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# Lawrence Berkeley Laboratory

UNIVERSITY OF CALIFORNIA

## EARTH SCIENCES DIVISION

**A Database for the Geysers Geothermal Field  
Volume II  
Appendix A: Steam Flowrates and Cumulative  
Mass Flows**

G.S. Bodvarsson, B.L. Cox, P. Fuller, M. Ripperda,  
H. Tulinius, P.A. Witherspoon, N. Goldstein,  
S. Flexser, K. Pruess, and A. Truesdell

September 1989



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# **A DATABASE FOR THE GEYSERS GEOTHERMAL FIELD**

## **Volume II**

### **Appendix A: Steam Flowrates and Cumulative Mass Flows**

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September 1989

# **APPENDIX A**

## **Steam Flowrates and Cumulative Mass Flows**

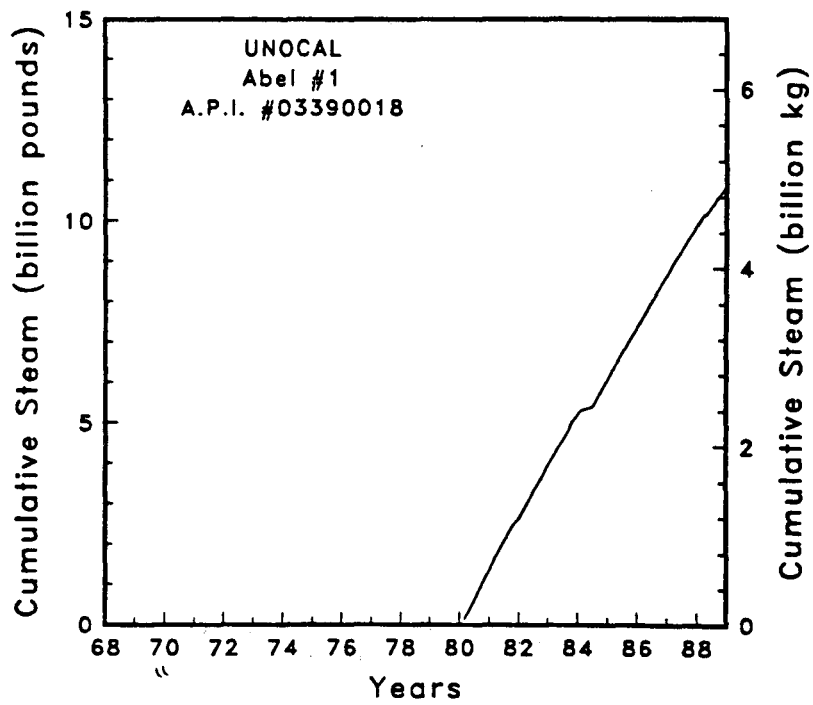
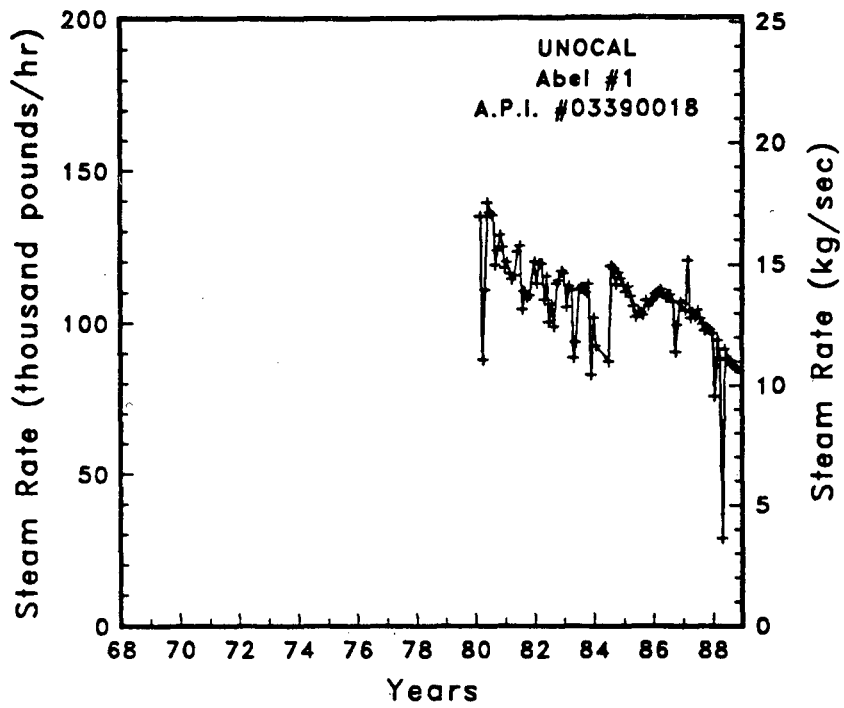


Figure A-1 Steam rate and cumulative mass flow for well Abel #1

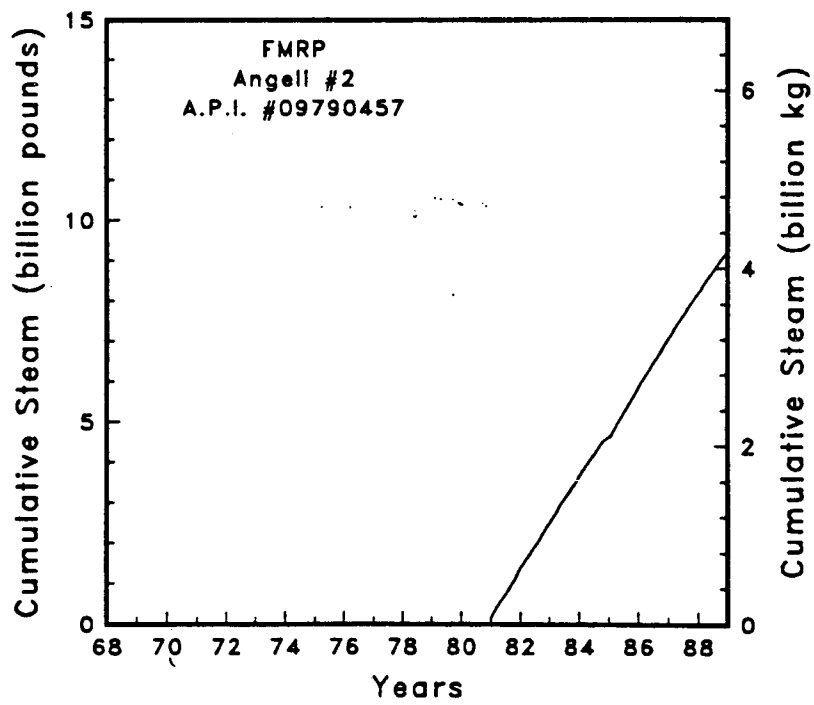
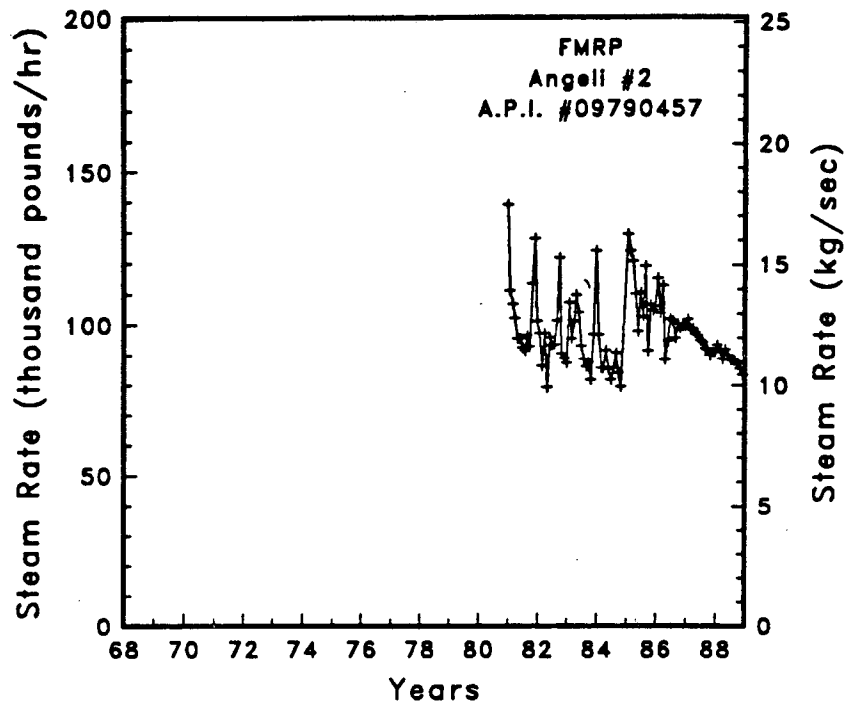


Figure A-2 Steam rate and cumulative mass flow for well Angeli #2

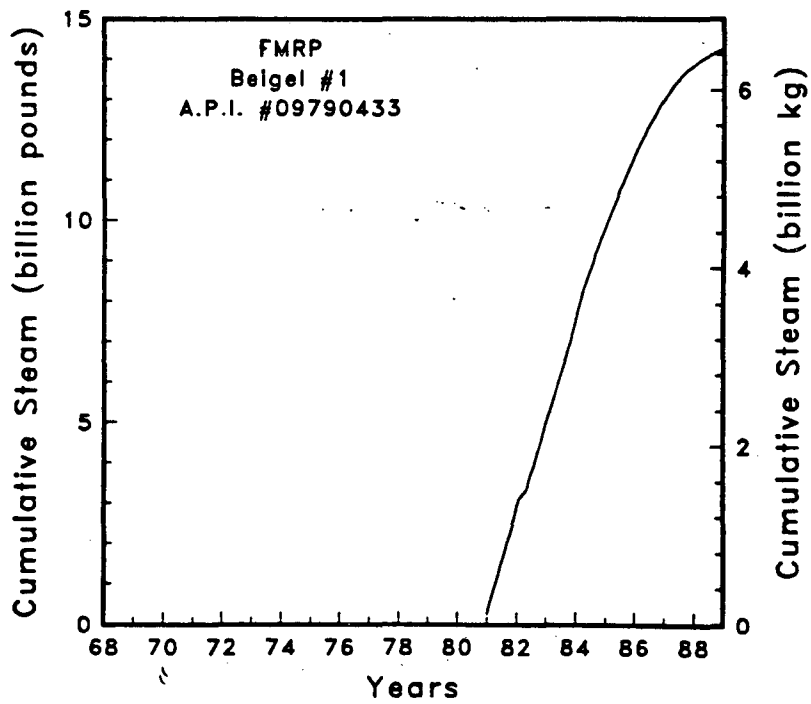
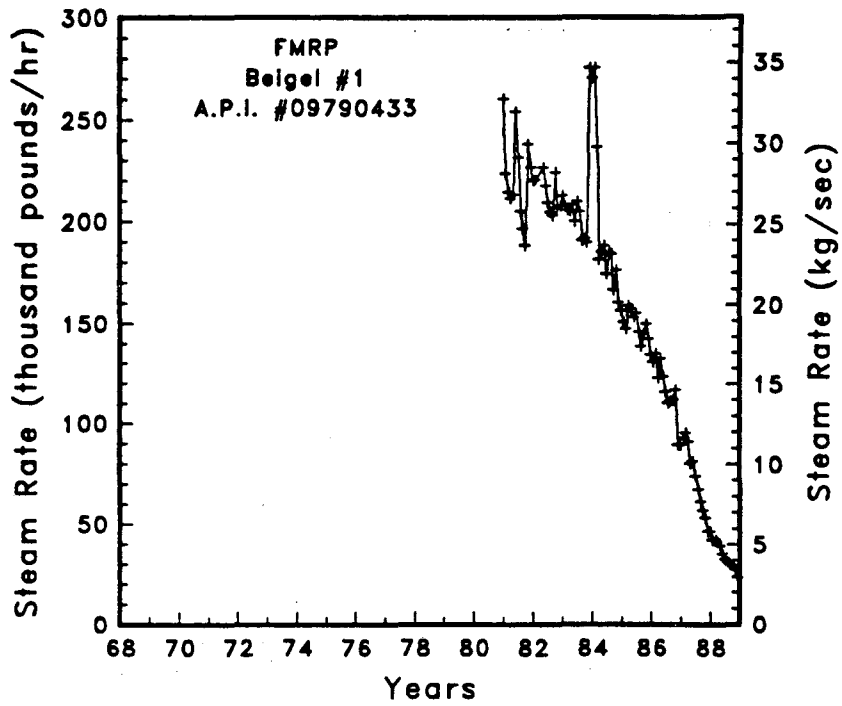


Figure A-3 Steam rate and cumulative mass flow for well Beigel #1



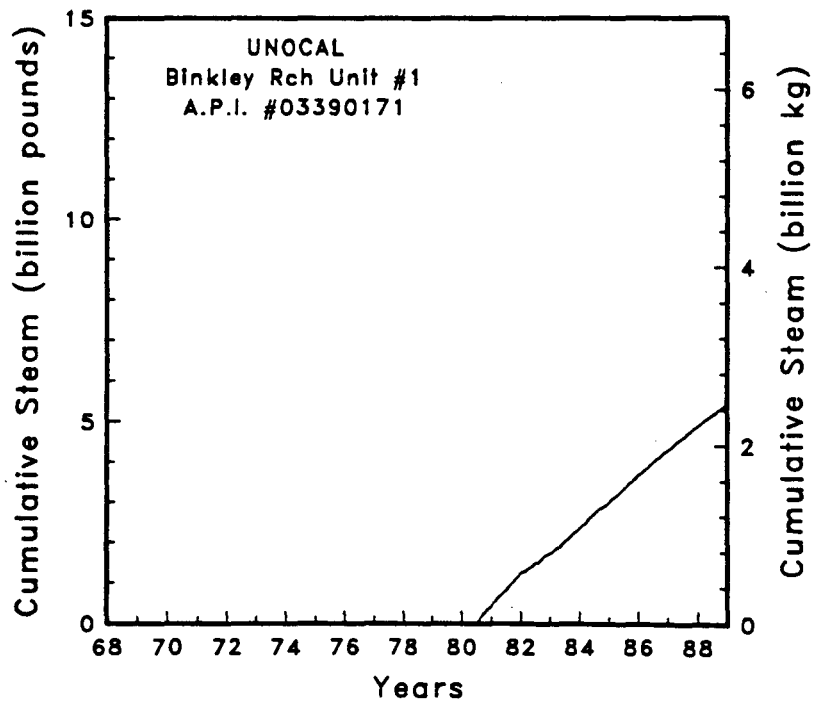
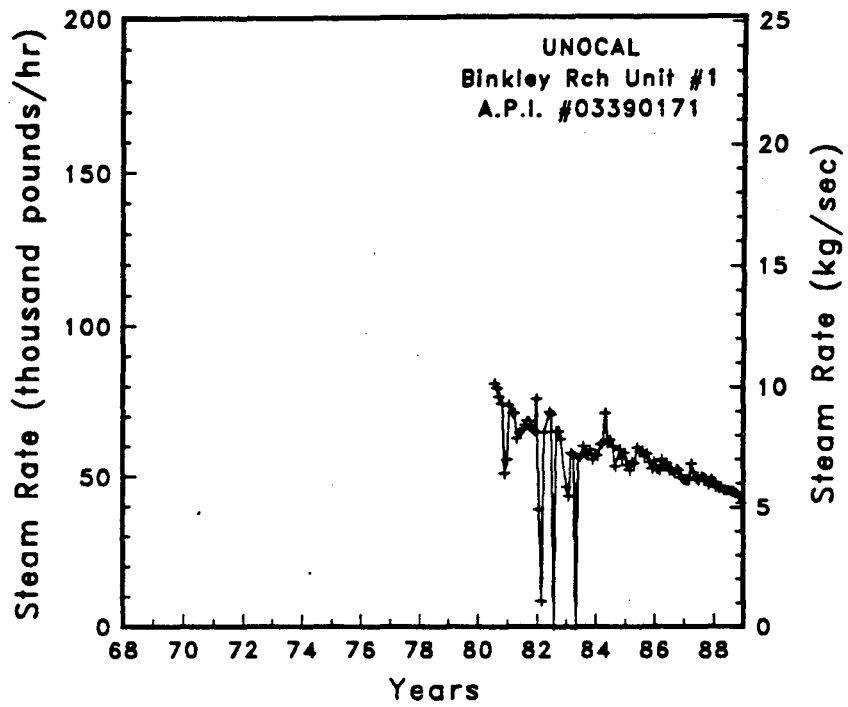


Figure A-4

Steam rate and cumulative mass flow for well Binkley Rch Unit #1

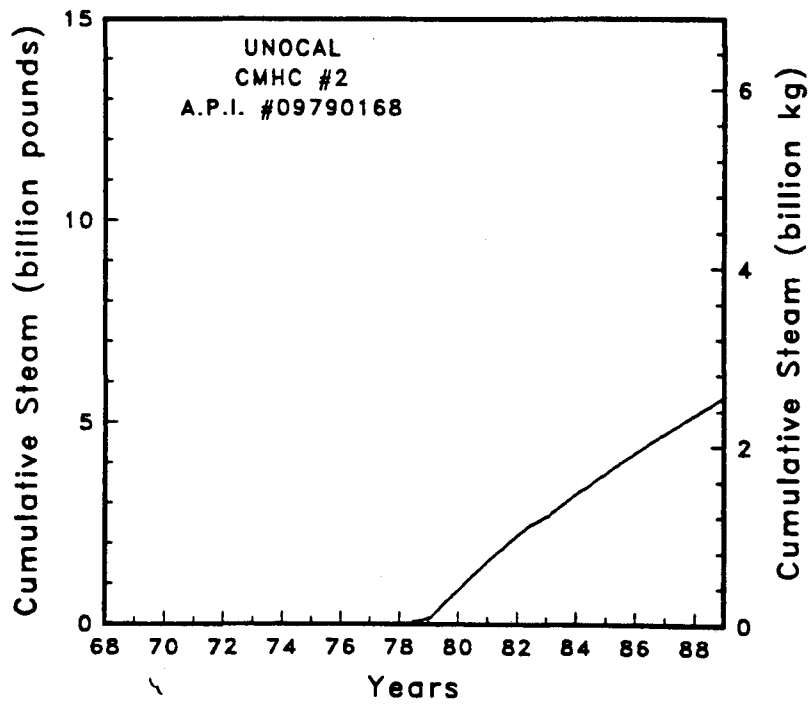
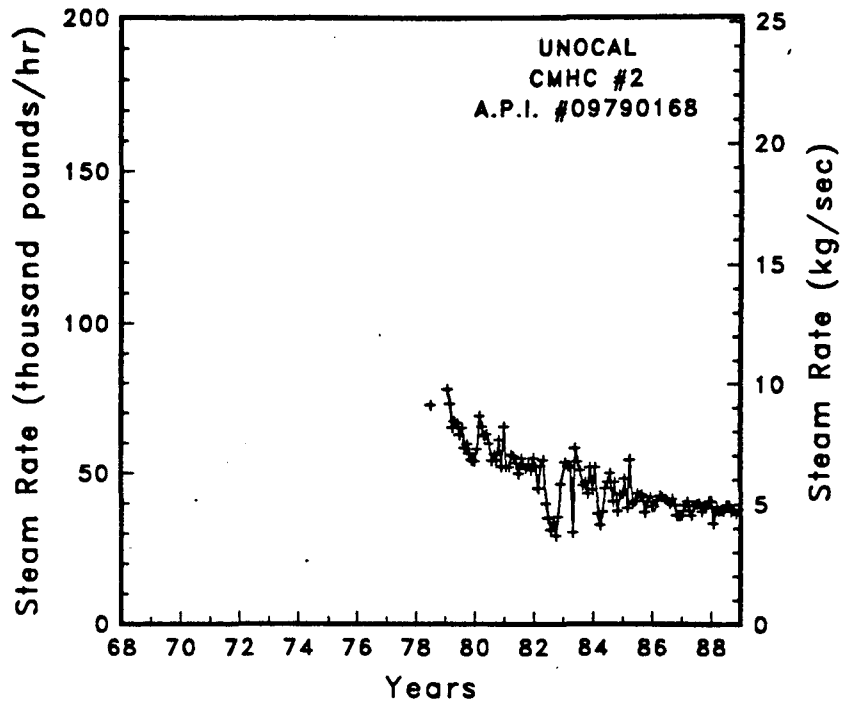


Figure A-5. Steam rate and cumulative mass flow for well CMHC #2

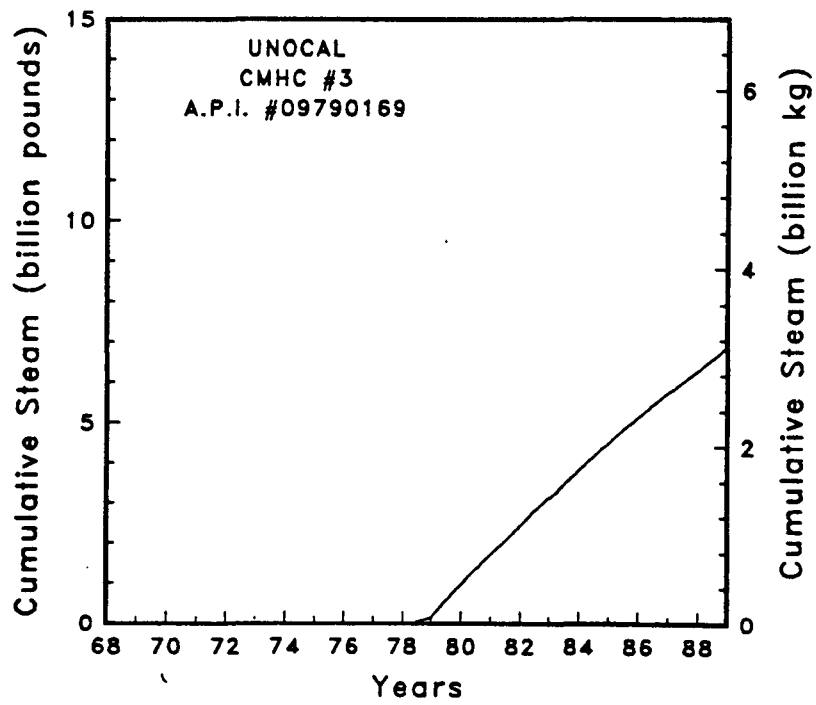
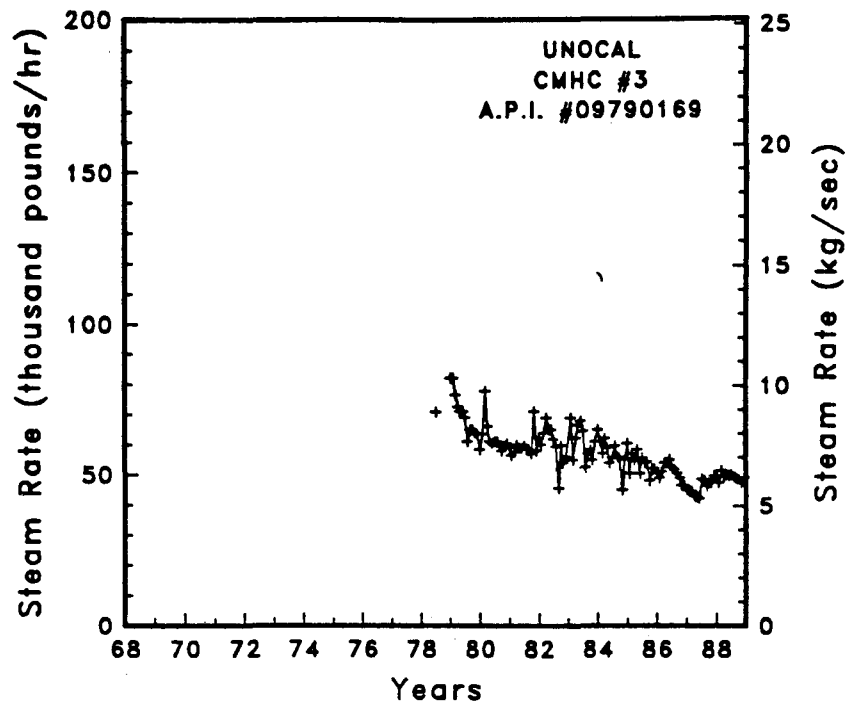


Figure A-6

Steam rate and cumulative mass flow for well CMHC #3

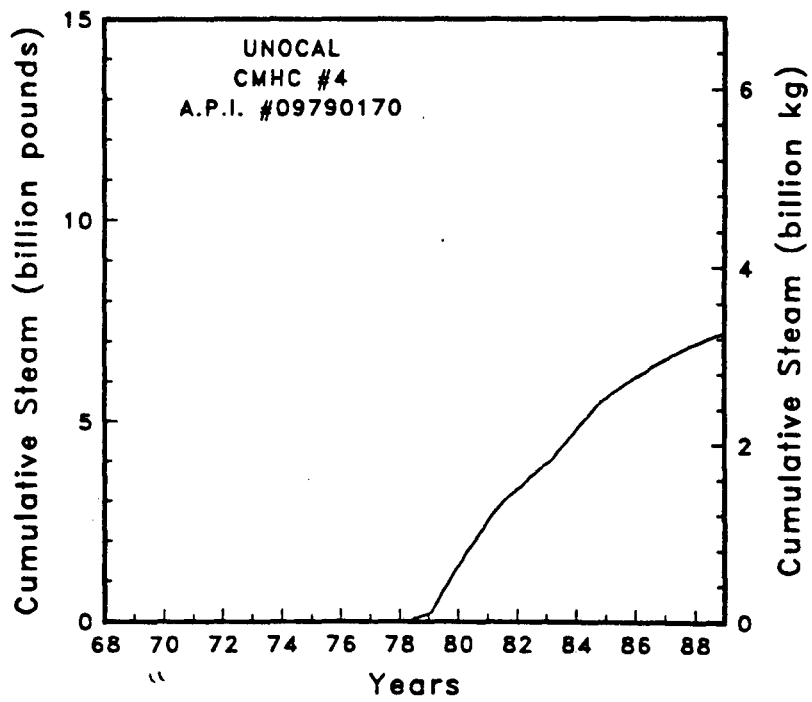
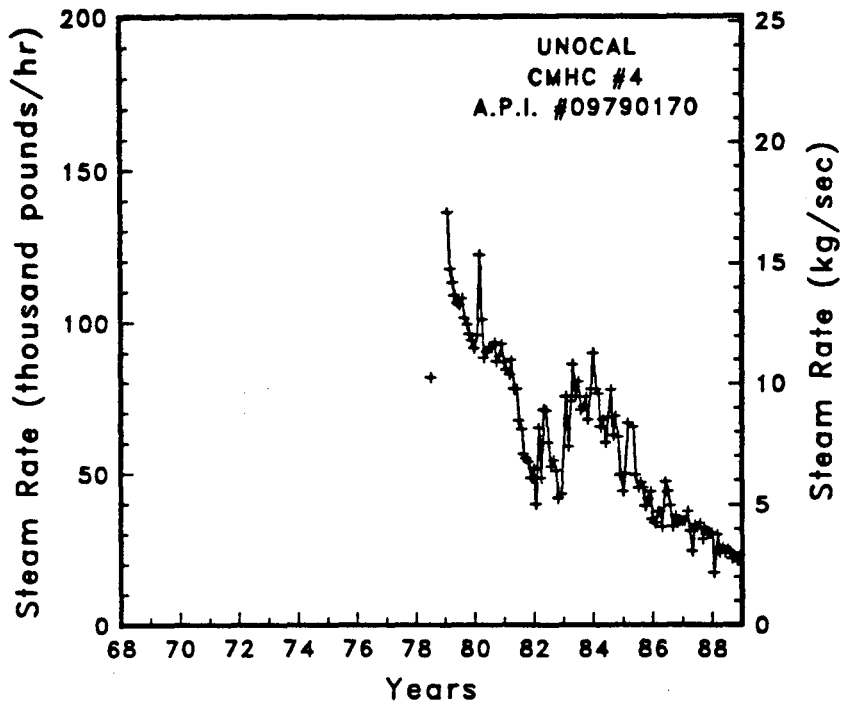


Figure A-7 Steam rate and cumulative mass flow for well CMHC #4

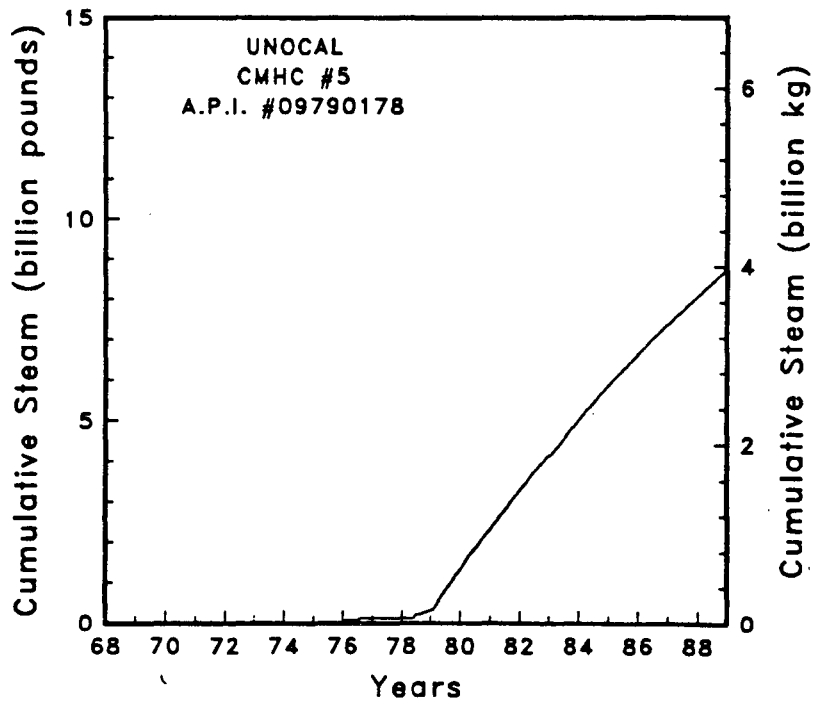
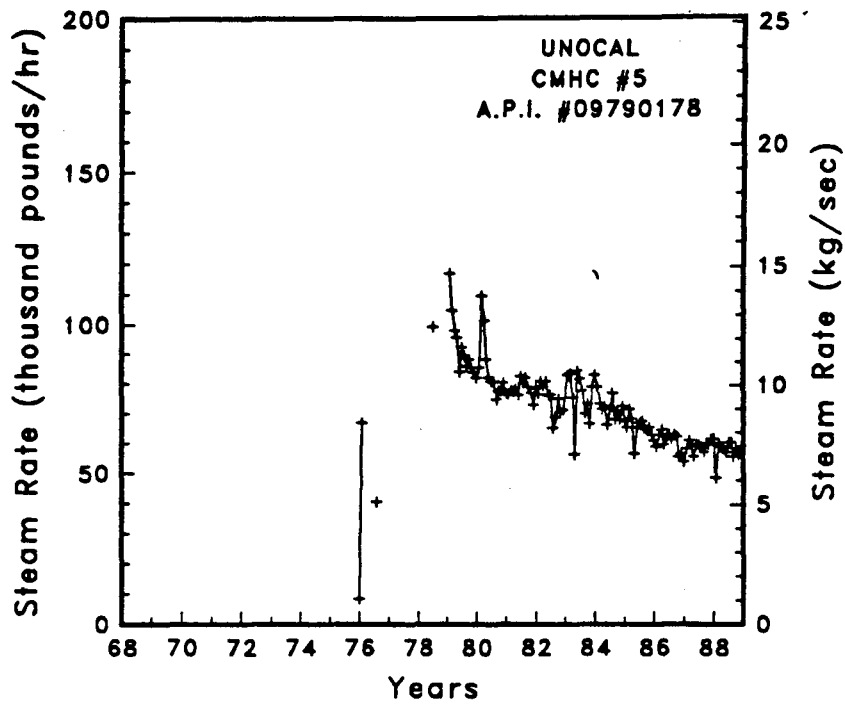


Figure A-8

Steam rate and cumulative mass flow for well CMHC #5

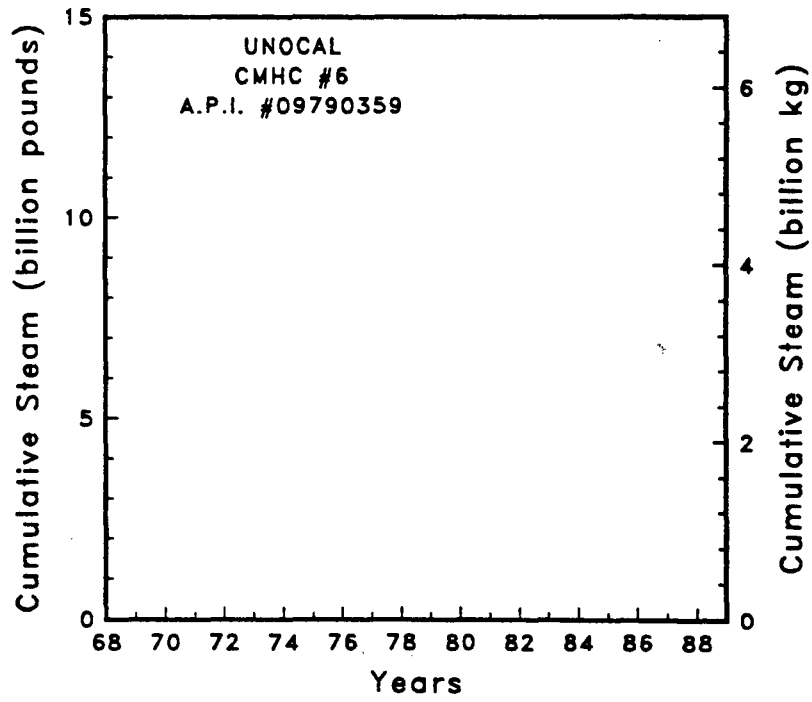
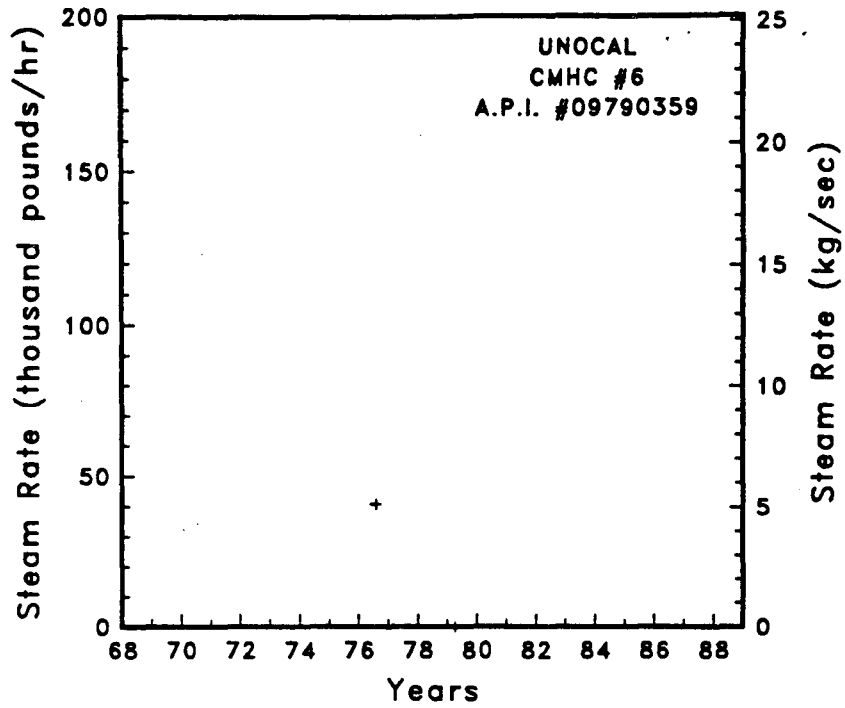


Figure A-9 Steam rate and cumulative mass flow for well CMHC #6

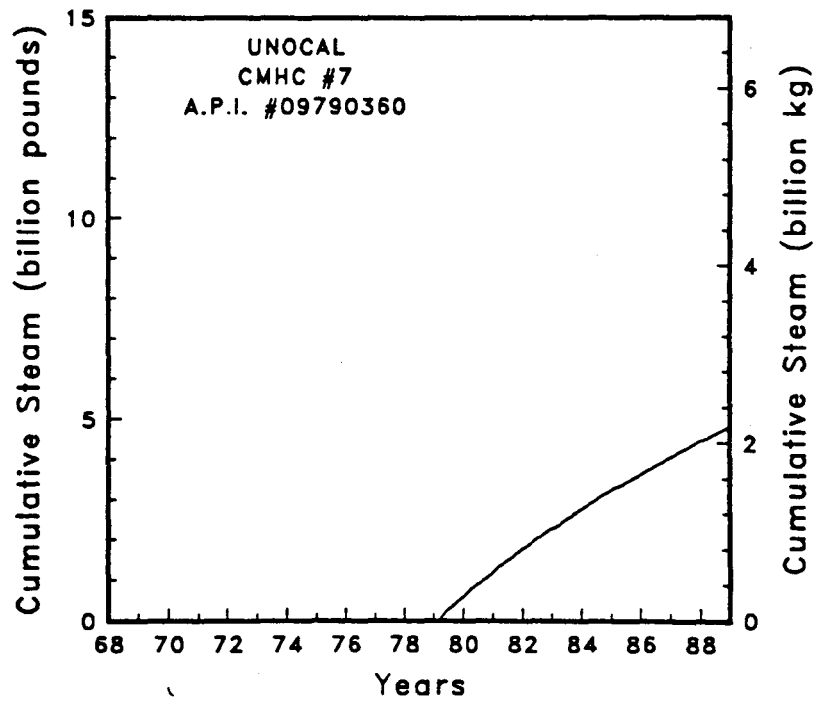
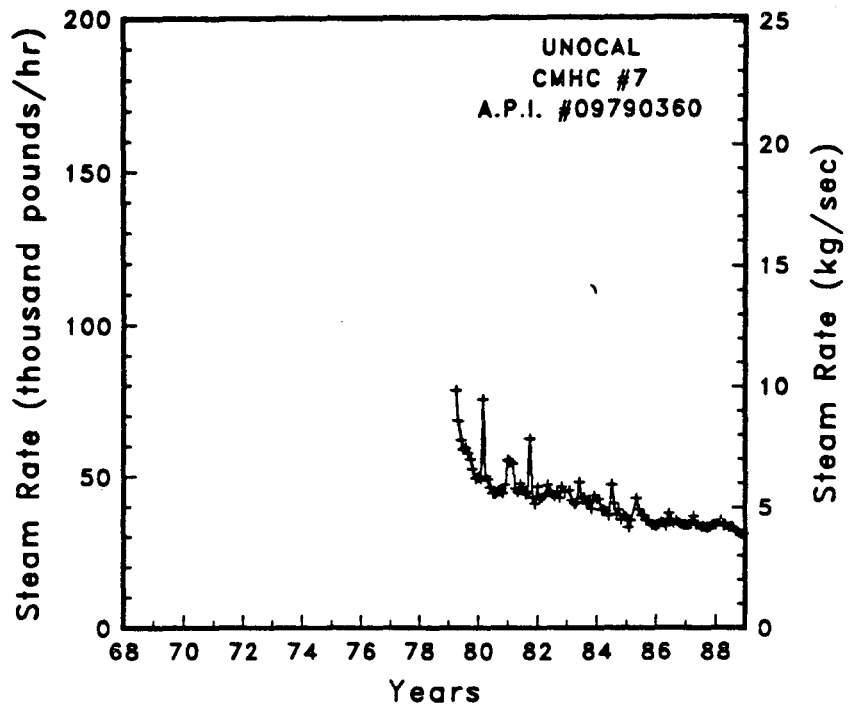


Figure A-10 Steam rate and cumulative mass flow for well CMHC #7

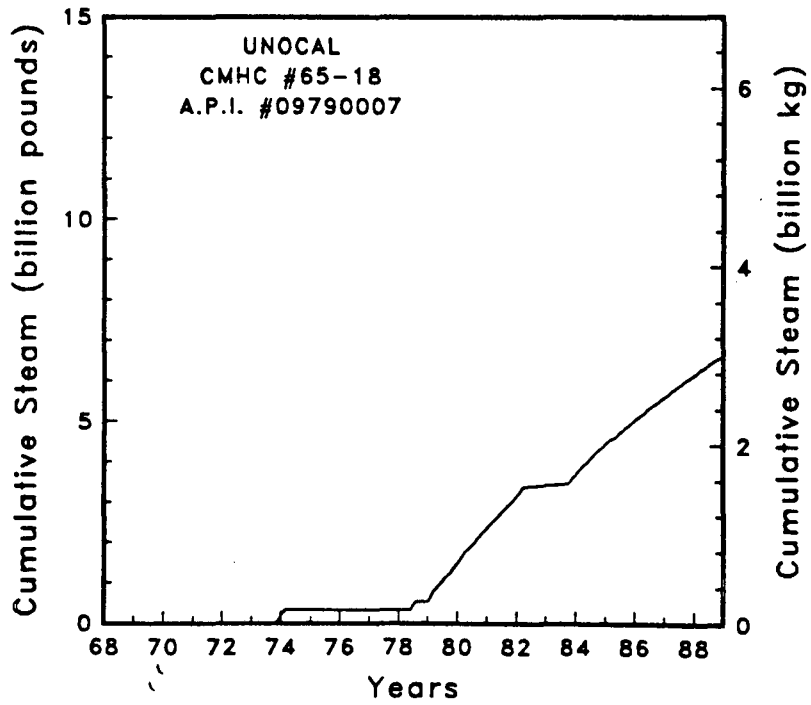
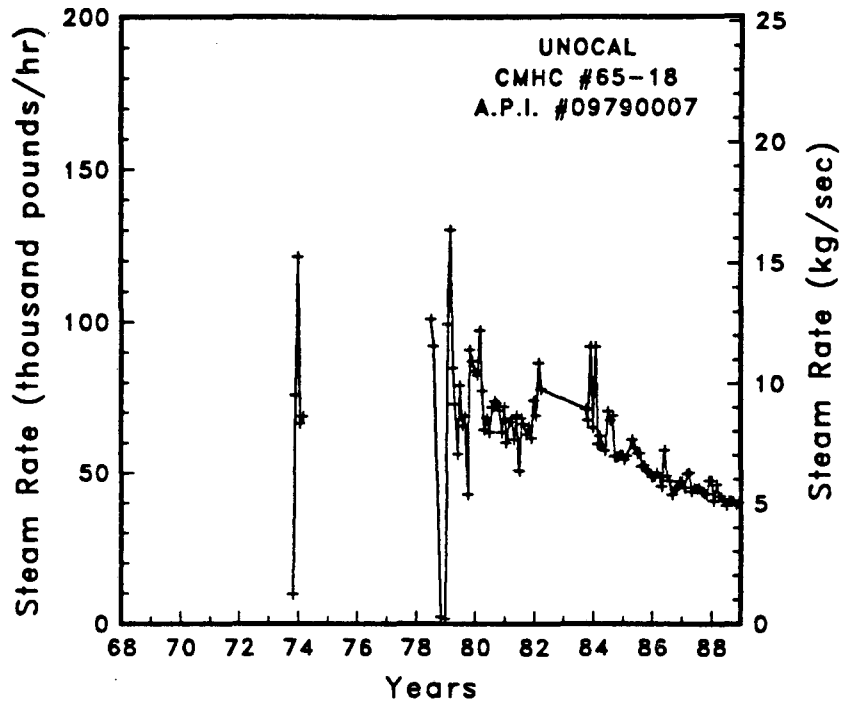


Figure A-11

Steam rate and cumulative mass flow for well CMHC #65-18



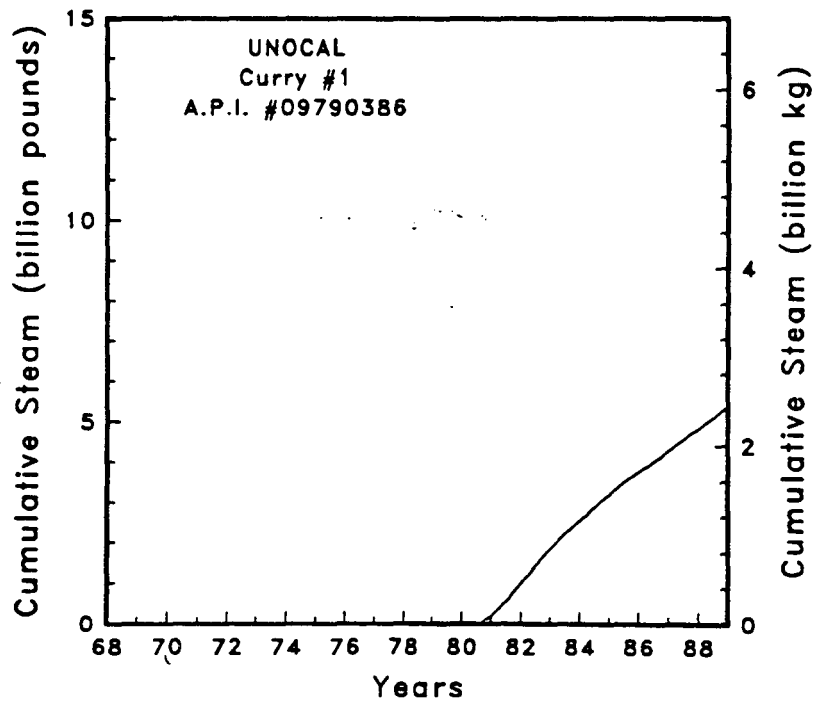
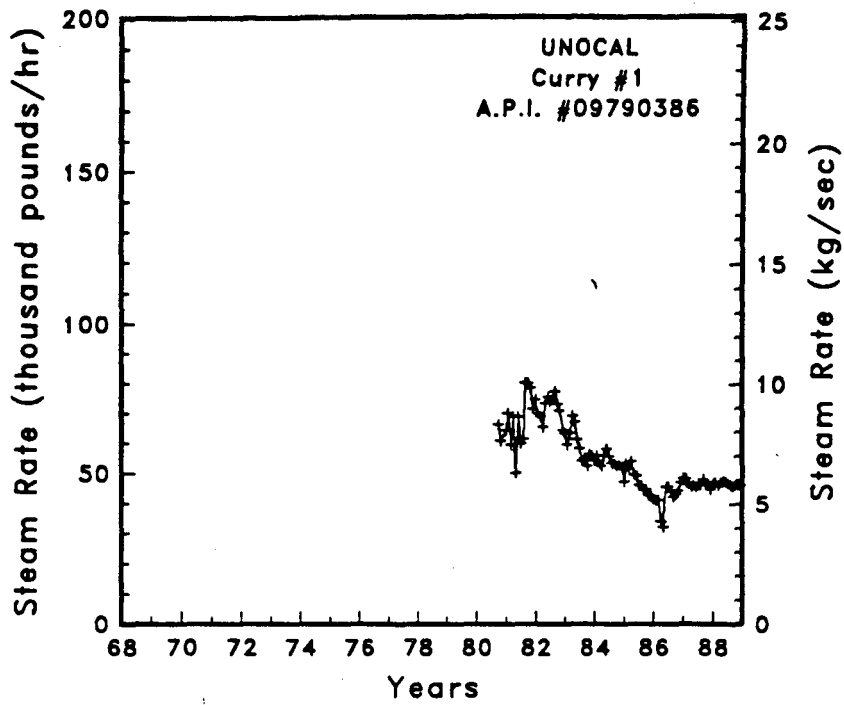


Figure A-12

Steam rate and cumulative mass flow for well Curry #1

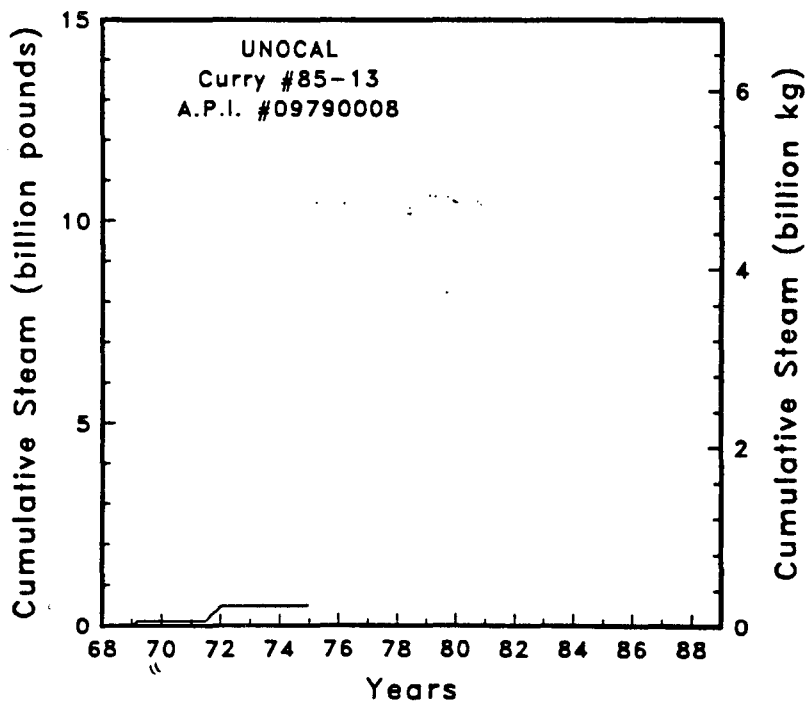
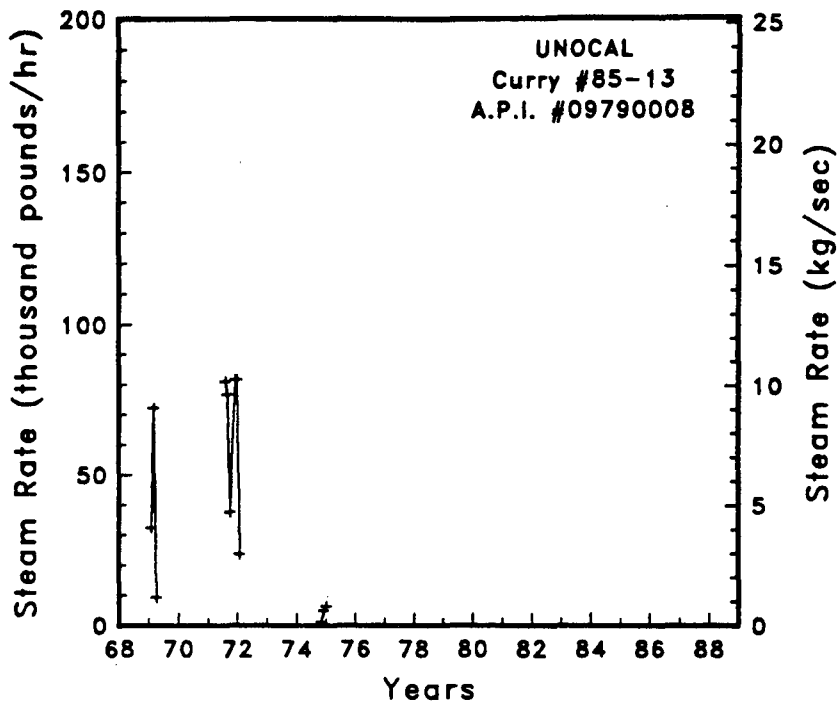


Figure A-13 Steam rate and cumulative mass flow for well Curry #85-13

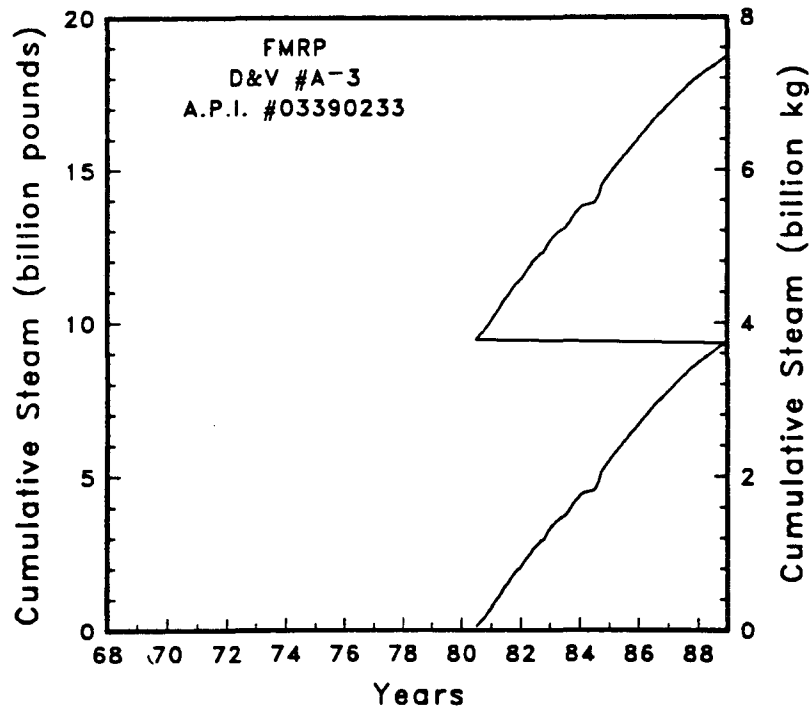
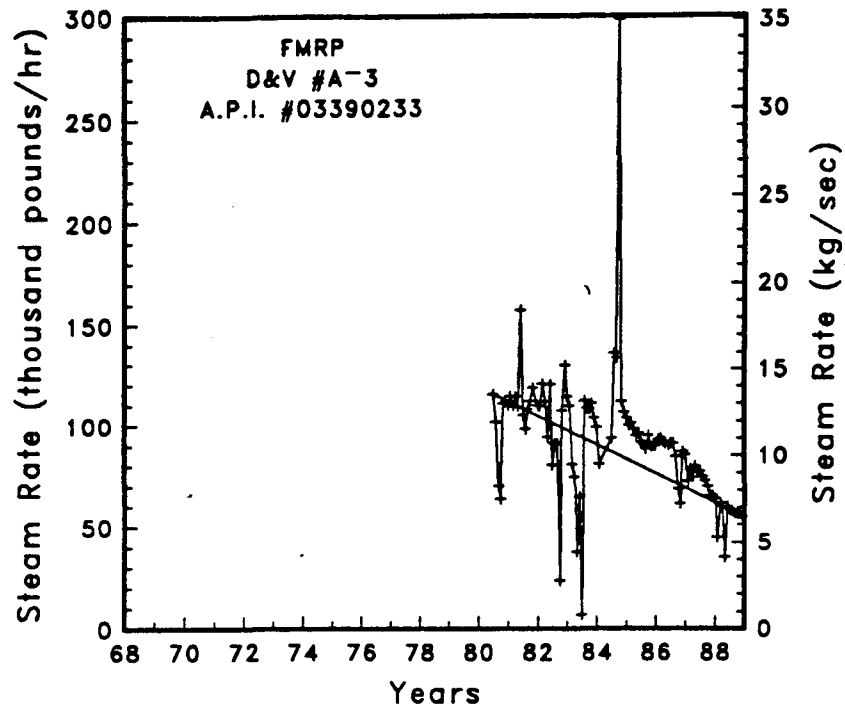


