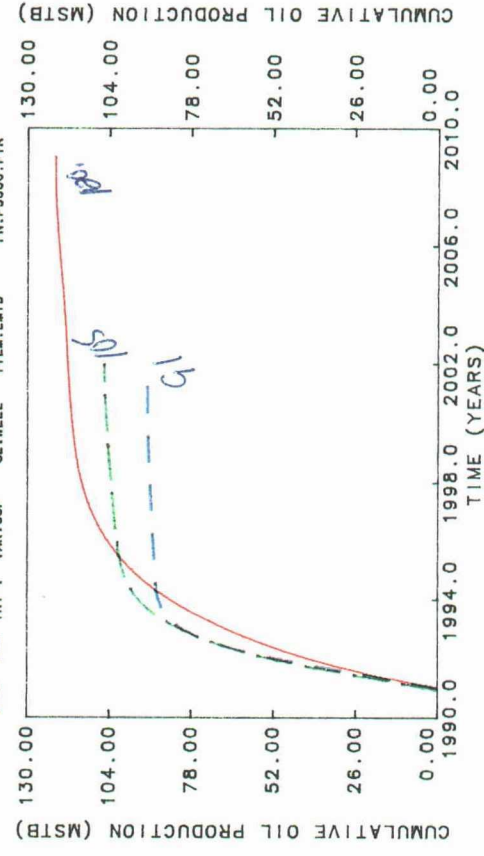
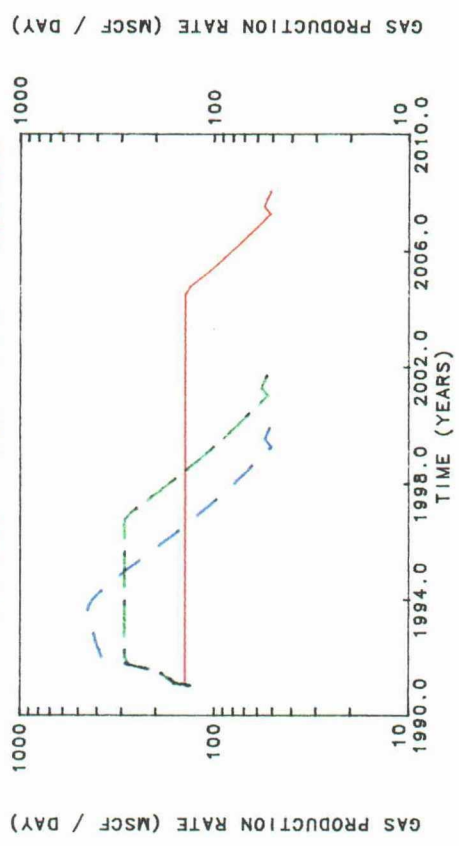
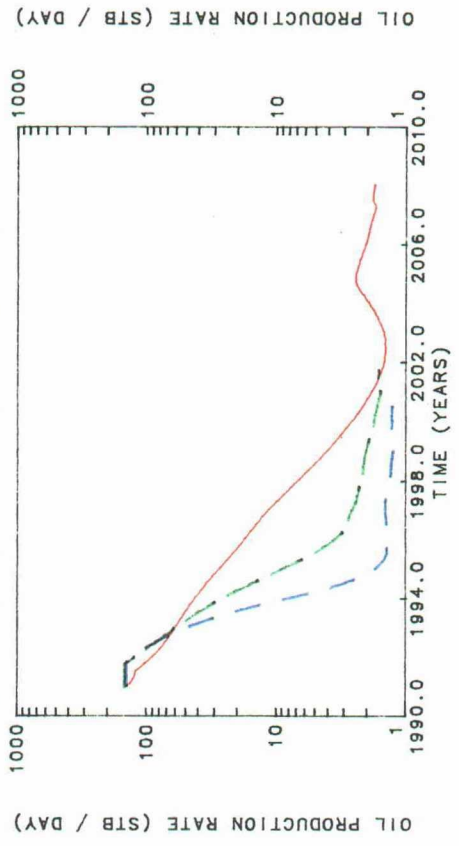
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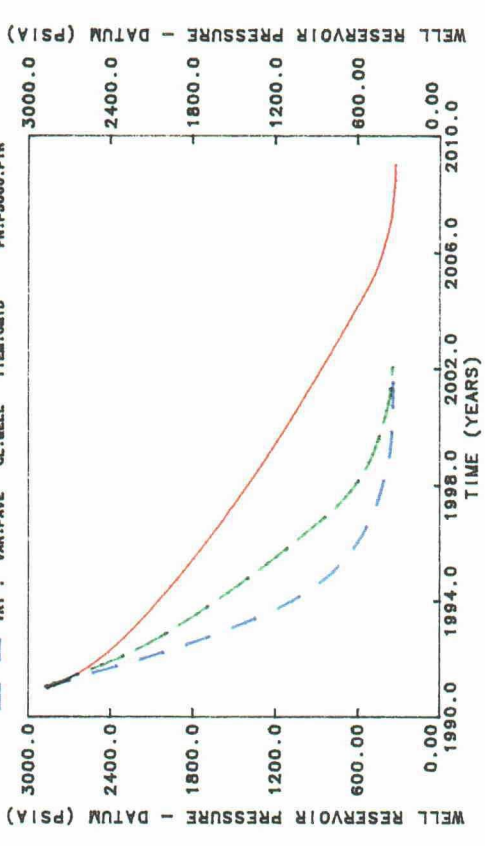