Figure A-14

Steam rate and cumulative mass flow for well D&V #A-3

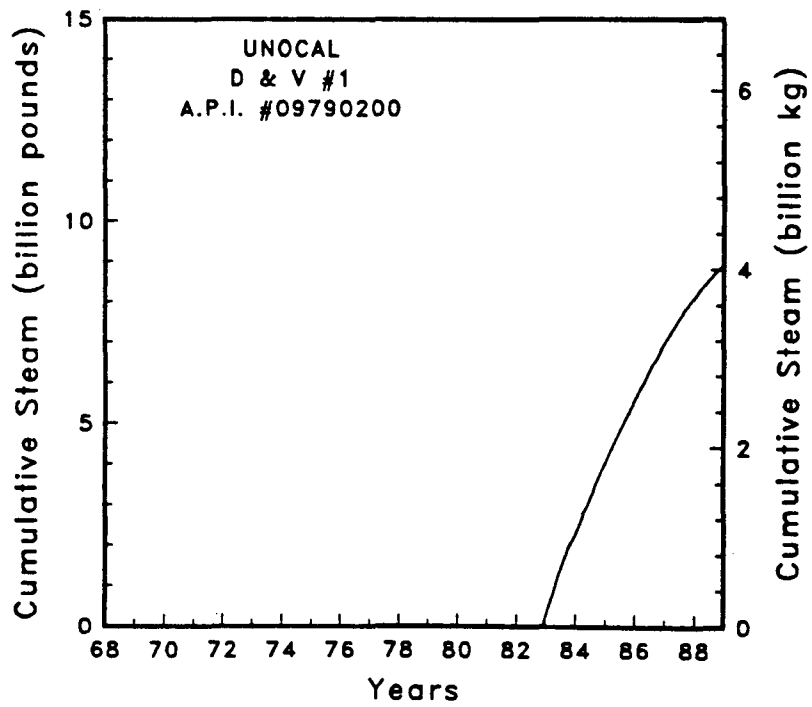
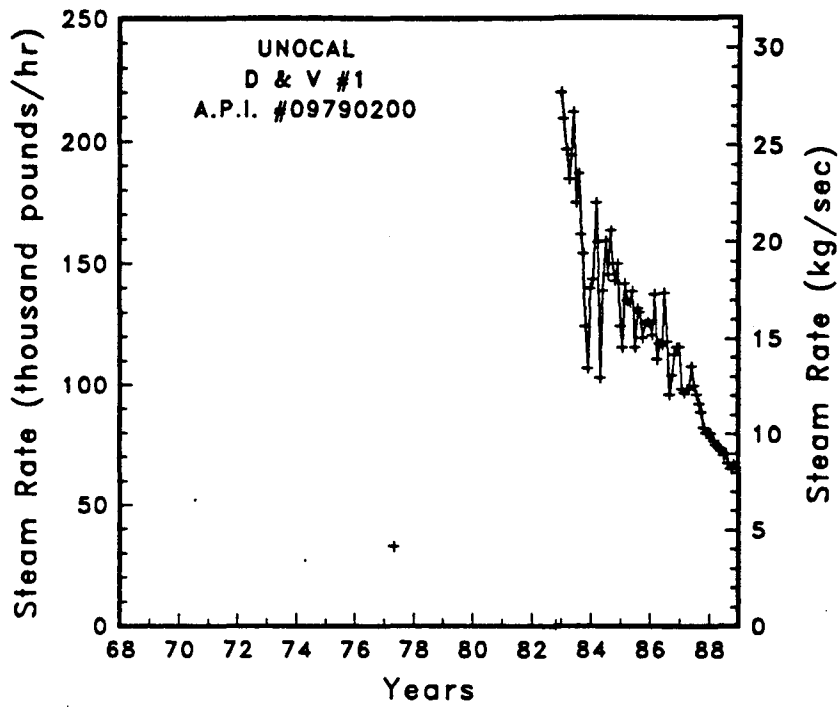


Figure A-15 Steam rate and cumulative mass flow for well D & V #1

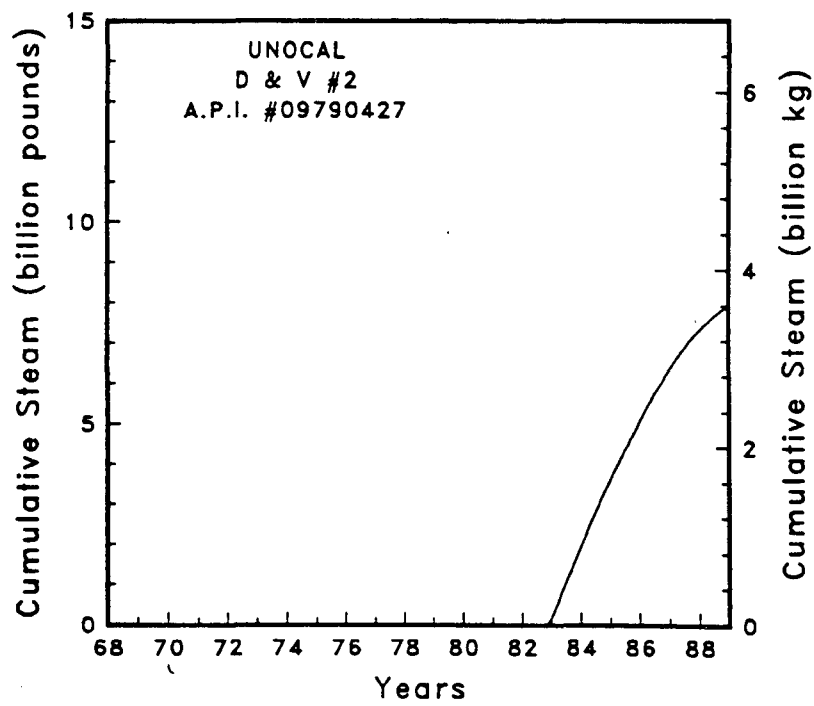
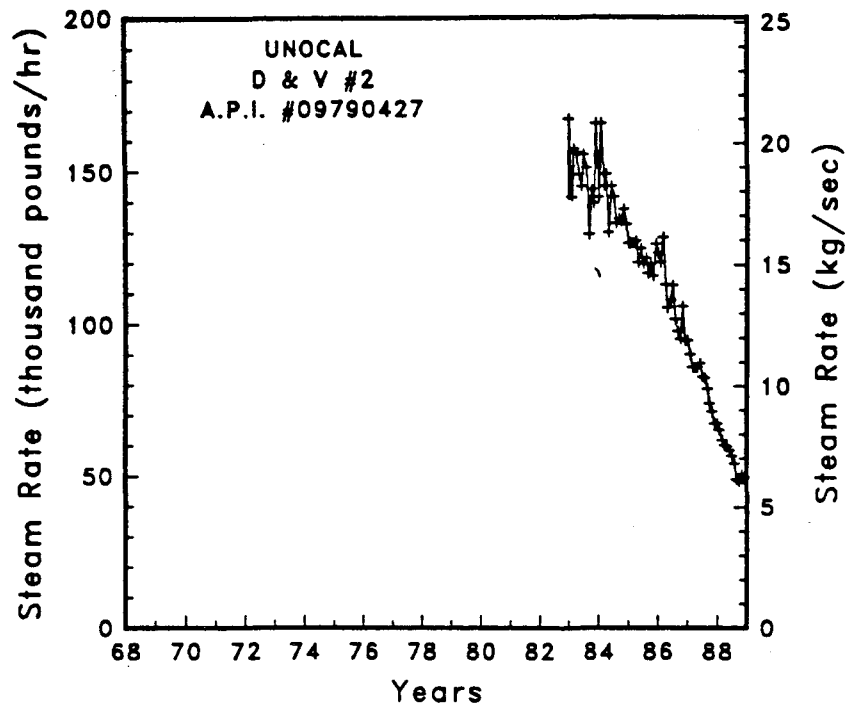


Figure A-16 Steam rate and cumulative mass flow for well D & V #2

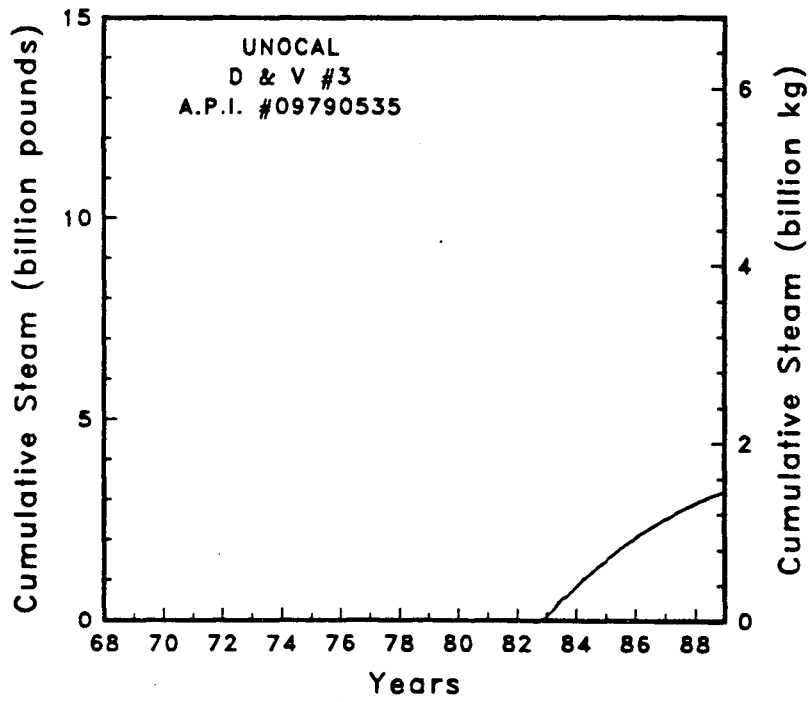
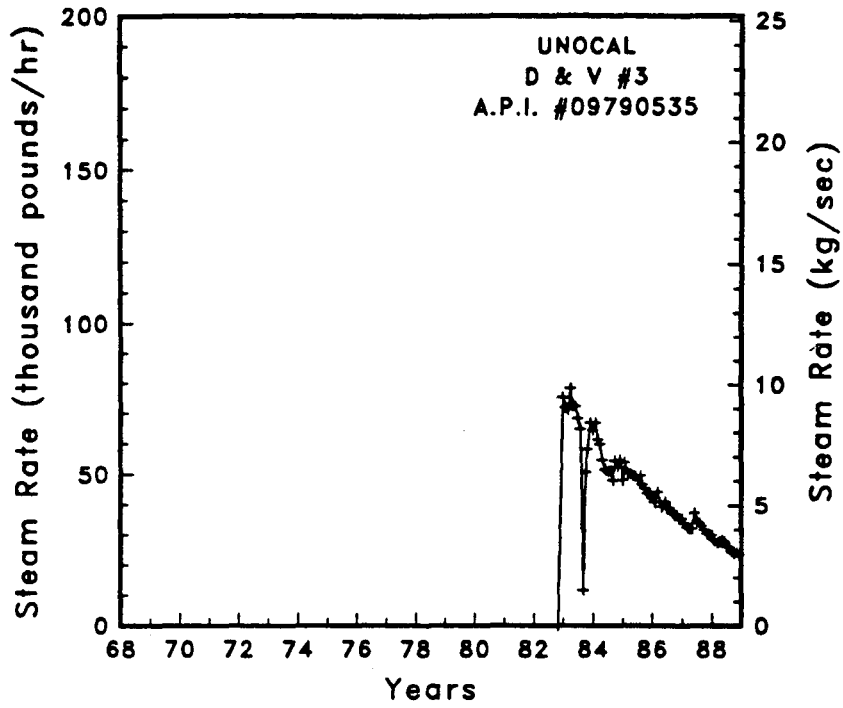


Figure A-17

Steam rate and cumulative mass flow for well D & V #3

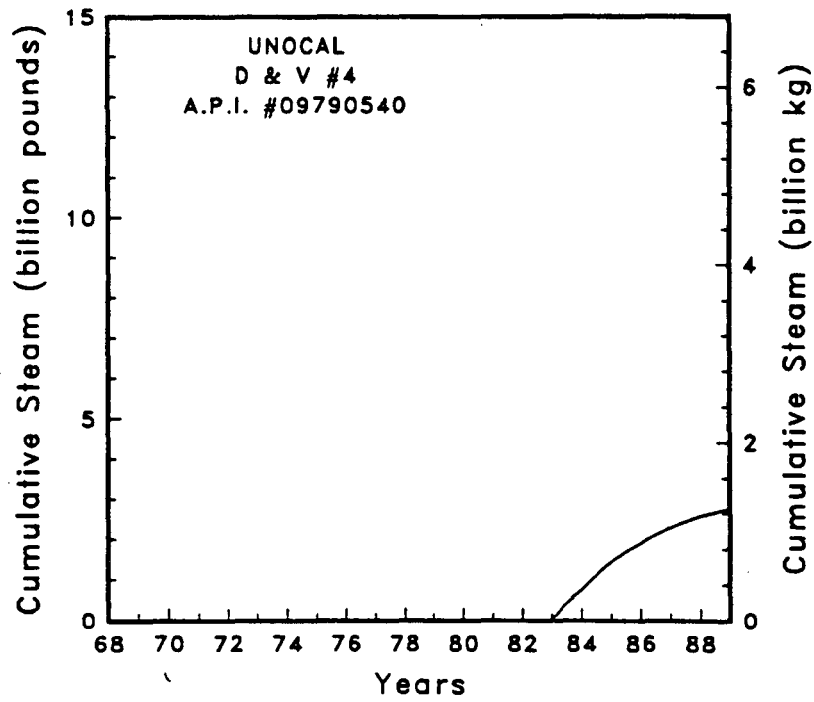
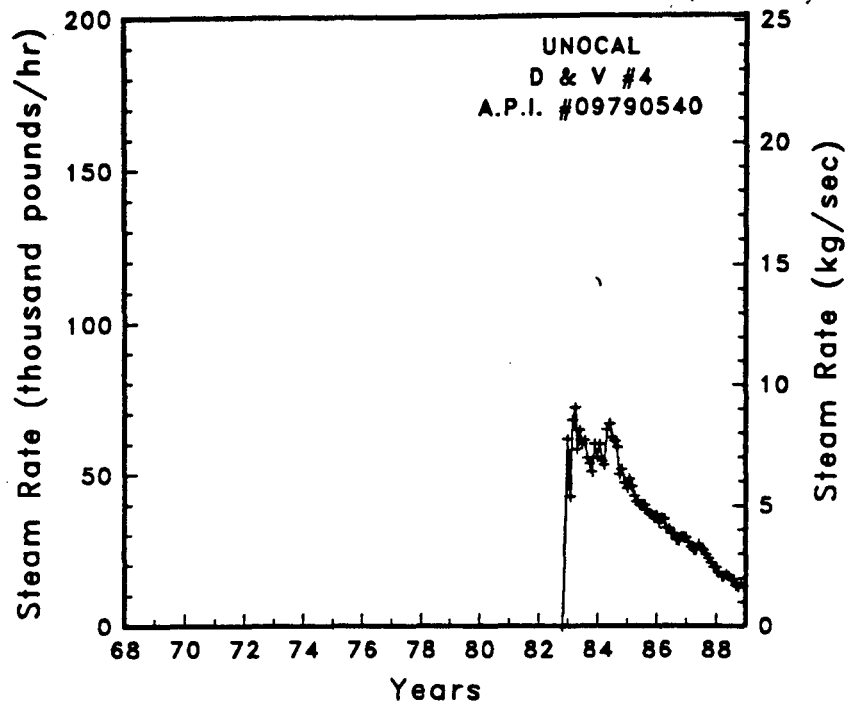


Figure A-18 Steam rate and cumulative mass flow for well D & V #4

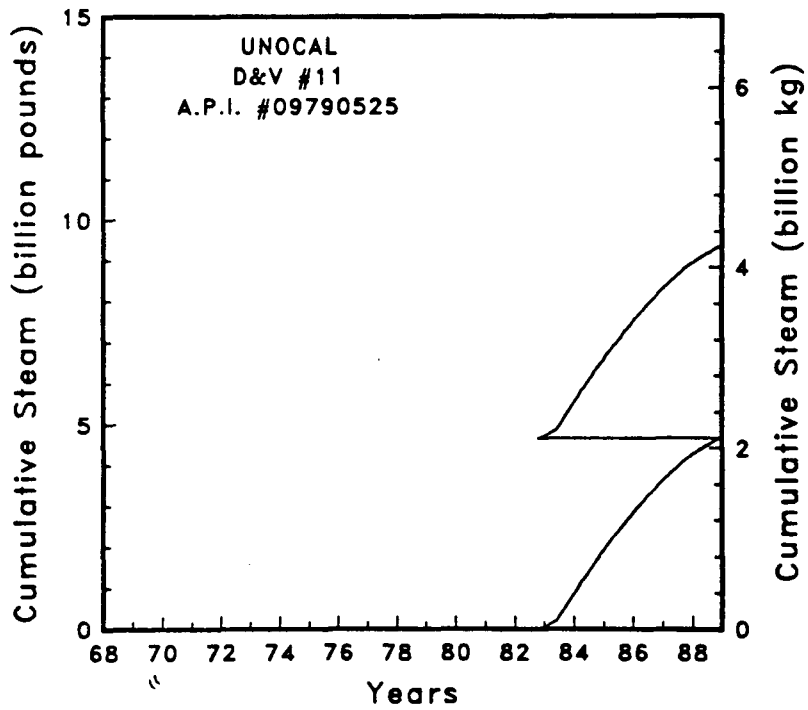
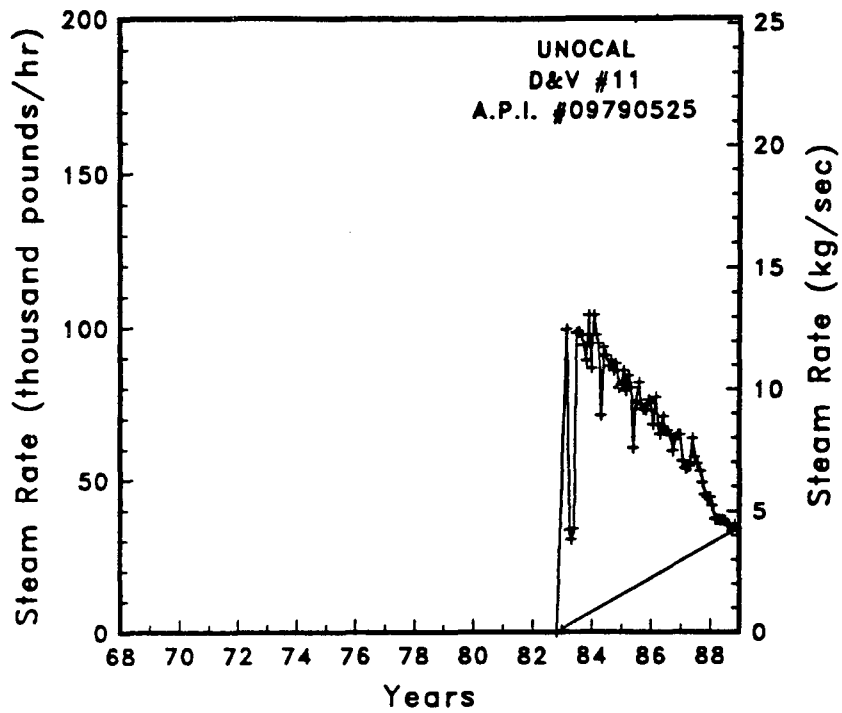


Figure A-19

Steam rate and cumulative mass flow for well D&V #11



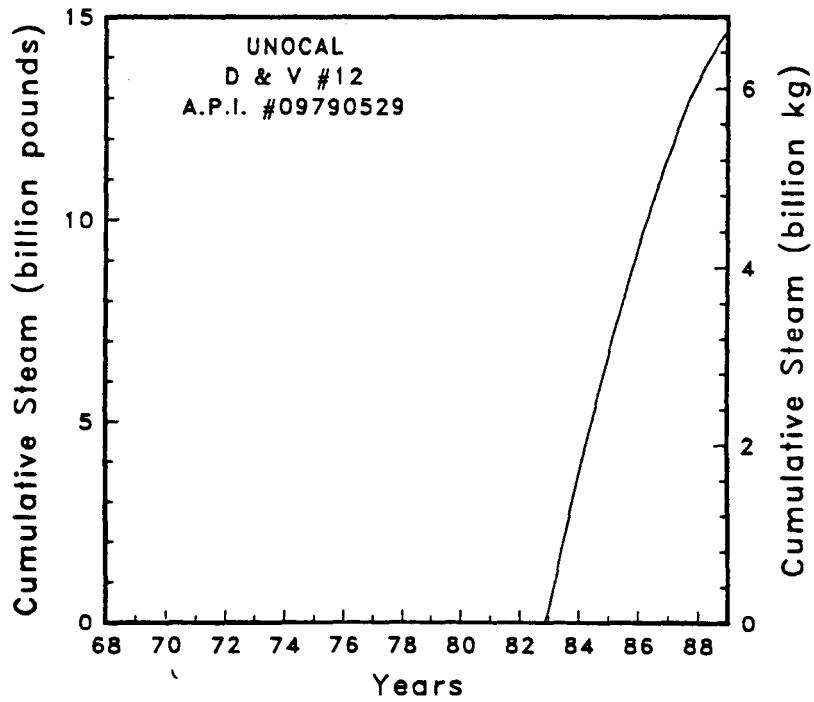
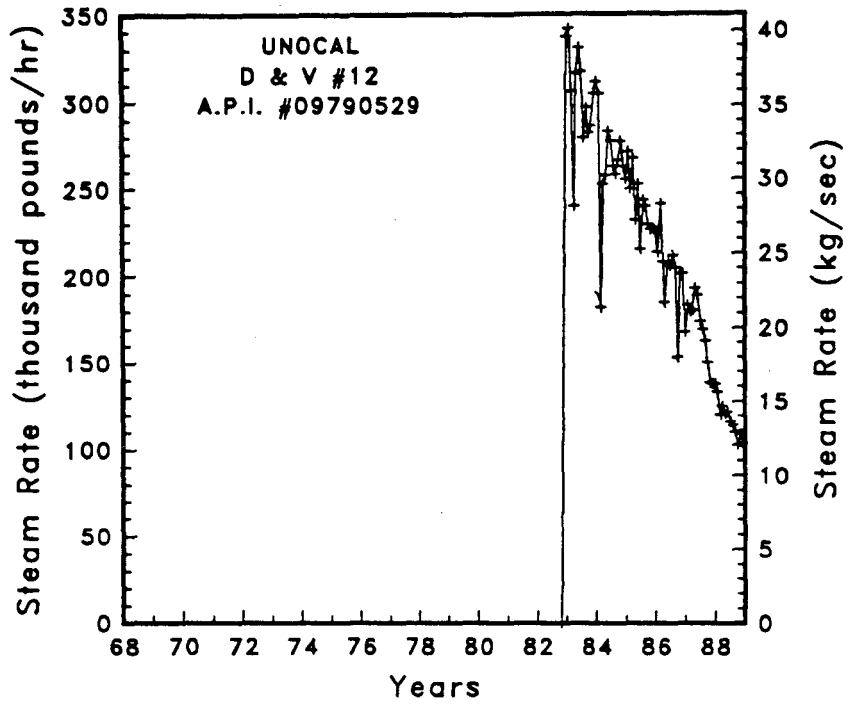


Figure A-20

Steam rate and cumulative mass flow for well D & V #12

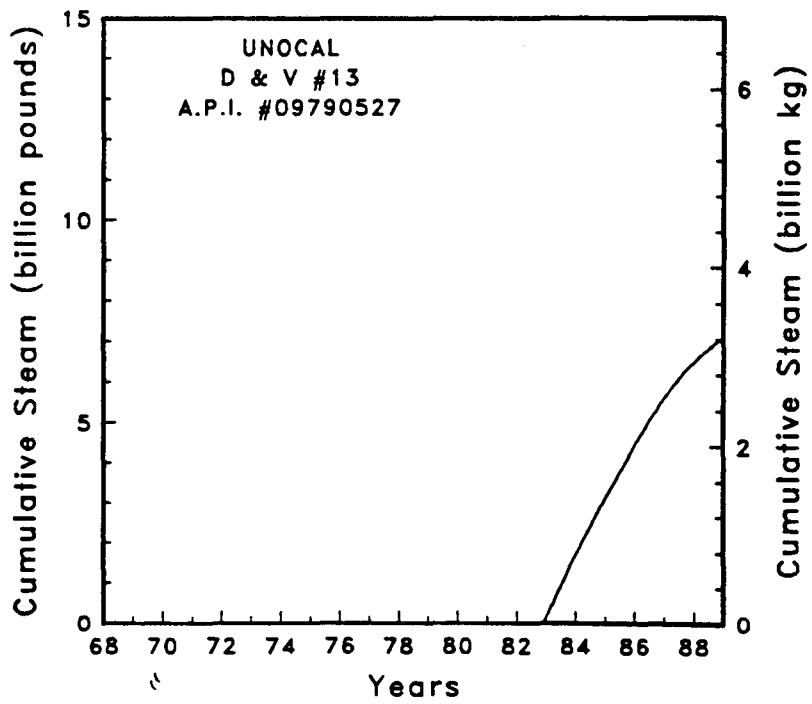
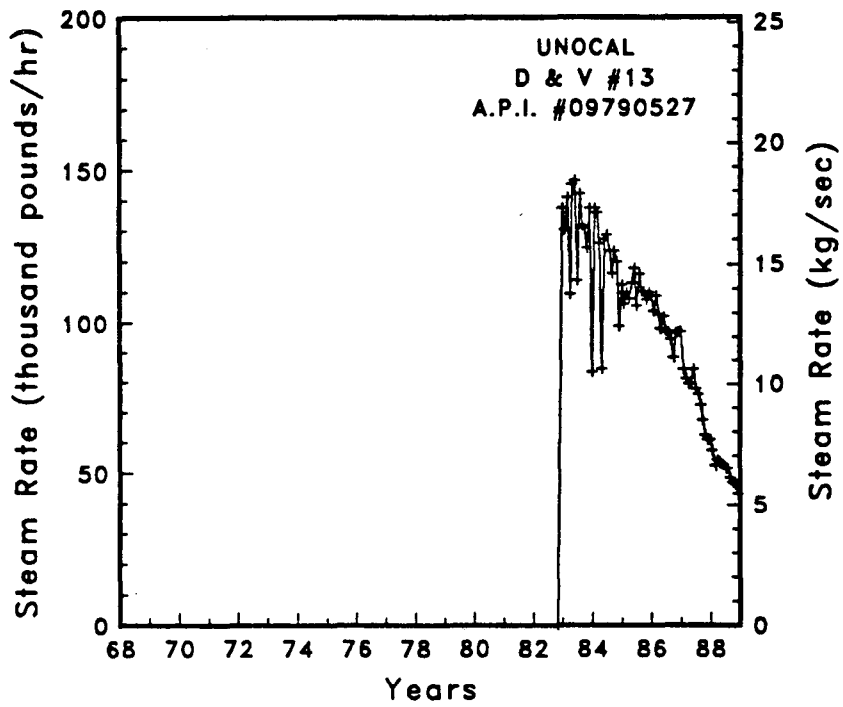


Figure A-21 Steam rate and cumulative mass flow for well D & V #13

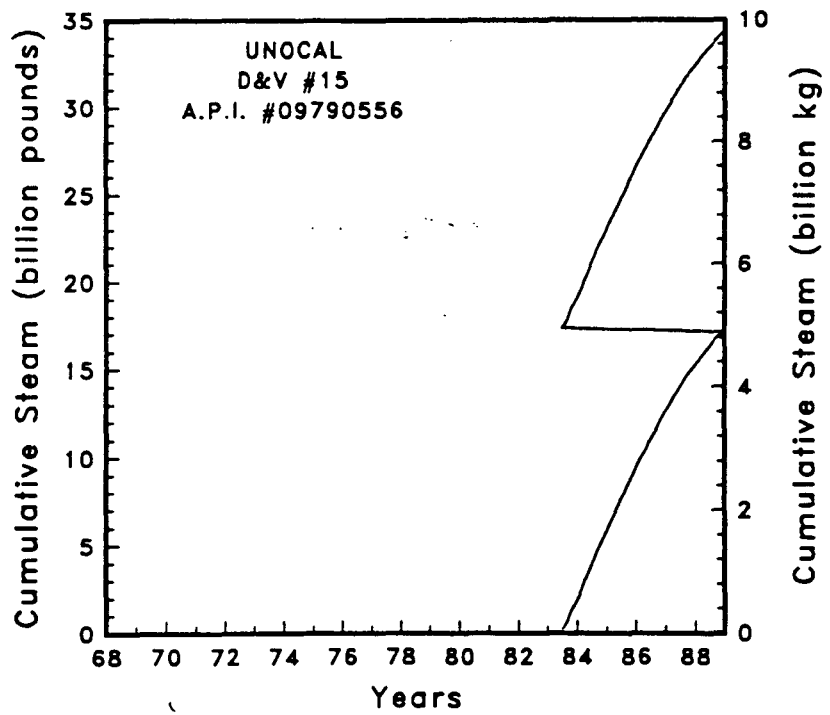
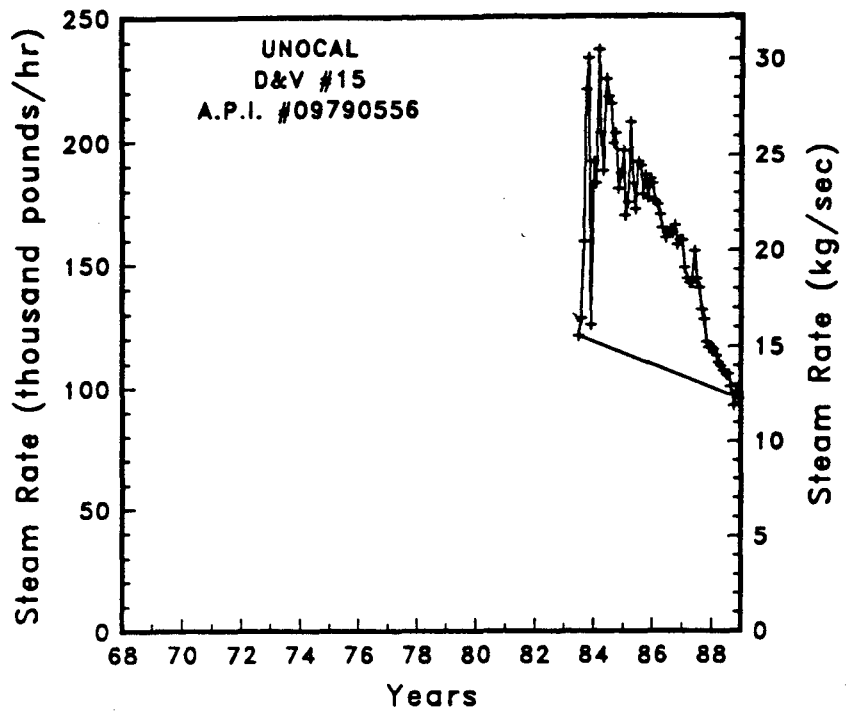


Figure A-22

Steam rate and cumulative mass flow for well D&V #15

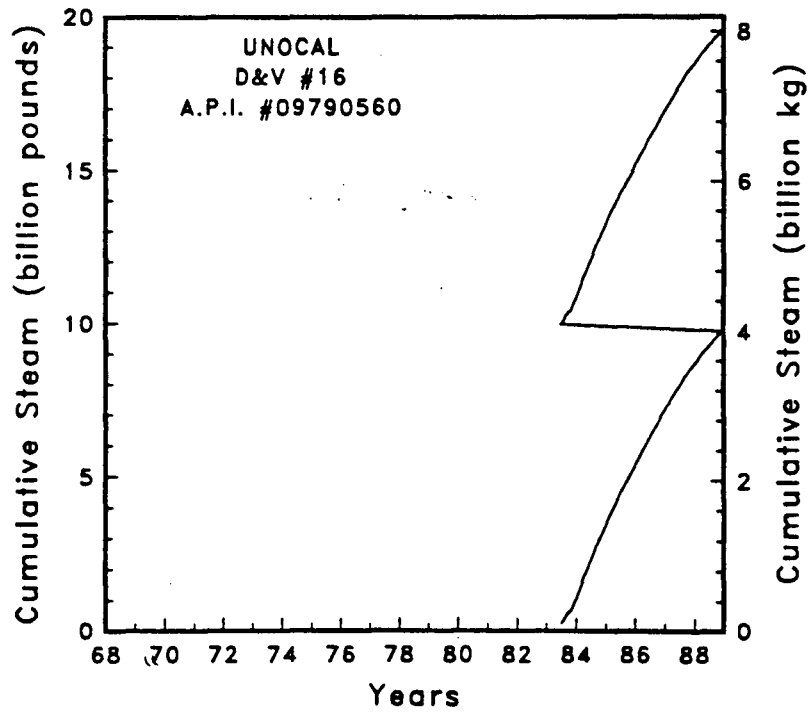
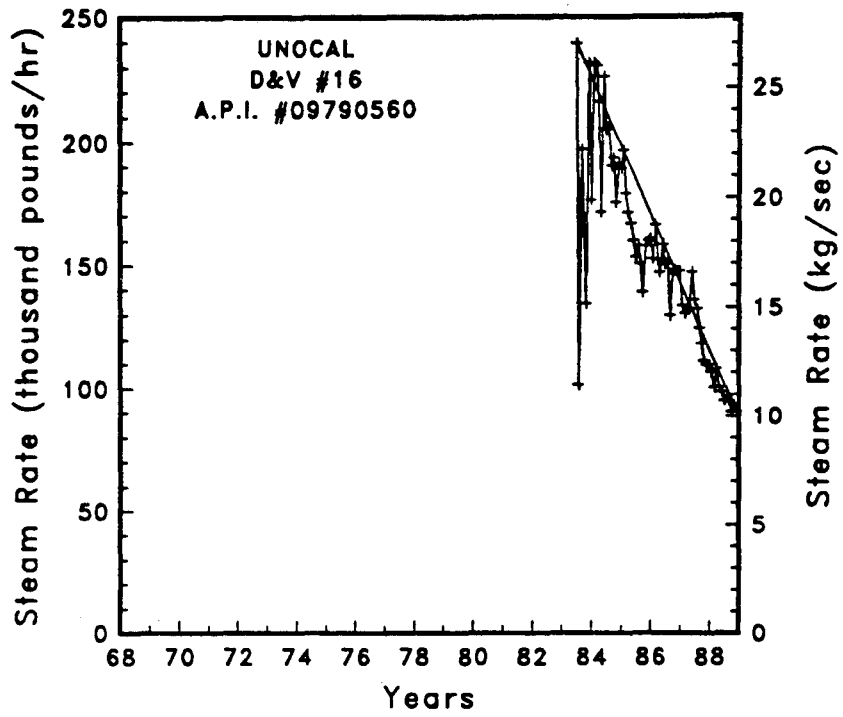


Figure A-23

Steam rate and cumulative mass flow for well D&V #16

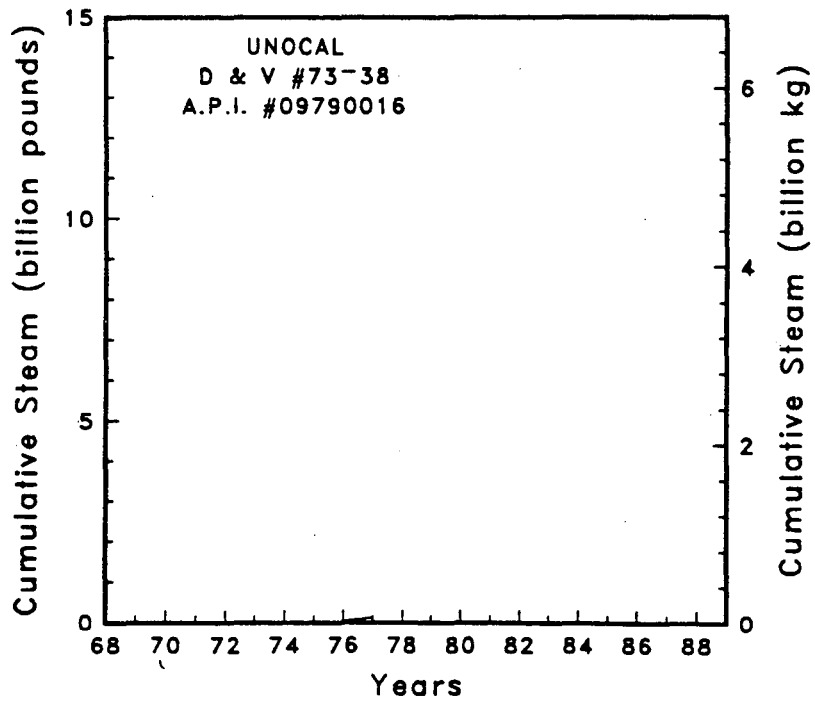
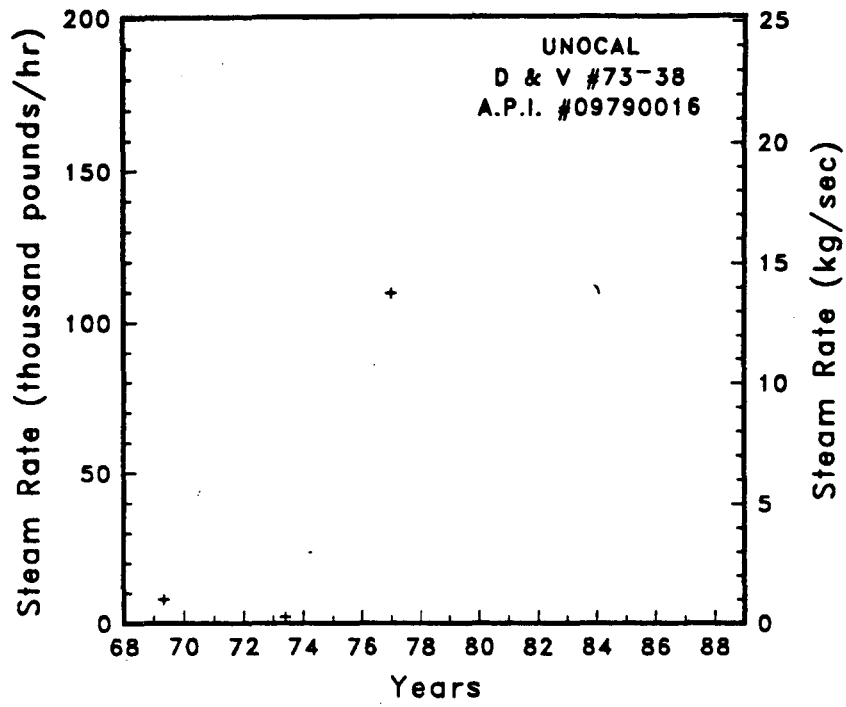


Figure A-24' Steam rate and cumulative mass flow for well D & V #73-38

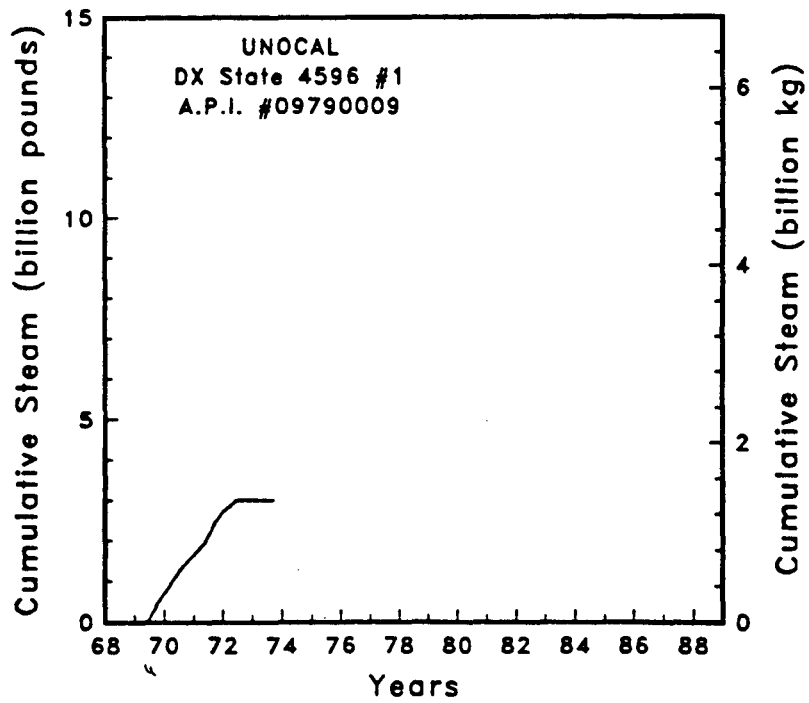
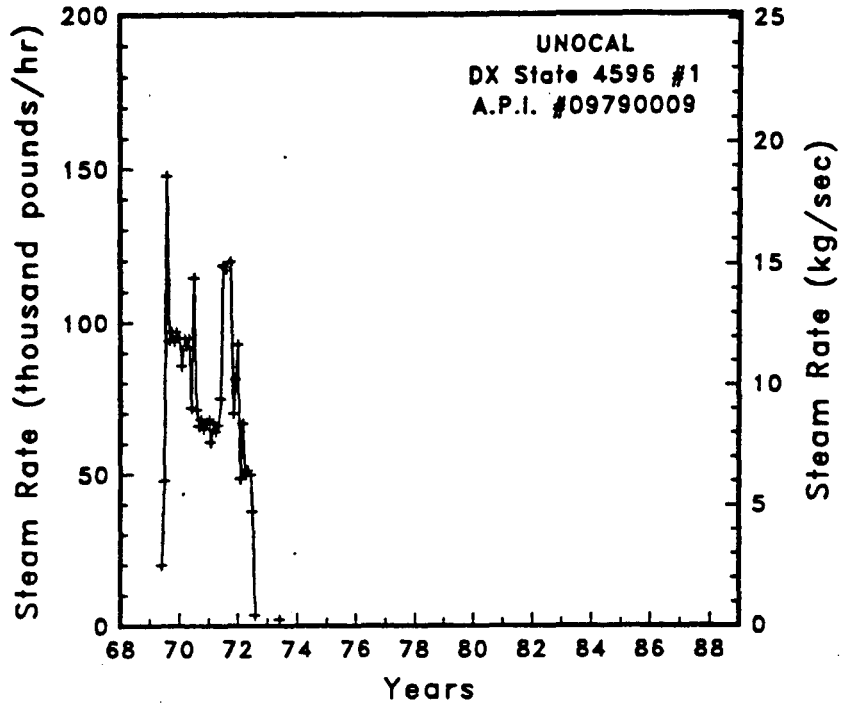


Figure A-25

Steam rate and cumulative mass flow for well DX State 4596 #1

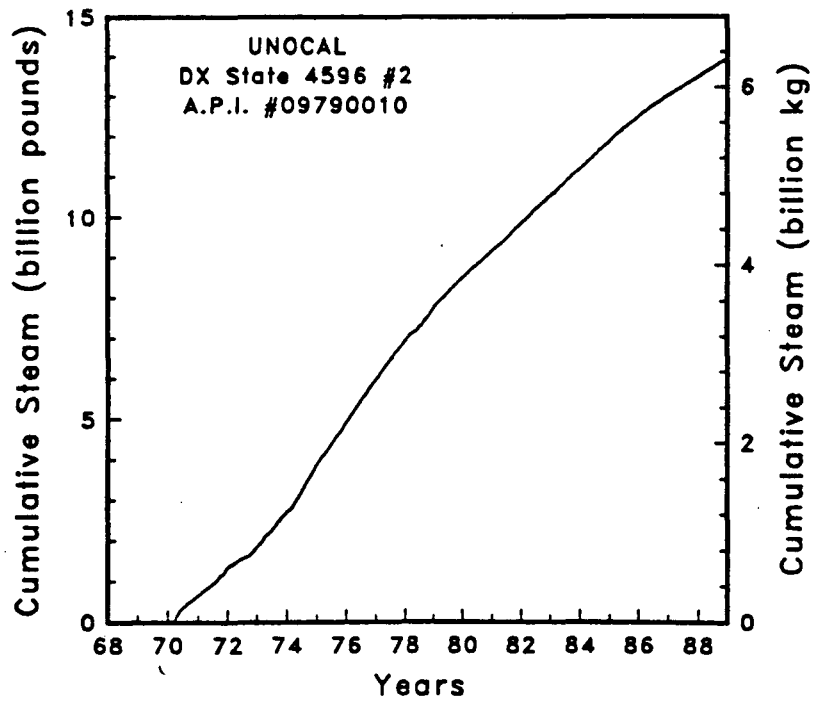
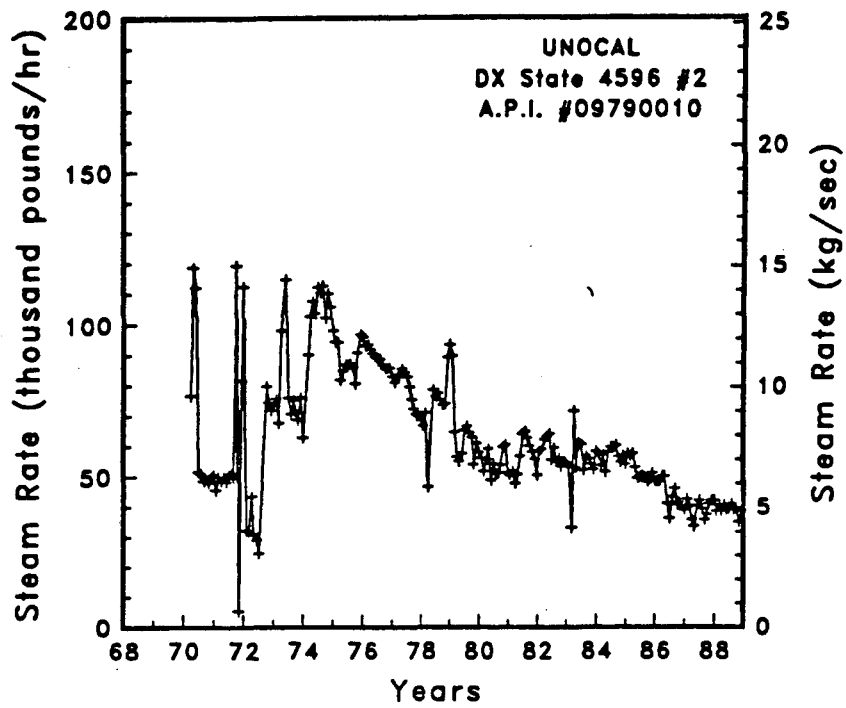


Figure A-26

Steam rate and cumulative mass flow for well DX State 4596 #2

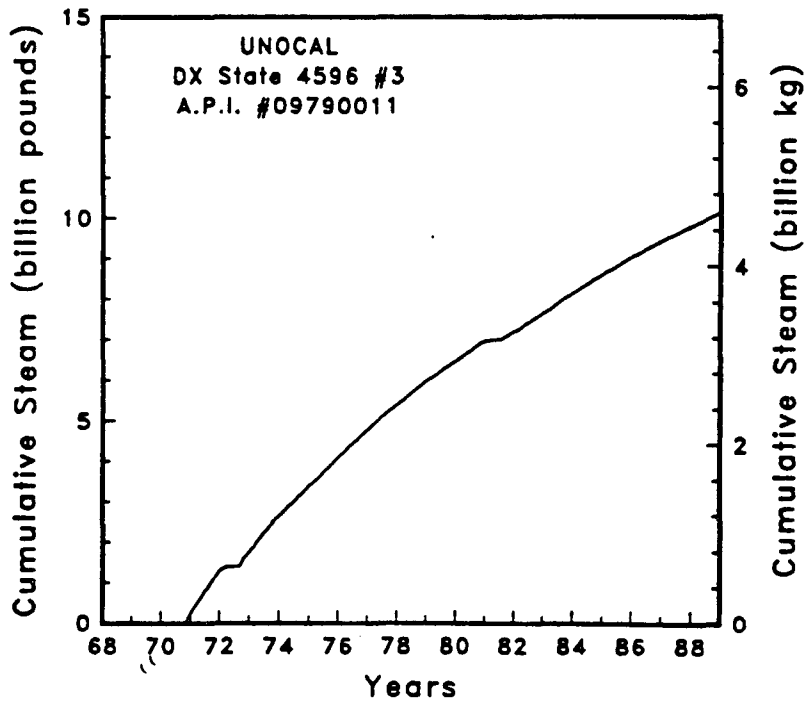
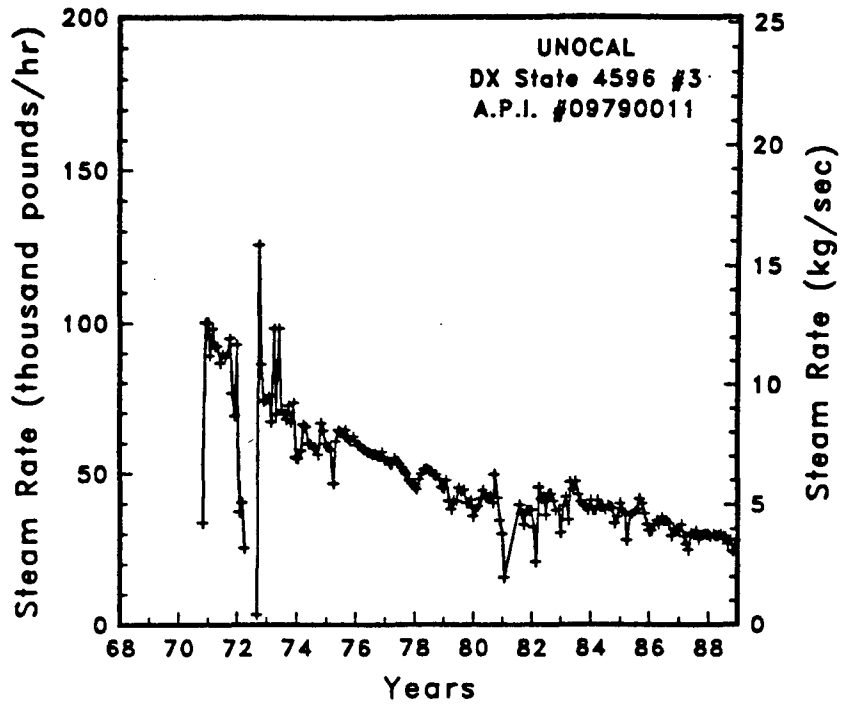


Figure A-27

Steam rate and cumulative mass flow for well DX State 4596 #3



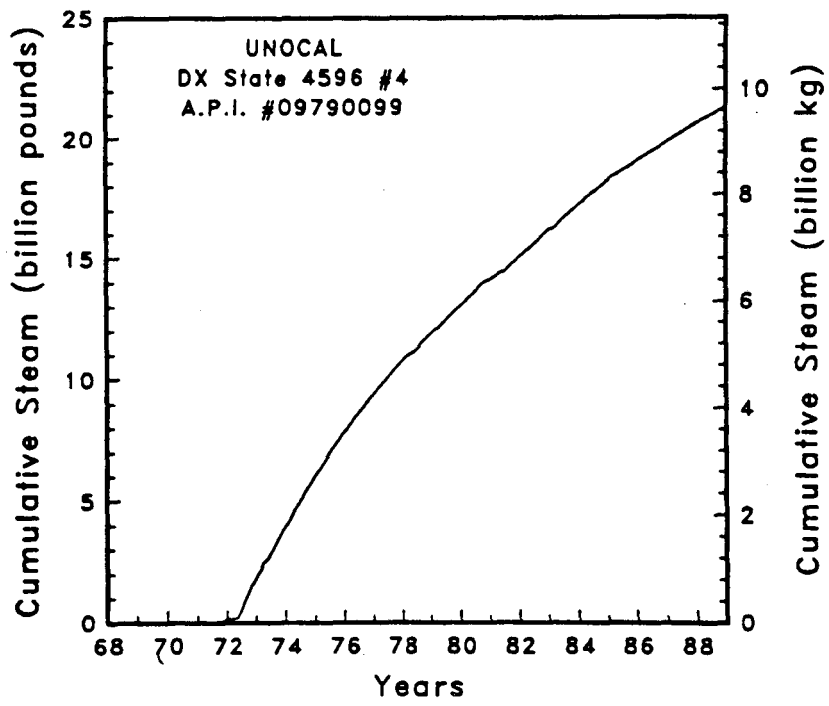
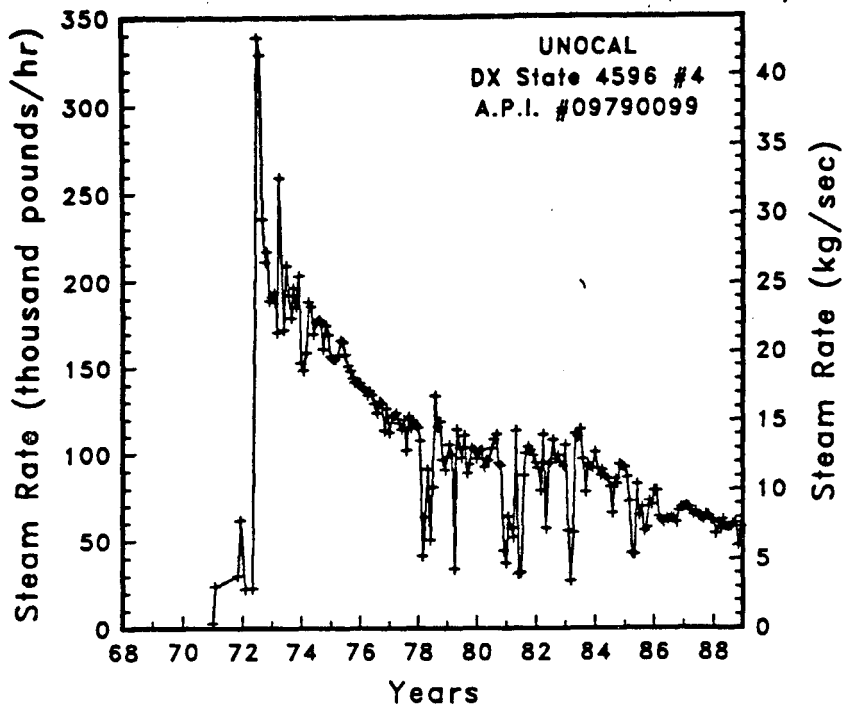


Figure A-28 Steam rate and cumulative mass flow for well DX State 4596 #4

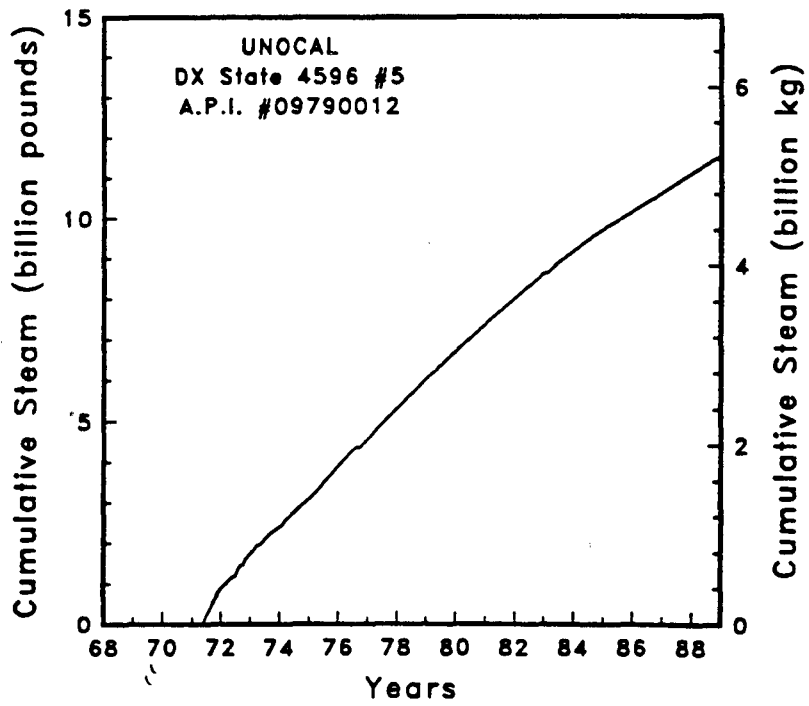
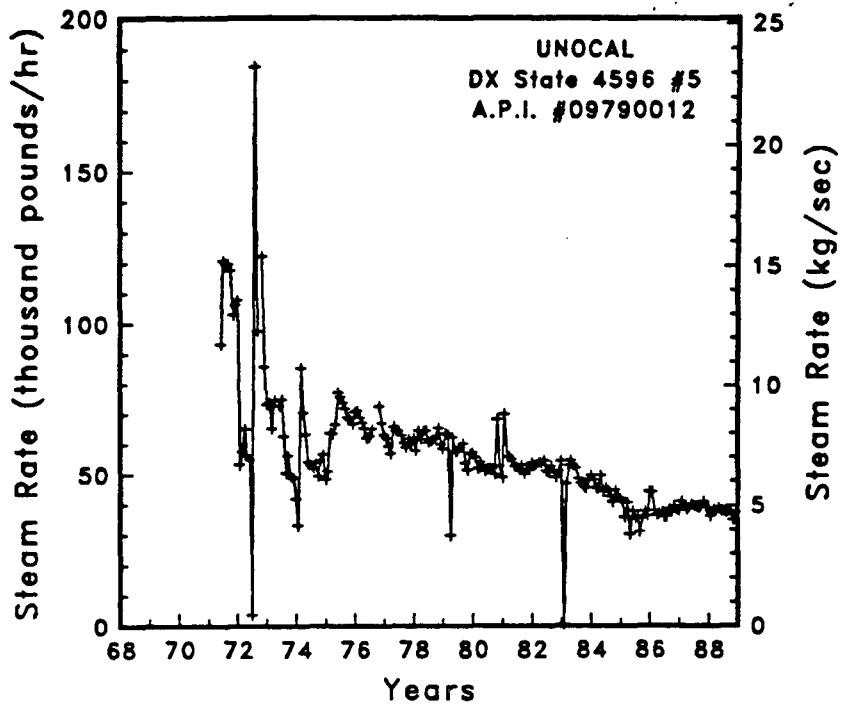


Figure A-29

Steam rate and cumulative mass flow for well DX State 4596 #5

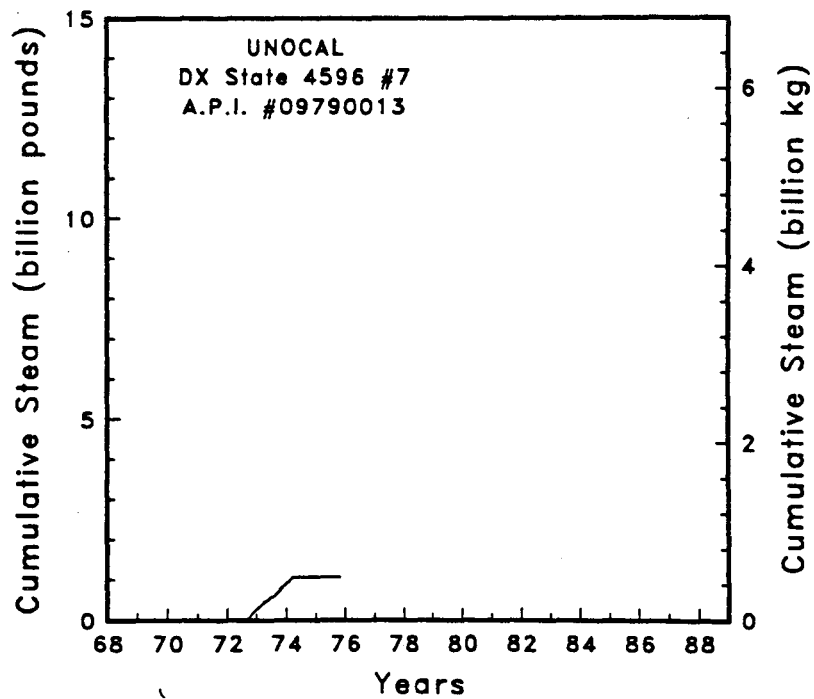
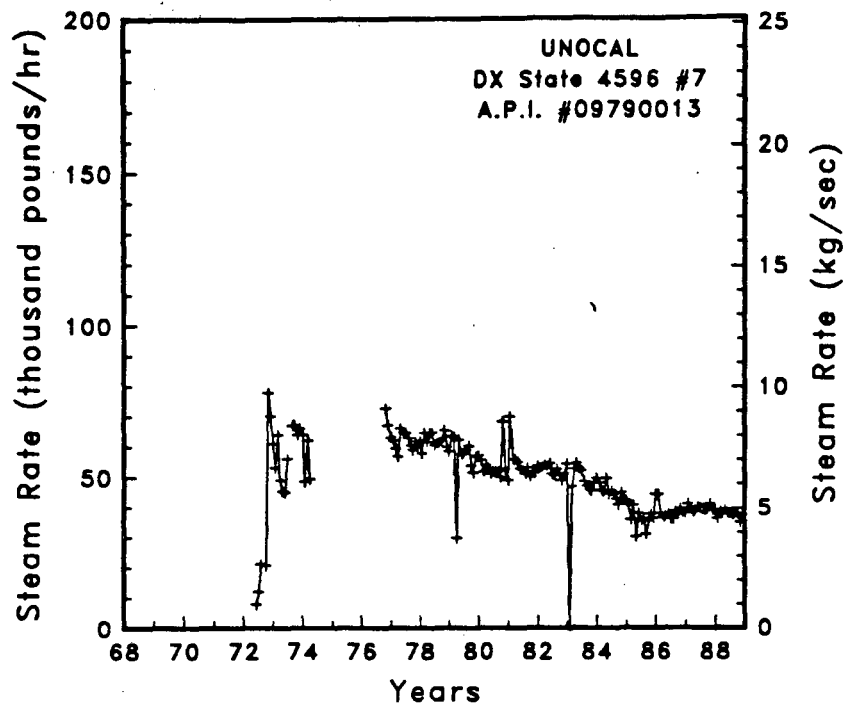


Figure A-30 Steam rate and cumulative mass flow for well DX State 4596 #7

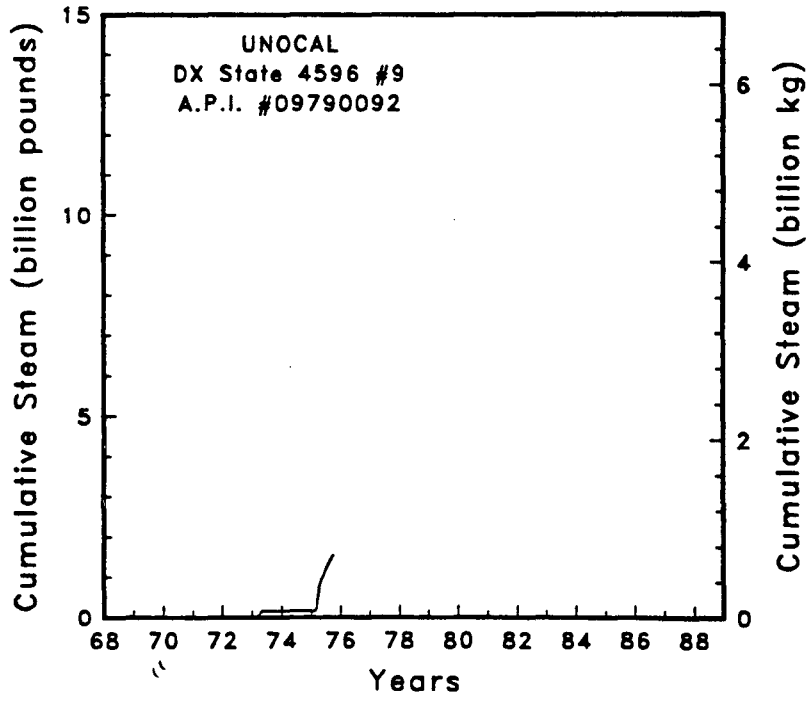
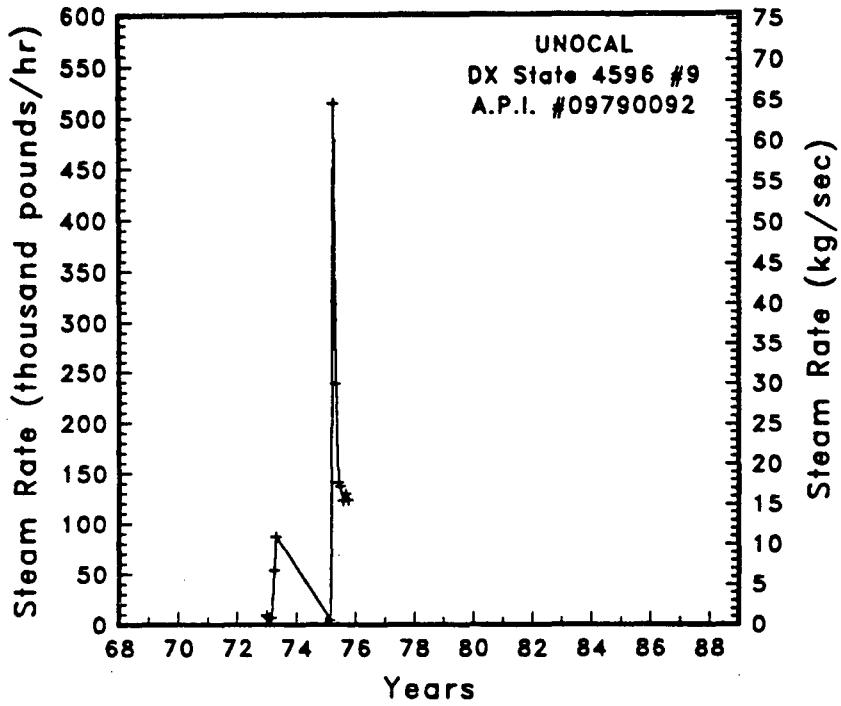


Figure A-31 Steam rate and cumulative mass flow for well DX State 4596 #9

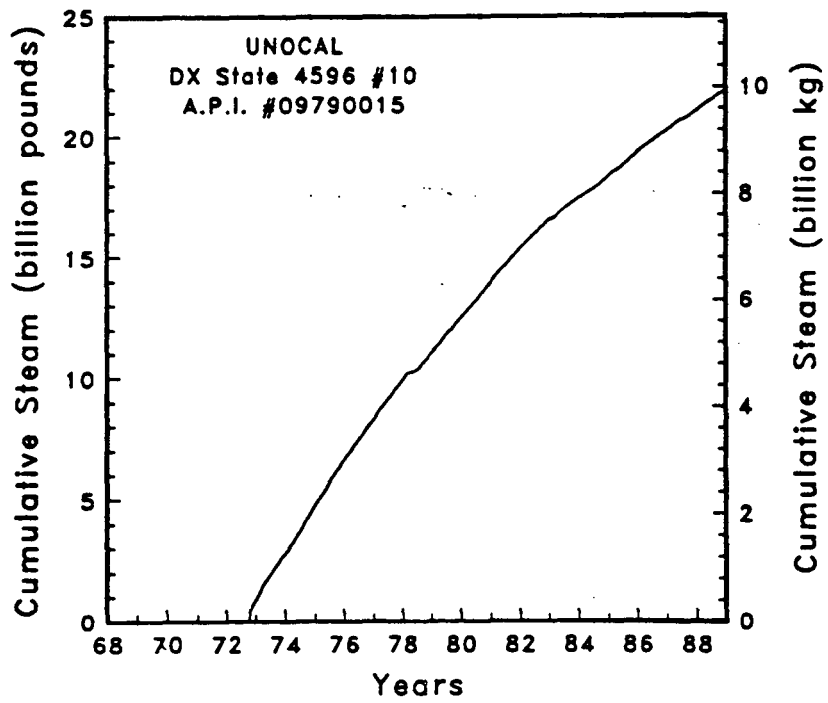
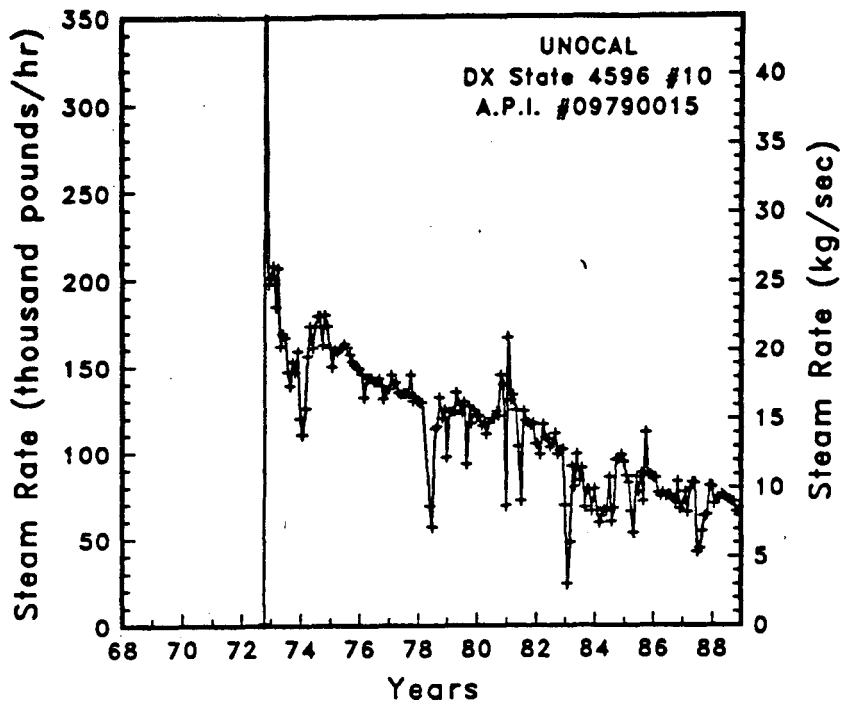


Figure A-32

Steam rate and cumulative mass flow for well DX State 4596 #10

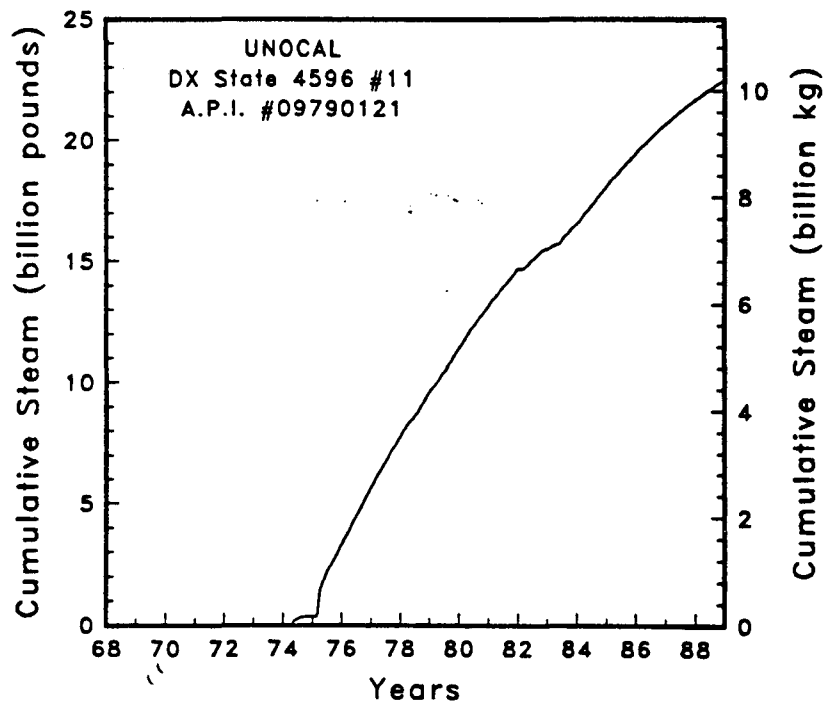
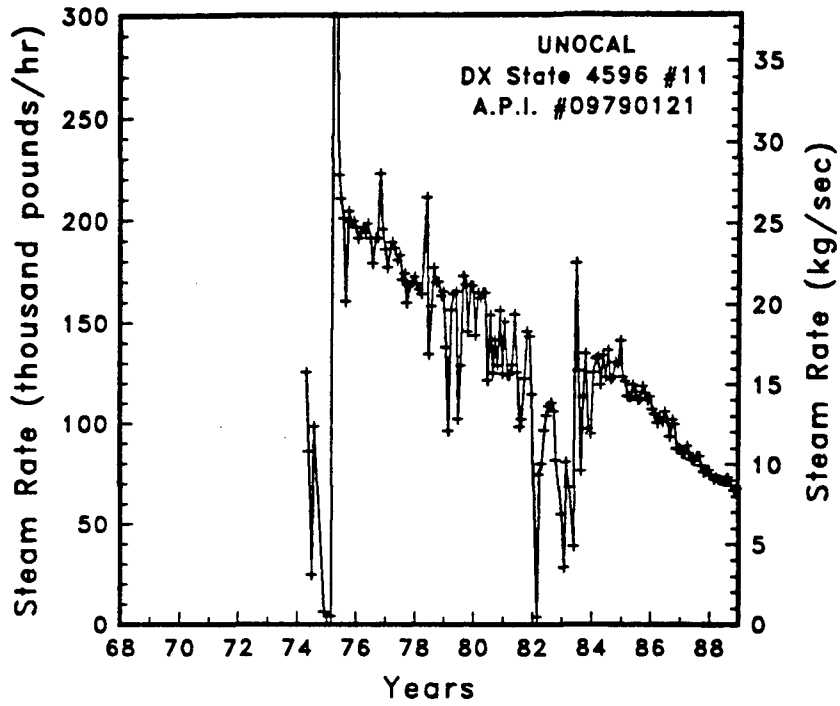


Figure A-33

Steam rate and cumulative mass flow for well DX State 4596 #11

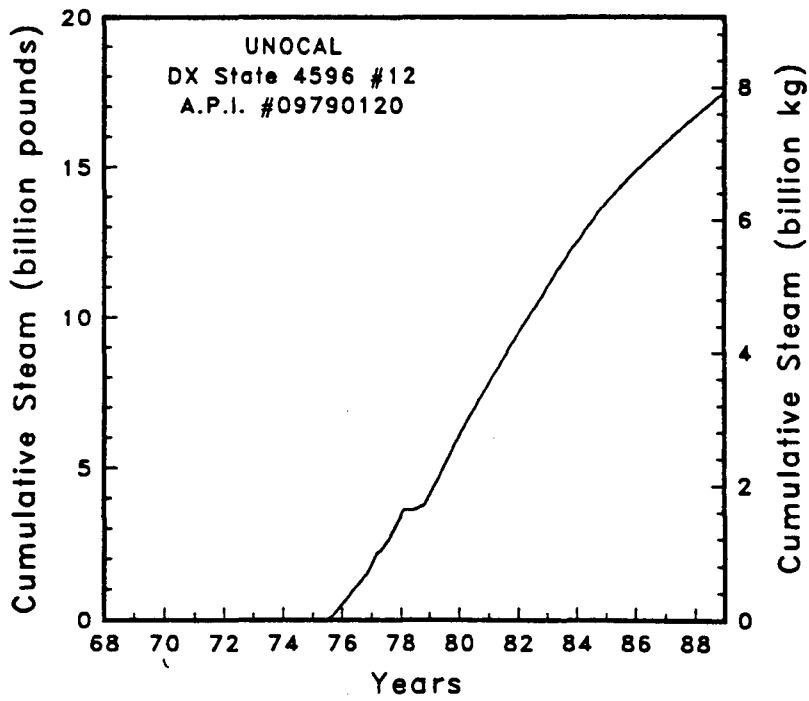
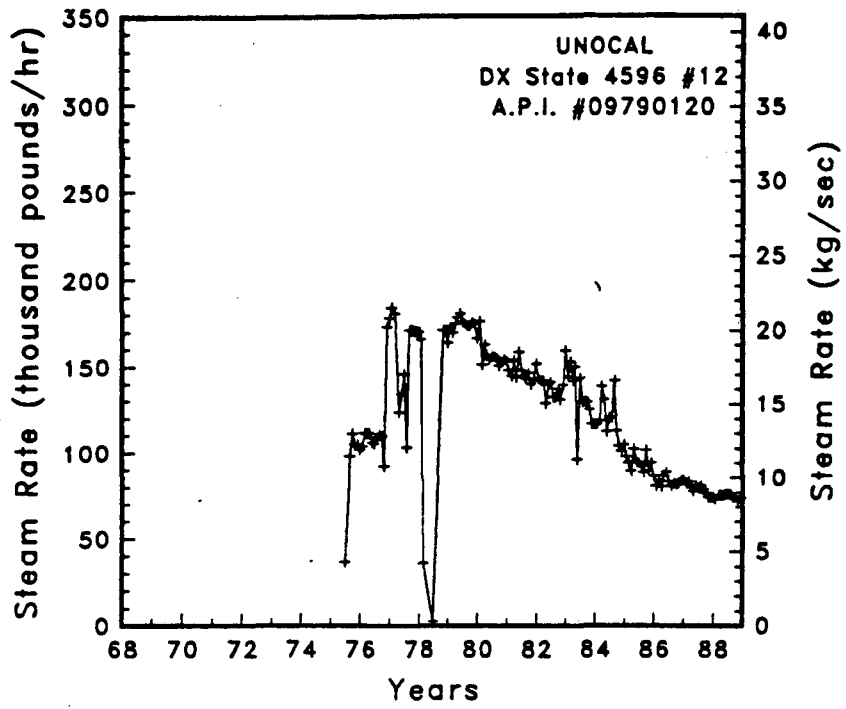


Figure A-34 Steam rate and cumulative mass flow for well DX State 4596 #12

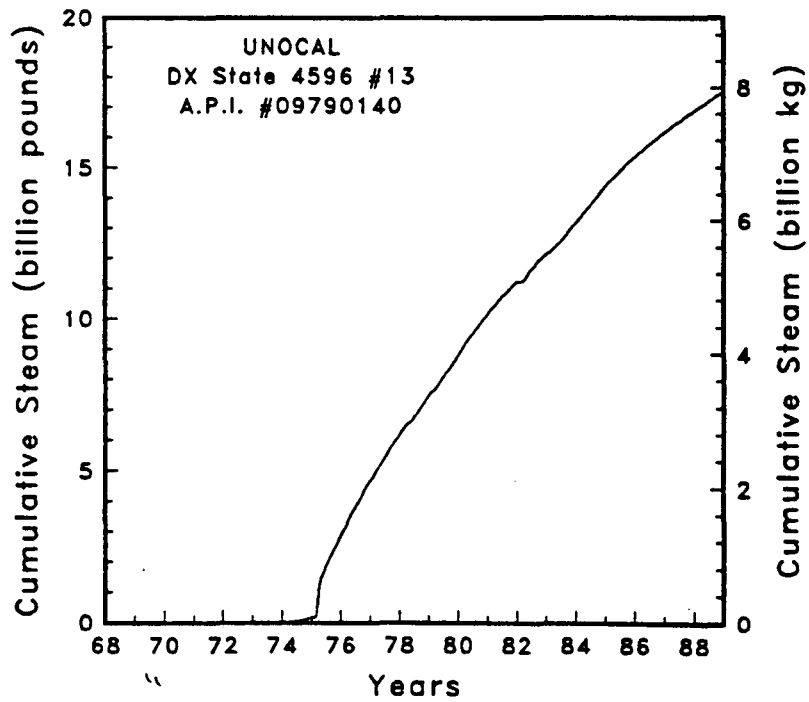
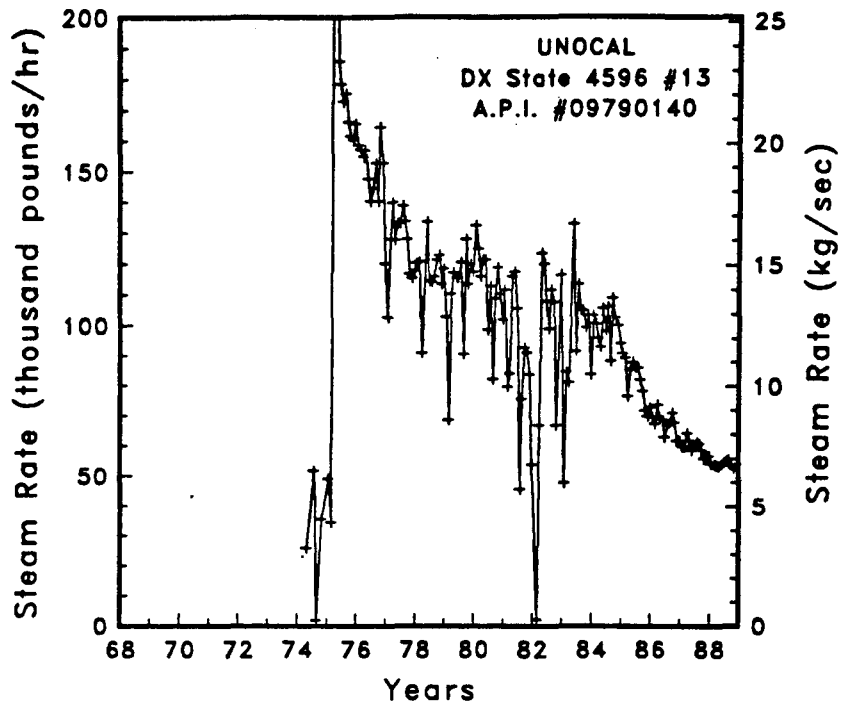


Figure A-35 Steam rate and cumulative mass flow for well DX State 4596 #13



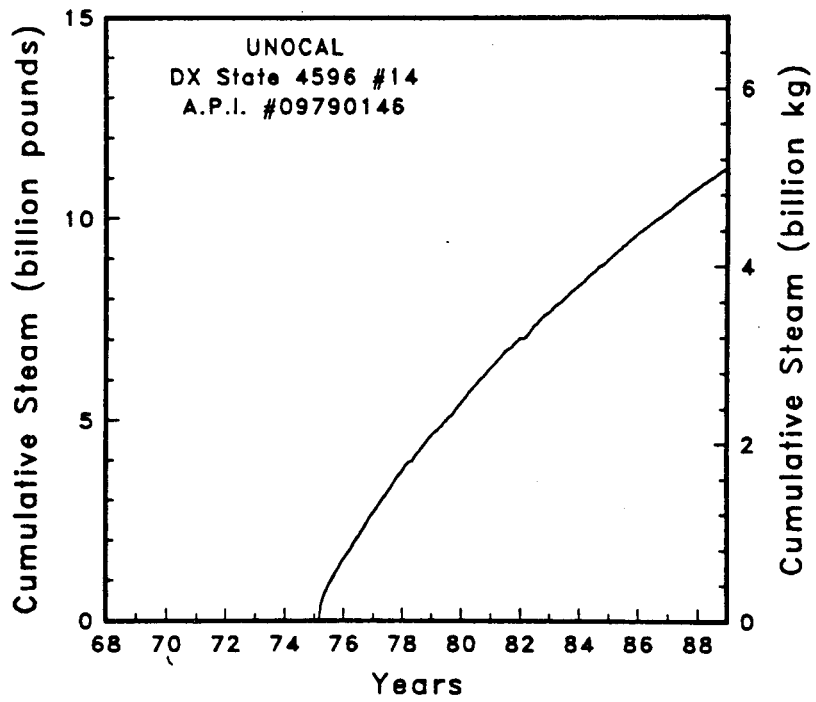
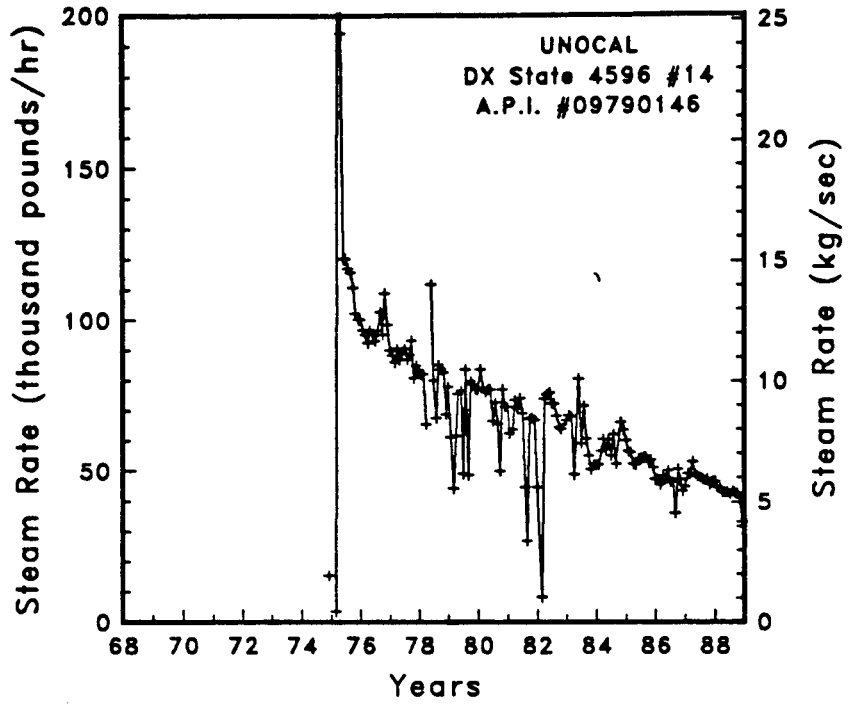


Figure A-36 Steam rate and cumulative mass flow for well DX State 4596 #14

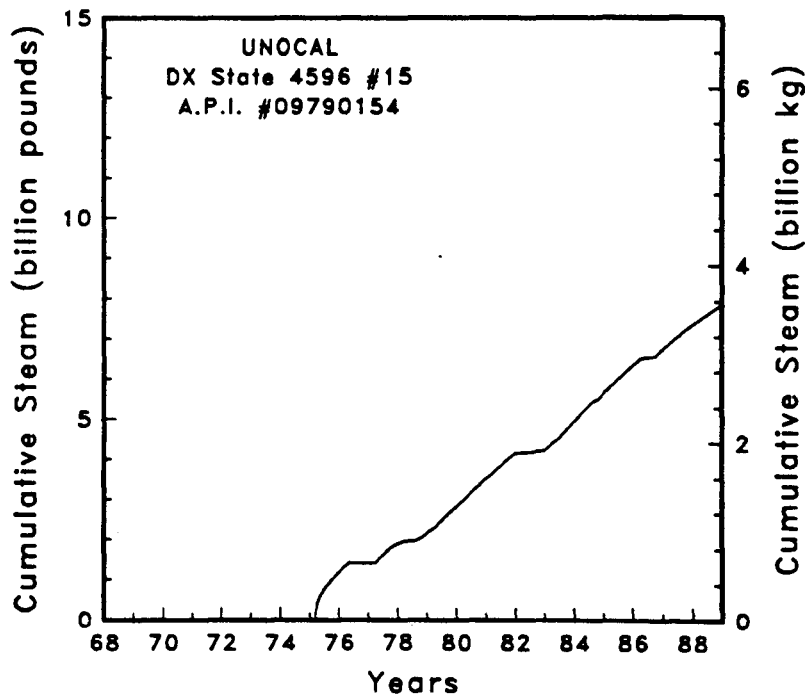
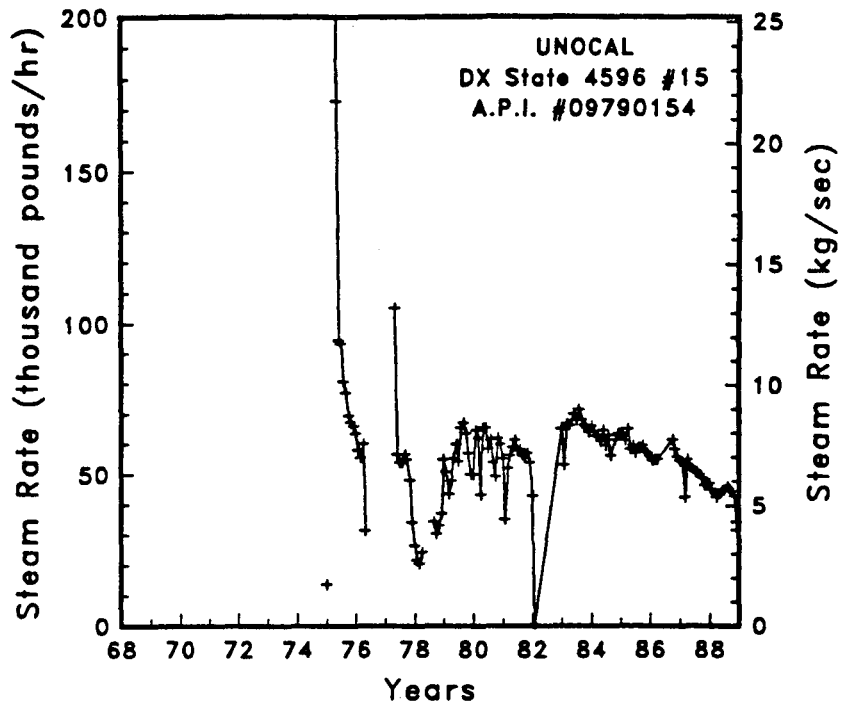


Figure A-37 Steam rate and cumulative mass flow for well DX State 4596 #15

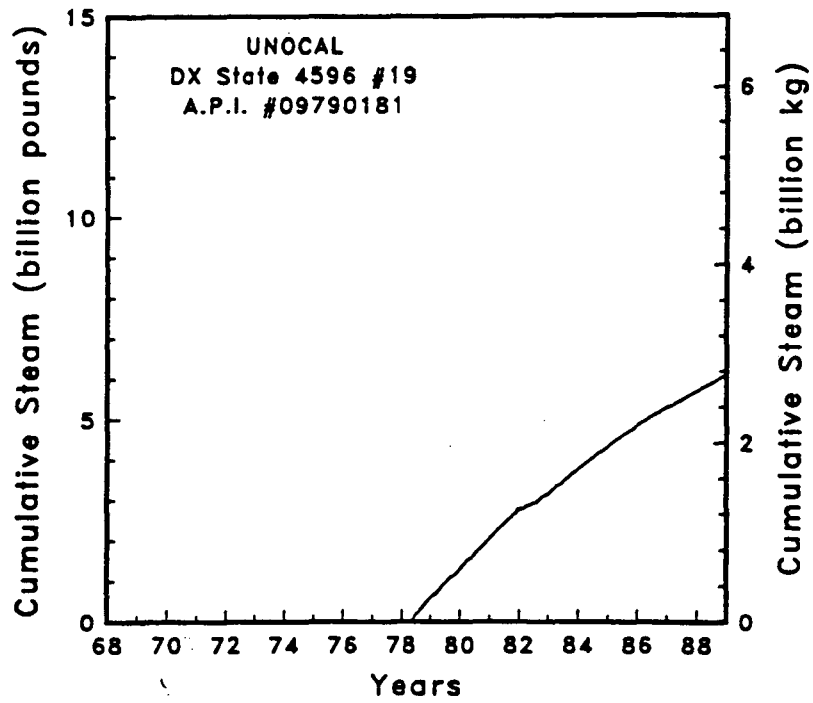
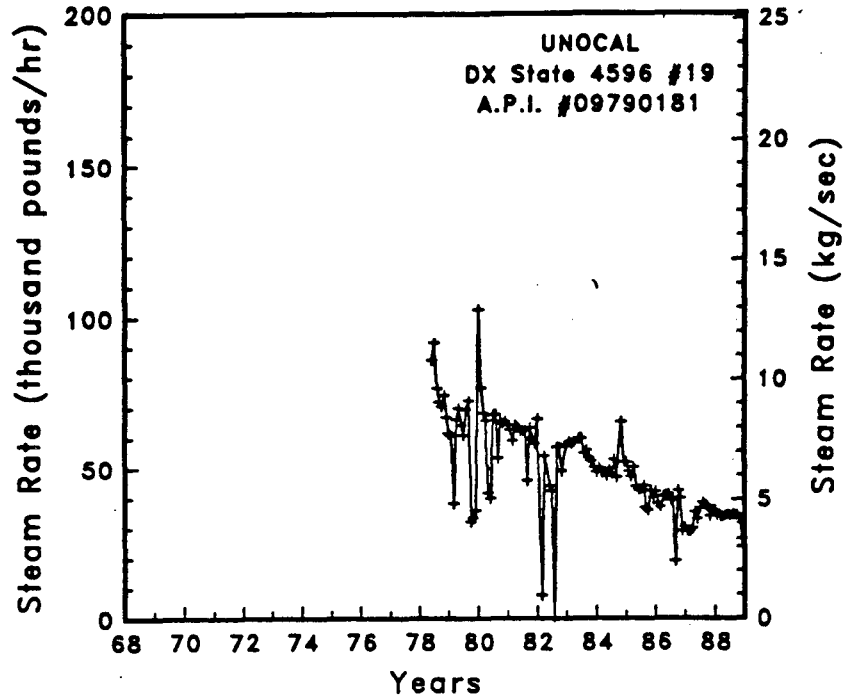


Figure A-38

Steam rate and cumulative mass flow for well DX State 4596 #19

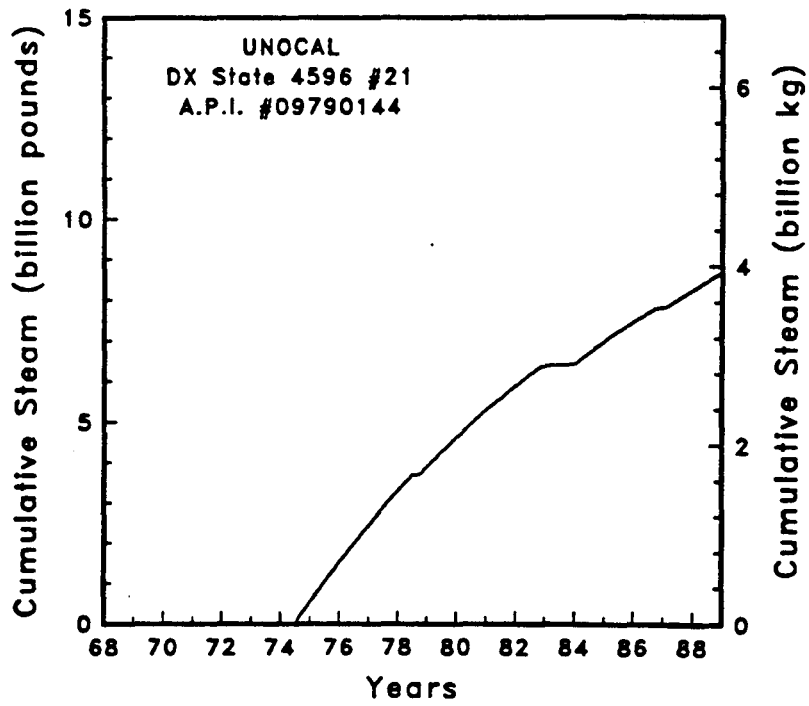
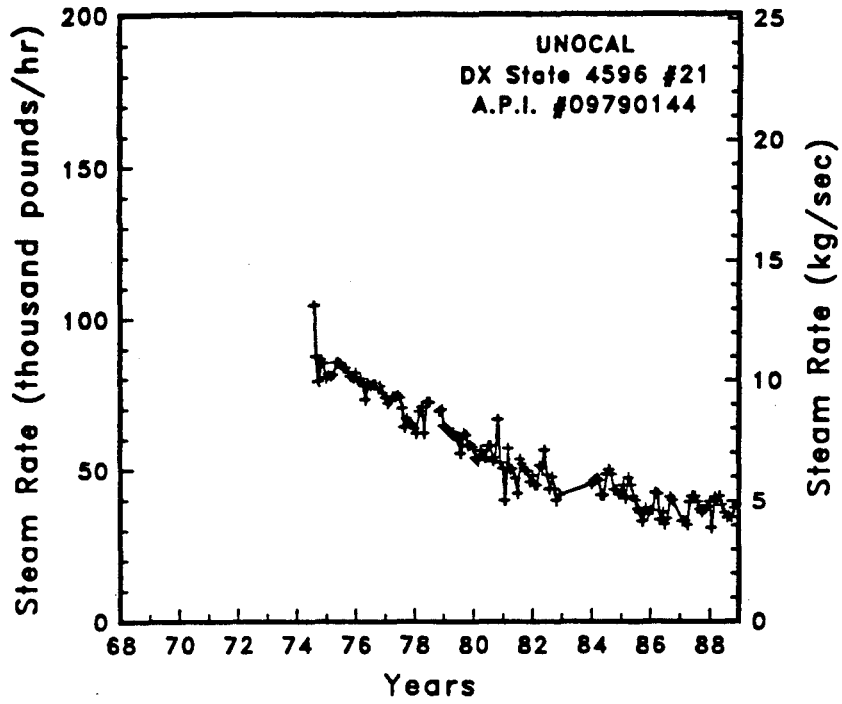


Figure A-39

Steam rate and cumulative mass flow for well DX State 4596 #21

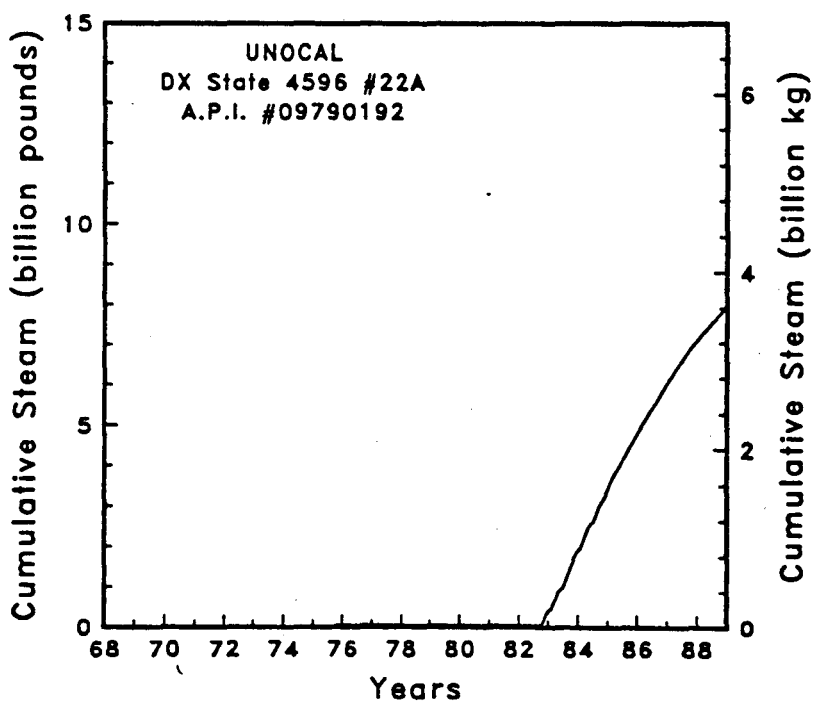
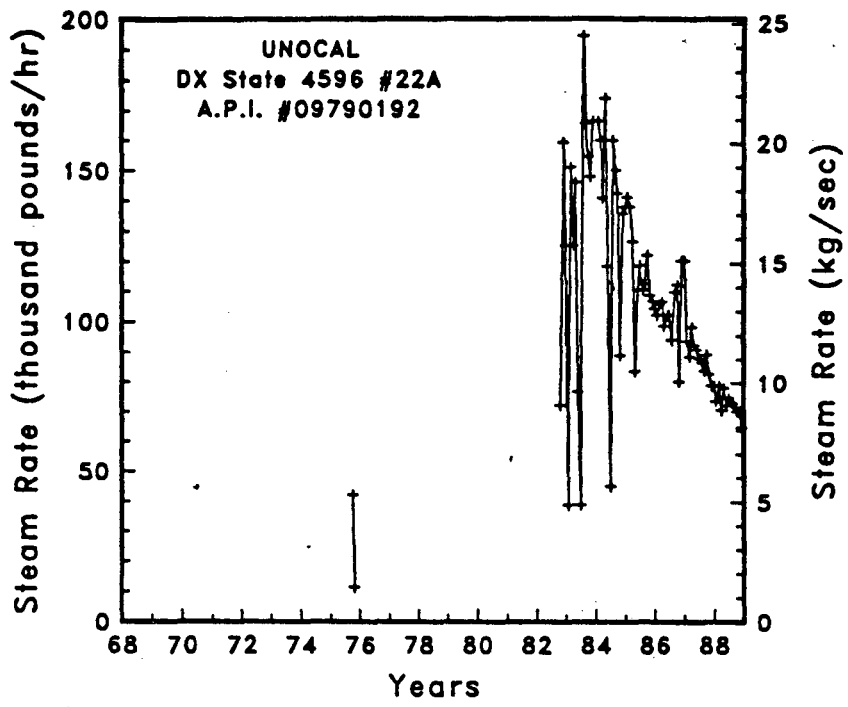


Figure A-40 Steam rate and cumulative mass flow for well DX State 4596 #22A

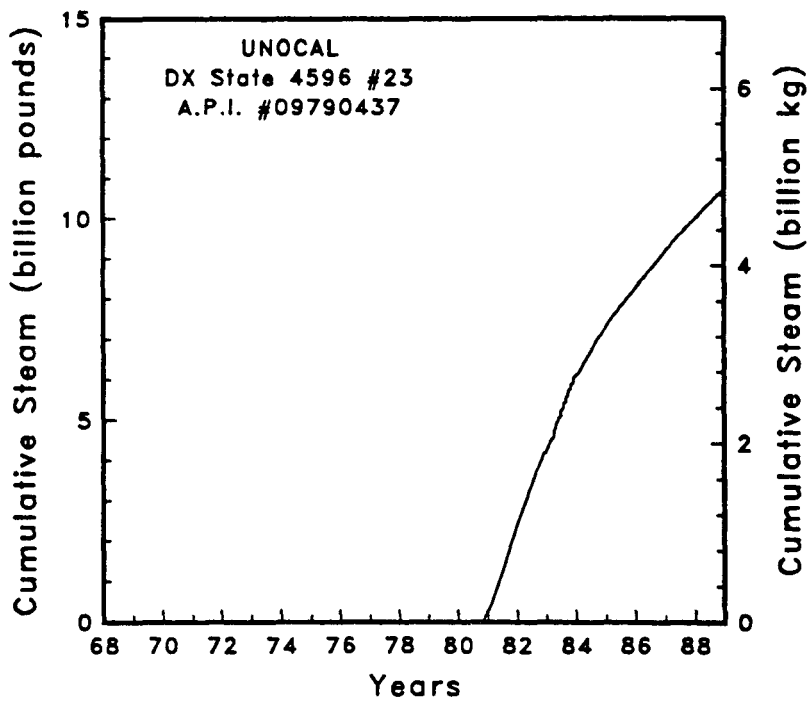
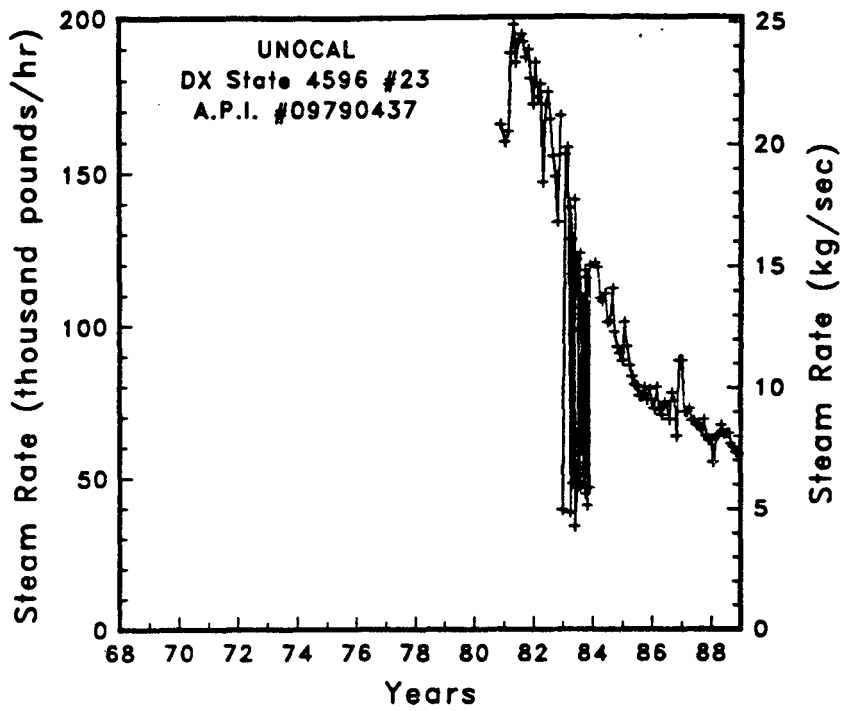


Figure A-41 Steam rate and cumulative mass flow for well DX State 4596 #23

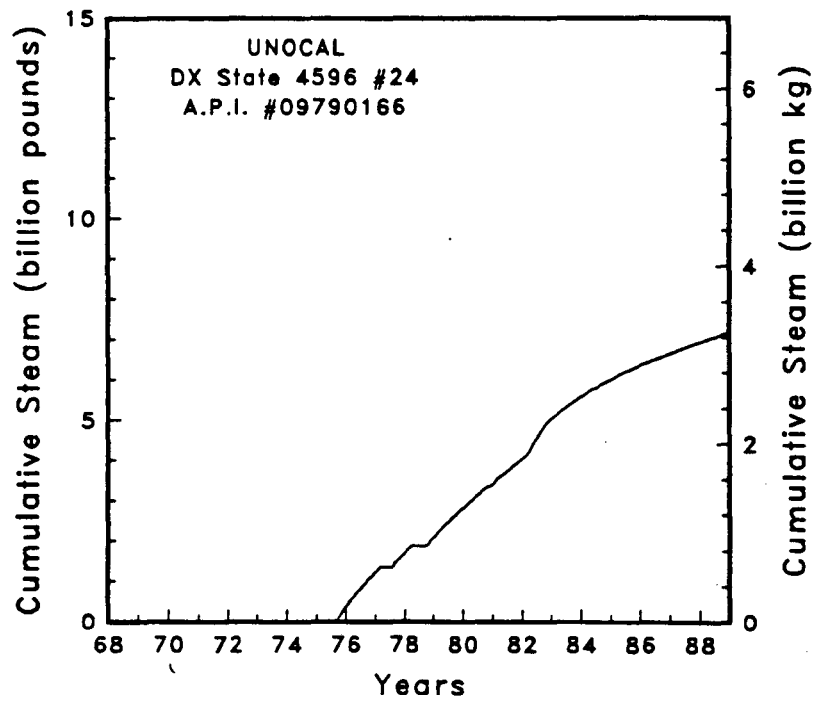
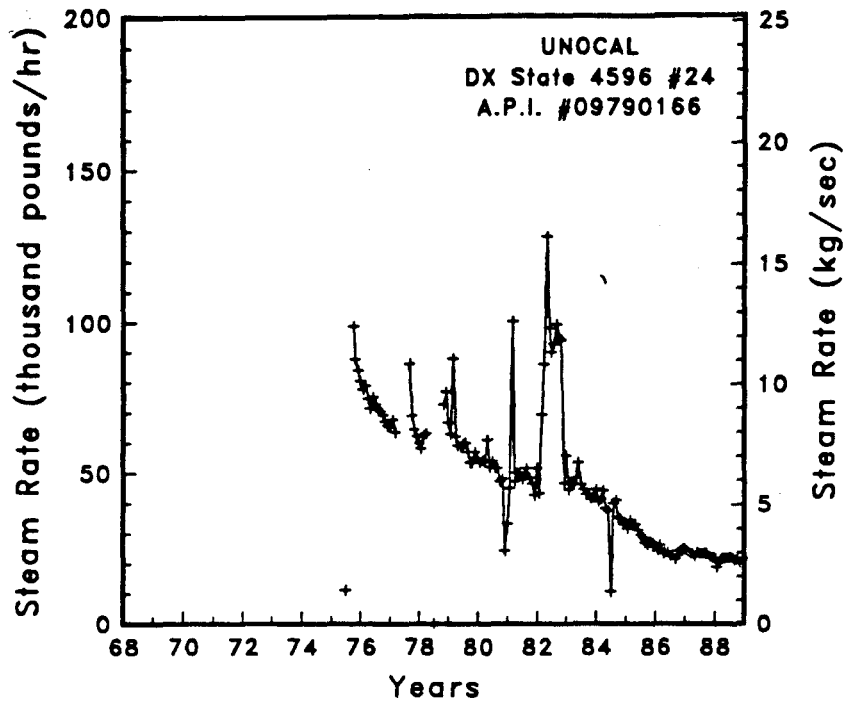