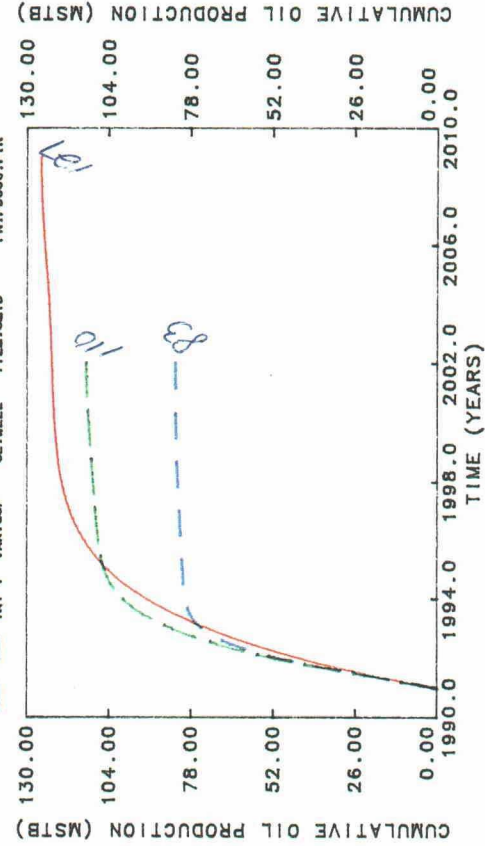
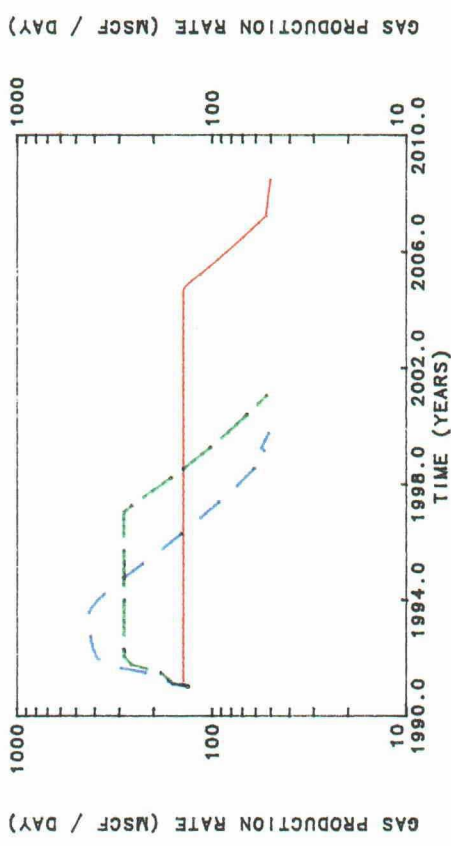
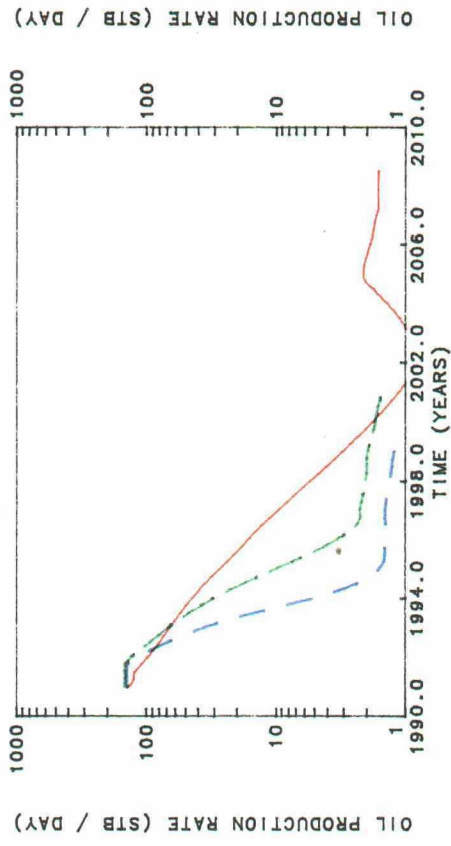
Density	1.198 GM/CC
FVF	1.005
Viscosity	1.07 CP