Figure A-42 Steam rate and cumulative mass flow for well DX State 4596 #24

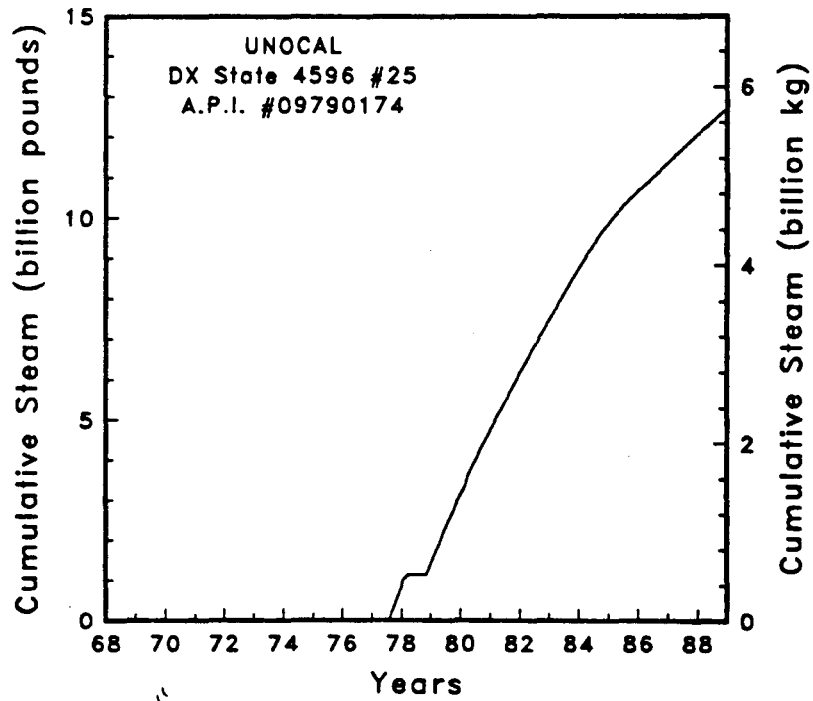
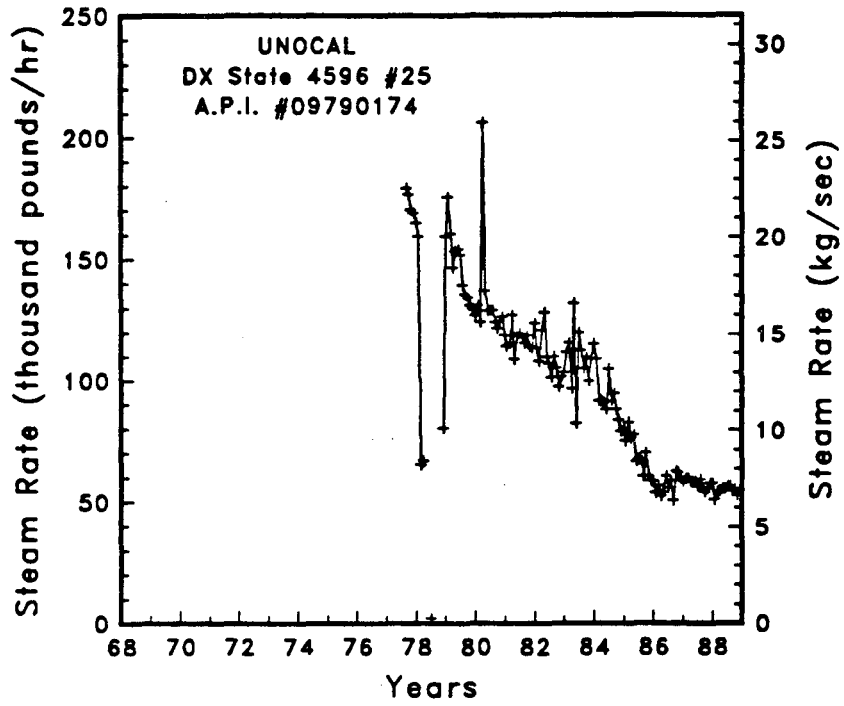


Figure A-43, Steam rate and cumulative mass flow for well DX State 4596 #25



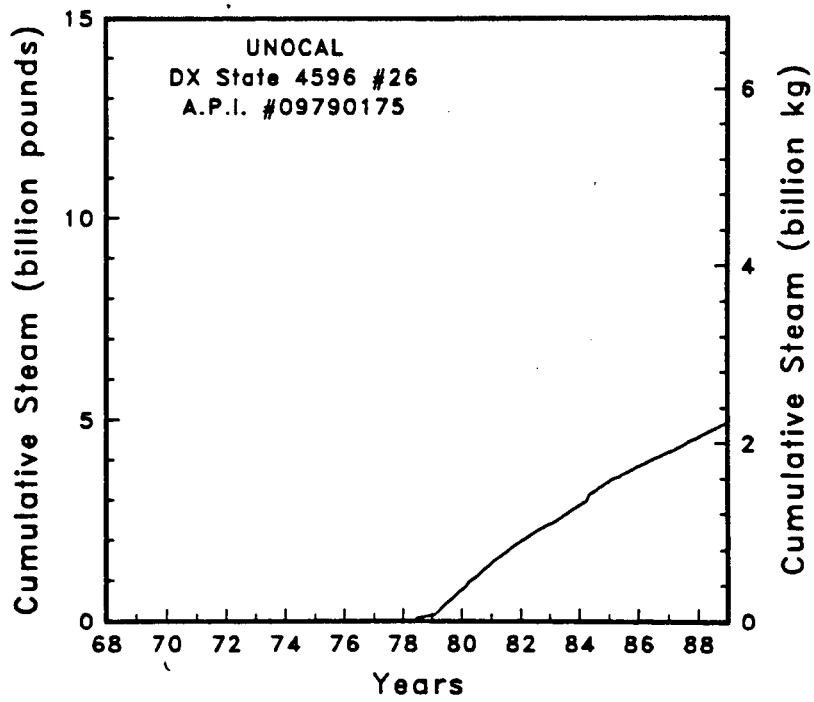
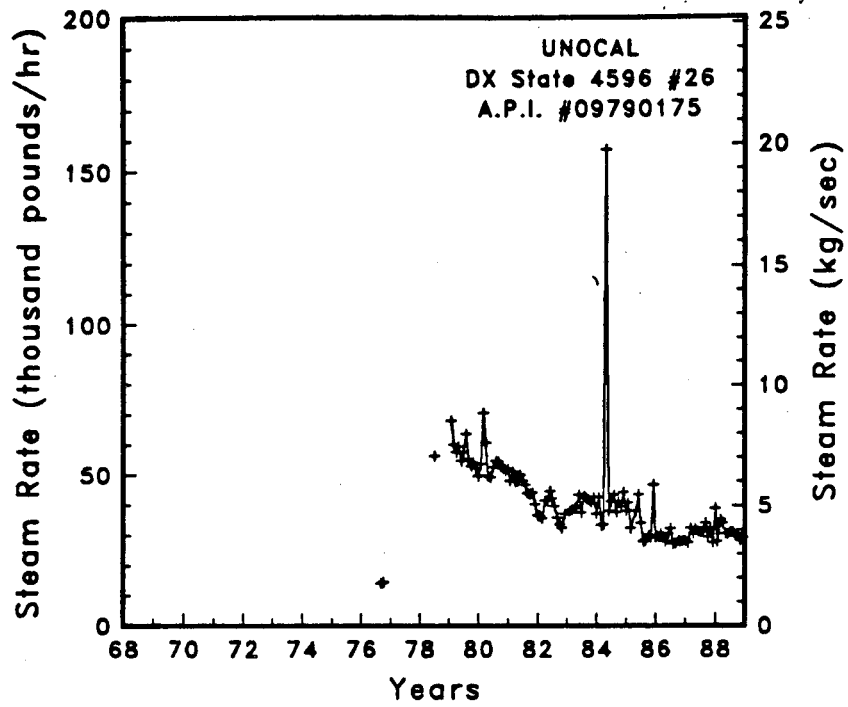


Figure A-44

Steam rate and cumulative mass flow for well DX State 4596 #26

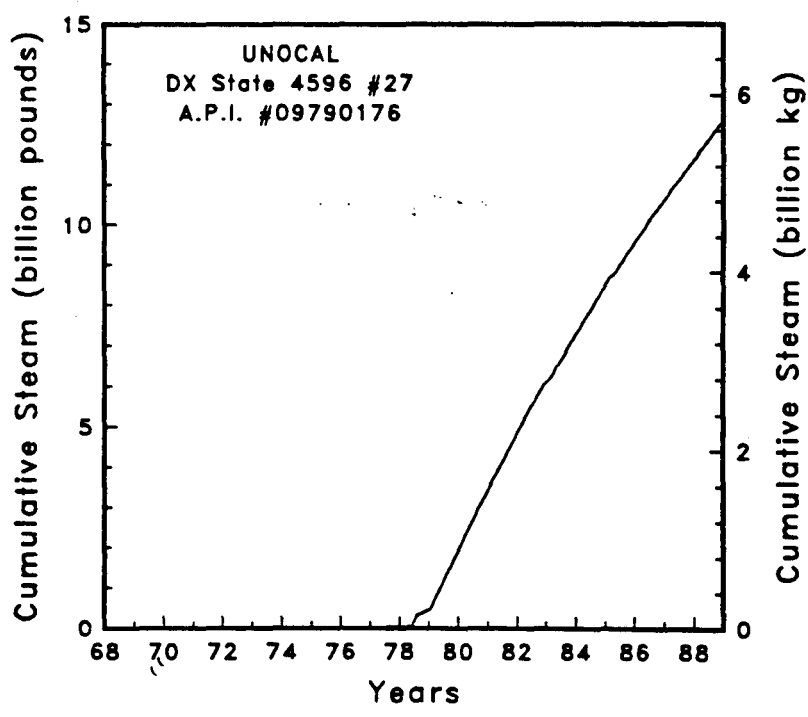
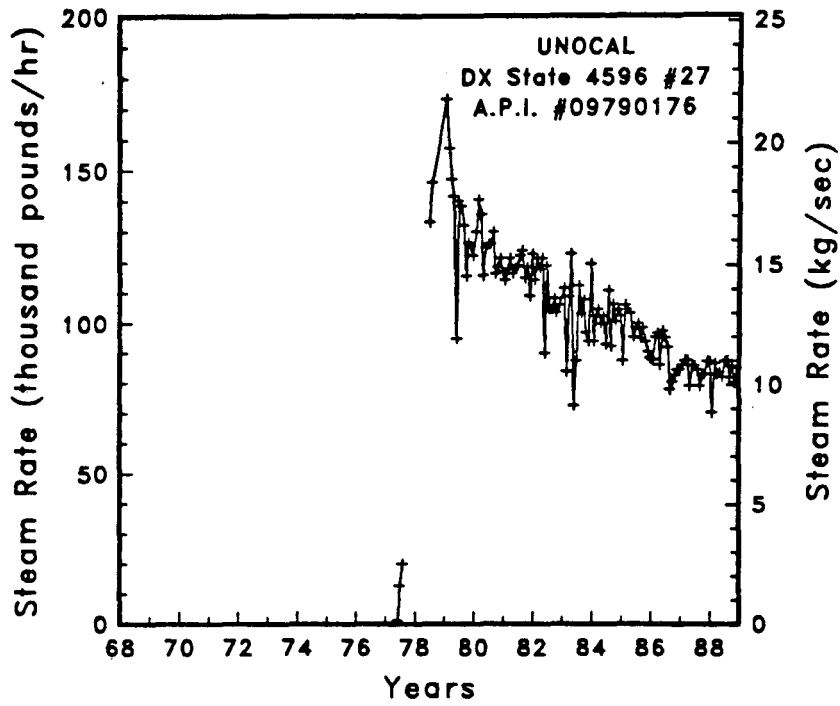


Figure A-45 Steam rate and cumulative mass flow for well DX State 4596 #27

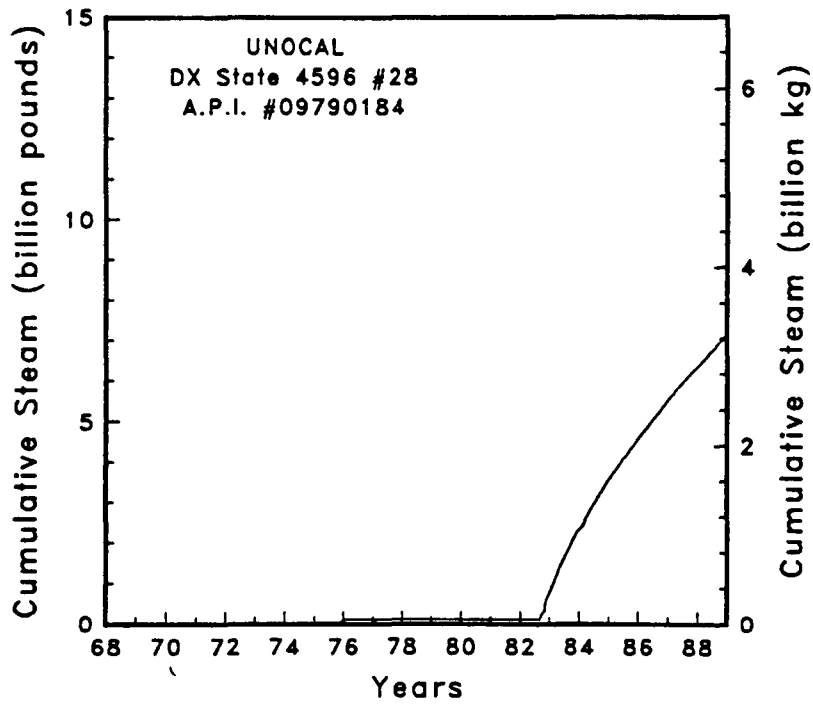
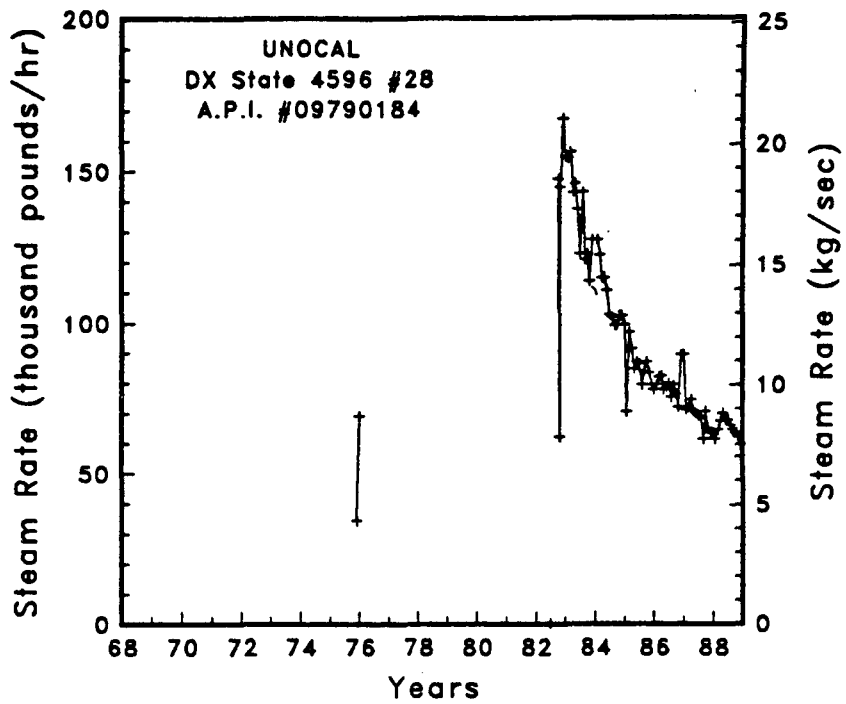


Figure A-46

Steam rate and cumulative mass flow for well DX State 4596 #28

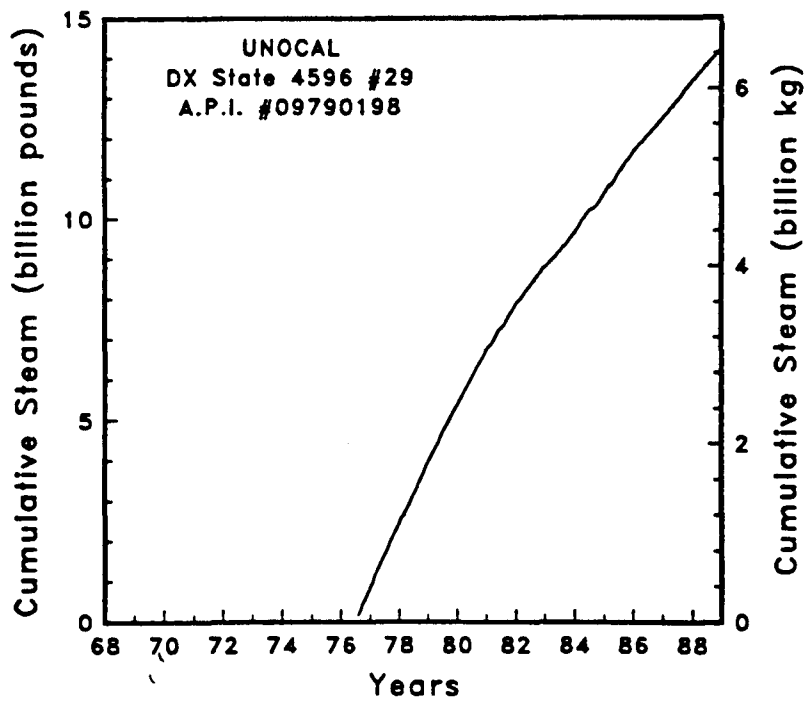
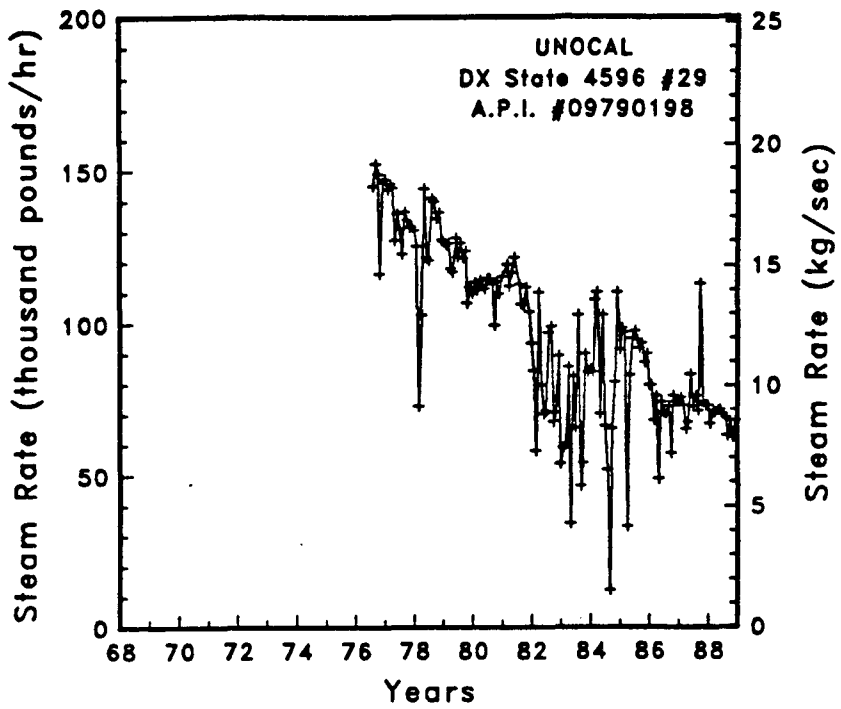


Figure A-47 Steam rate and cumulative mass flow for well DX State 4596 #29

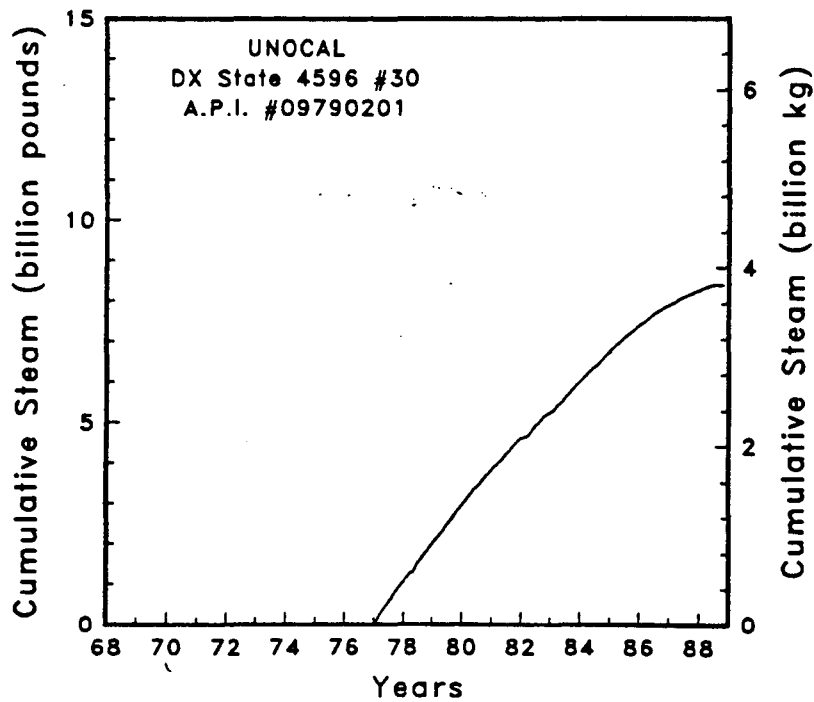
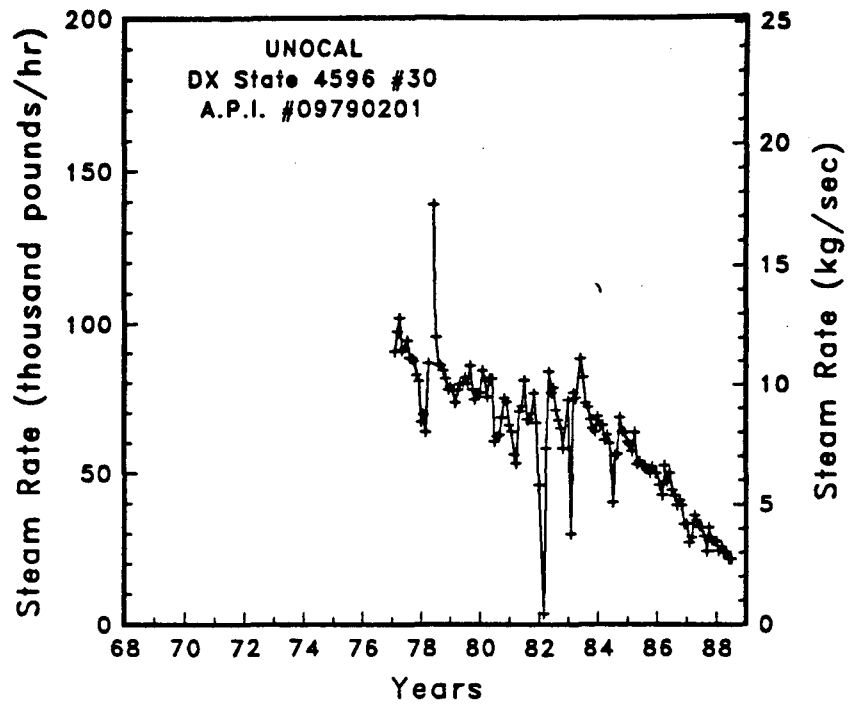


Figure A-48

Steam rate and cumulative mass flow for well DX State 4596 #30

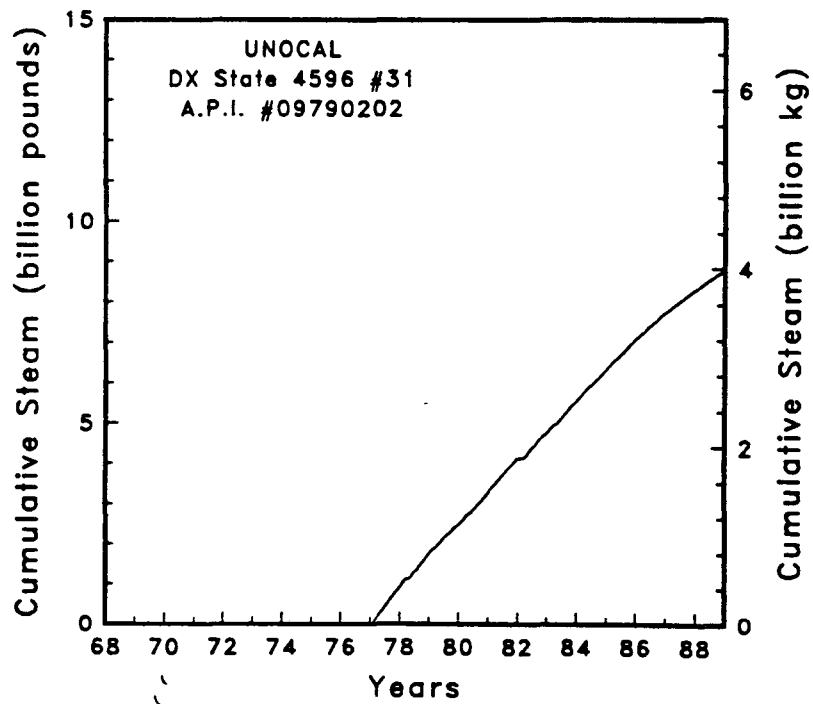
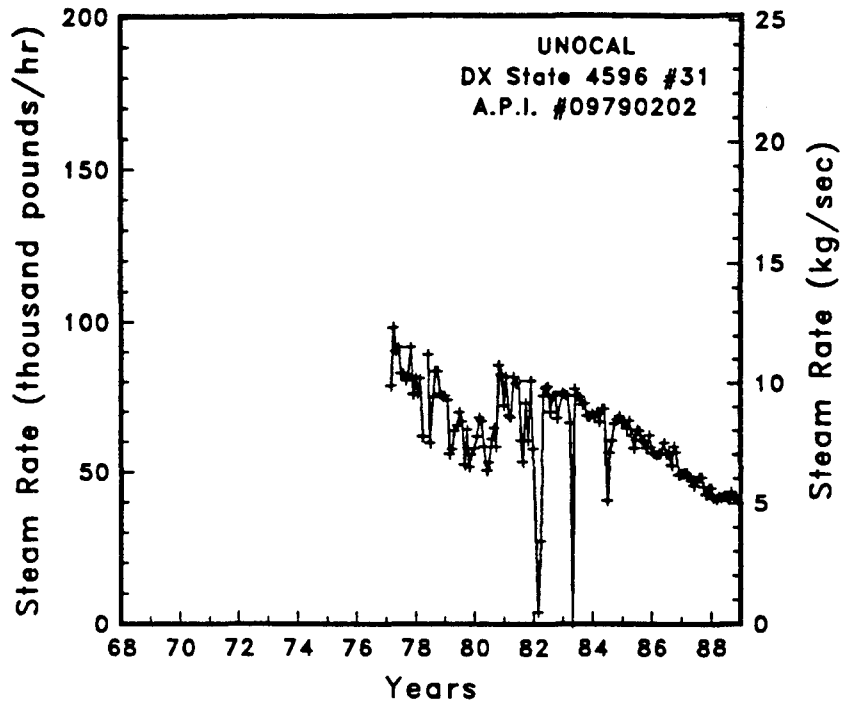


Figure A-49

Steam rate and cumulative mass flow for well DX State 4596 #31

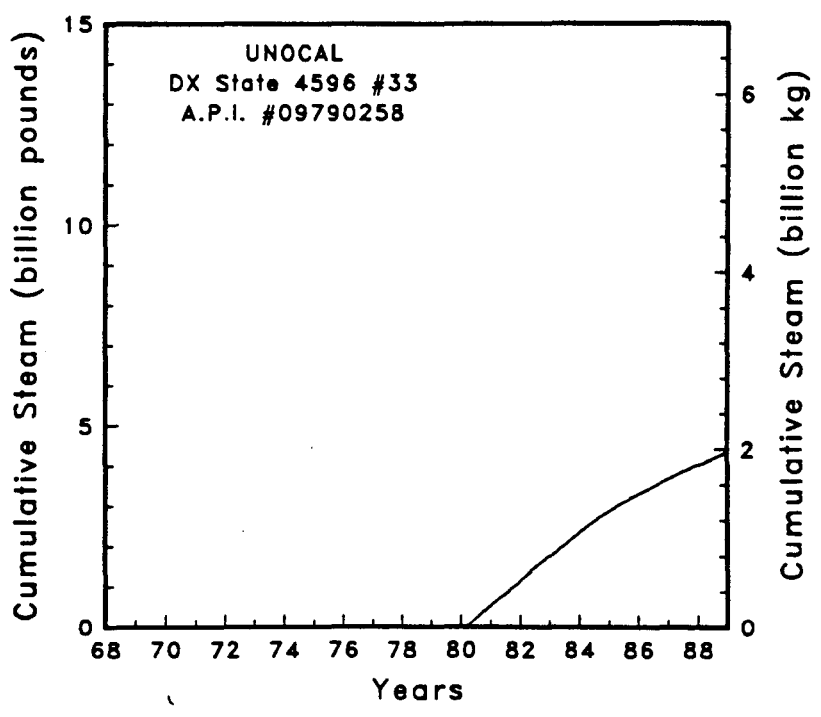
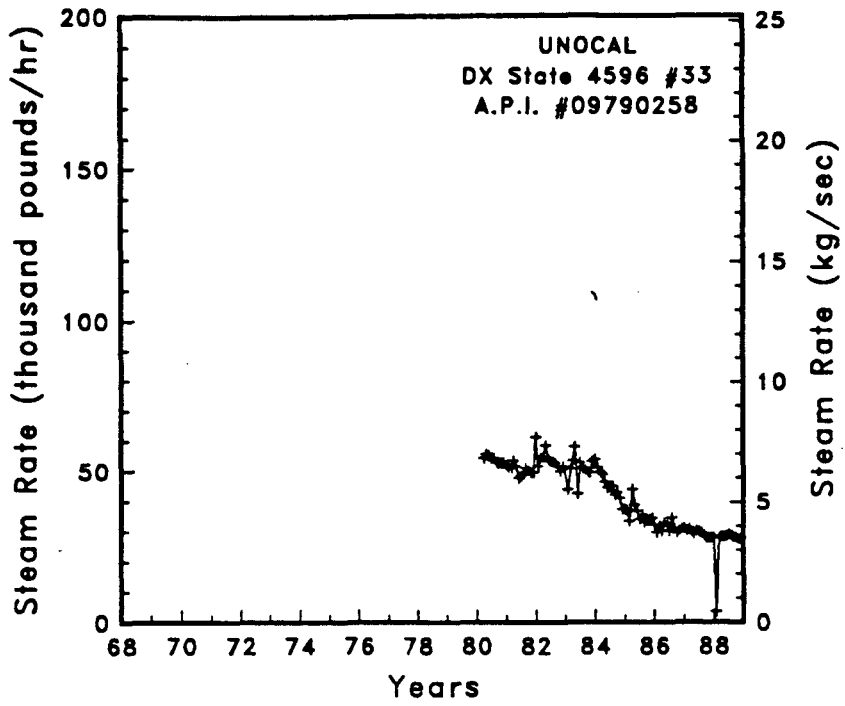


Figure A-50 Steam rate and cumulative mass flow for well DX State 4596 #33

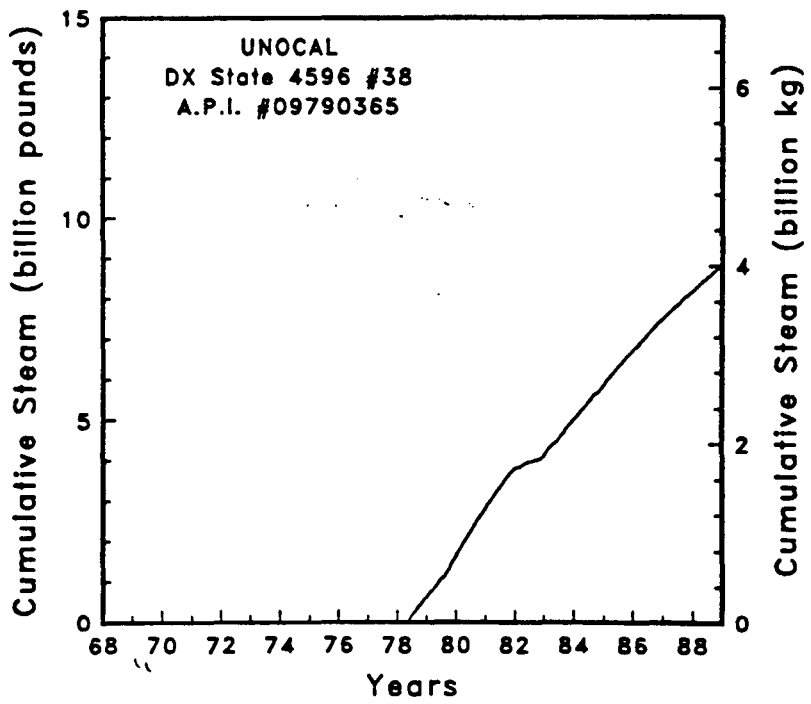
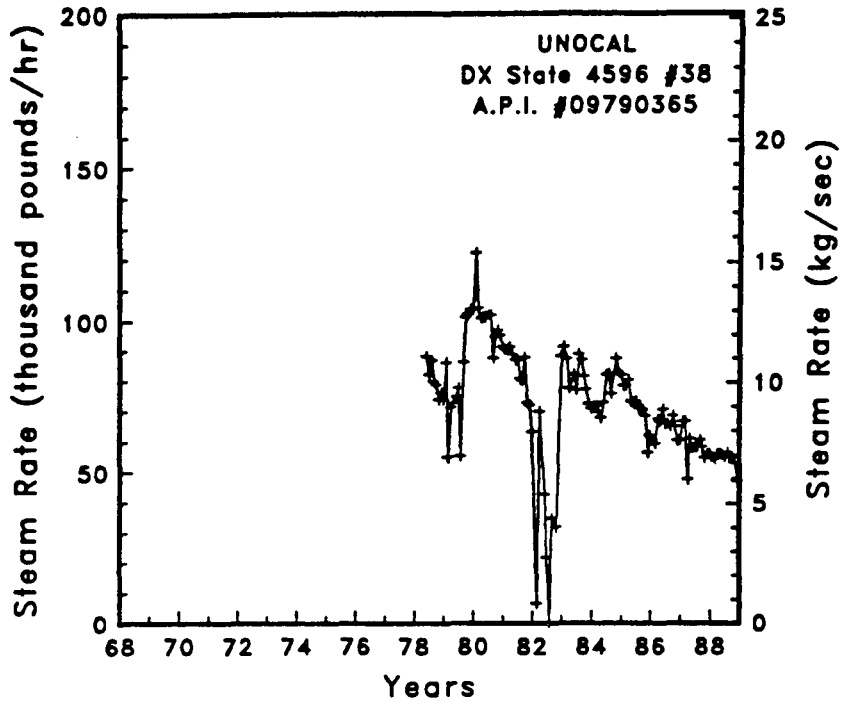


Figure A-51

Steam rate and cumulative mass flow for well DX State 4596 #38



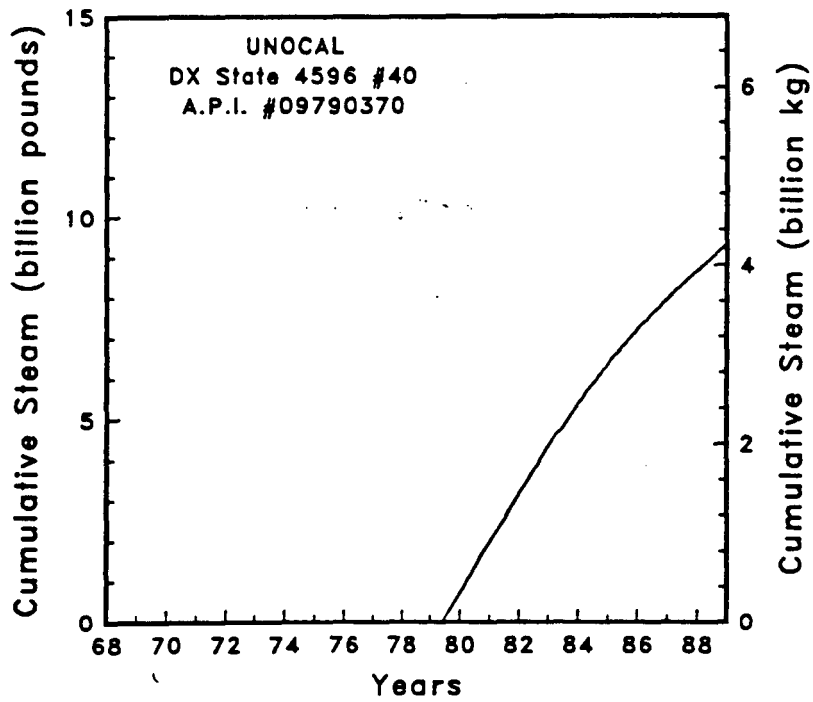
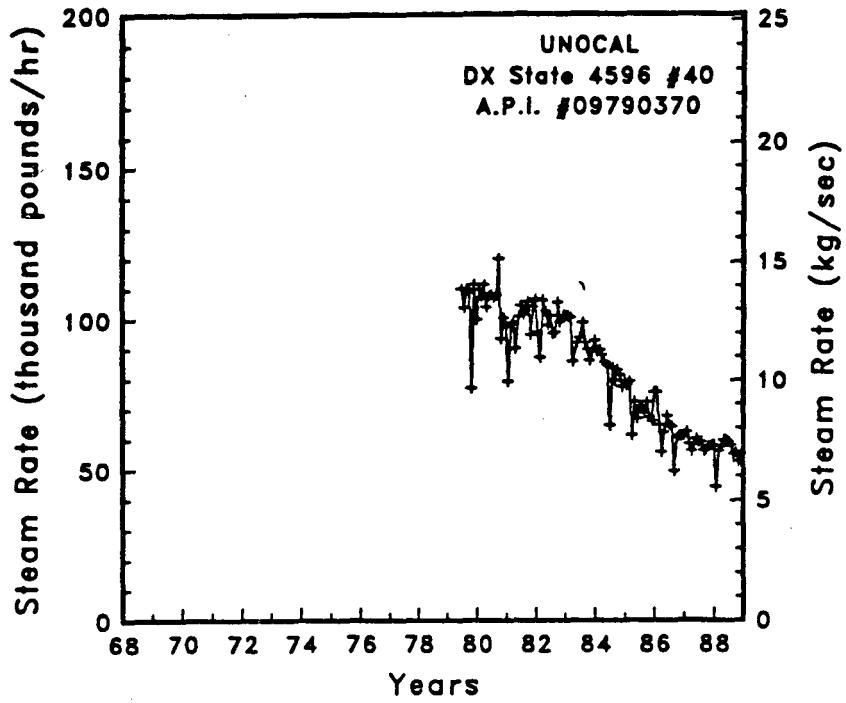


Figure A-52

Steam rate and cumulative mass flow for well DX State 4596 #40

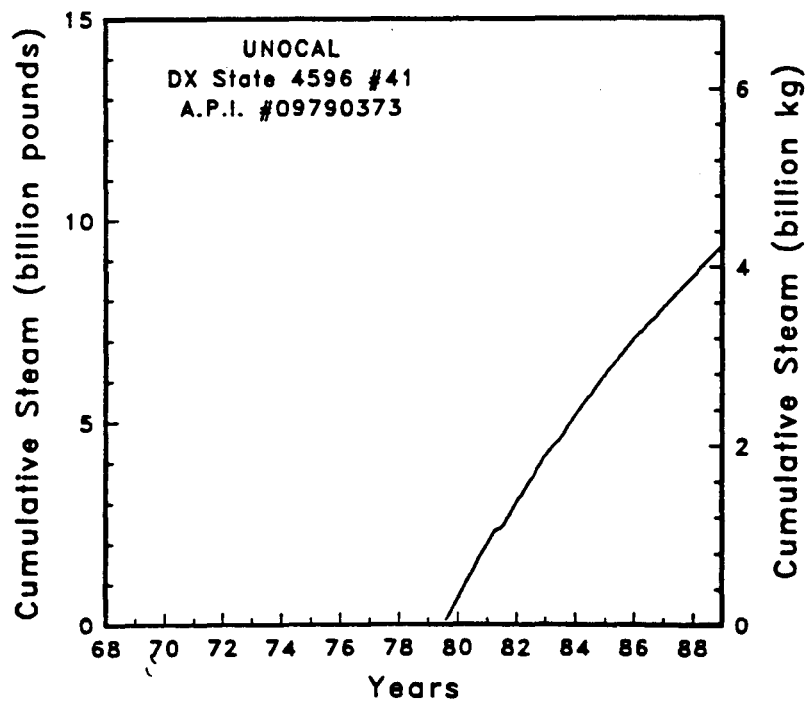
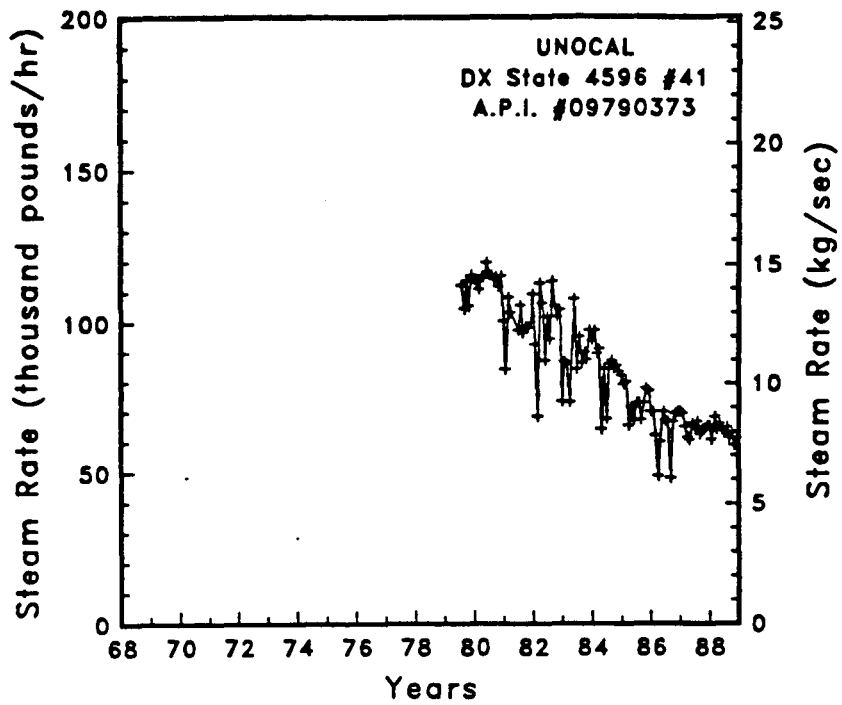


Figure A-53

Steam rate and cumulative mass flow for well DX State 4596 #41

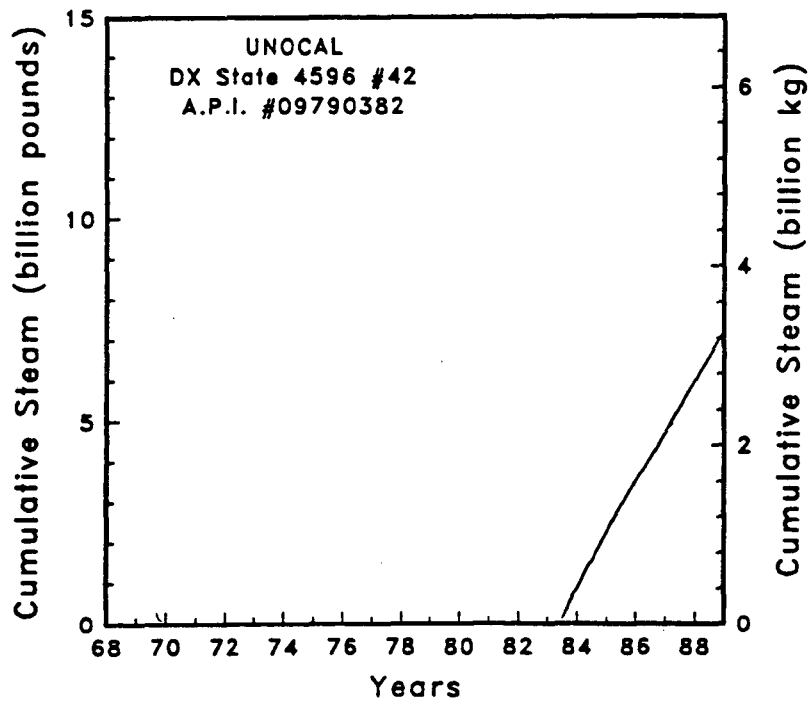
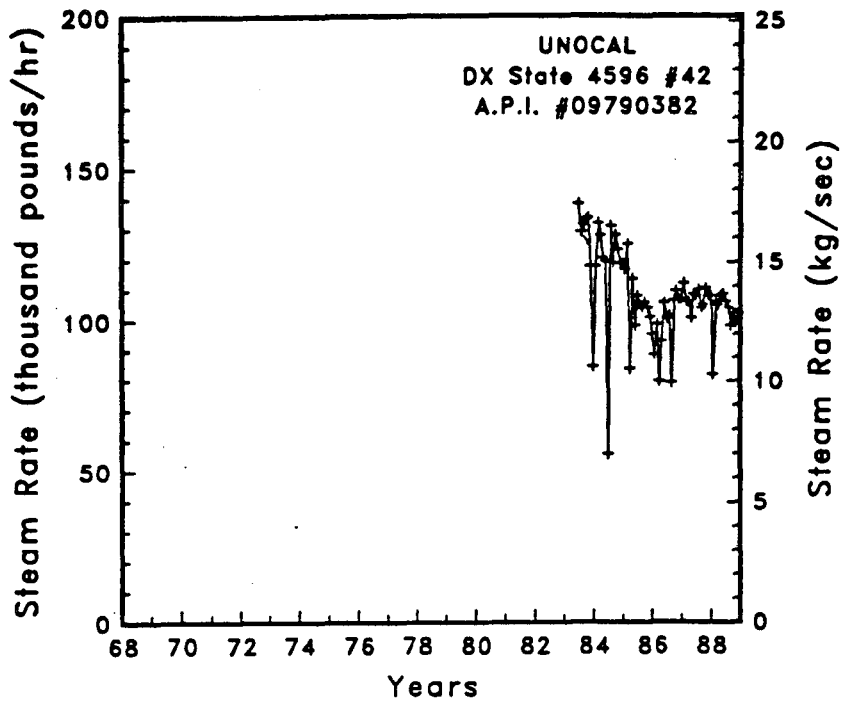


Figure A-54

Steam rate and cumulative mass flow for well DX State 4596 #42

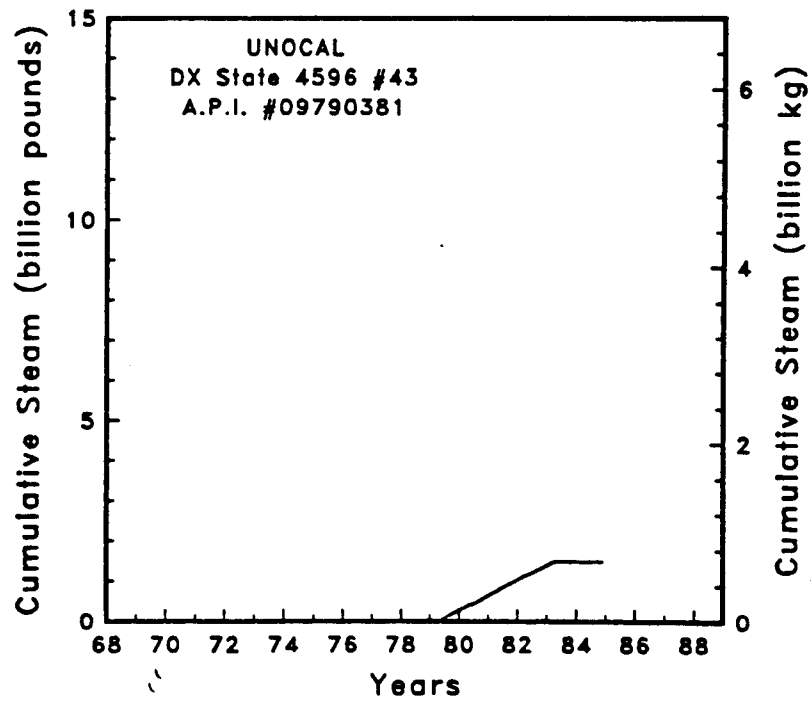
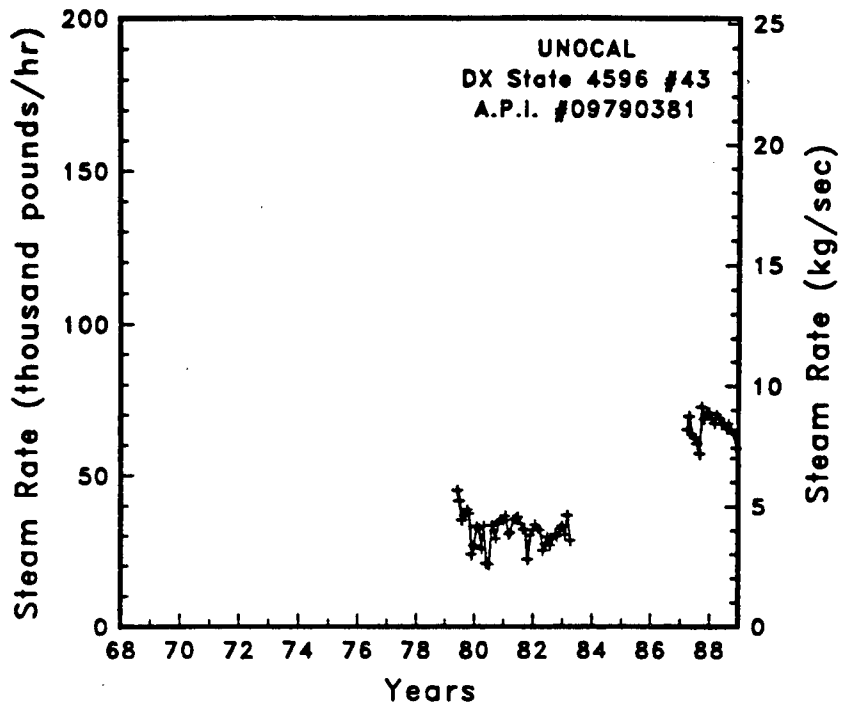


Figure A-55

Steam rate and cumulative mass flow for well DX State 4596 #43

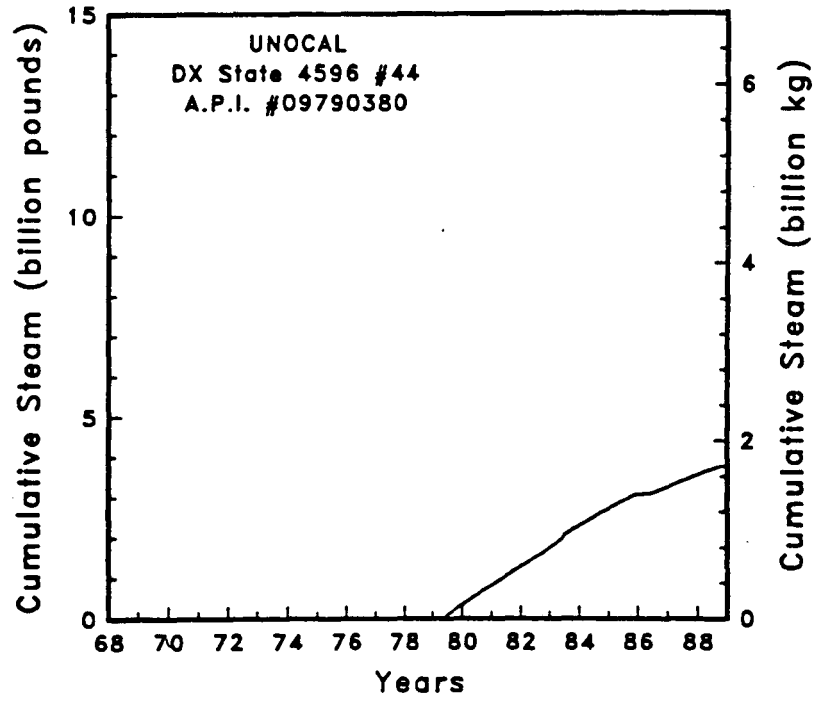
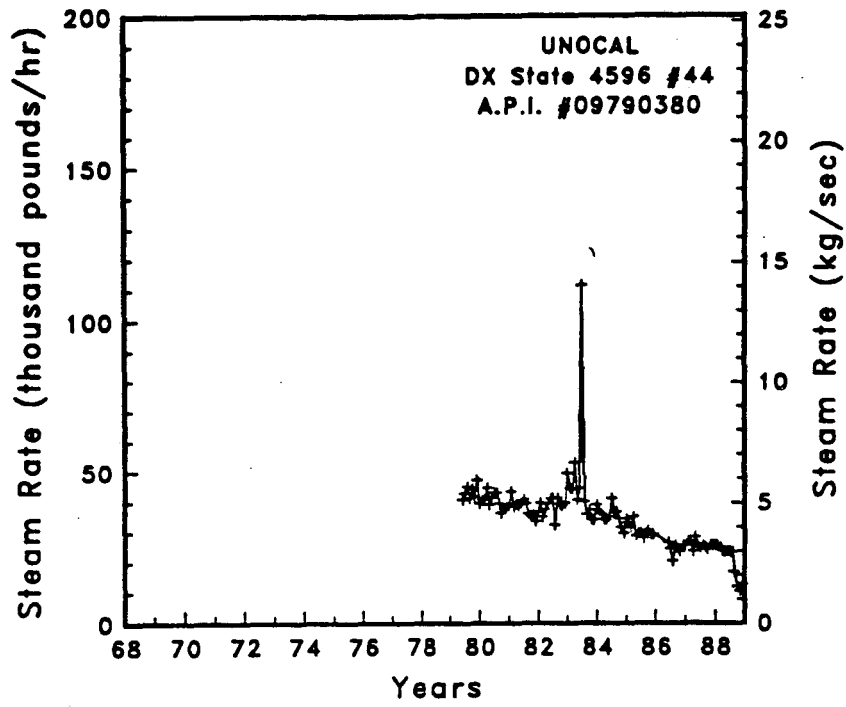


Figure A-56 Steam rate and cumulative mass flow for well DX State 4596 #44

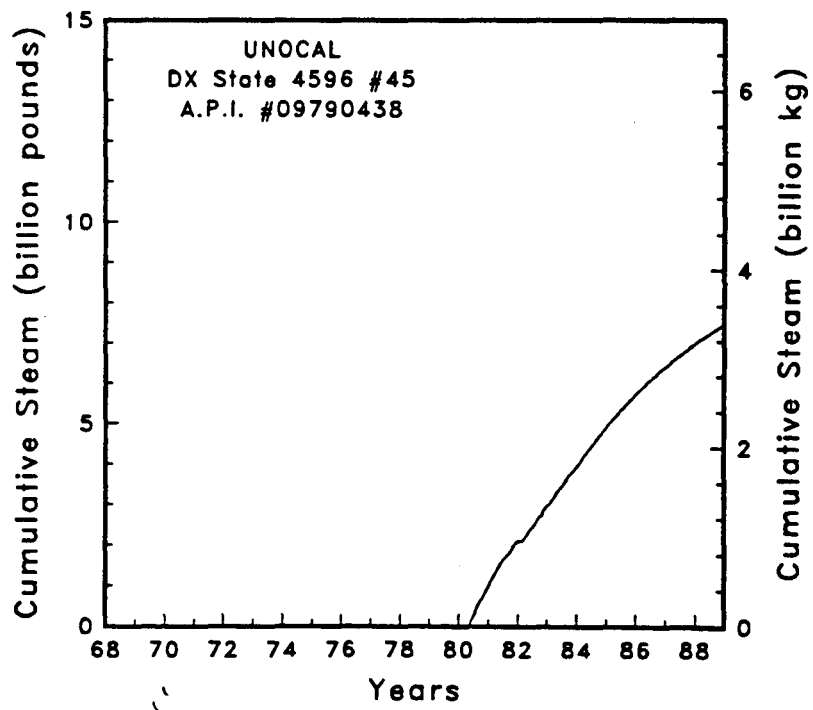
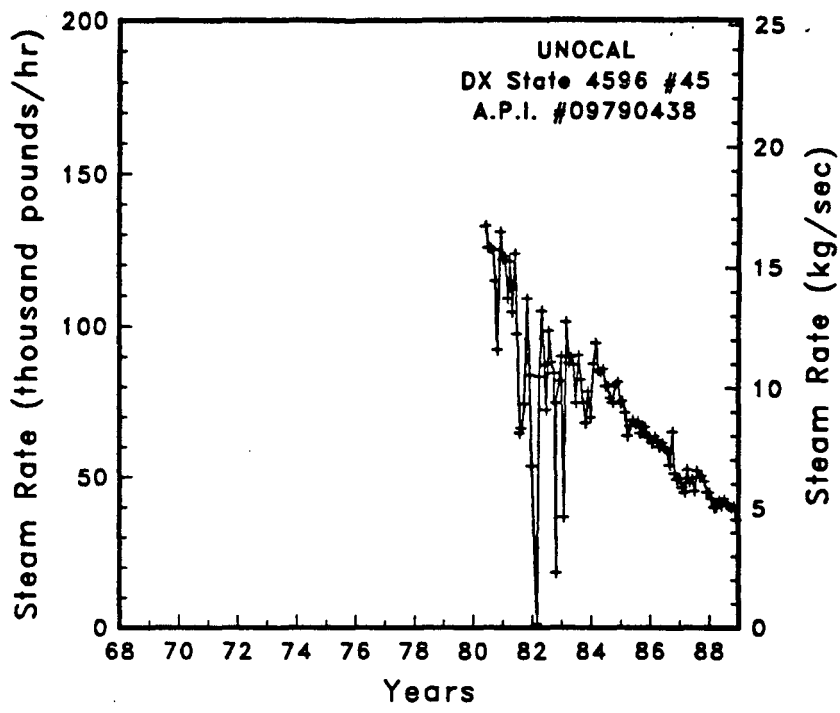


Figure A-57

Steam rate and cumulative mass flow for well DX State 4596 #45

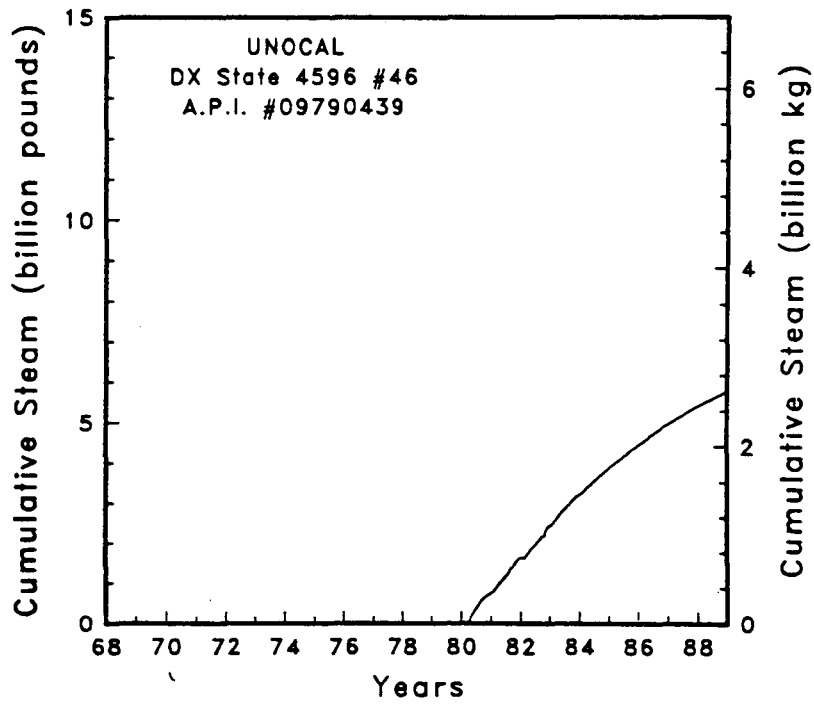
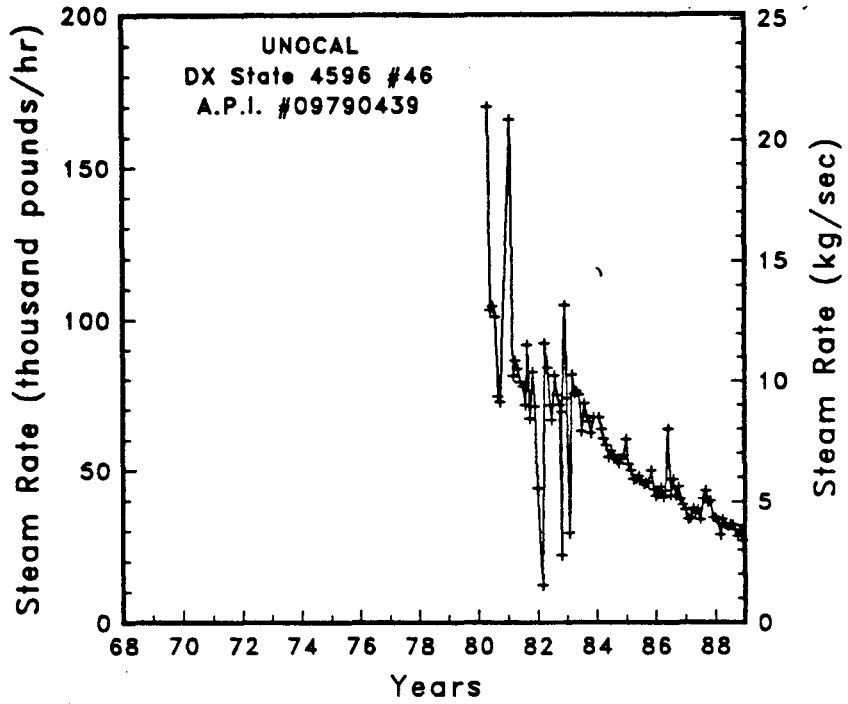


Figure A-58

Steam rate and cumulative mass flow for well DX State 4596 #46

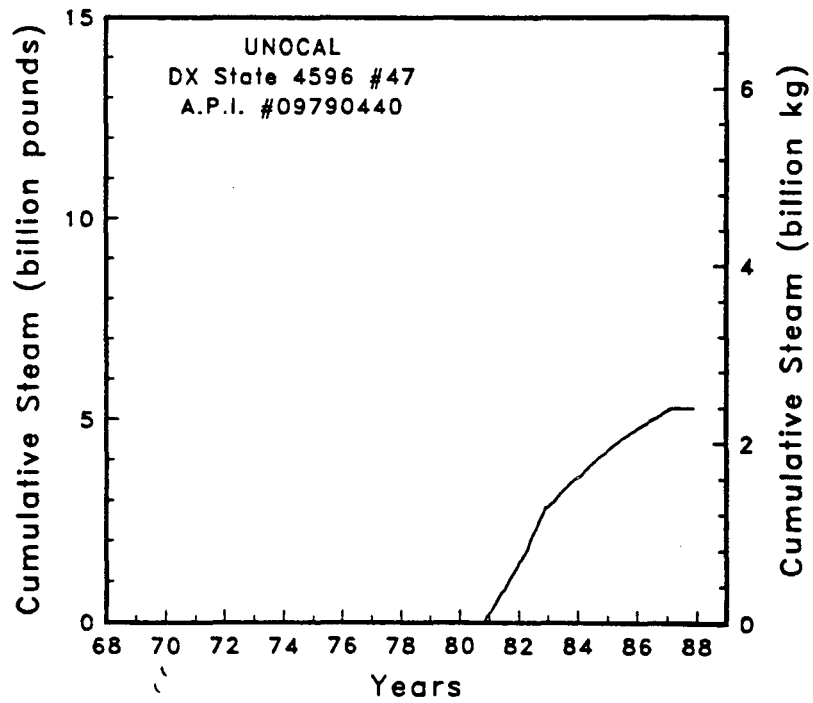
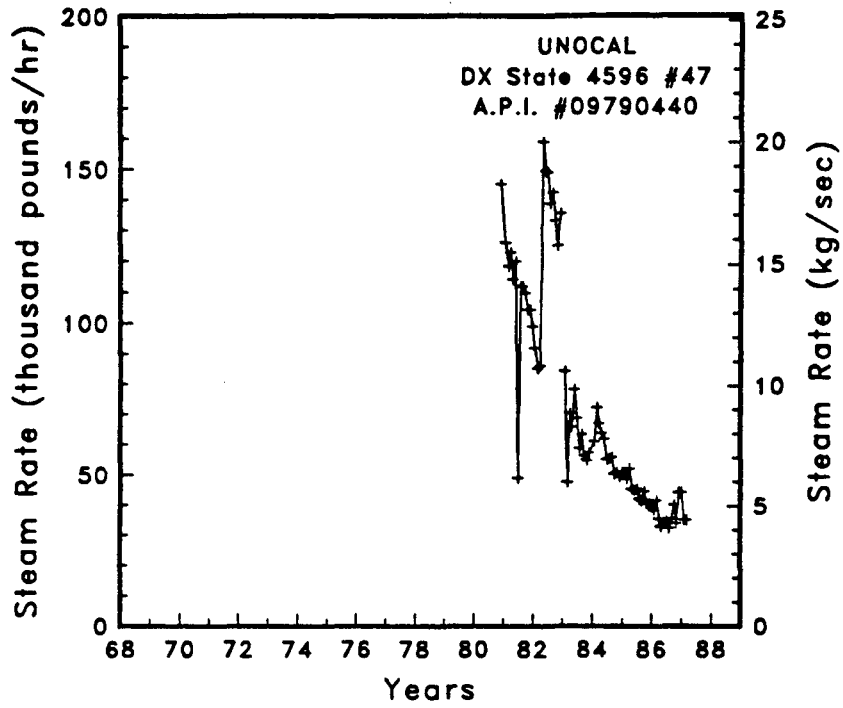


Figure A-59

Steam rate and cumulative mass flow for well DX State 4596 #47



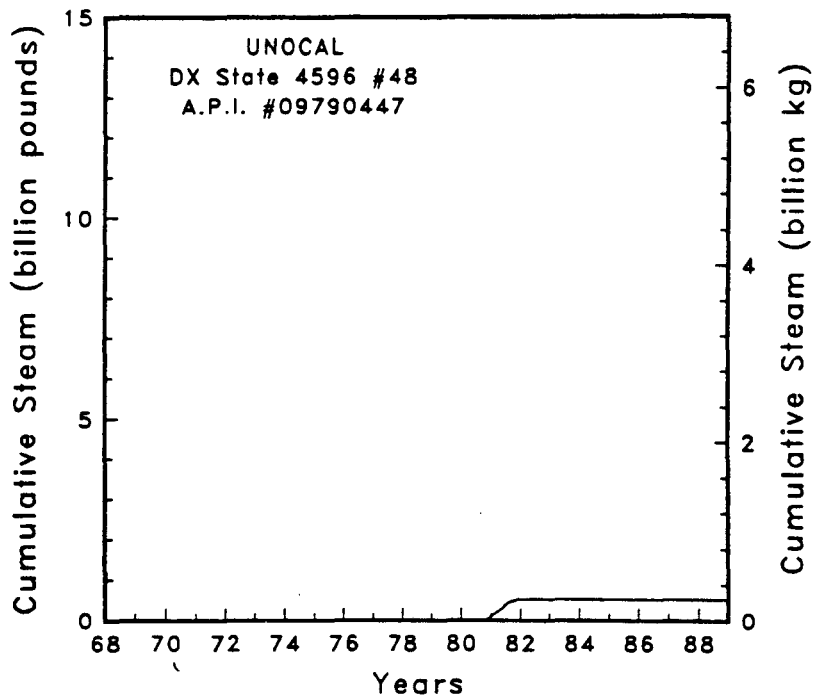
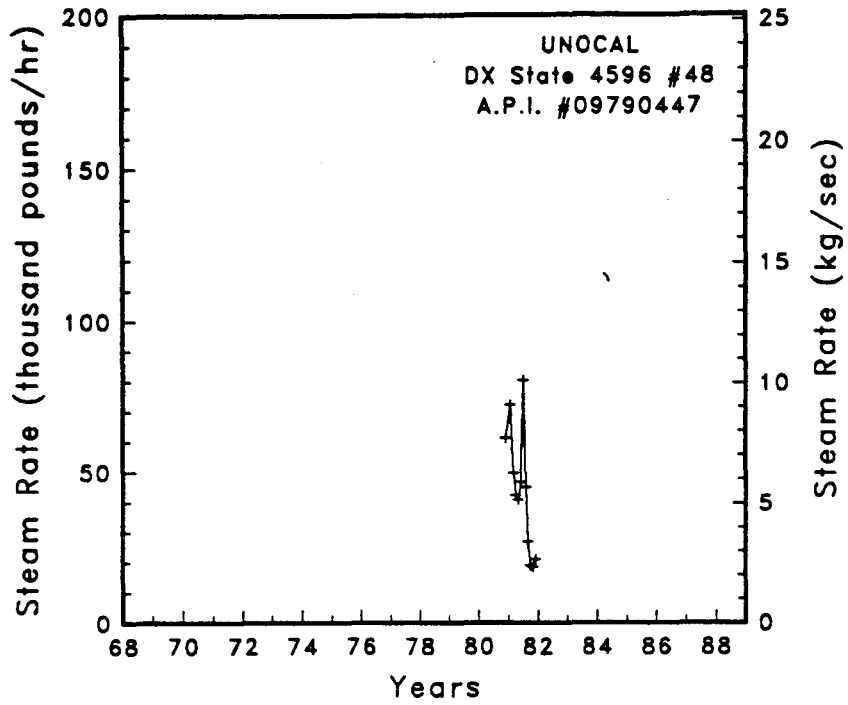


Figure A-60

Steam rate and cumulative mass flow for well DX State 4596 #48

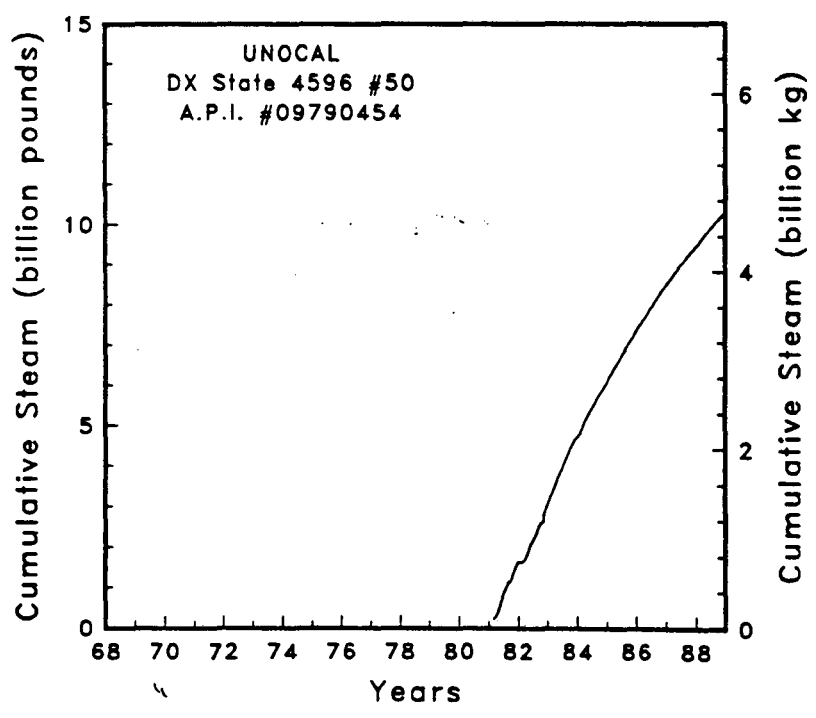
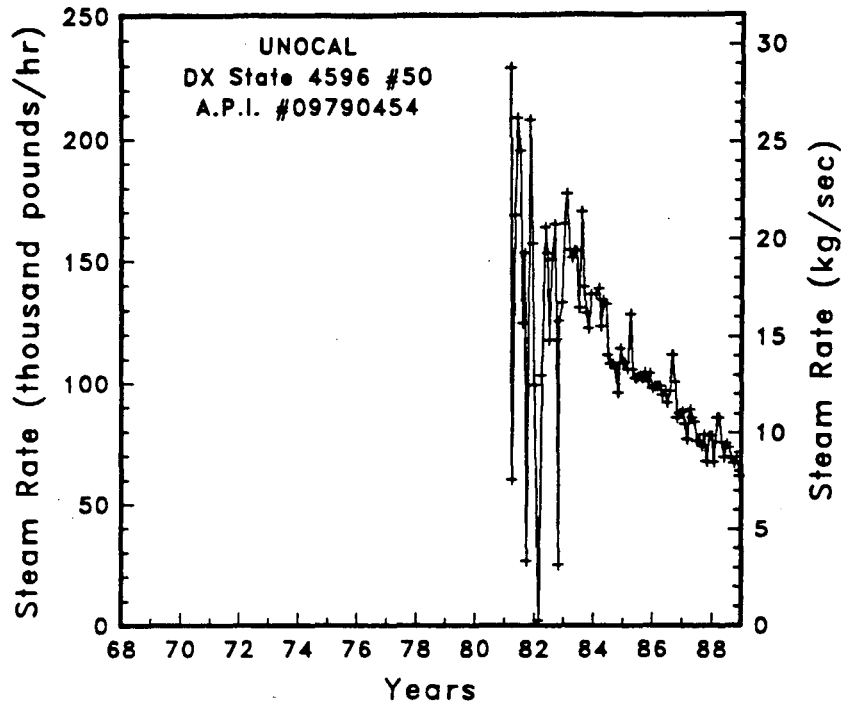


Figure A-61 Steam rate and cumulative mass flow for well DX State 4596 #50

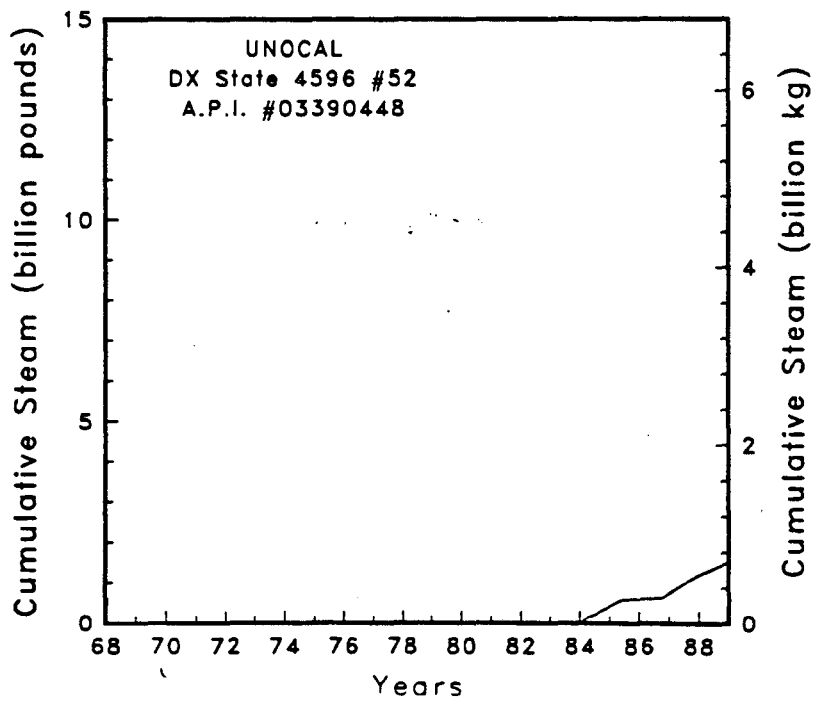
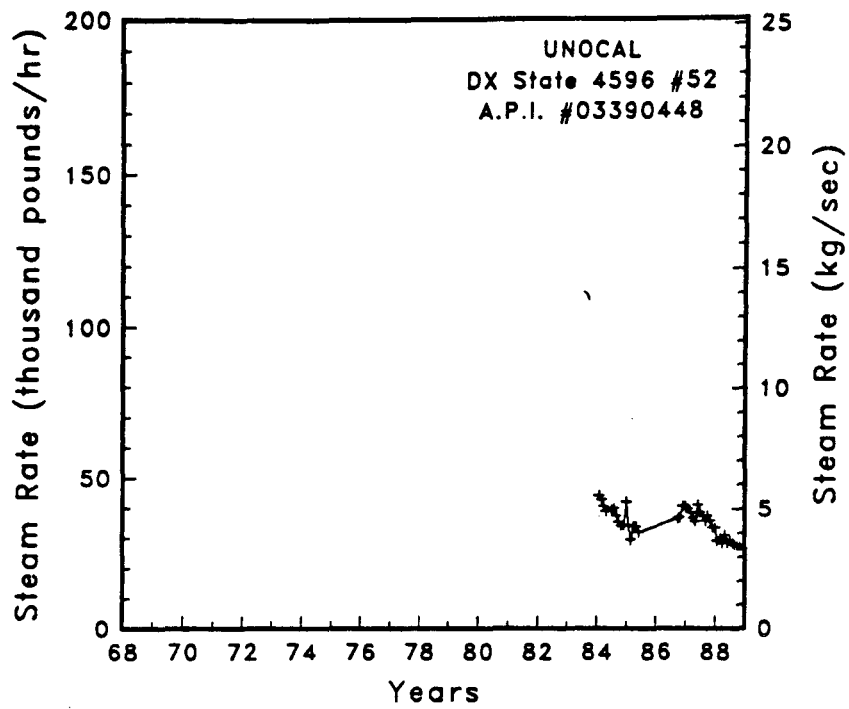


Figure A-62

Steam rate and cumulative mass flow for well DX State 4596 #52

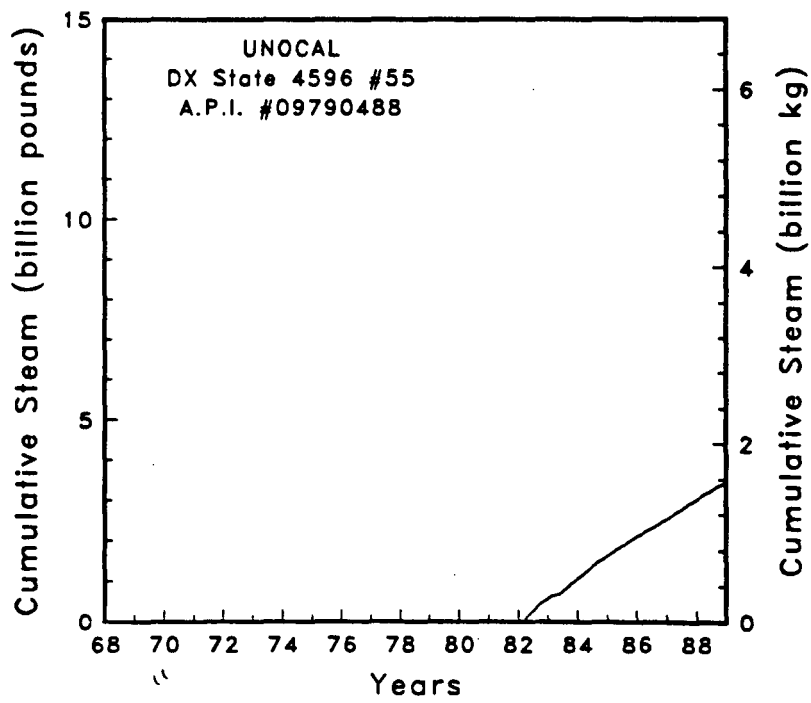
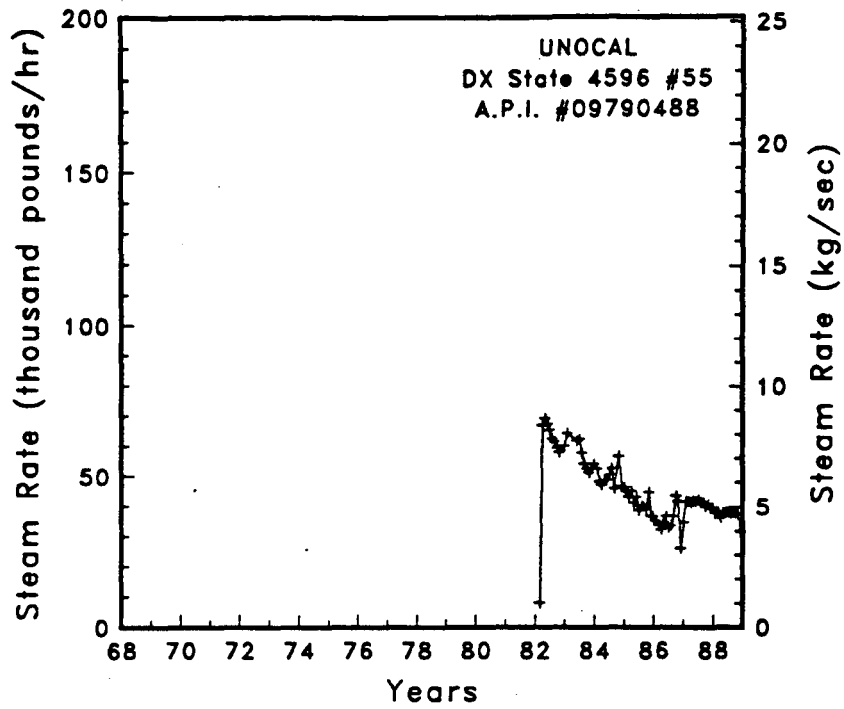


Figure A-63. Steam rate and cumulative mass flow for well DX State 4596 #55

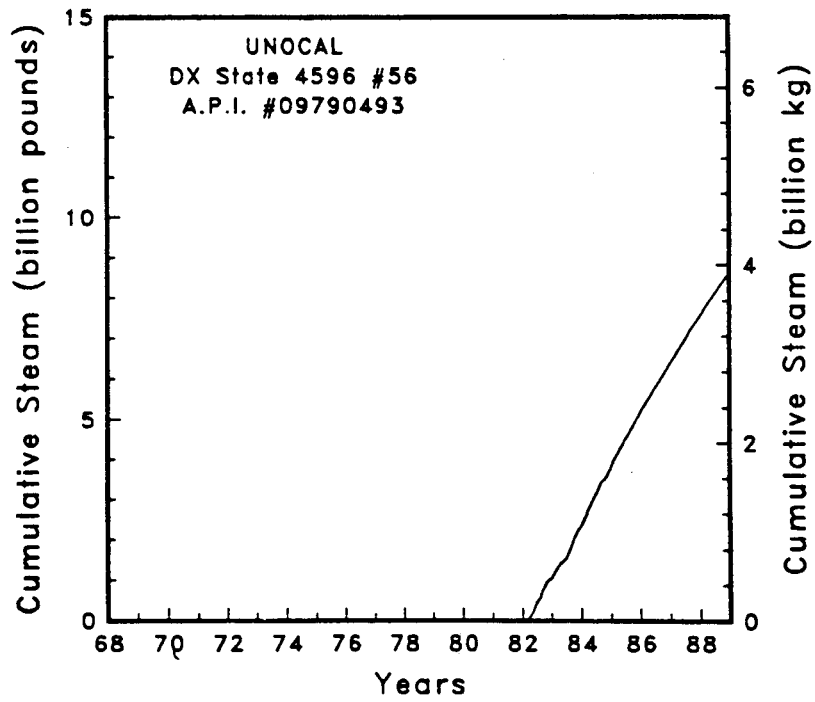
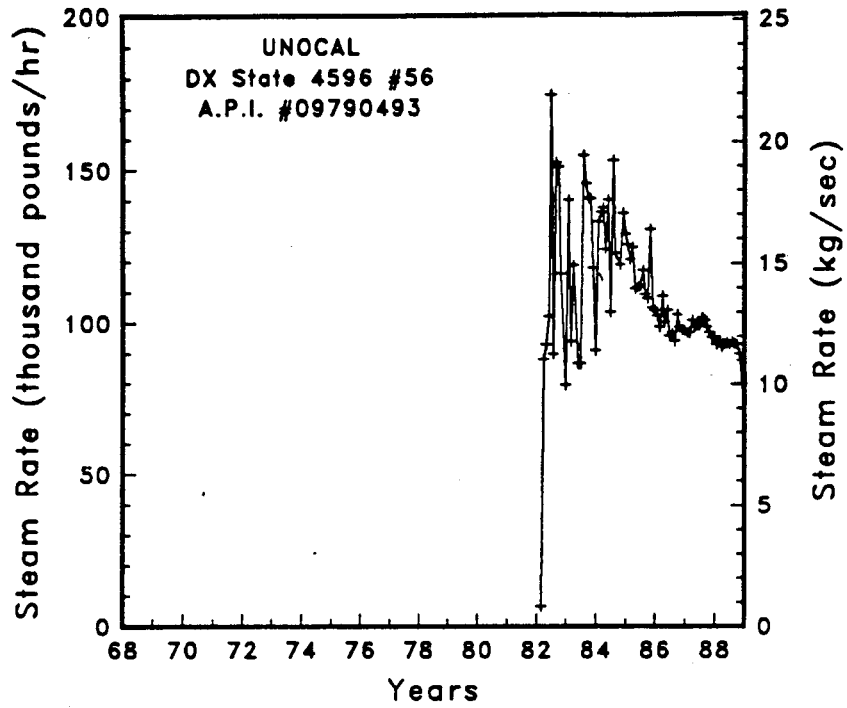


Figure A-64

Steam rate and cumulative mass flow for well DX State 4596 #56

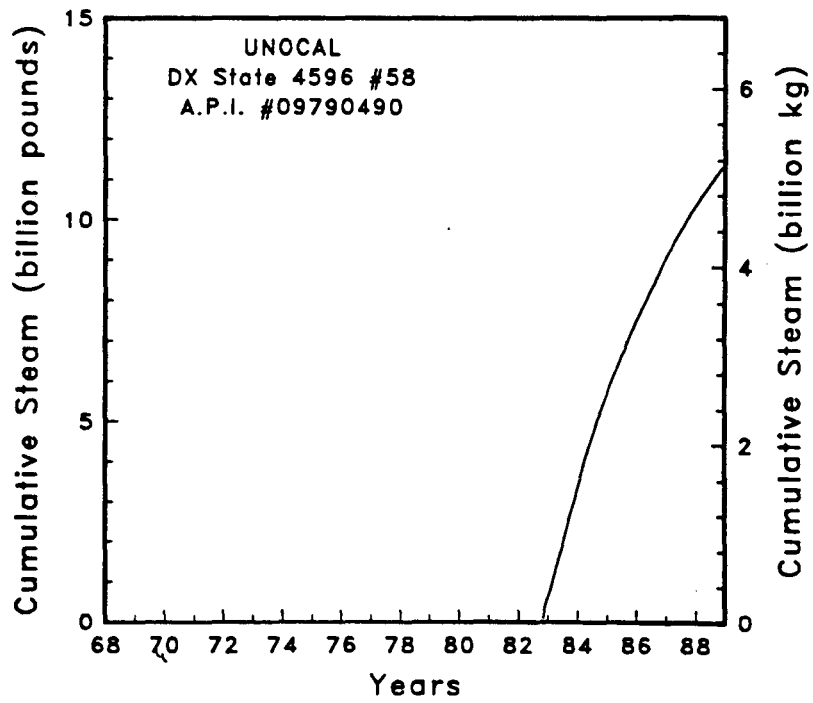
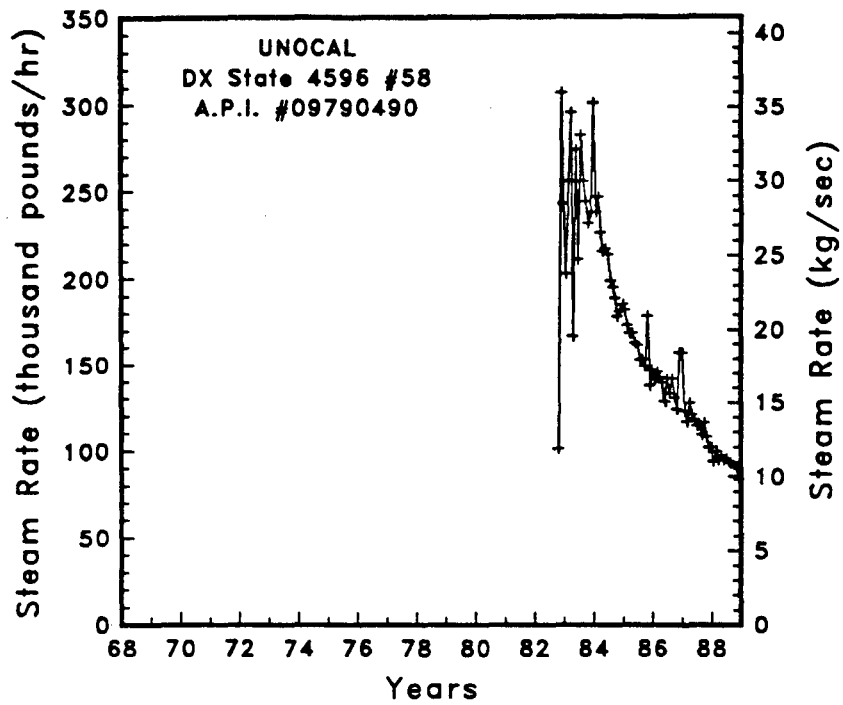


Figure A-65 Steam rate and cumulative mass flow for well DX State 4596 #58

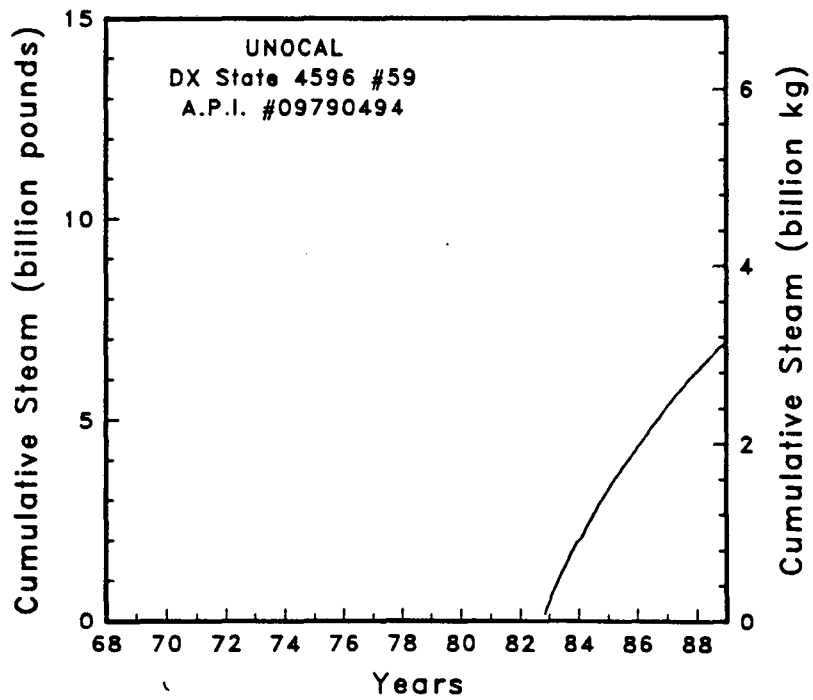
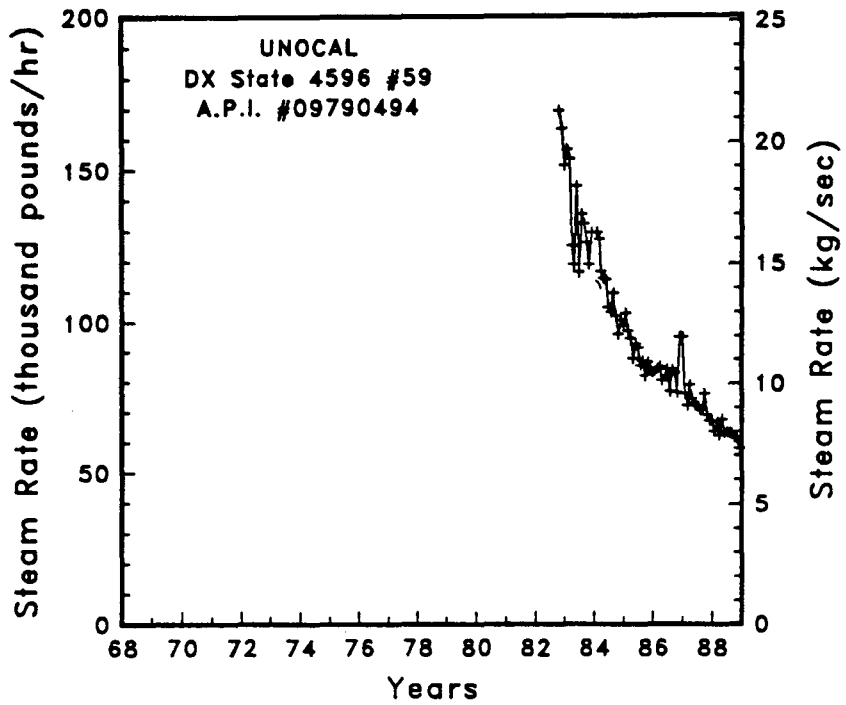


Figure A-66

Steam rate and cumulative mass flow for well DX State 4596 #59

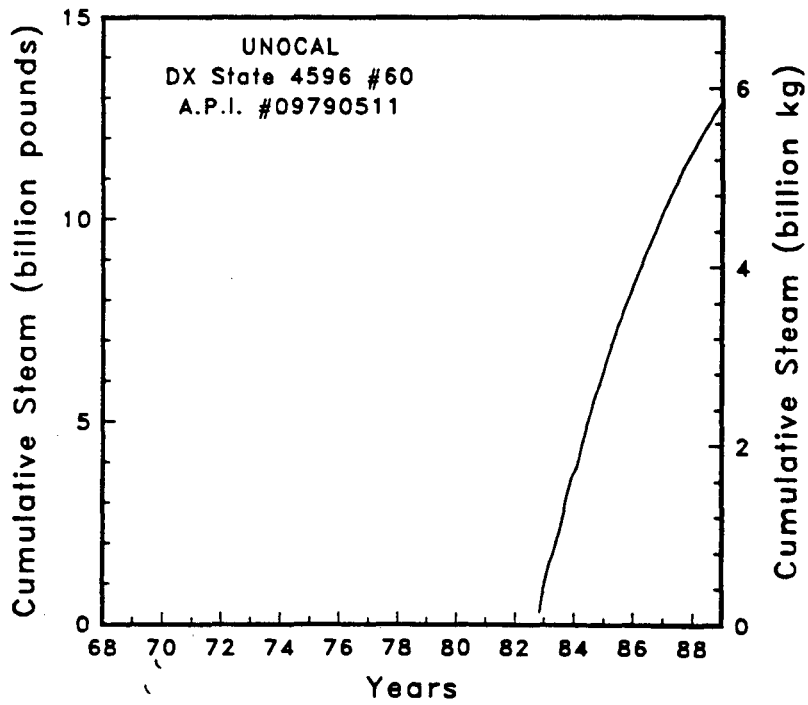
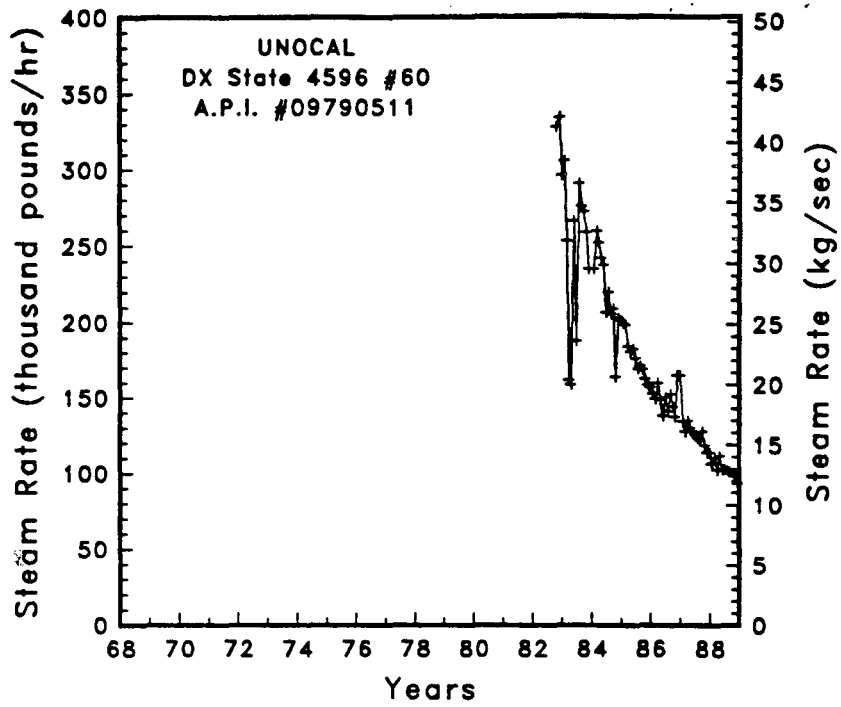


Figure A-67

Steam rate and cumulative mass flow for well DX State 4596 #60



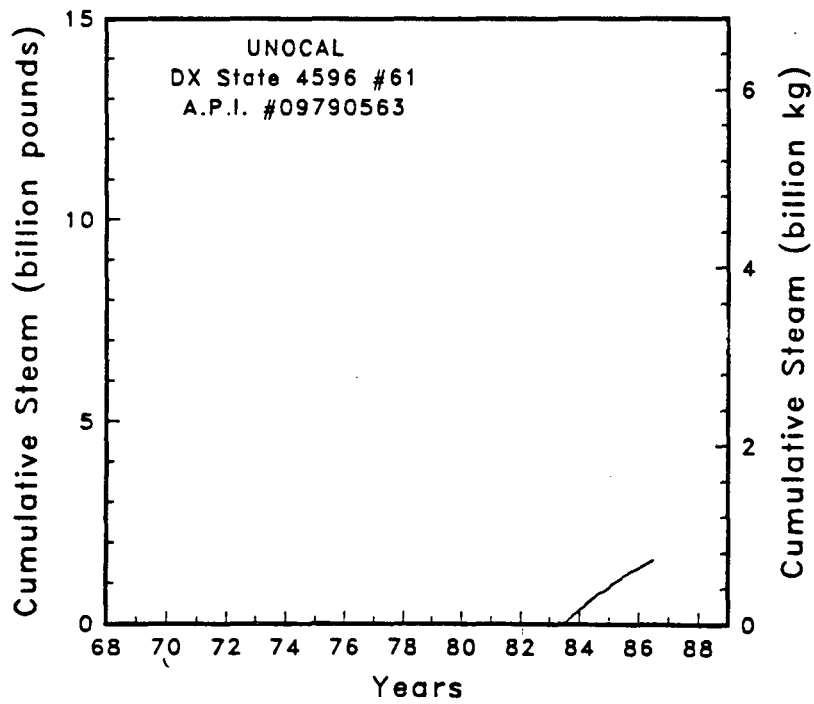
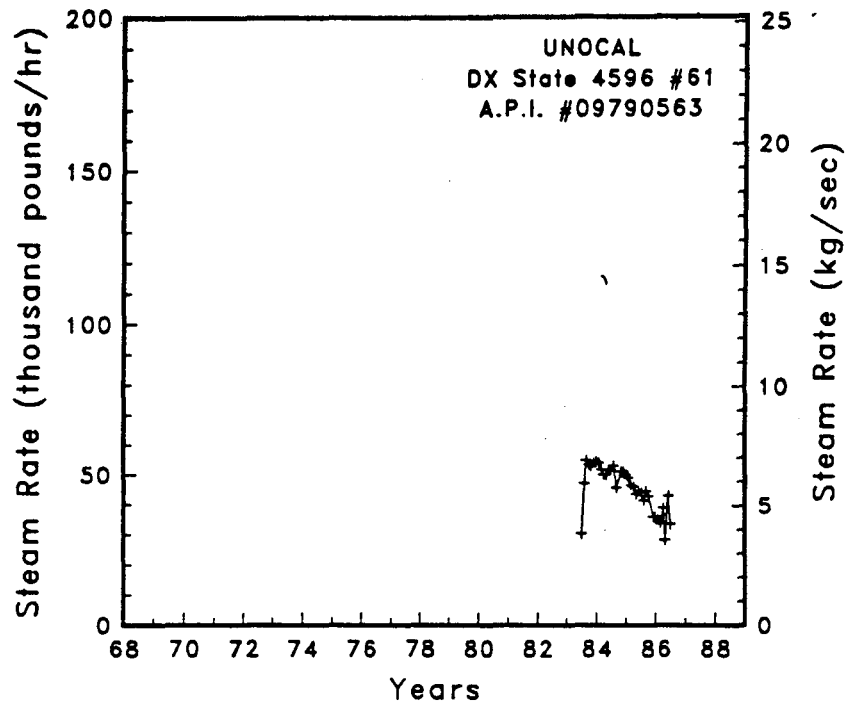


Figure A-68 Steam rate and cumulative mass flow for well DX State 4596 #61

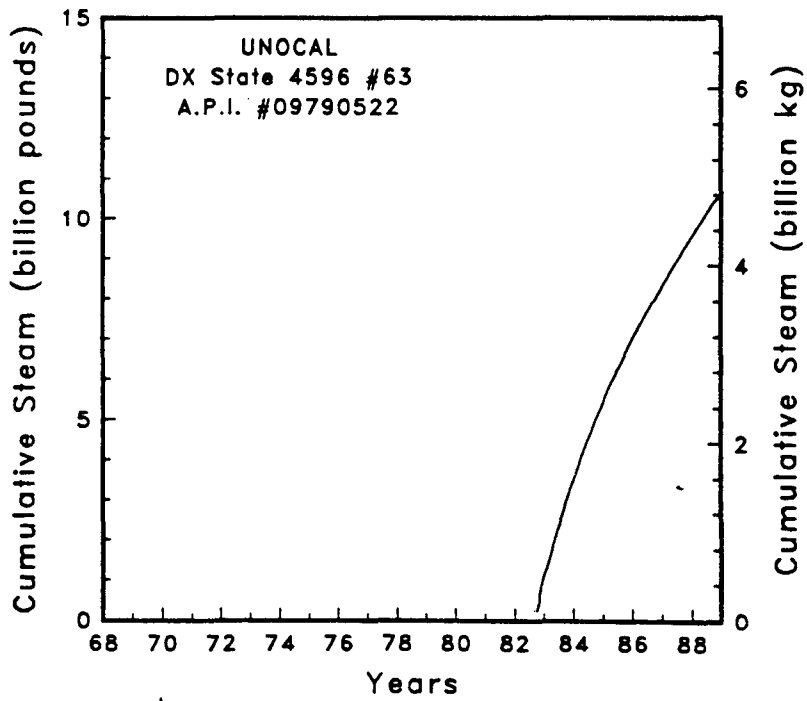
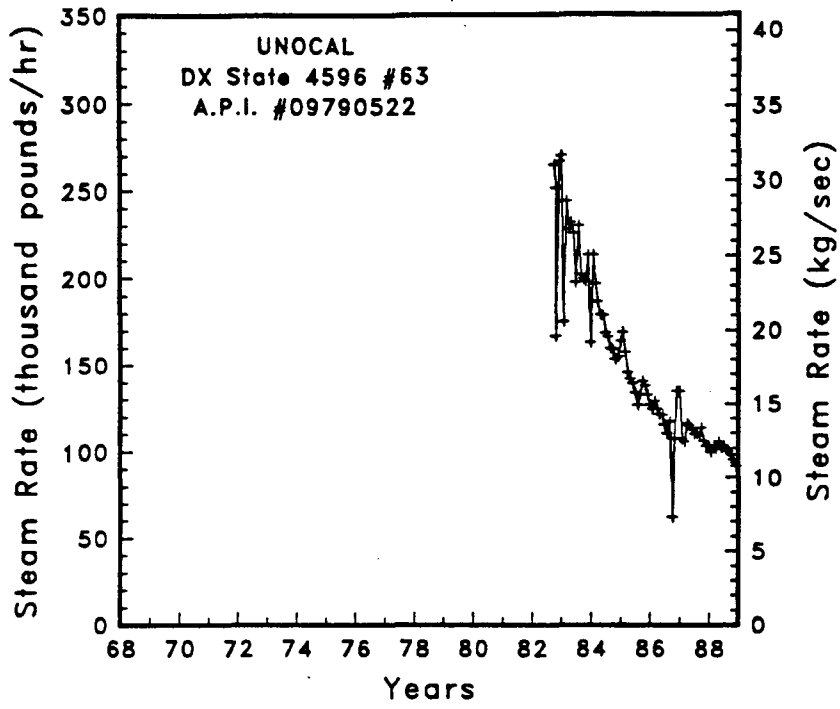