Compressibility	$3.1 \times 10^{-6}$ 1/PSI

LOWER WELL

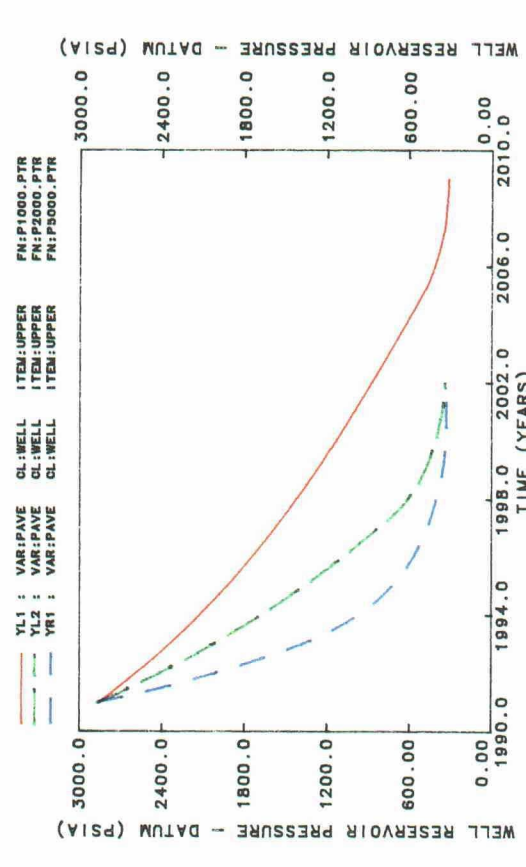
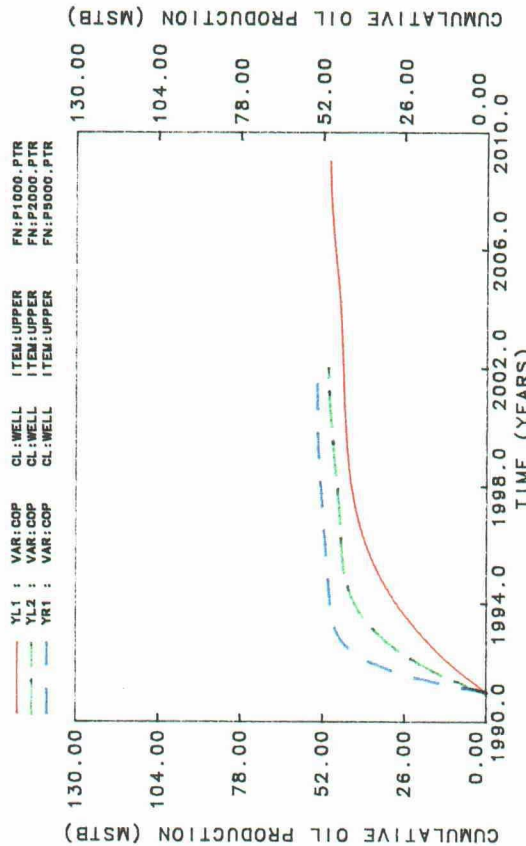
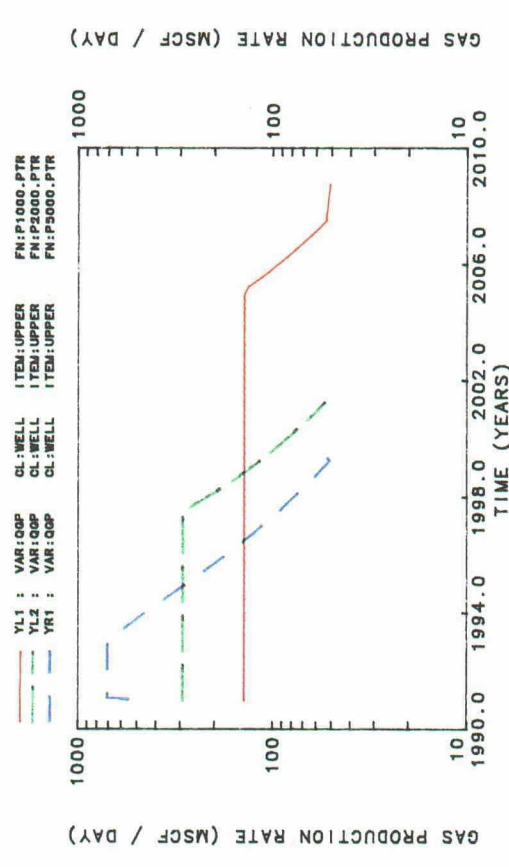