Figure A-69

Steam rate and cumulative mass flow for well DX State 4596 #63

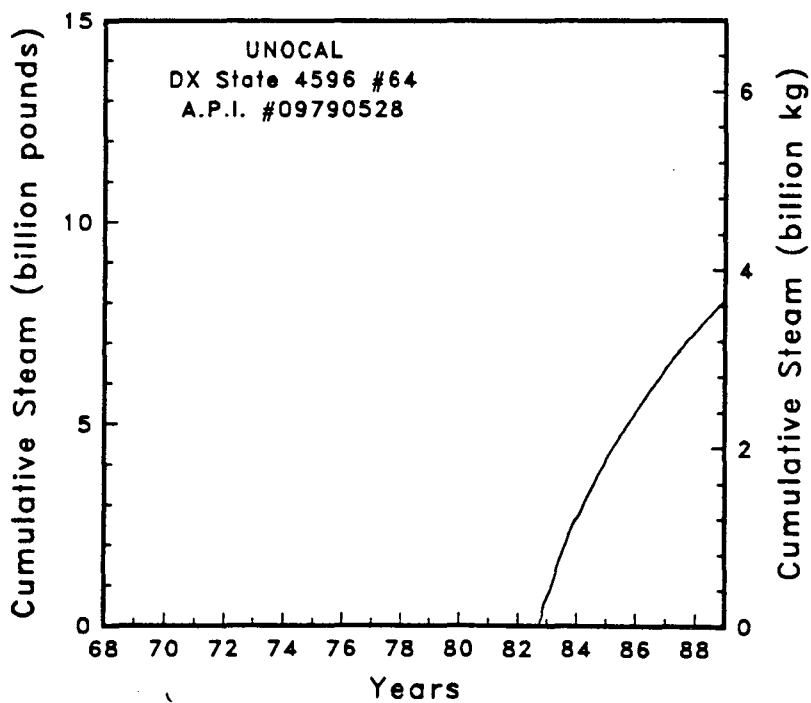
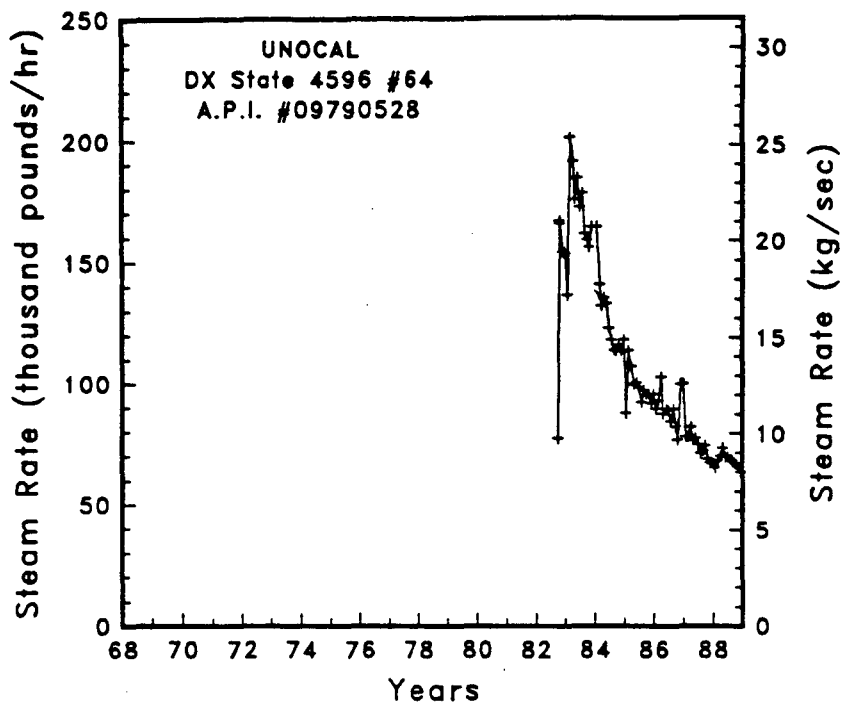


Figure A-70 Steam rate and cumulative mass flow for well DX State 4596 #64

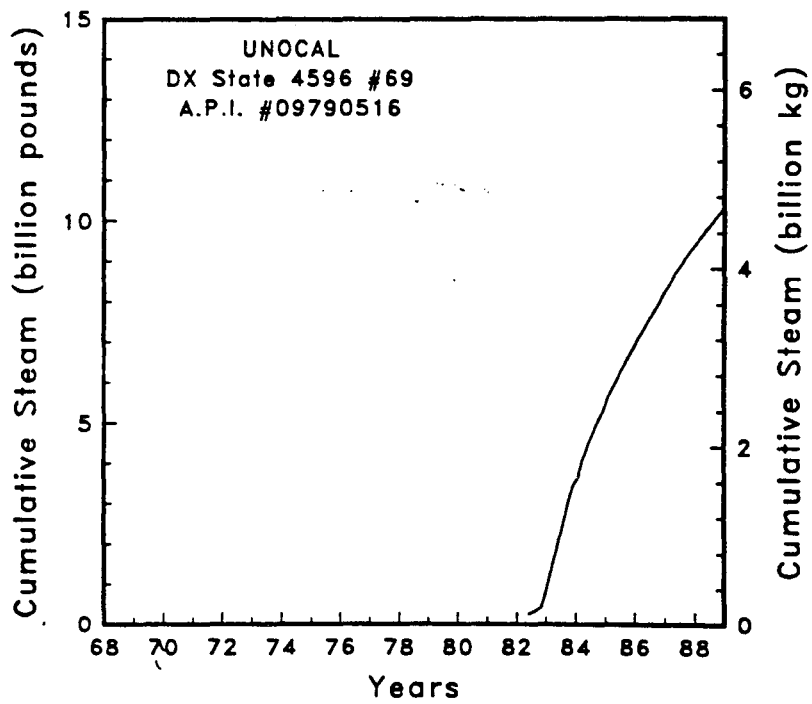
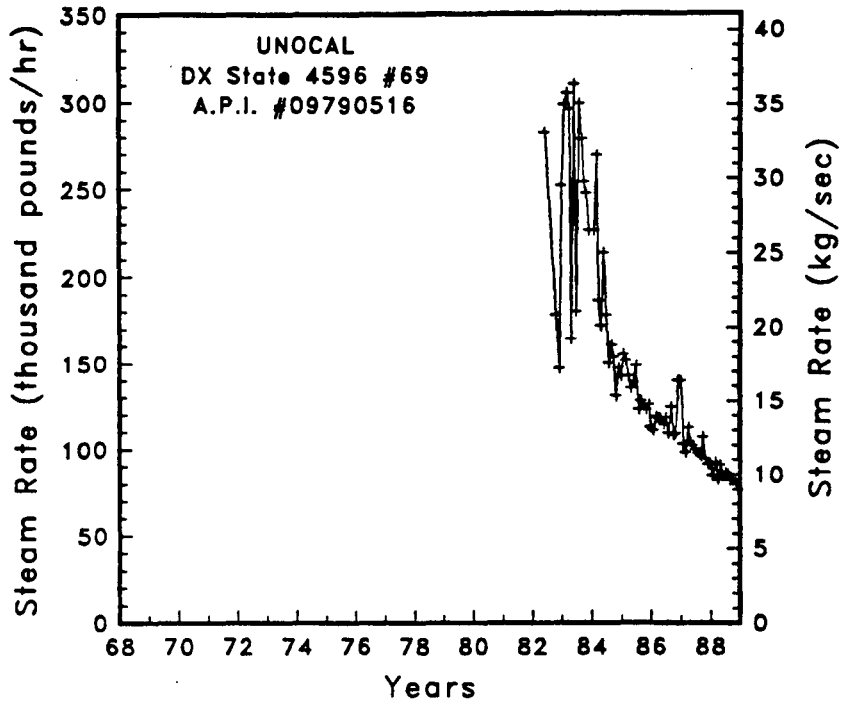


Figure A-71

Steam rate and cumulative mass flow for well DX State 4596 #69

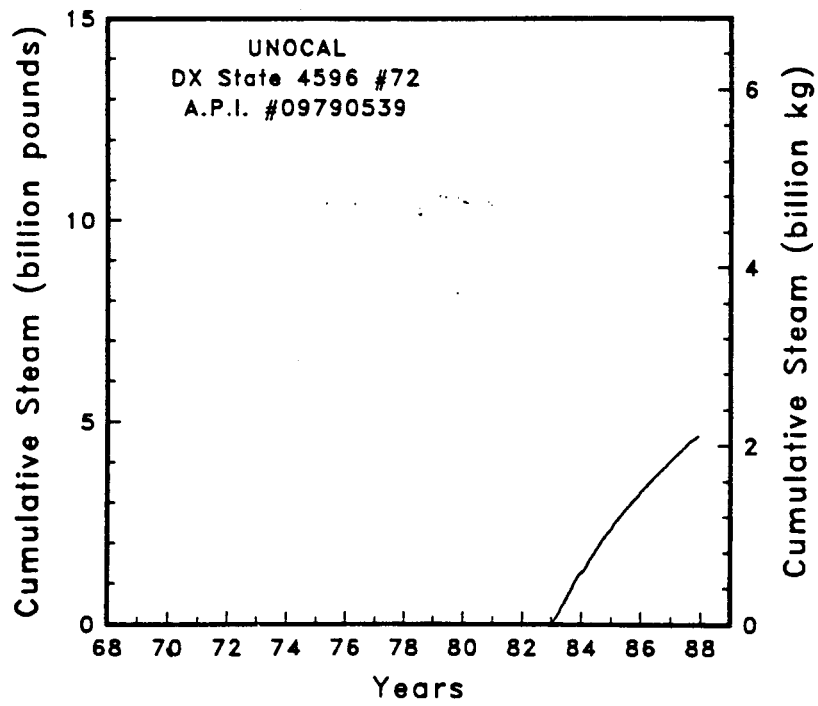
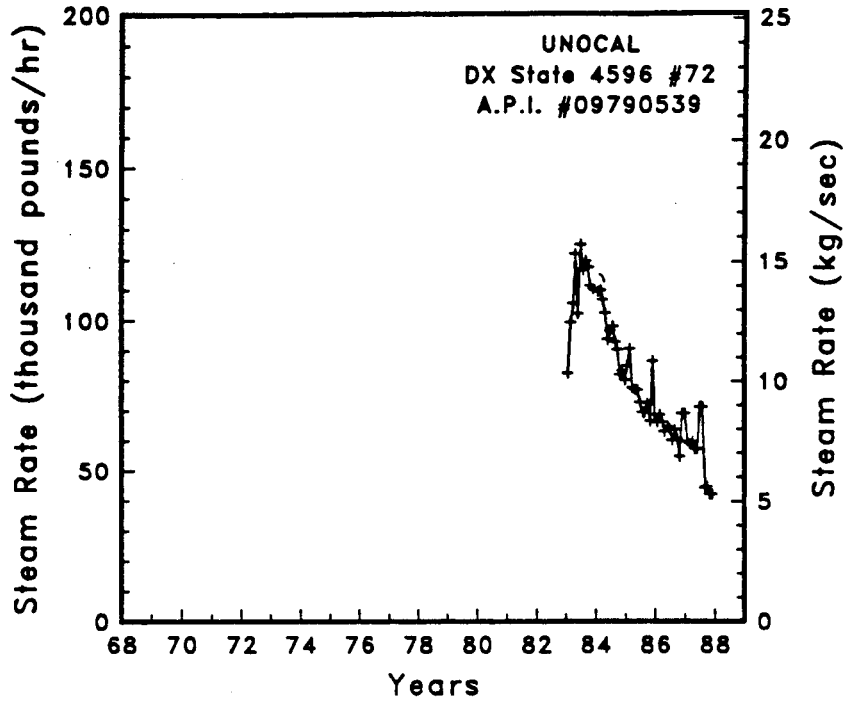


Figure A-72. Steam rate and cumulative mass flow for well DX State 4596 #72

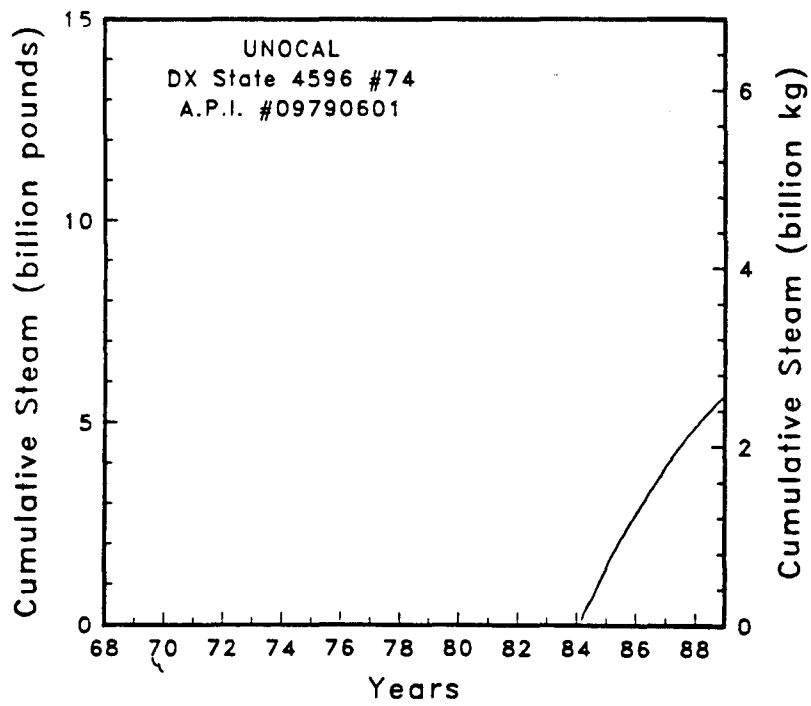
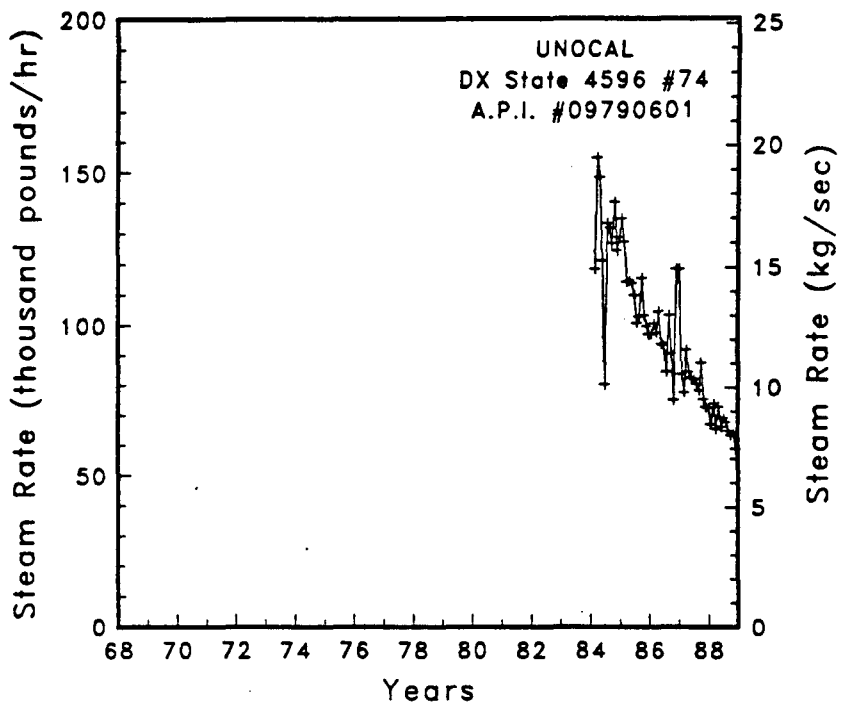


Figure A-73 Steam rate and cumulative mass flow for well DX State 4596 #74

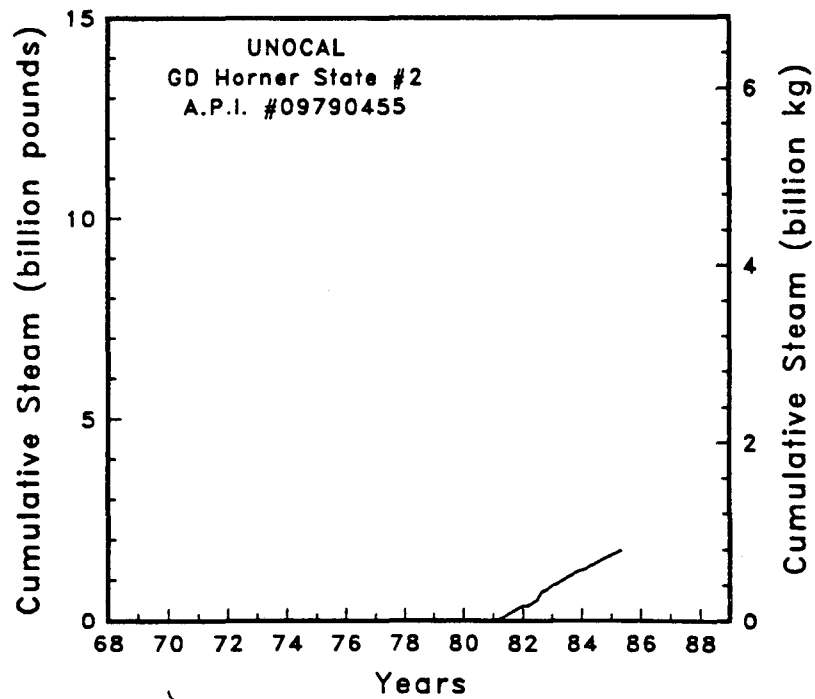
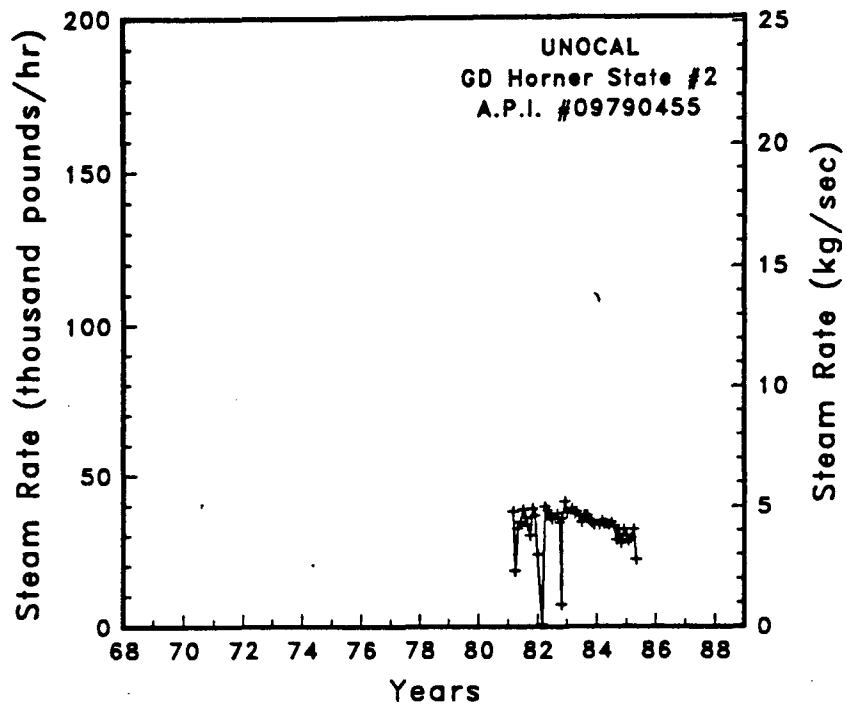


Figure A-74

Steam rate and cumulative mass flow for well GD Horner State #2

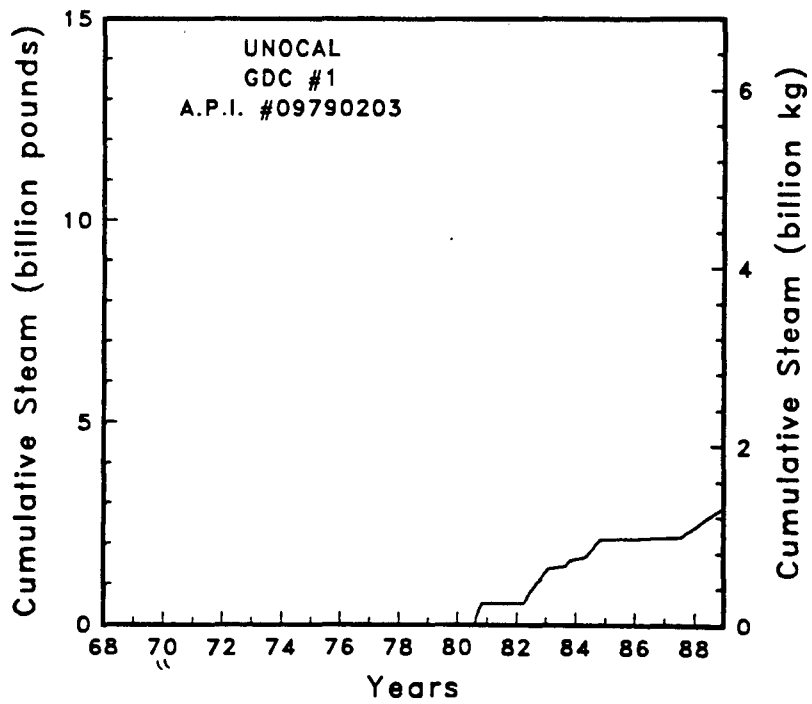
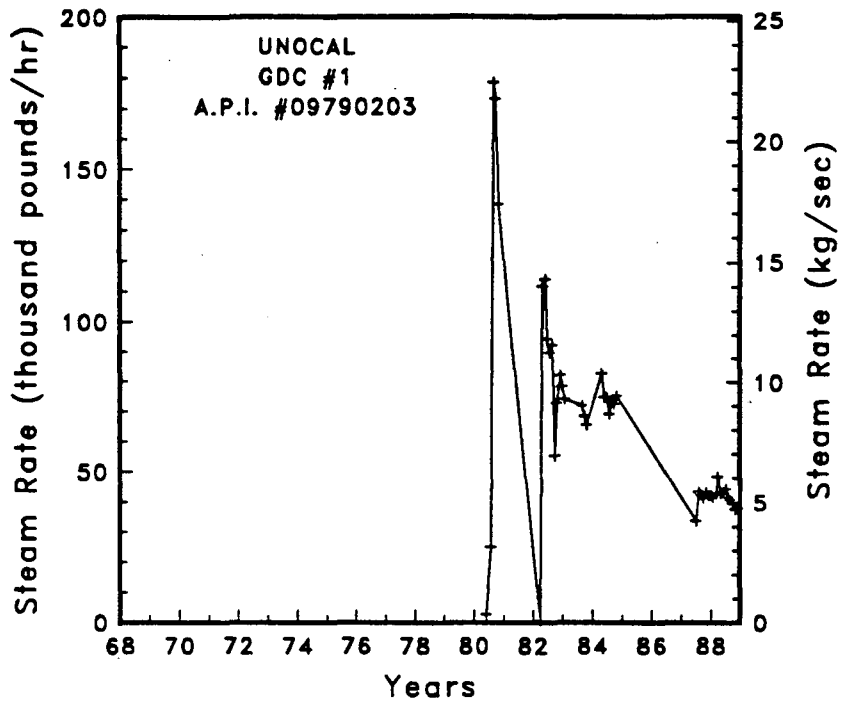


Figure A-75 Steam rate and cumulative mass flow for well GDC #1



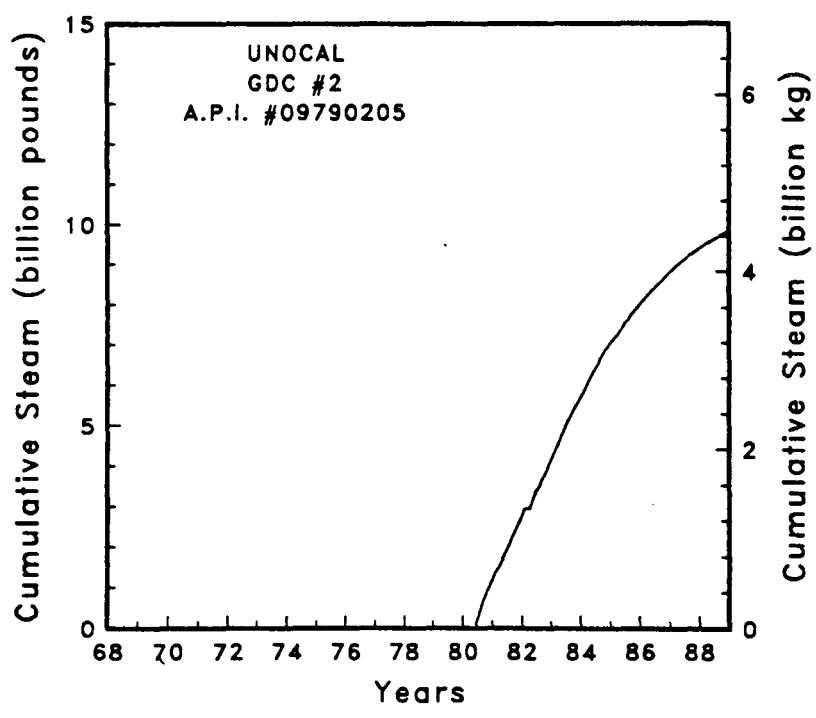
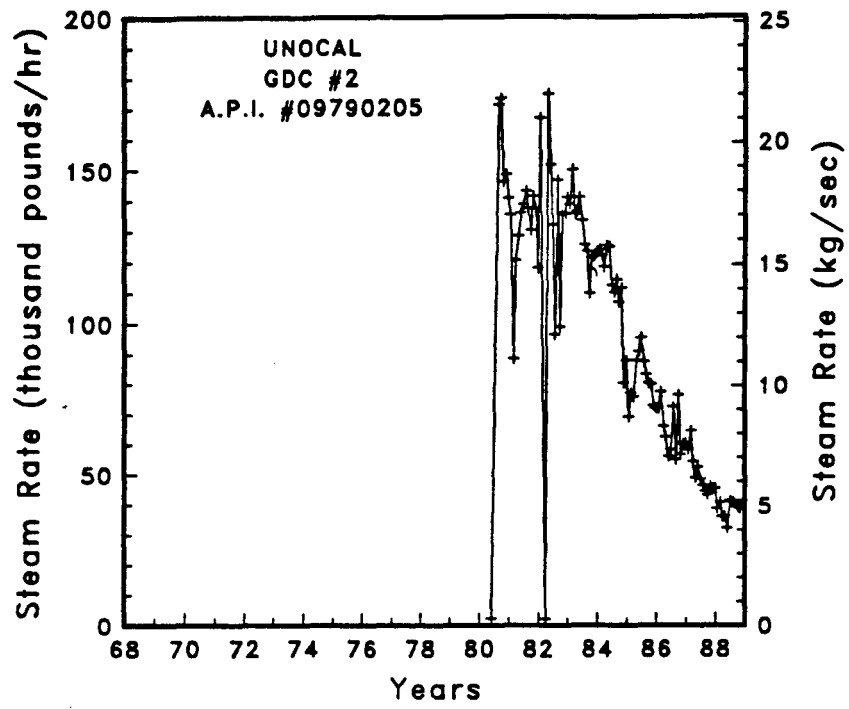


Figure A-76 Steam rate and cumulative mass flow for well GDC #2

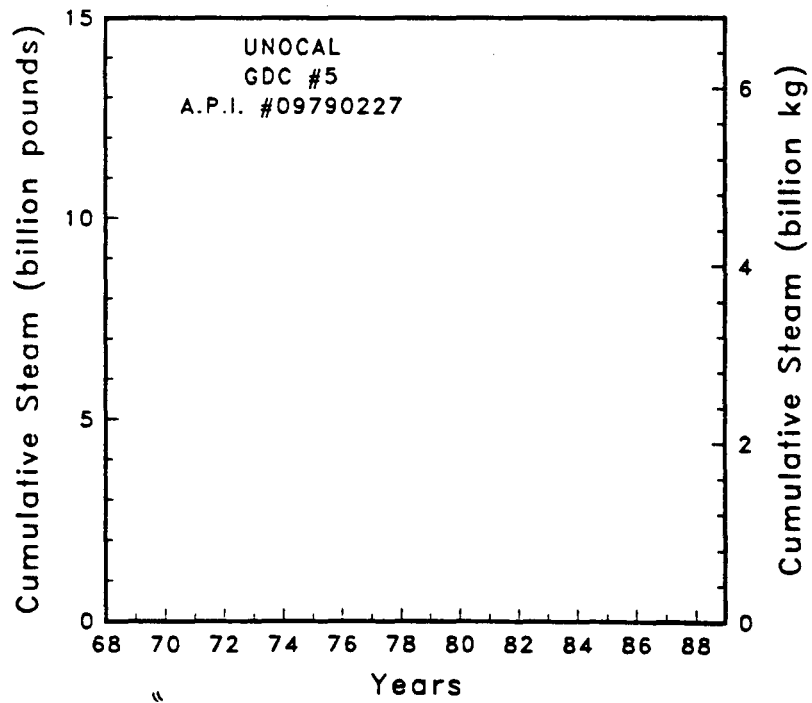
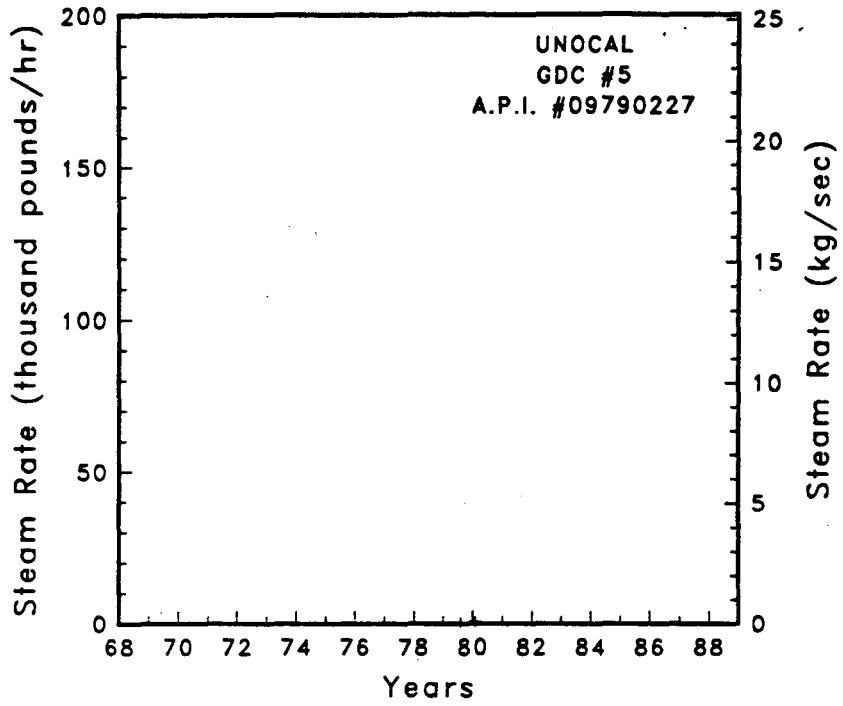


Figure A-77

Steam rate and cumulative mass flow for well GDC #5

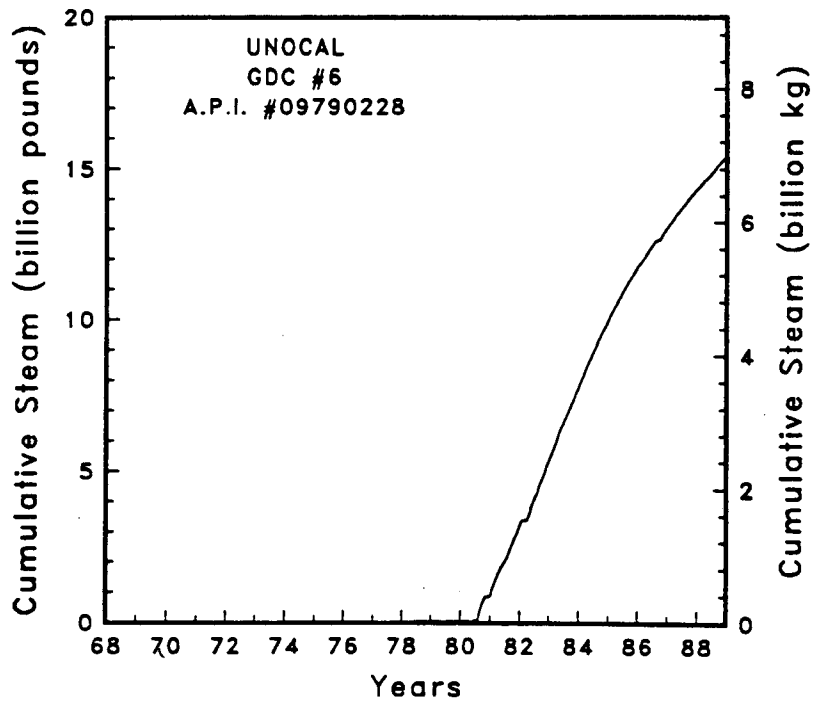
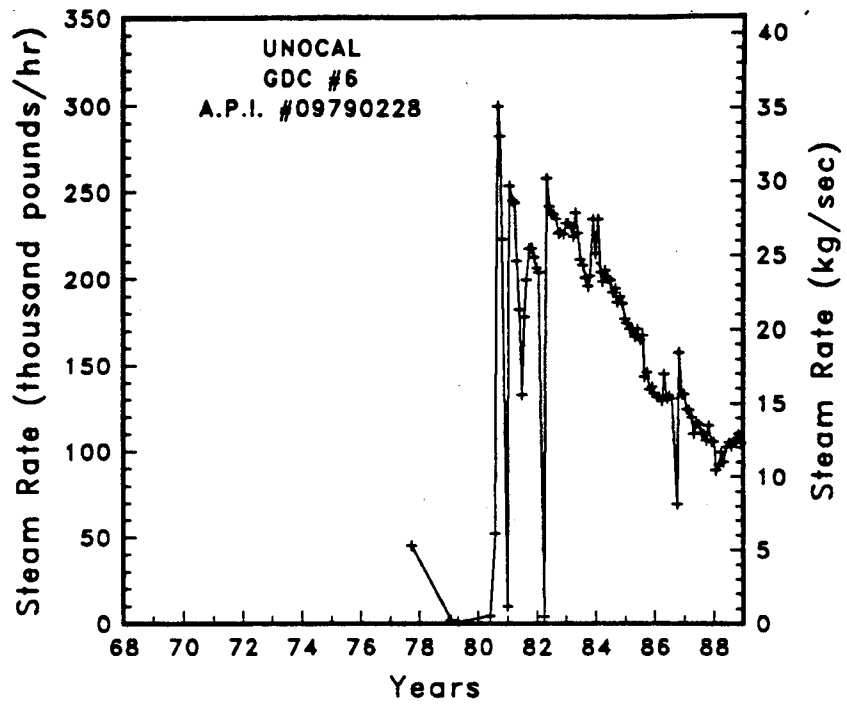


Figure A-78

Steam rate and cumulative mass flow for well GDC #6

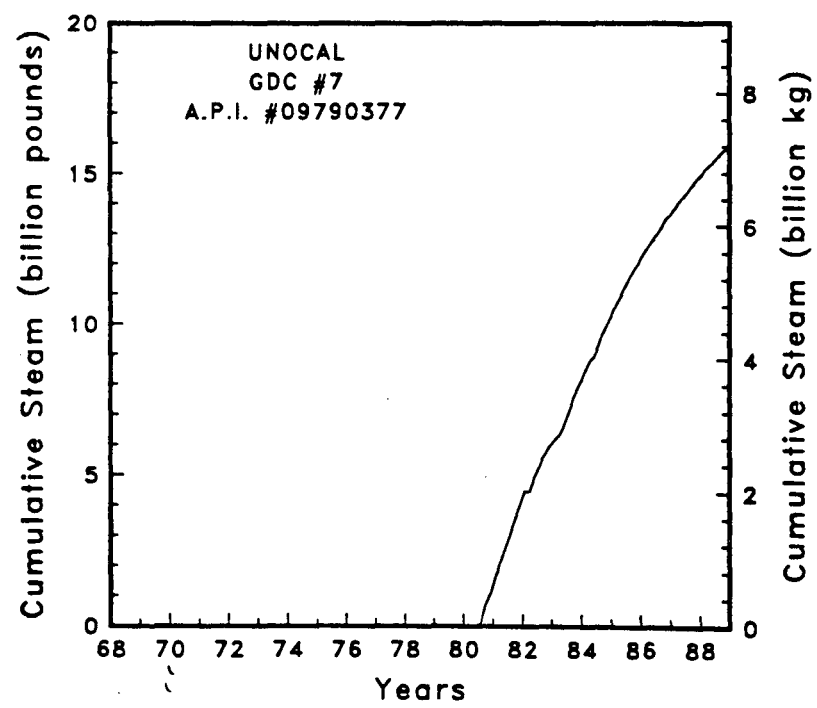
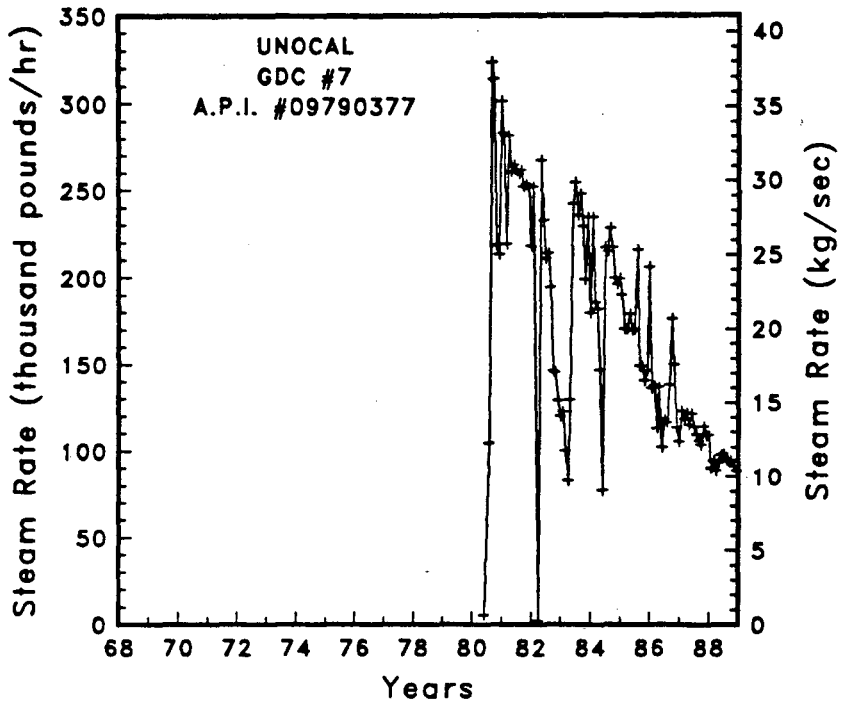


Figure A-79 Steam rate and cumulative mass flow for well GDC #7

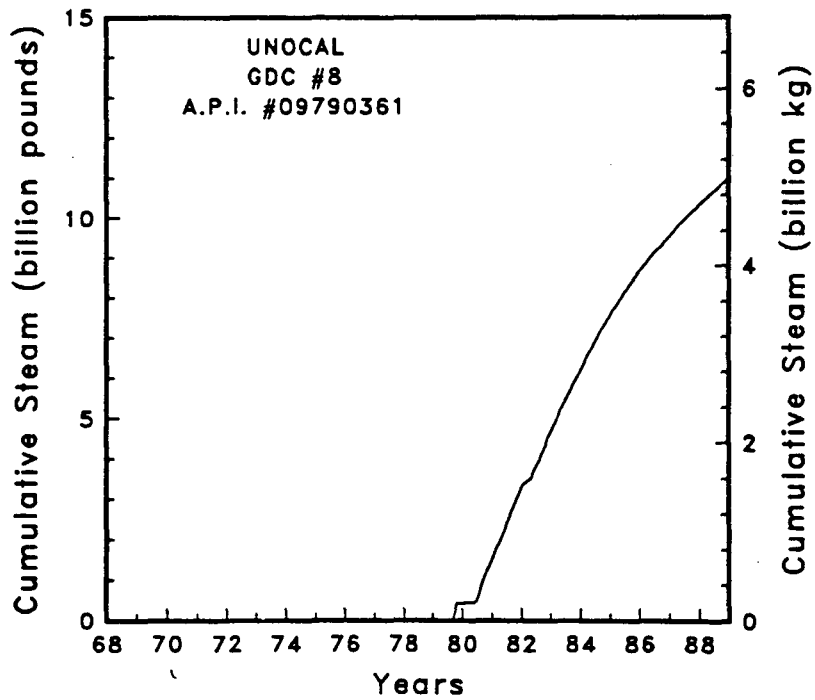
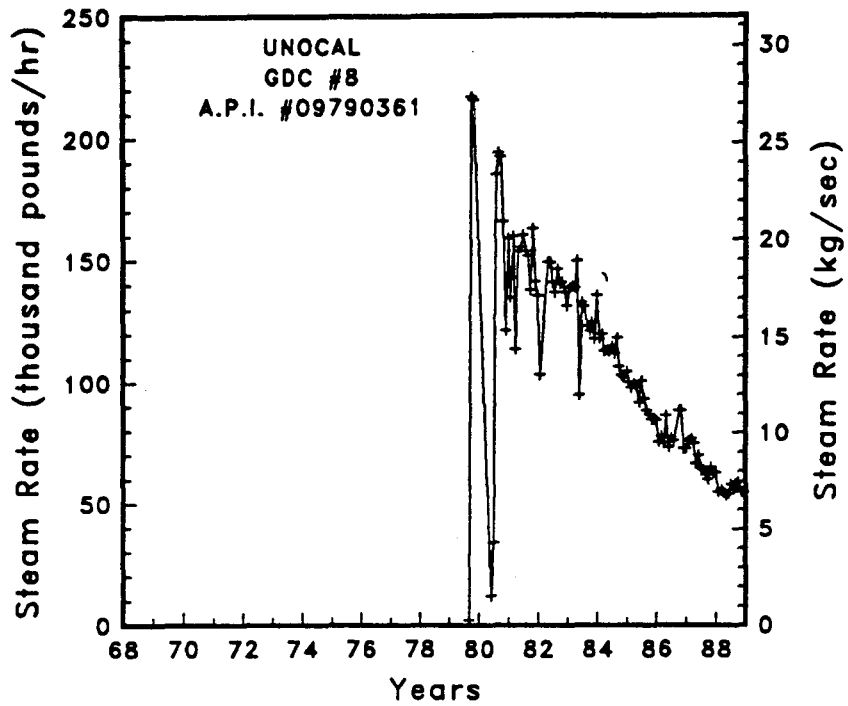


Figure A-80

Steam rate and cumulative mass flow for well GDC #8

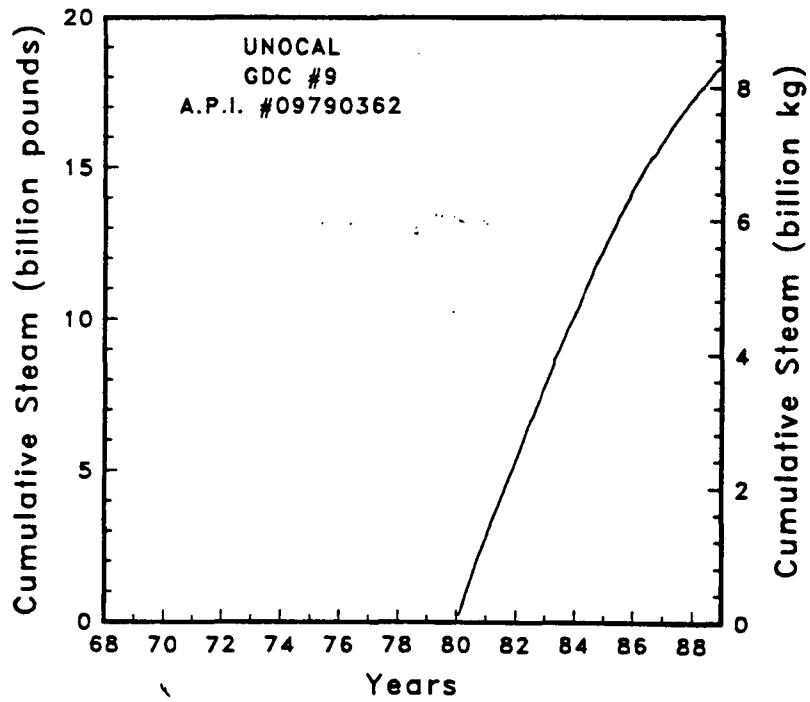
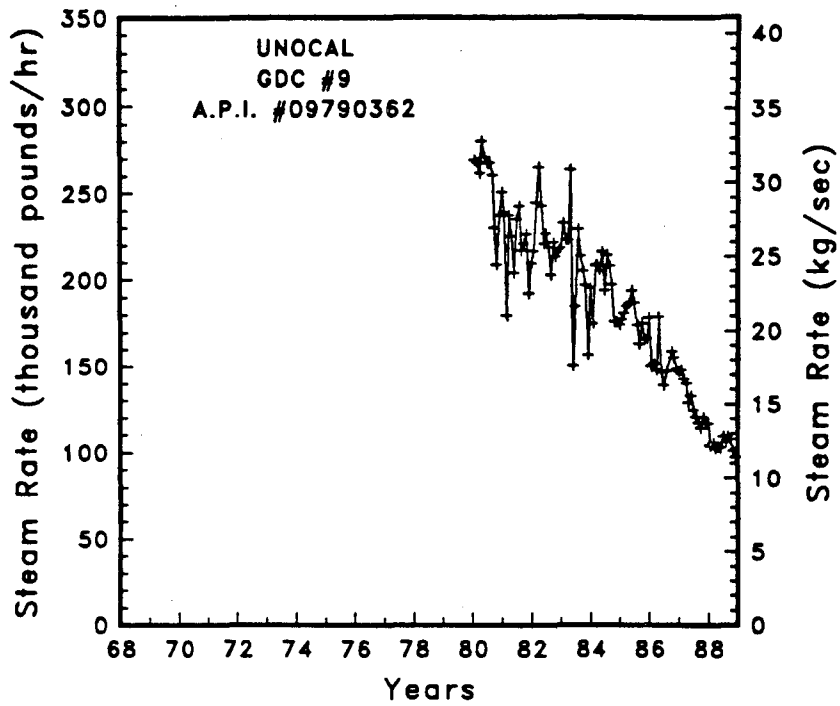


Figure A-81

Steam rate and cumulative mass flow for well GDC #9

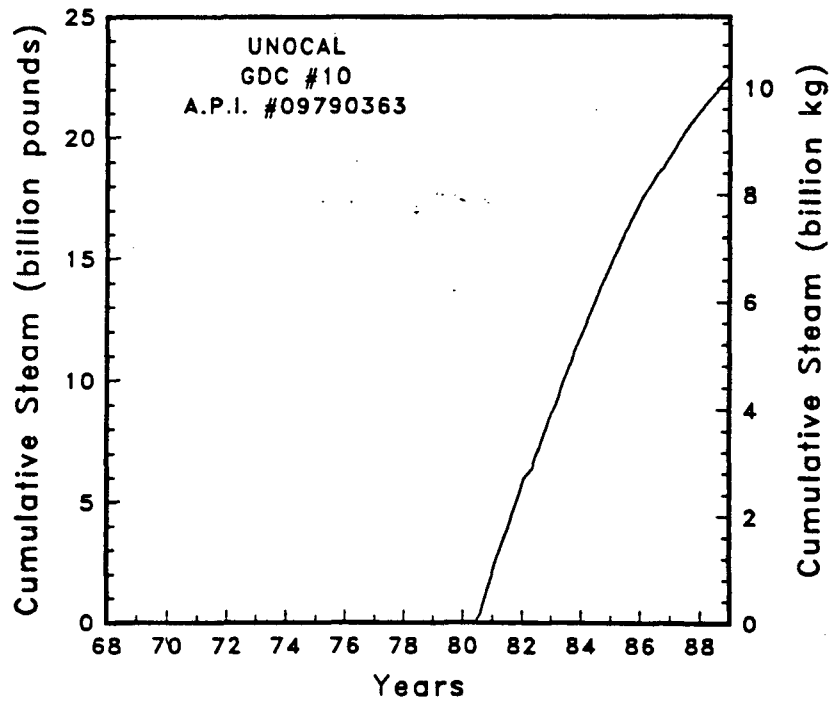
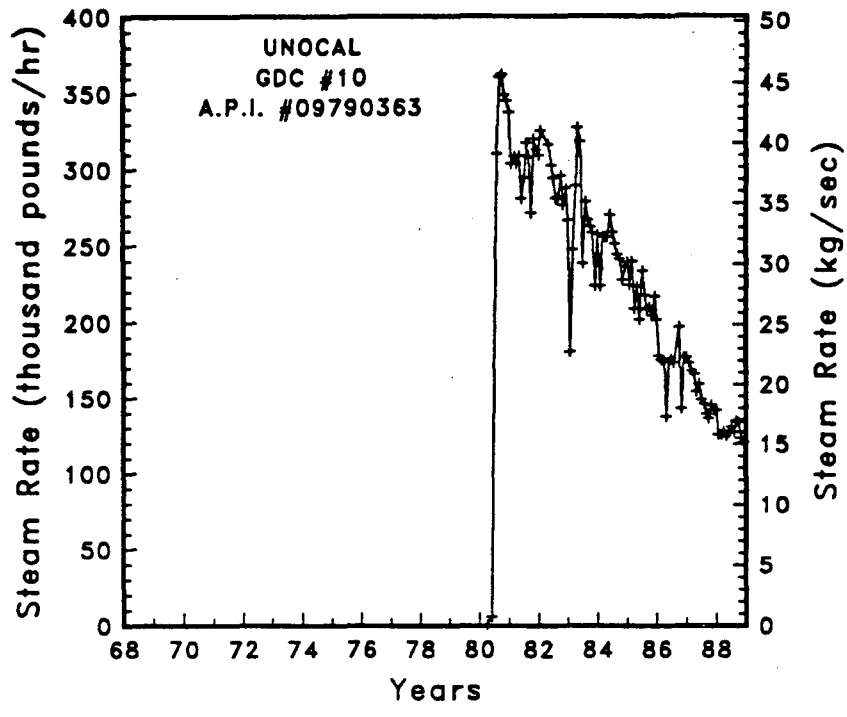


Figure A-82. Steam rate and cumulative mass flow for well GDC #10

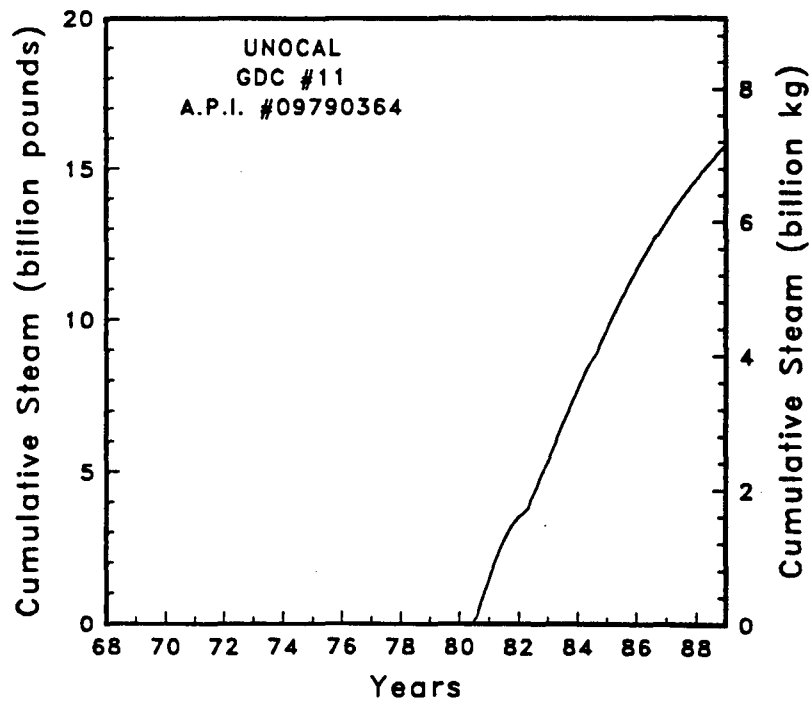
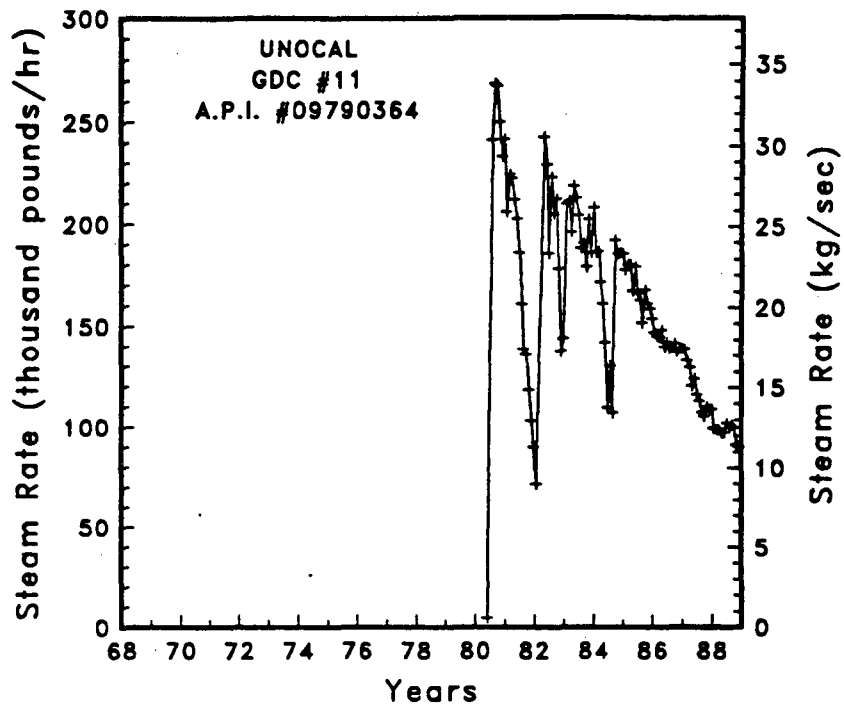


Figure A-83: Steam rate and cumulative mass flow for well GDC #11



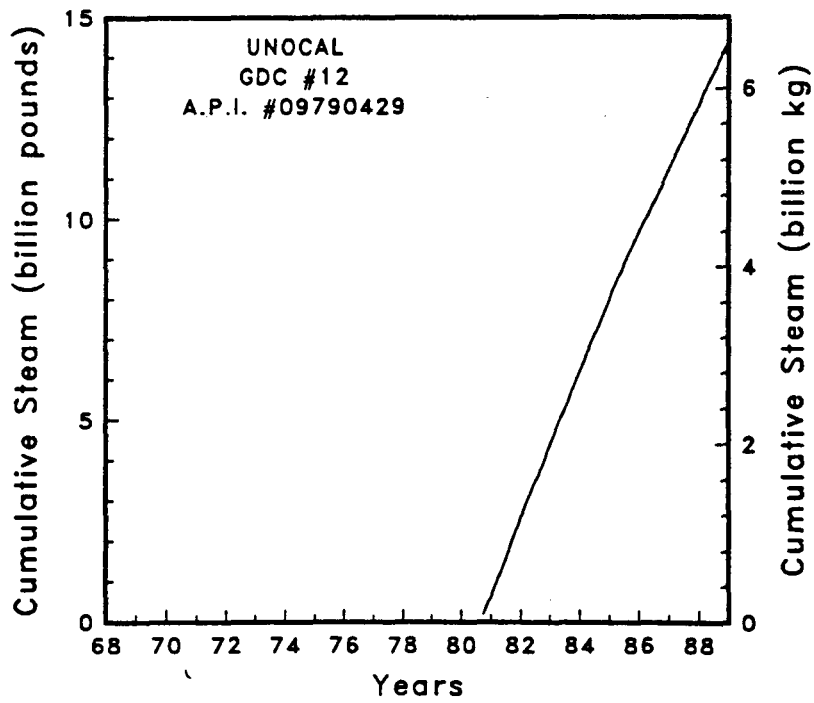
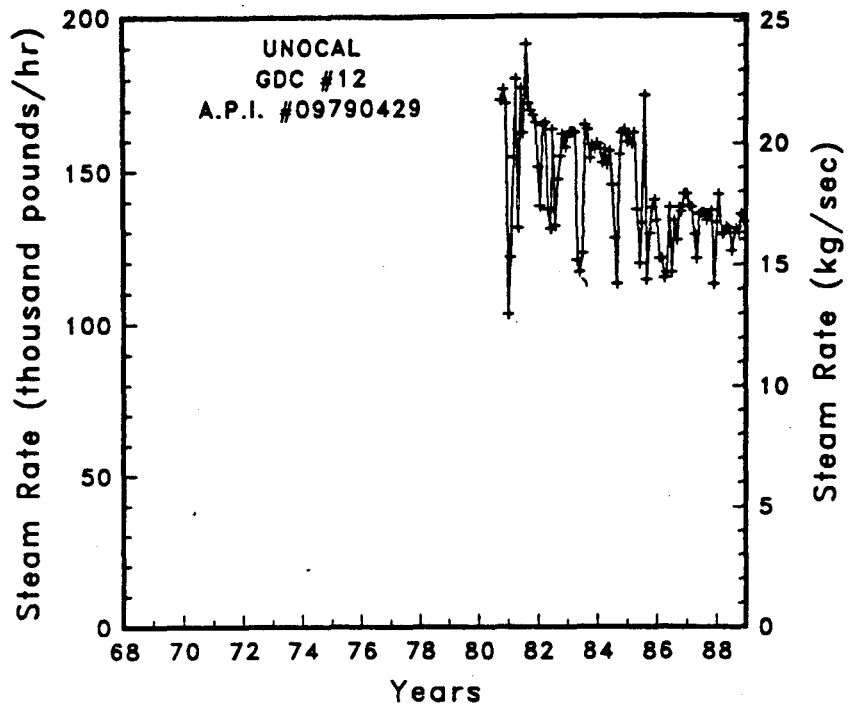


Figure A-84

Steam rate and cumulative mass flow for well GDC #12

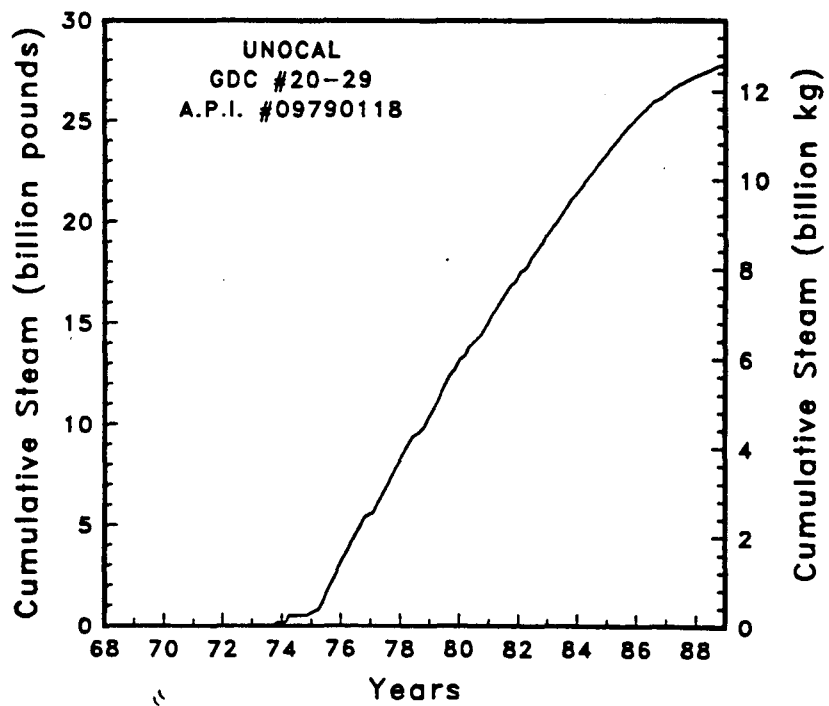
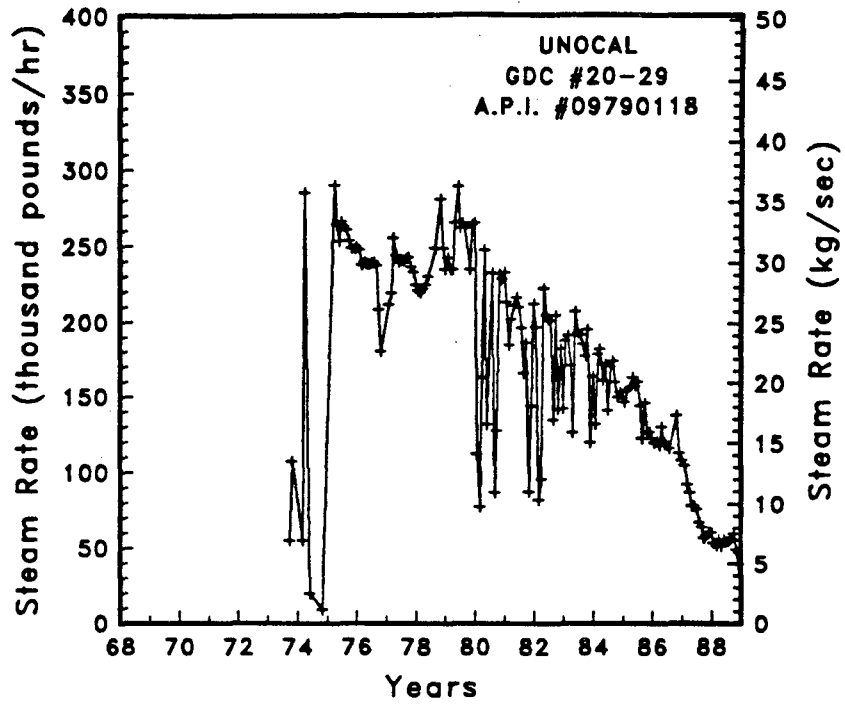


Figure A-85 Steam rate and cumulative mass flow for well GDC #20-29

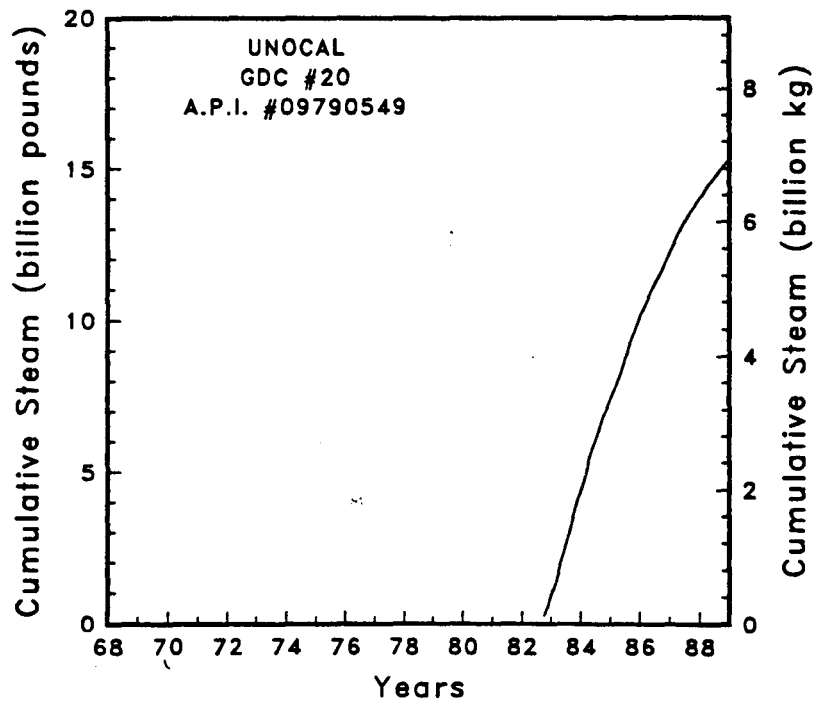
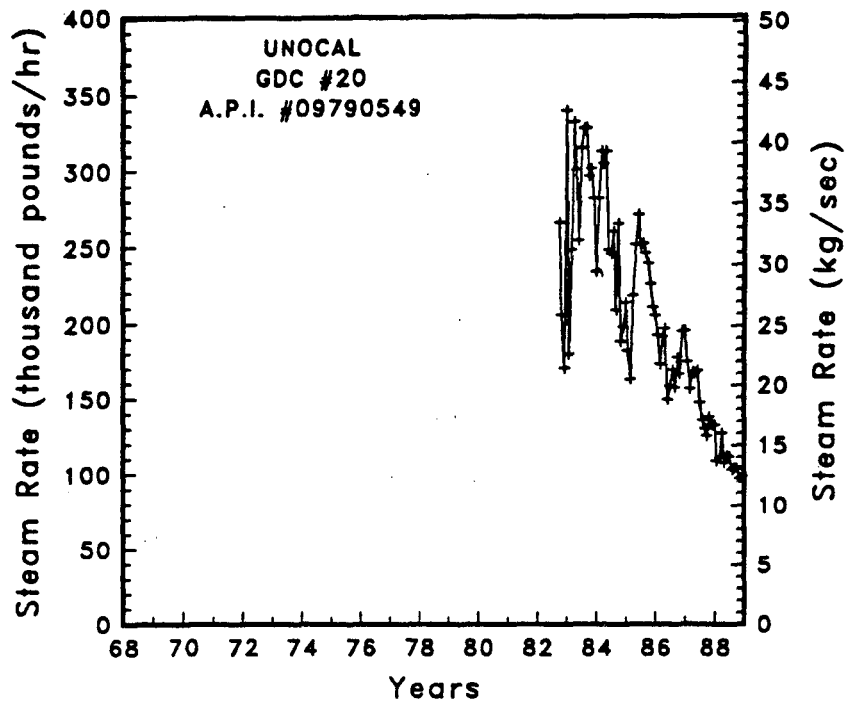


Figure A-86 Steam rate and cumulative mass flow for well GDC #20

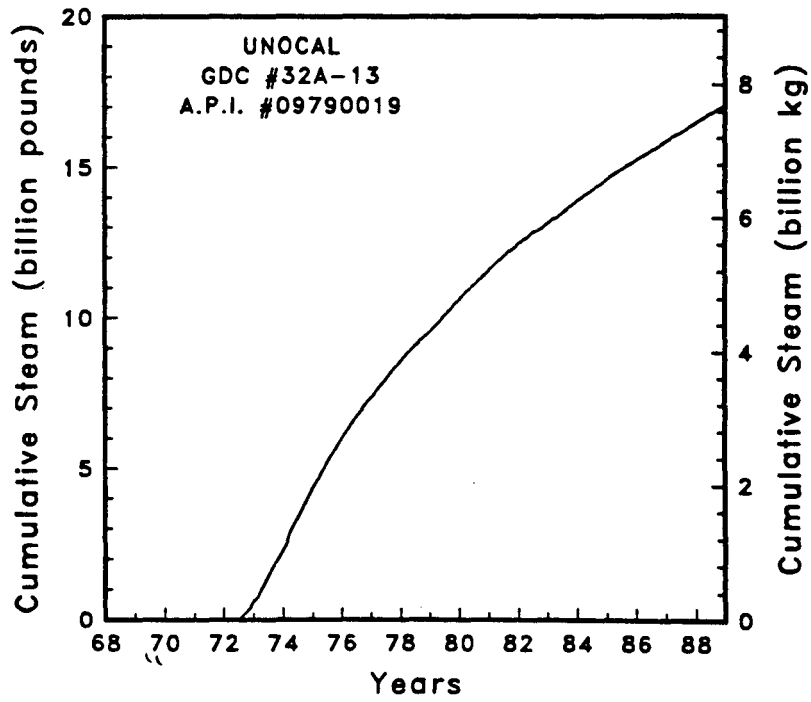
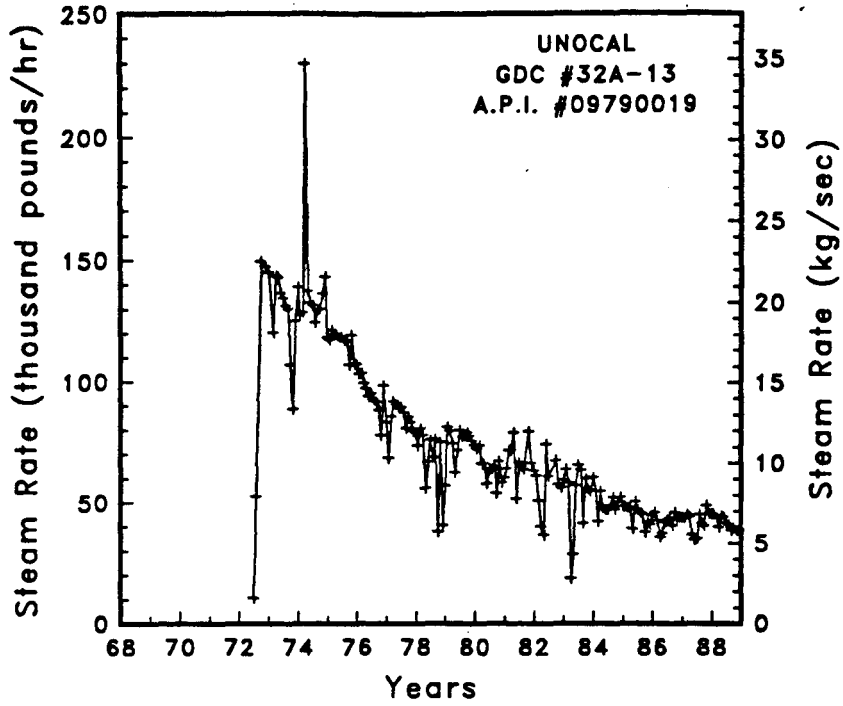


Figure A-87

Steam rate and cumulative mass flow for well GDC #32A-13

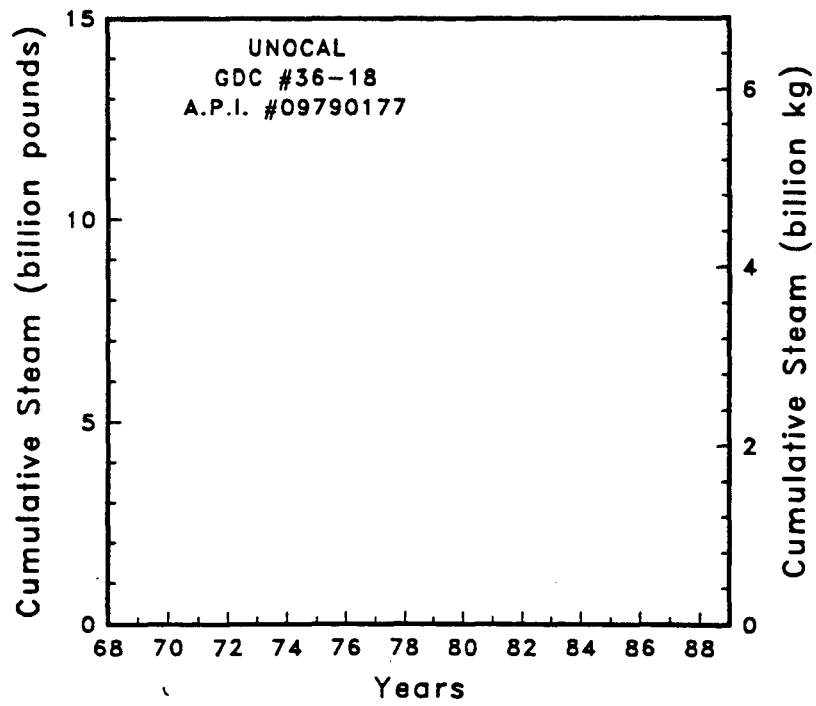
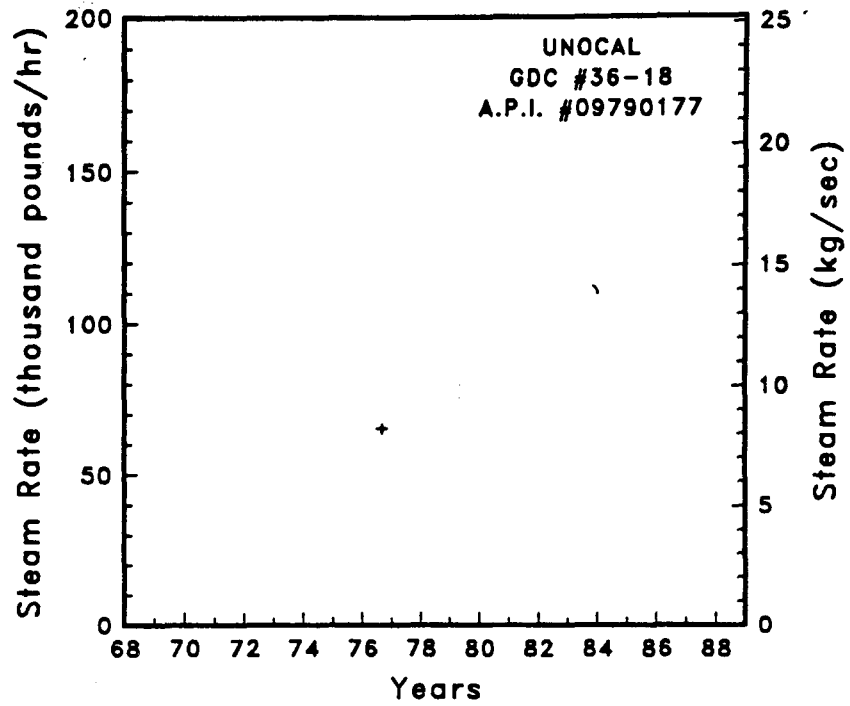


Figure A-88 Steam rate and cumulative mass flow for well GDC #36-18

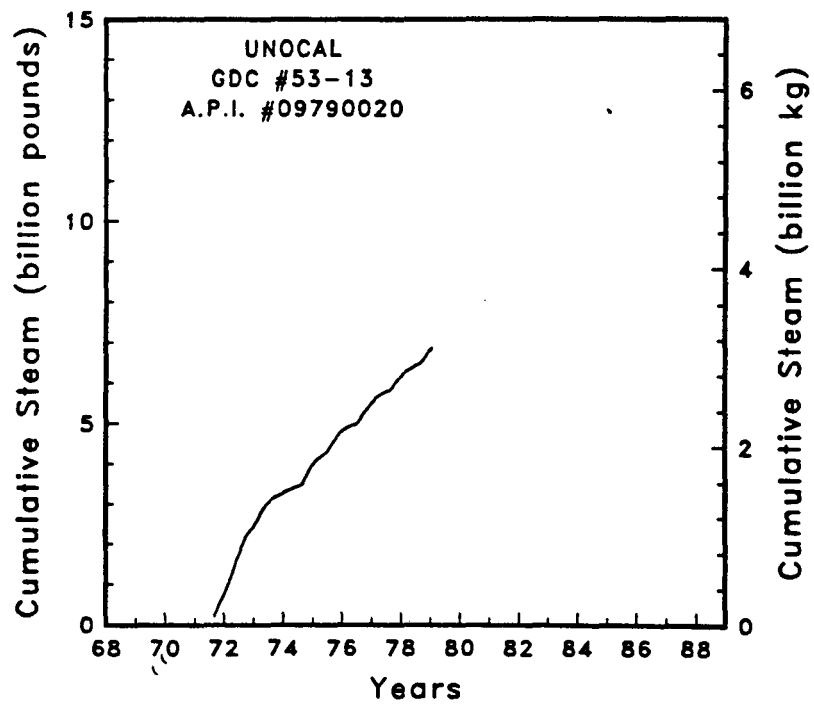
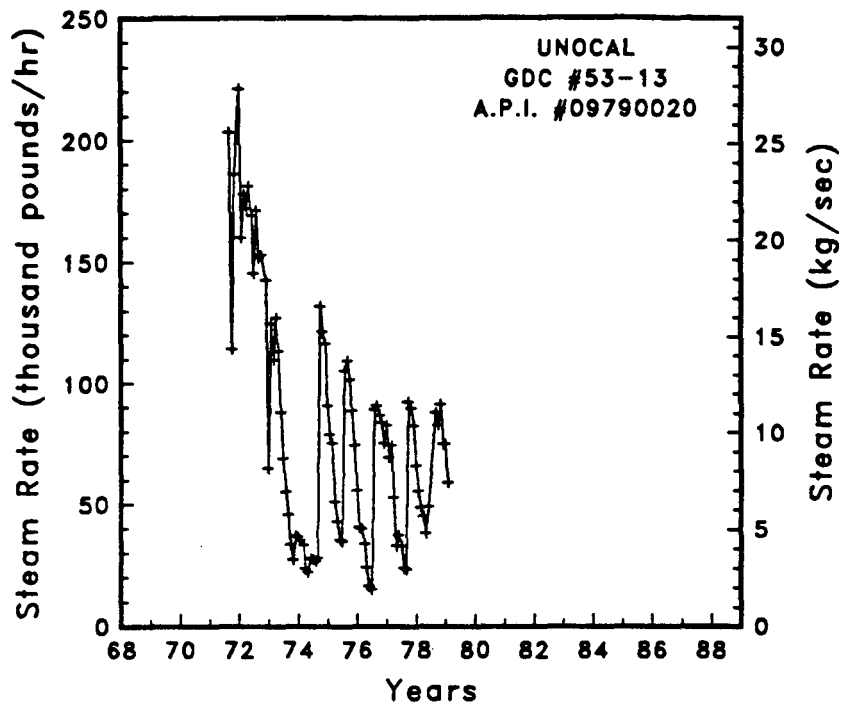


Figure A-89

Steam rate and cumulative mass flow for well GDC #53-13

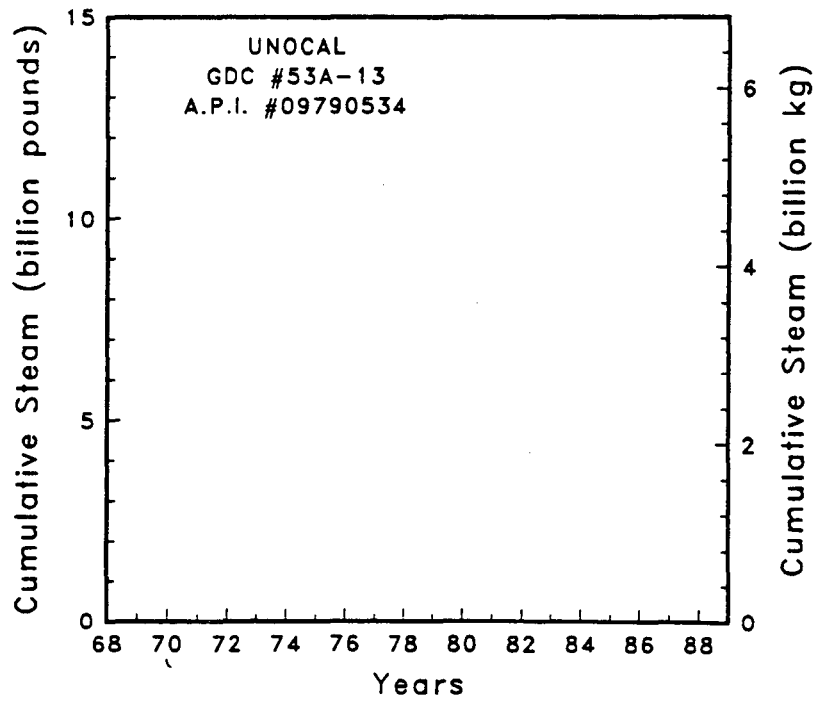
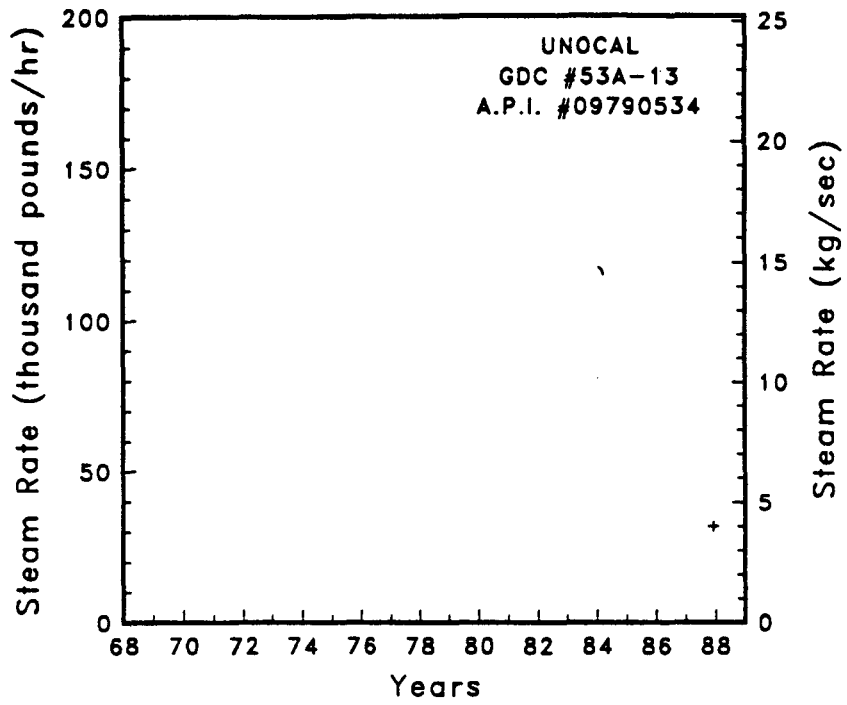


Figure A-90 Steam rate and cumulative mass flow for well GDC #53A-13

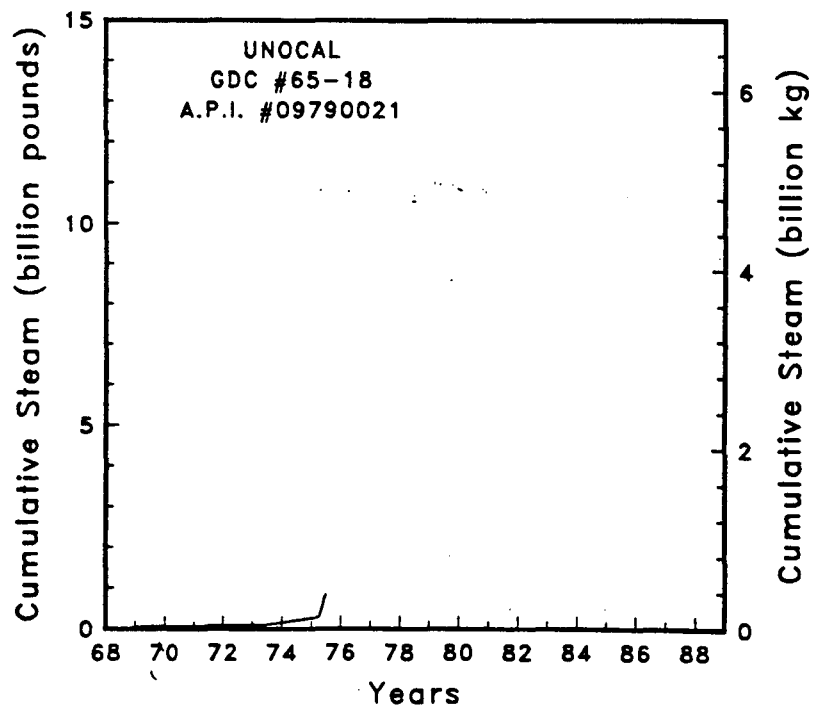
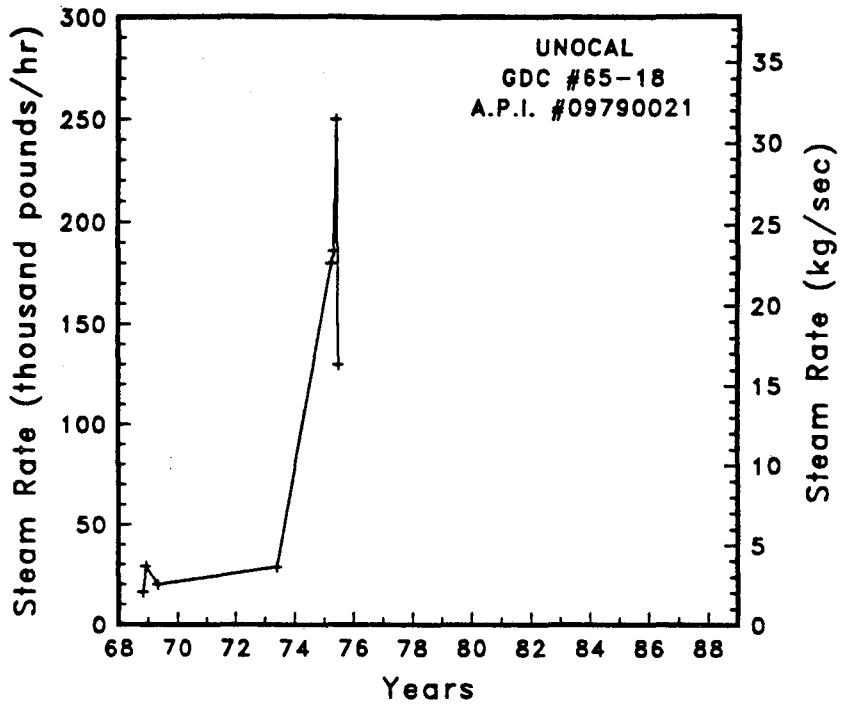


Figure A-91

Steam rate and cumulative mass flow for well GDC #65-18



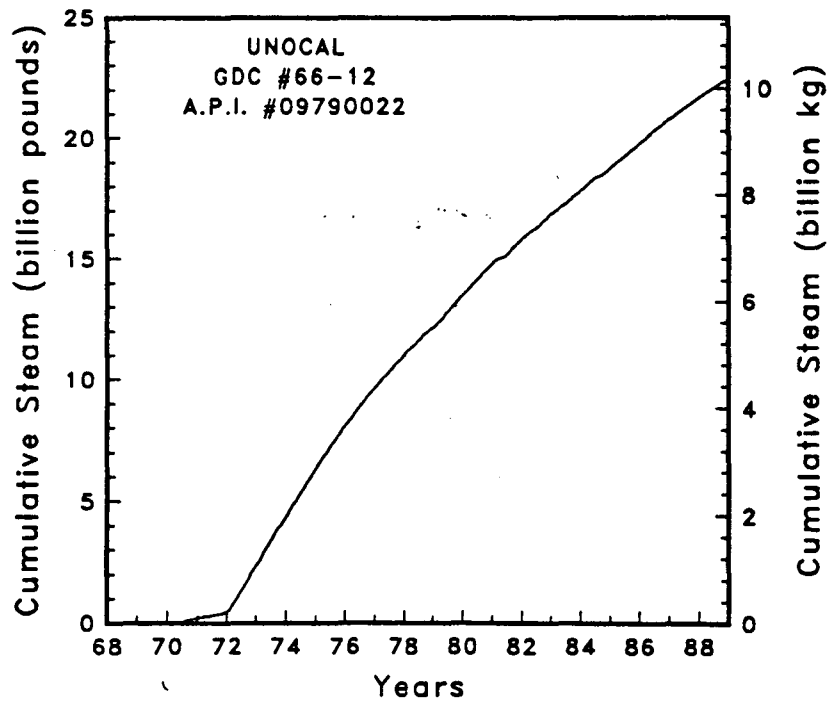
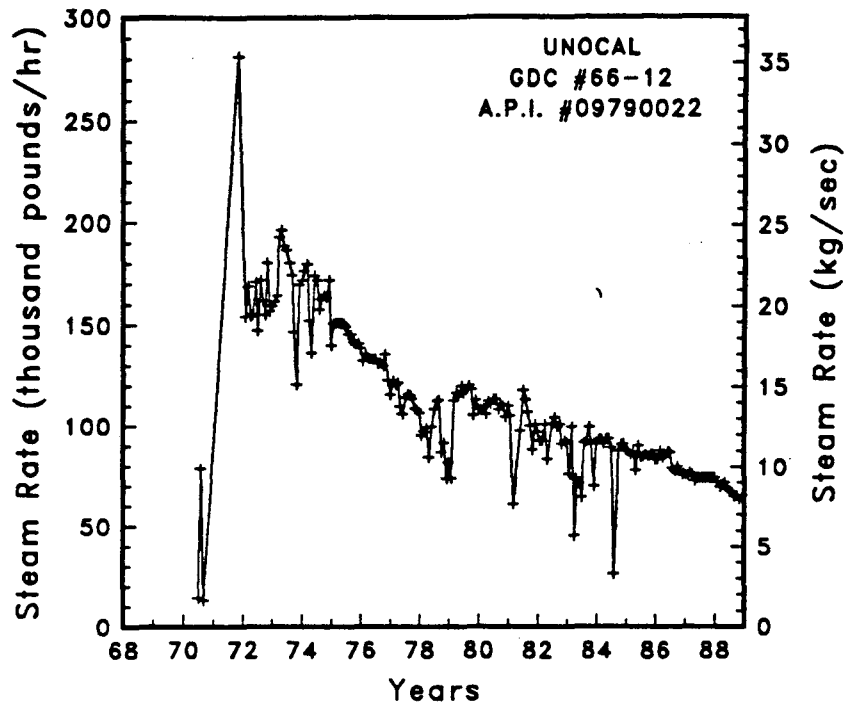


Figure A-92. Steam rate and cumulative mass flow for well GDC #66-12

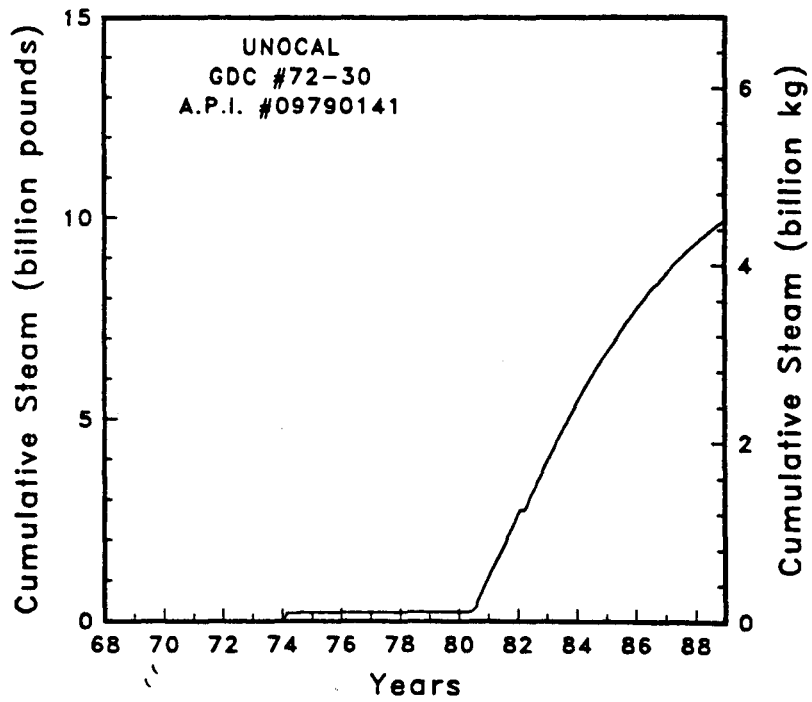
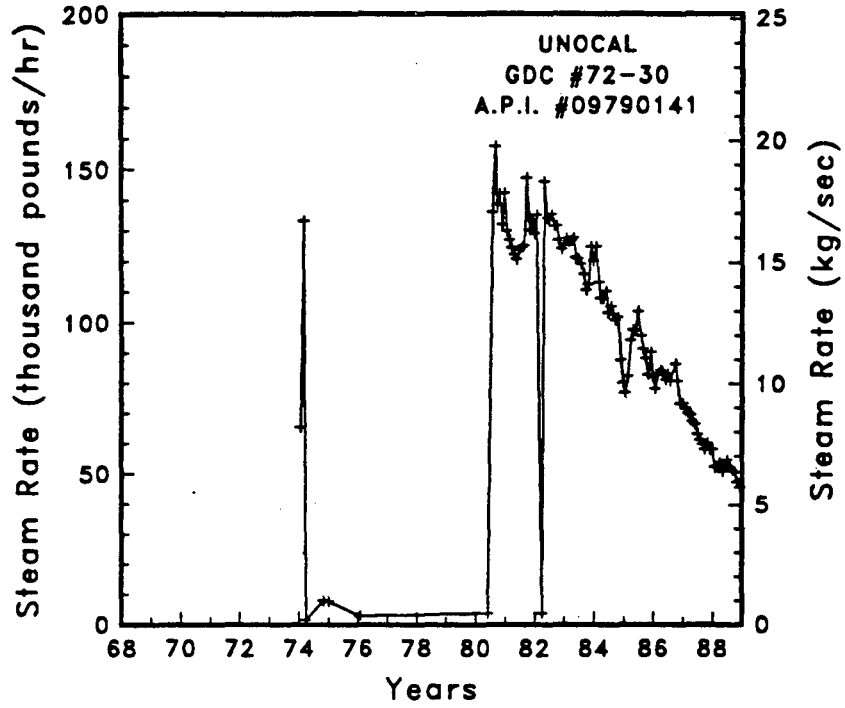


Figure A-93

Steam rate and cumulative mass flow for well GDC #72-30

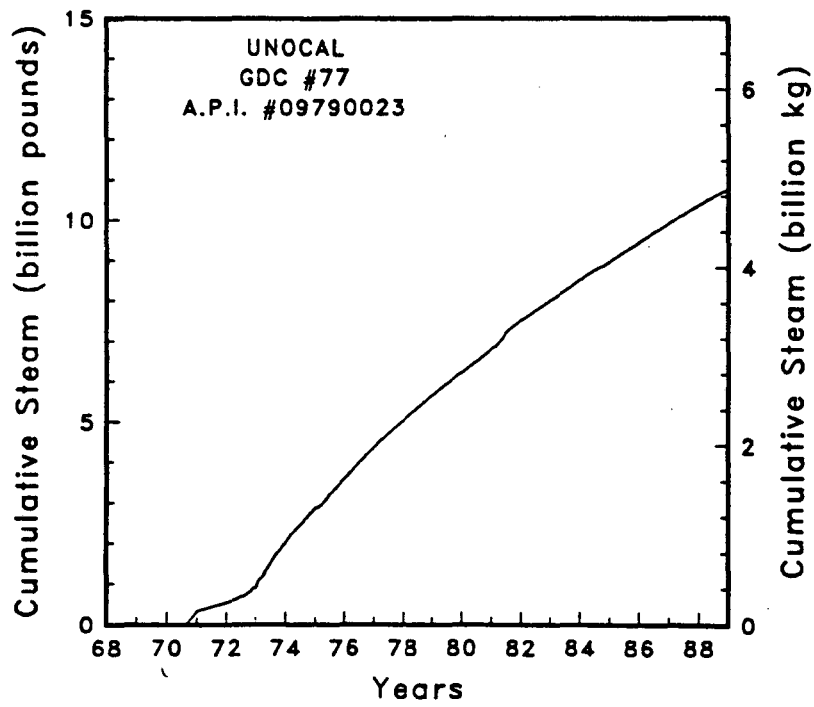
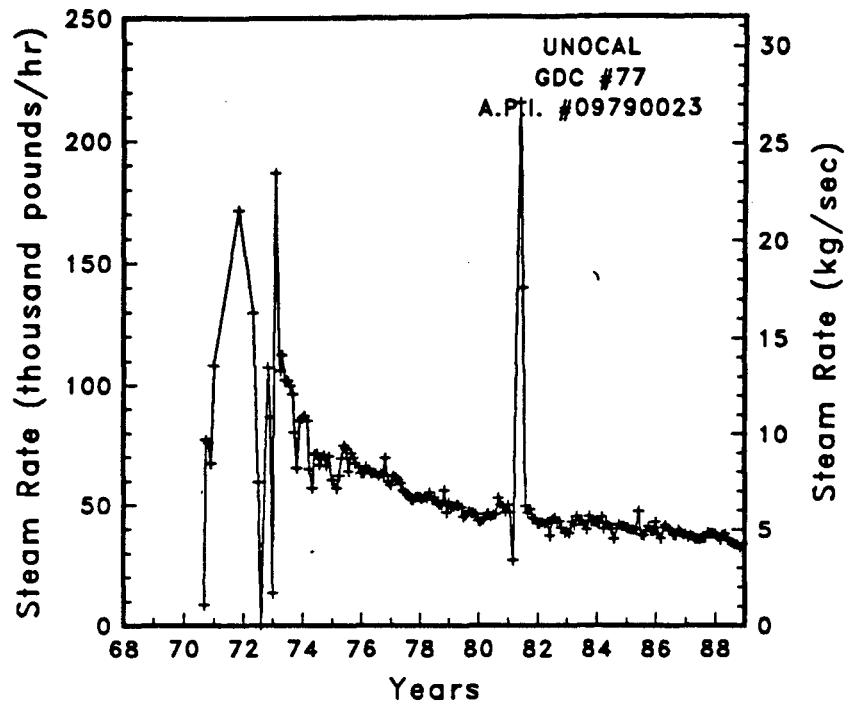


Figure A-94

Steam rate and cumulative mass flow for well GDC #77

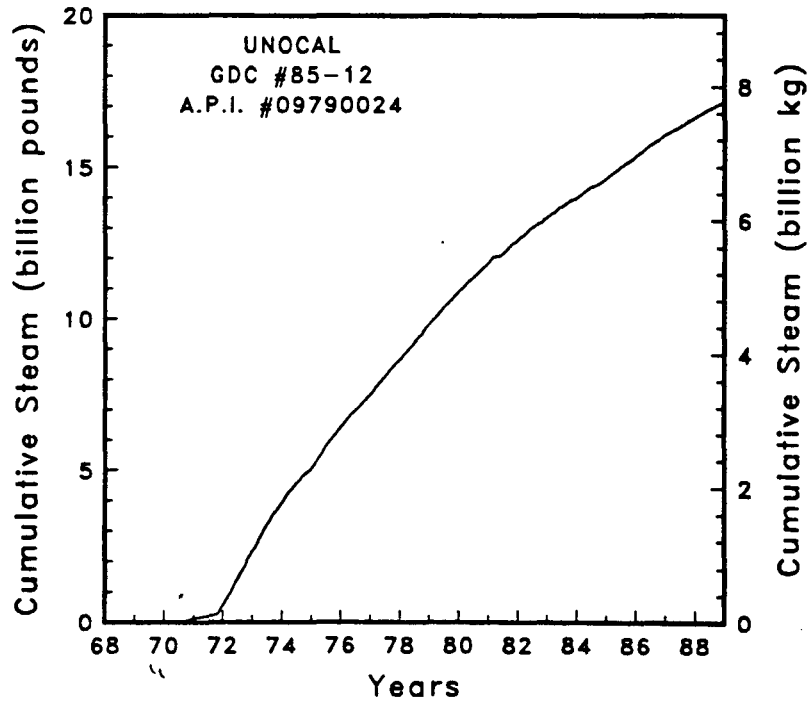
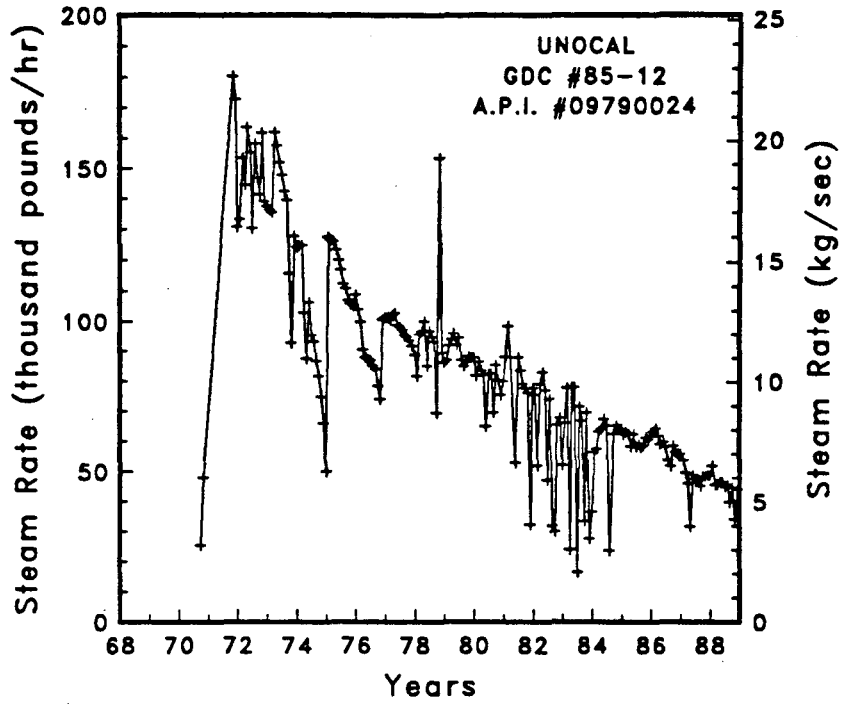


Figure A-95

Steam rate and cumulative mass flow for well GDC #85-12

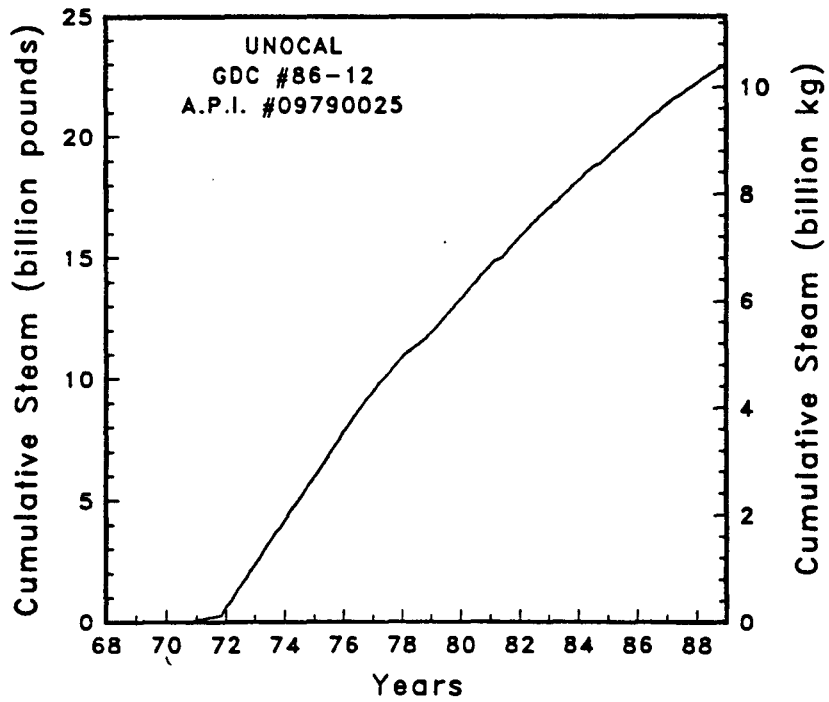
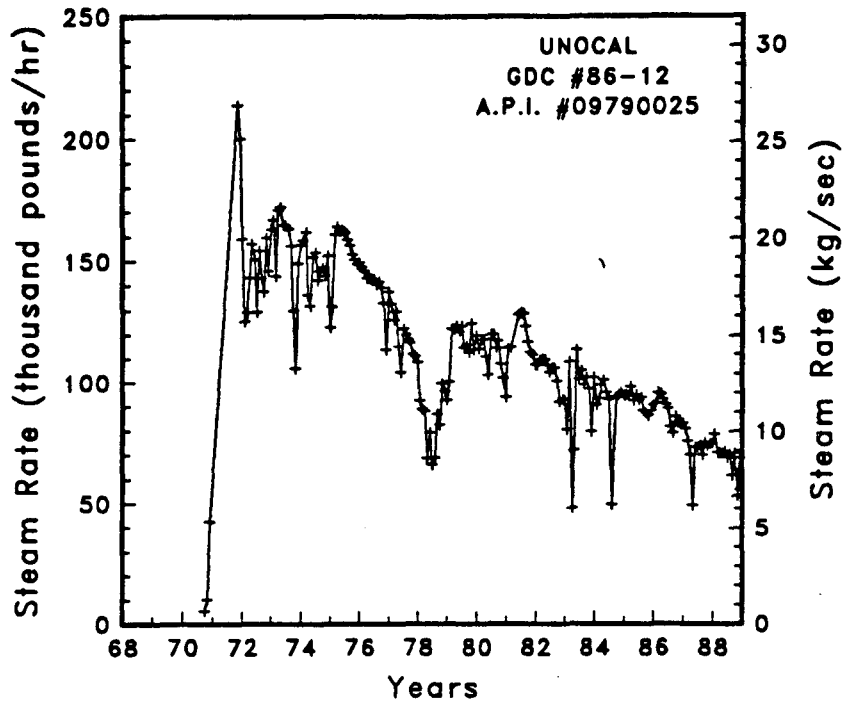


Figure A-96

Steam rate and cumulative mass flow for well GDC #86-12

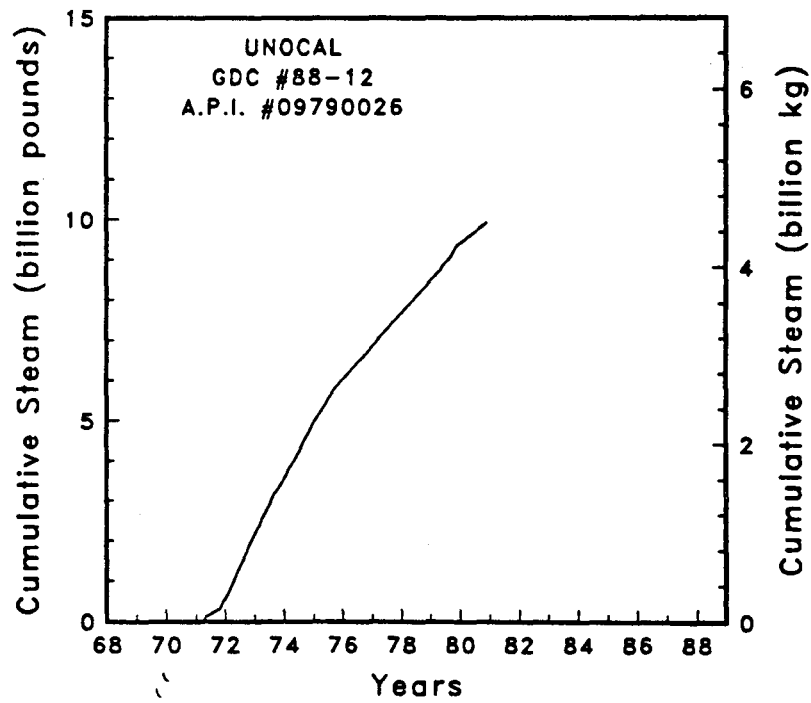
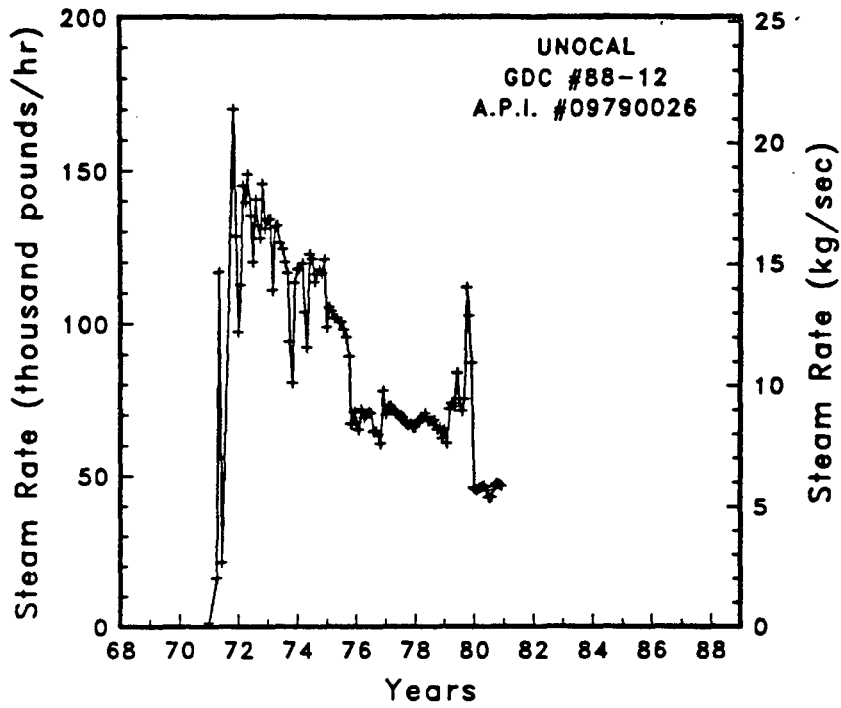