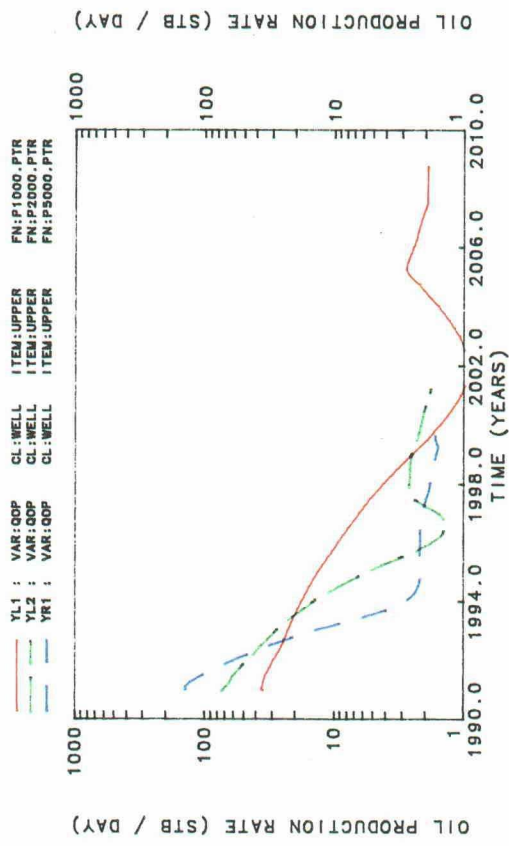


LOWER MIDDLE WELL





UPPER MIDDLE WELL



UPPER WELL

**EAST LOVING DELAWARE FIELD**  
**MODEL RESULTS - OIL ALLOWABLE OF 142 BOPD**  
**OIL RECOVERY VS GOR ALLOWABLE**