Figure A-97

Steam rate and cumulative mass flow for well GDC #88-12

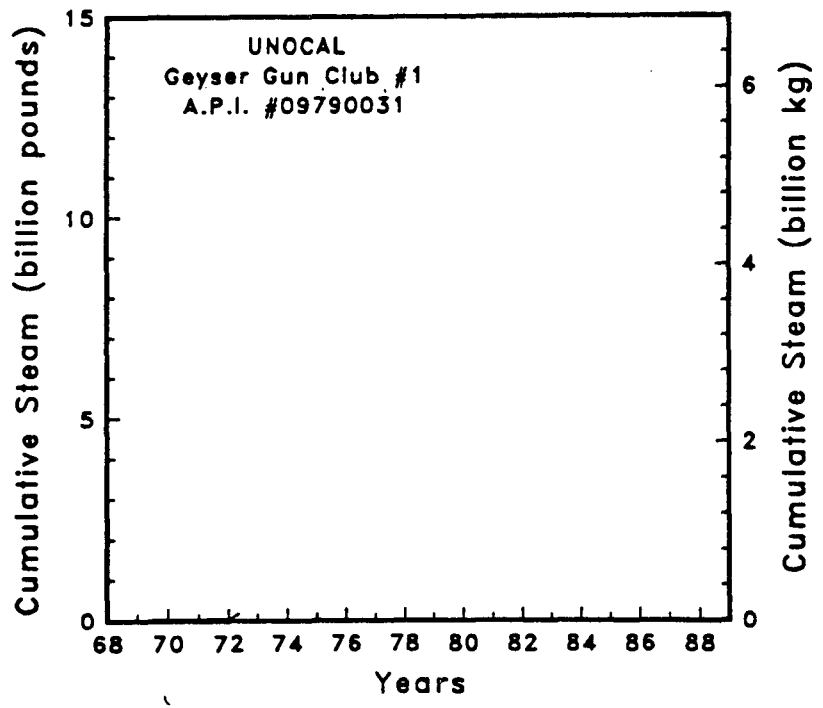
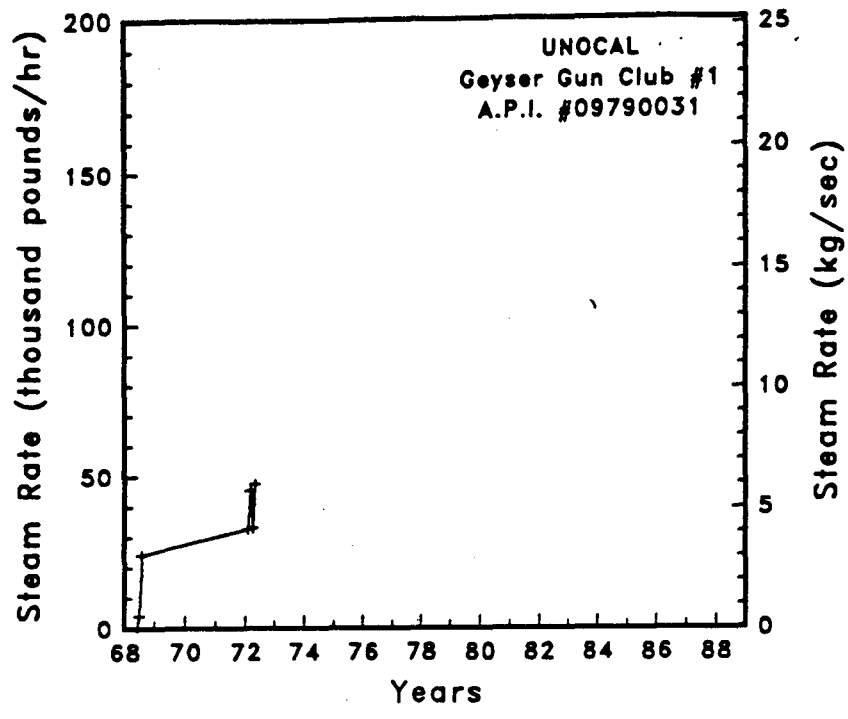


Figure A-98

Steam rate and cumulative mass flow for well Geyser Gun Club #1

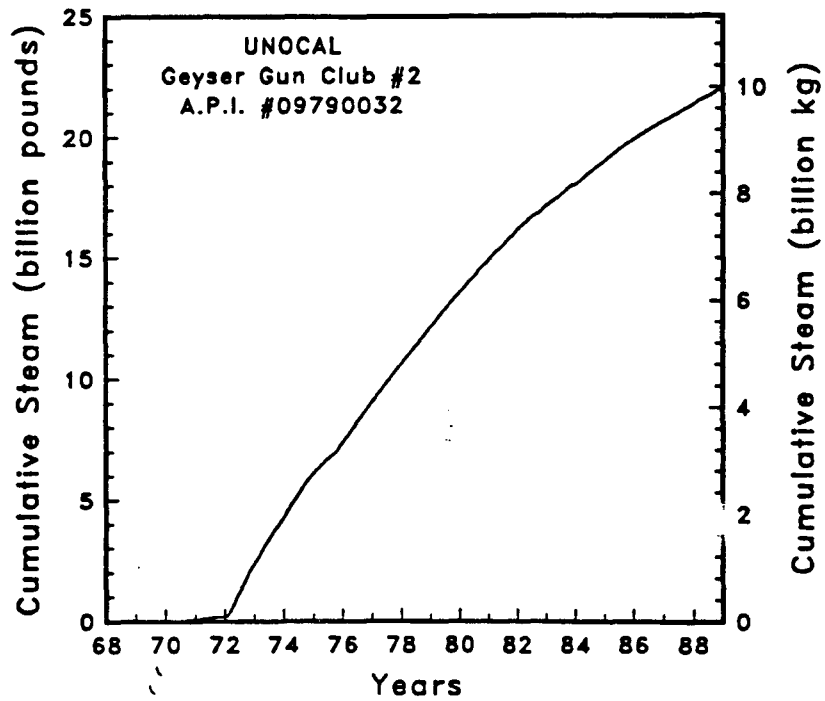
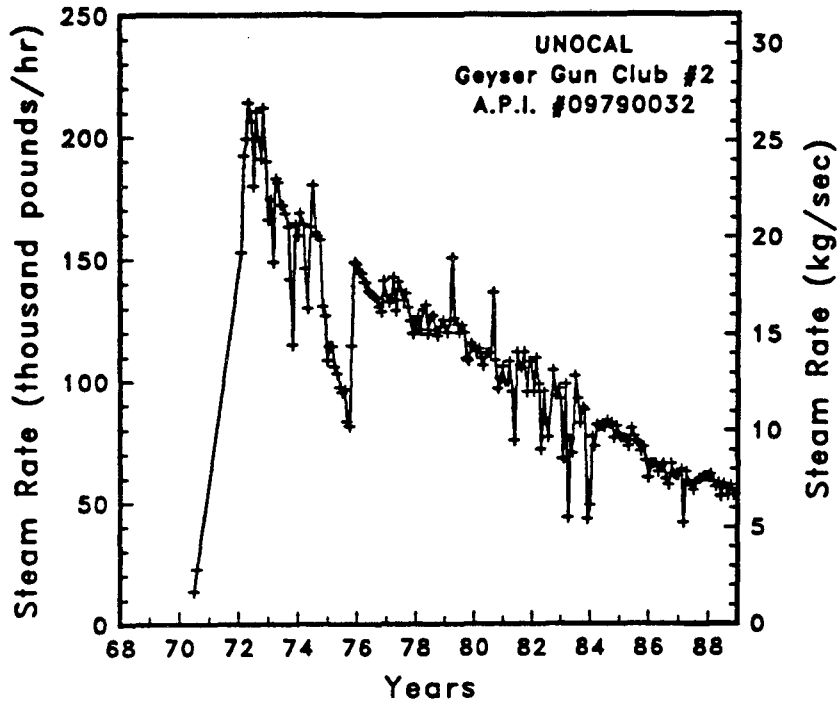


Figure A-99

Steam rate and cumulative mass flow for well Geyser Gun Club #2



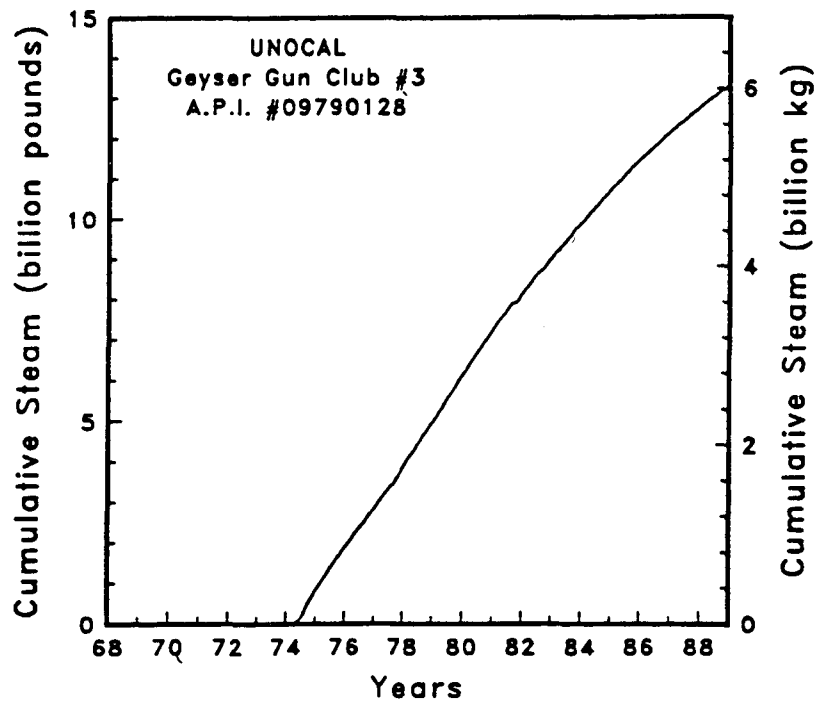
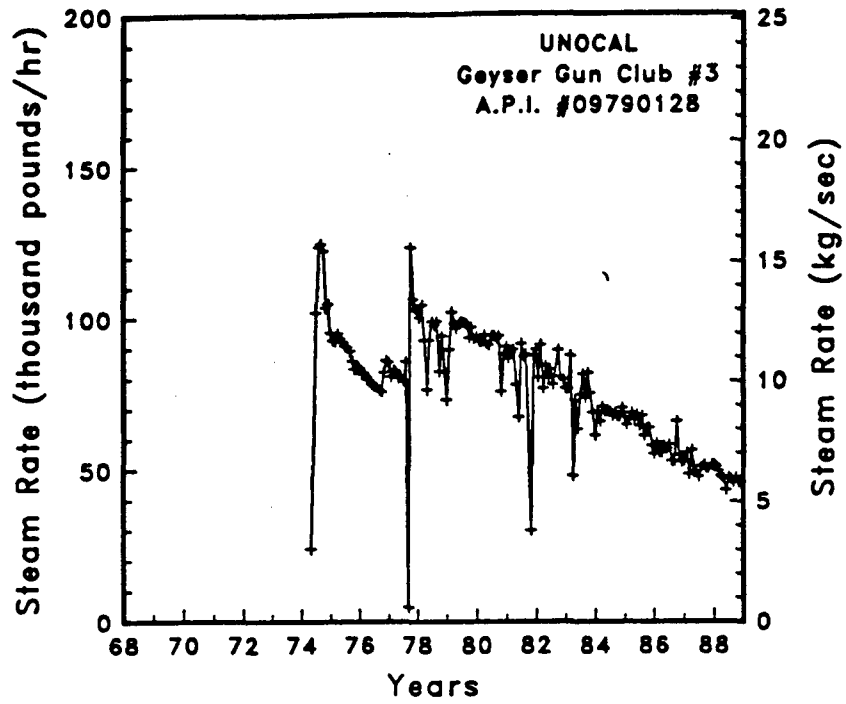


Figure A-100

Steam rate and cumulative mass flow for well Geyser Gun Club #3

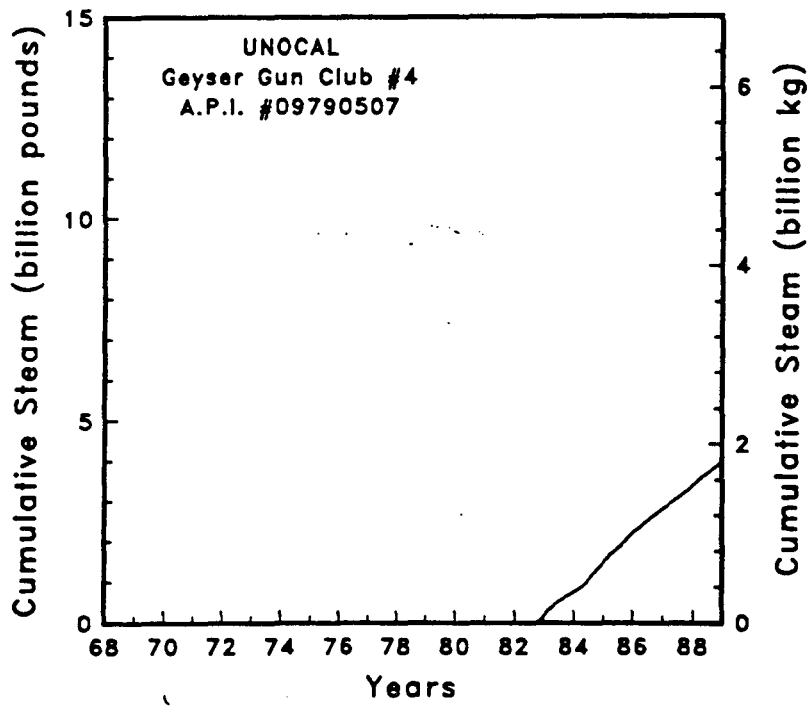
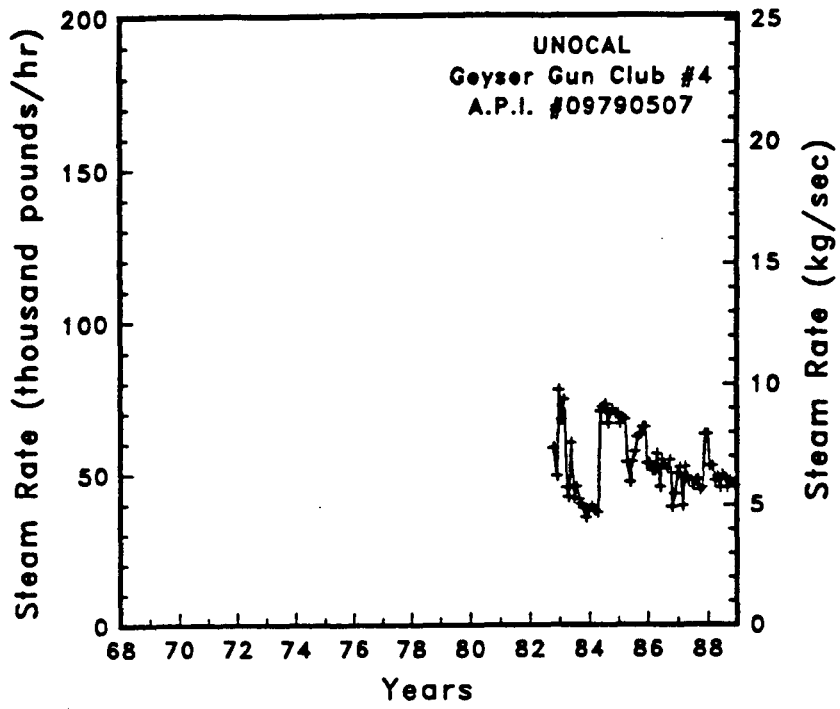


Figure A-101

Steam rate and cumulative mass flow for well Geyser Gun Club #4

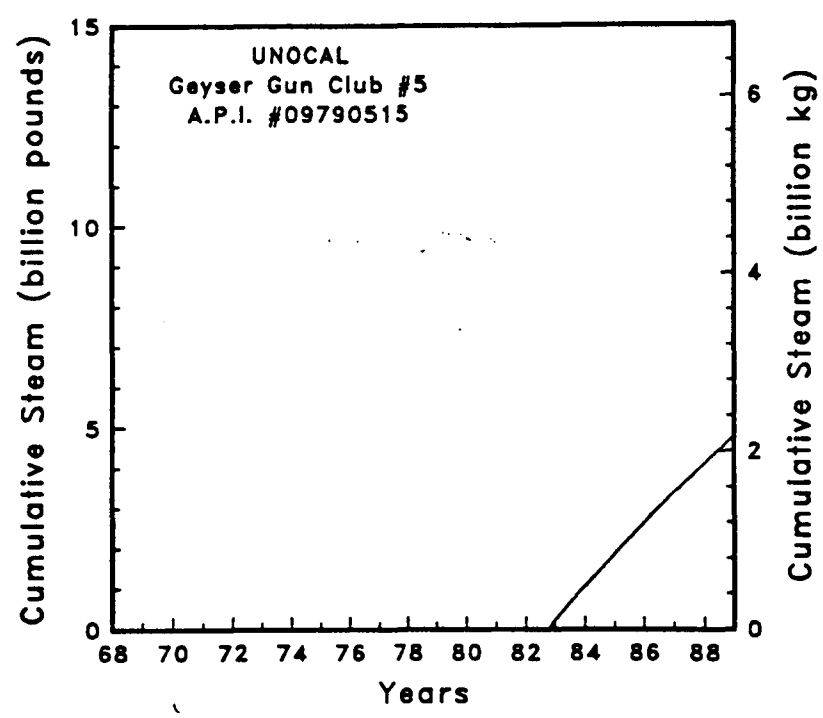
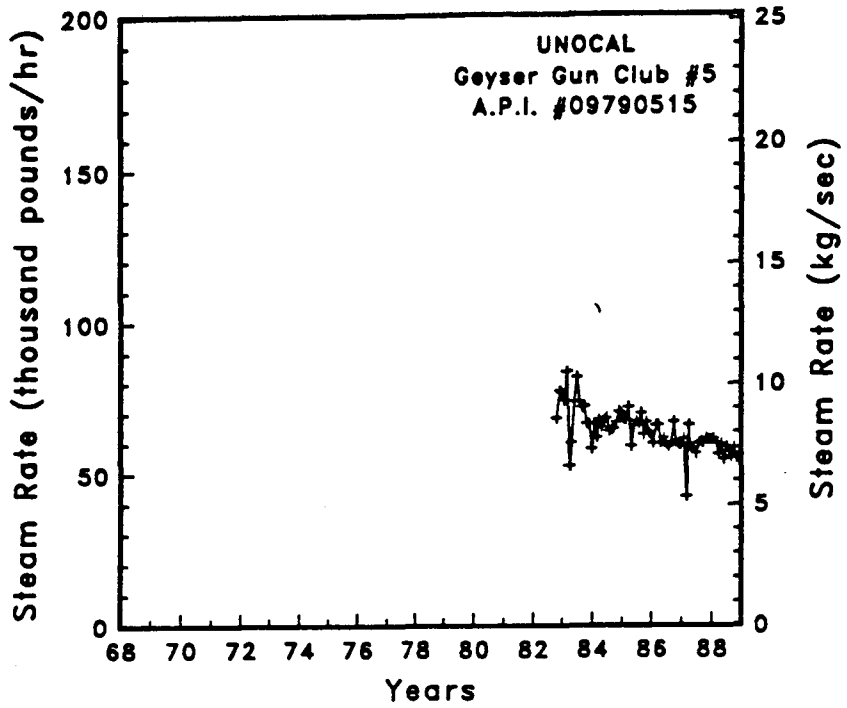


Figure A-102

Steam rate and cumulative mass flow for well Geyser Gun Club #5

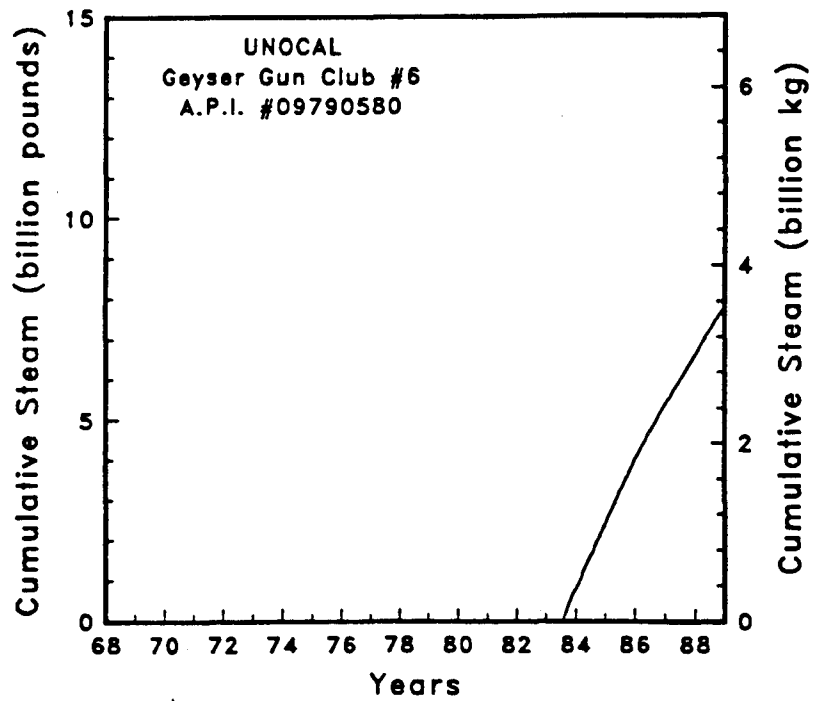
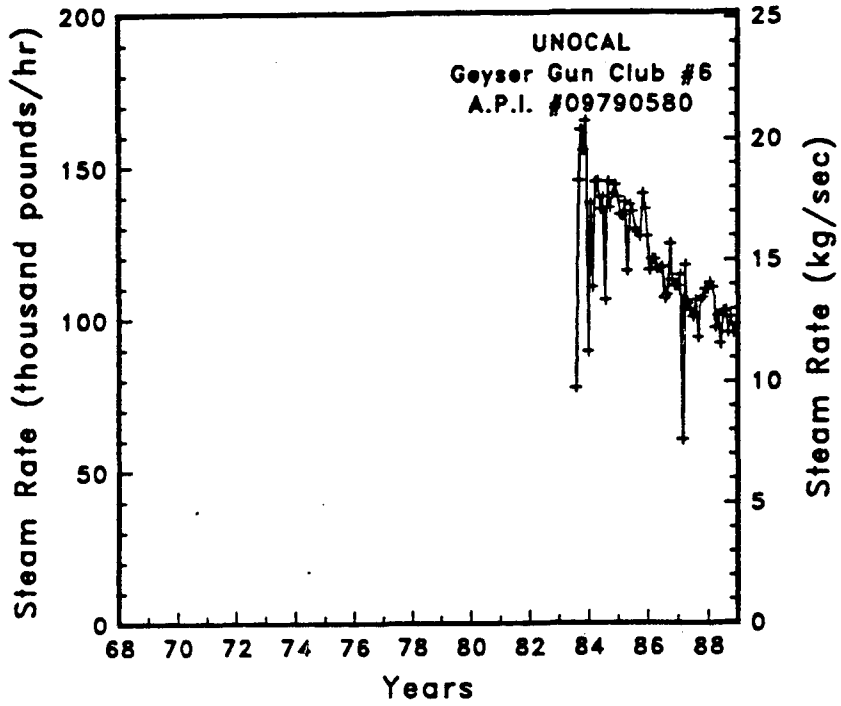


Figure A-103

Steam rate and cumulative mass flow for well Geyser Gun Club #6

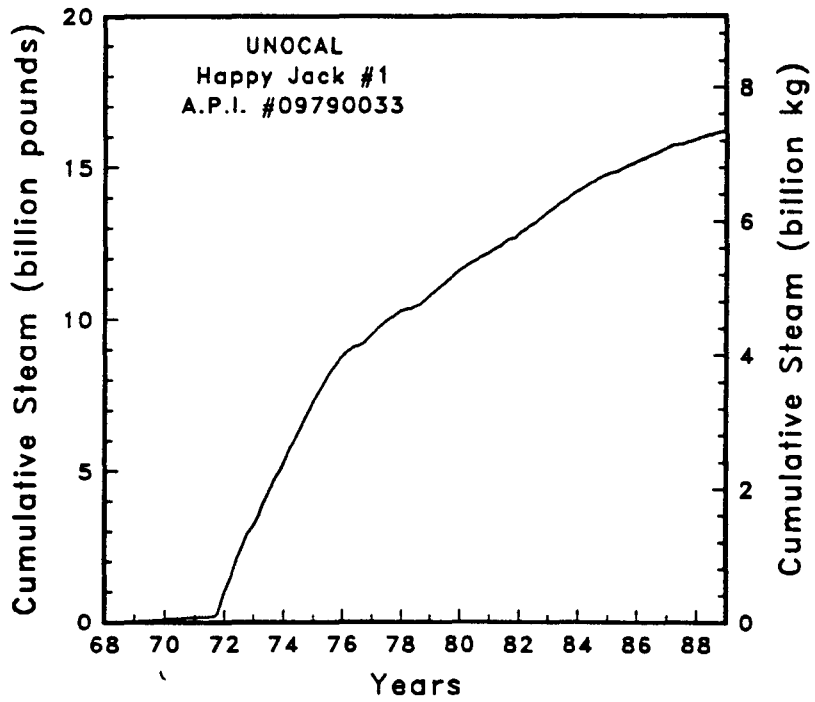
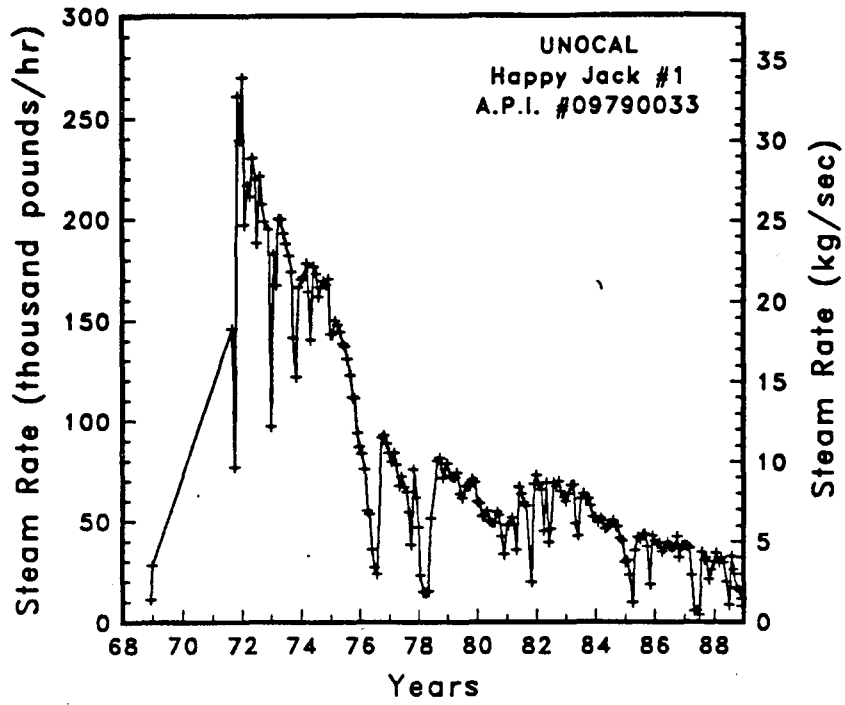


Figure A-104 Steam rate and cumulative mass flow for well Happy Jack #1

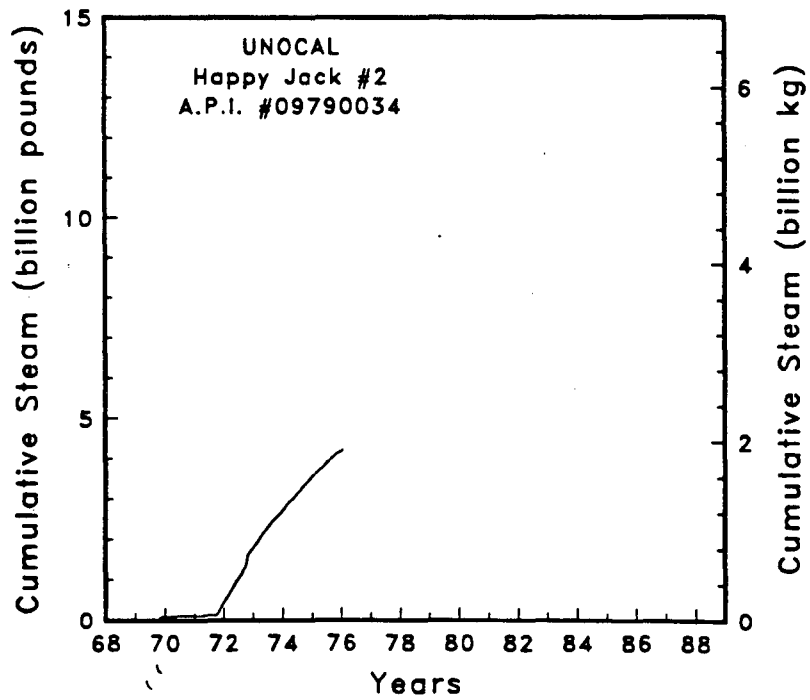
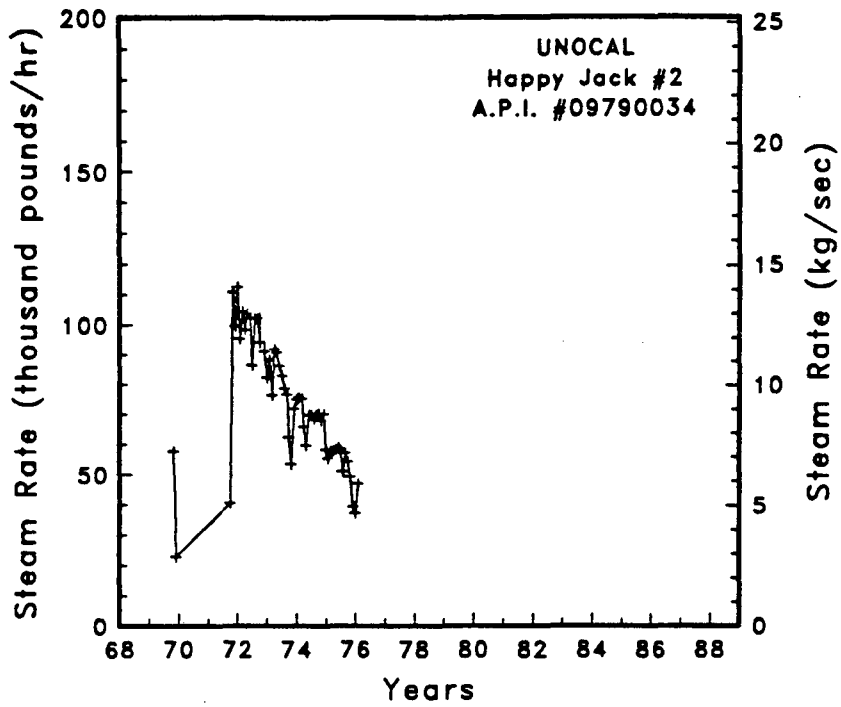


Figure A-105 Steam rate and cumulative mass flow for well Happy Jack #2

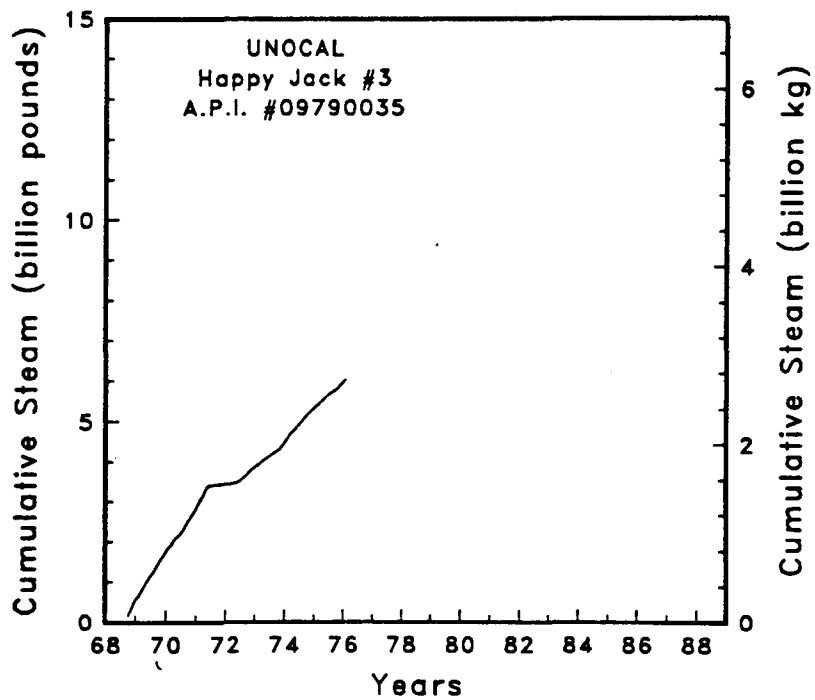
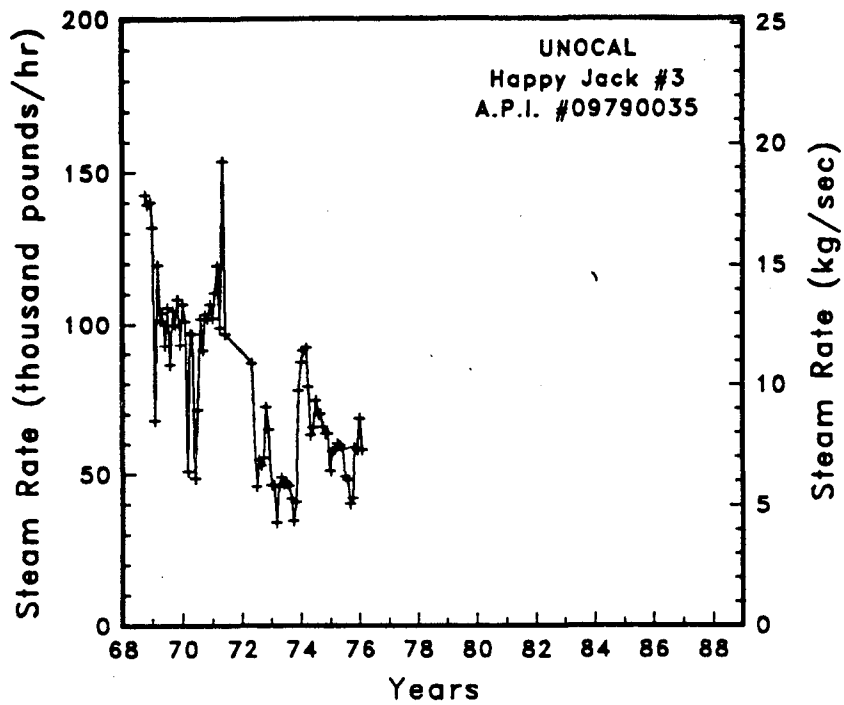


Figure A-106

Steam rate and cumulative mass flow for well Happy Jack #3

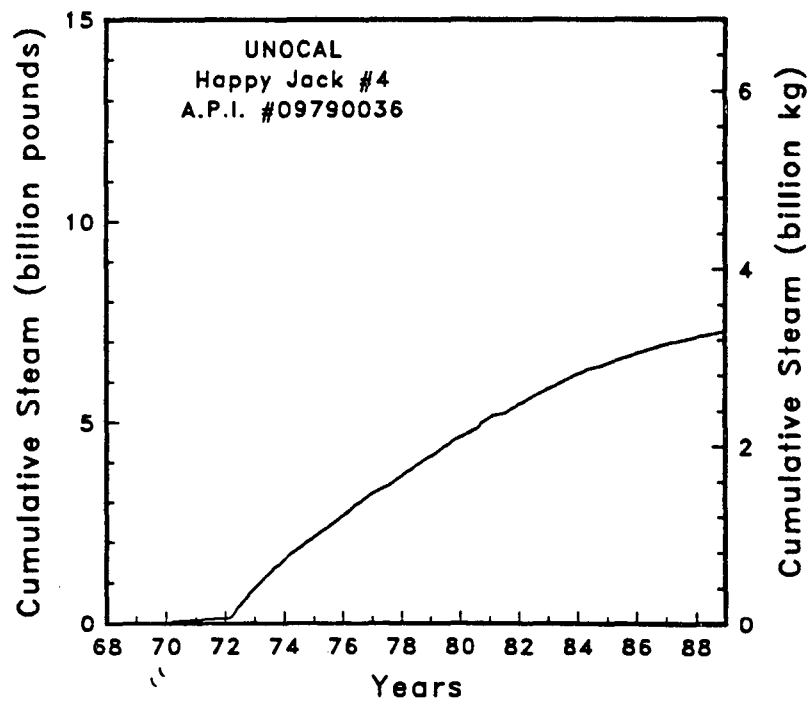
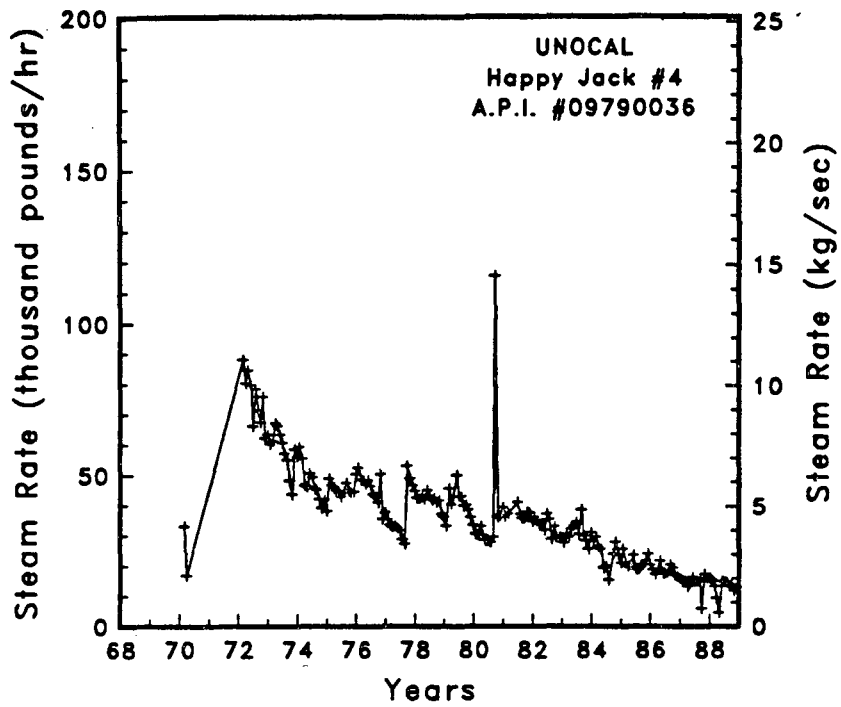


Figure A-107

Steam rate and cumulative mass flow for well Happy Jack #4



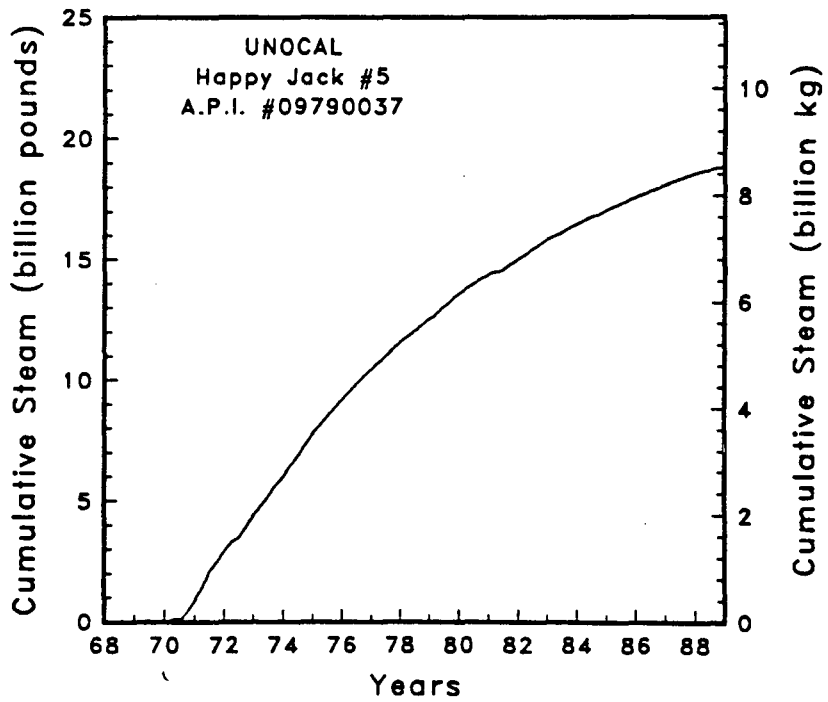
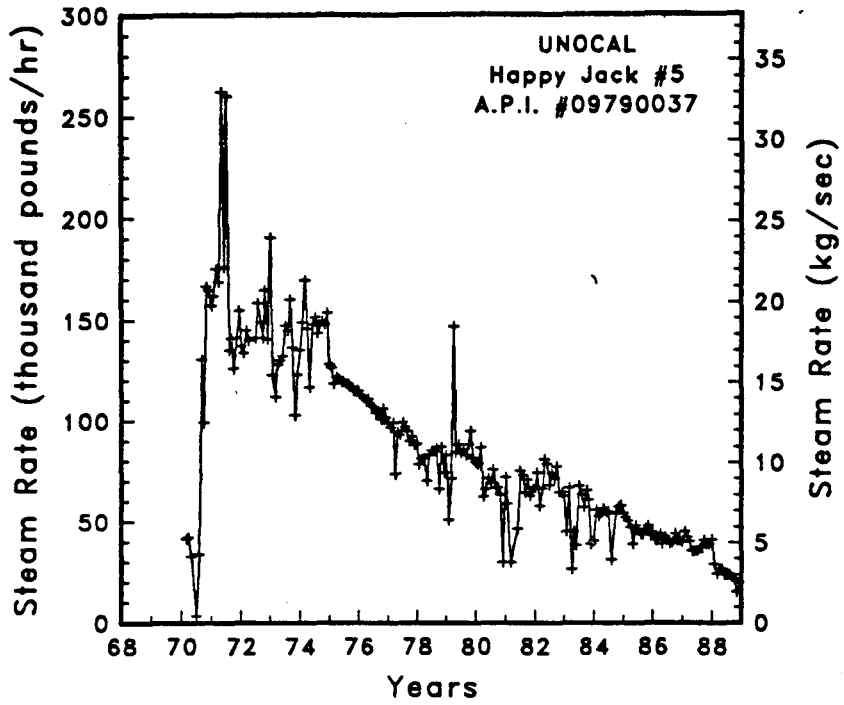


Figure A-108

Steam rate and cumulative mass flow for well Happy Jack #5

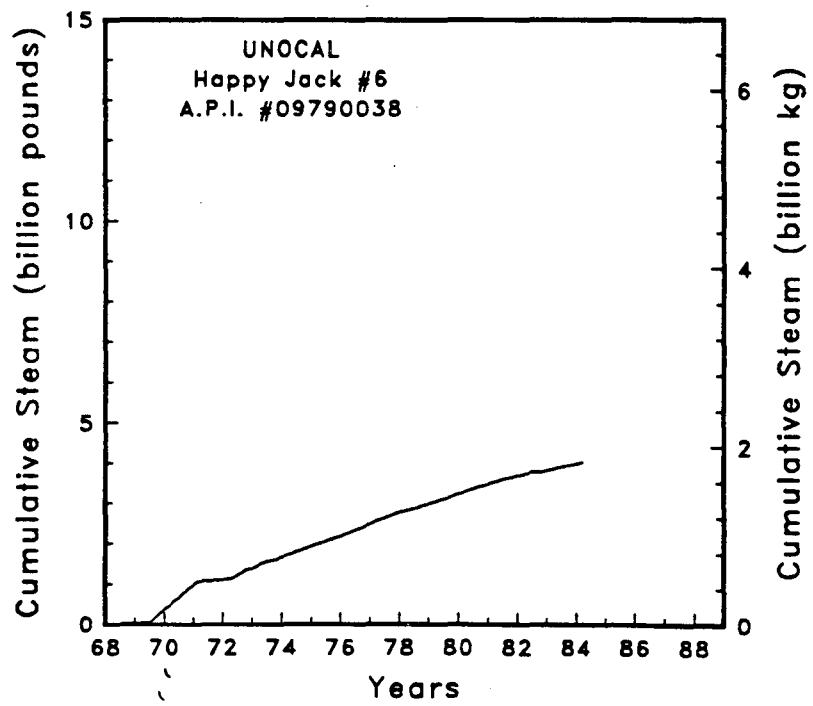
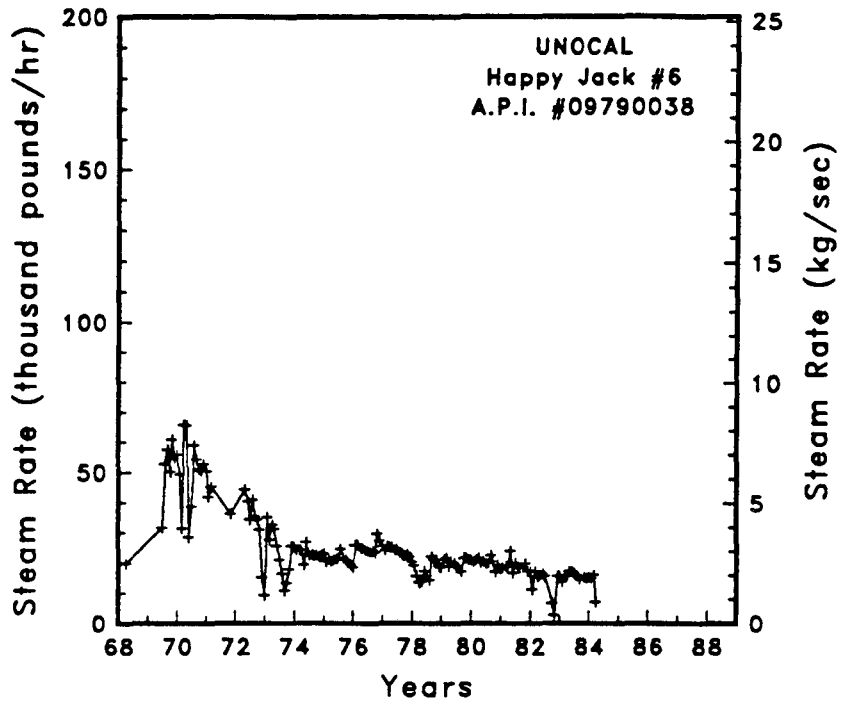


Figure A-109 Steam rate and cumulative mass flow for well Happy Jack #6

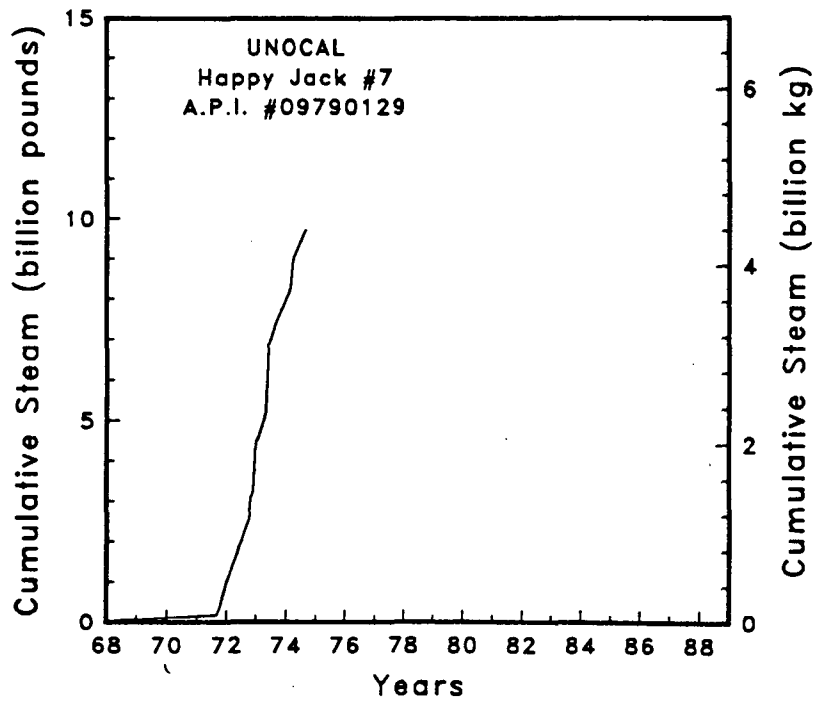
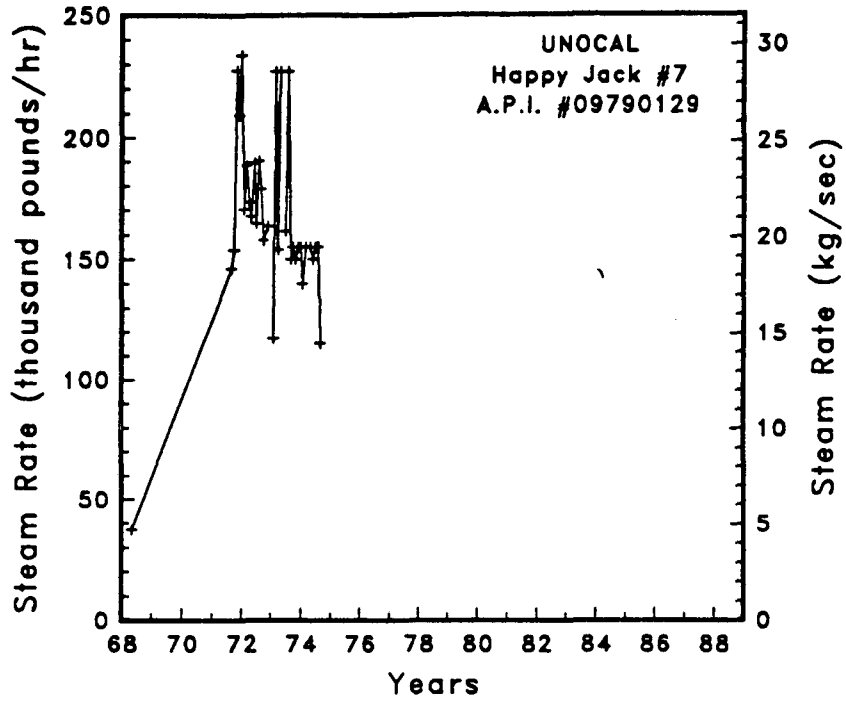


Figure A-110 Steam rate and cumulative mass flow for well Happy Jack #7

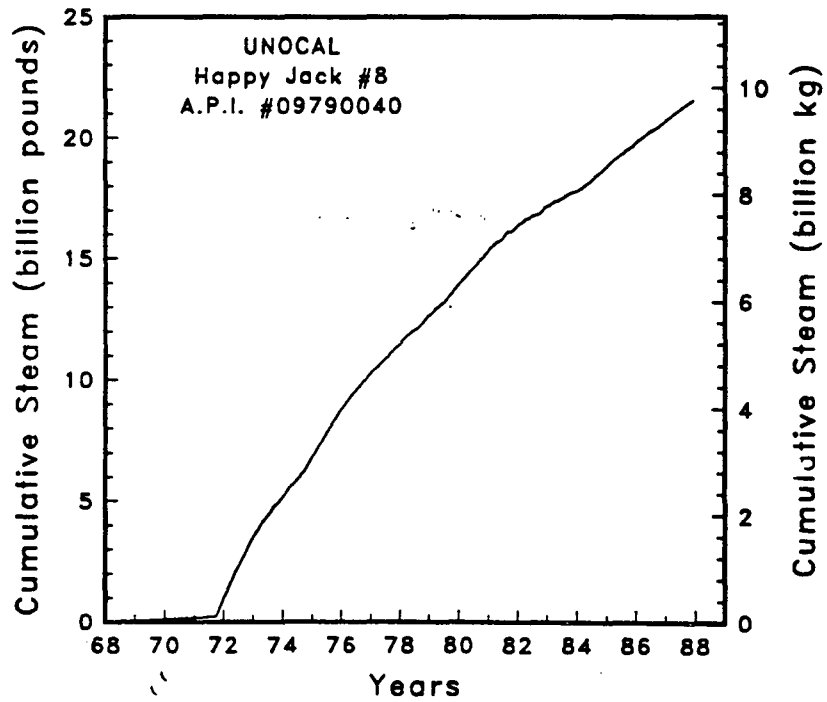
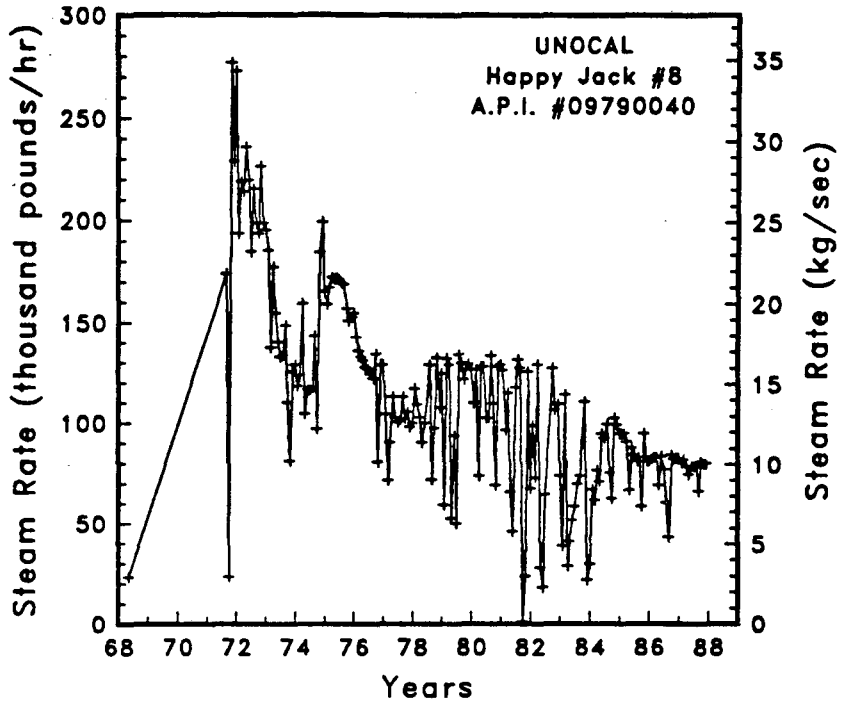


Figure A-111 Steam rate and cumulative mass flow for well Happy Jack #8

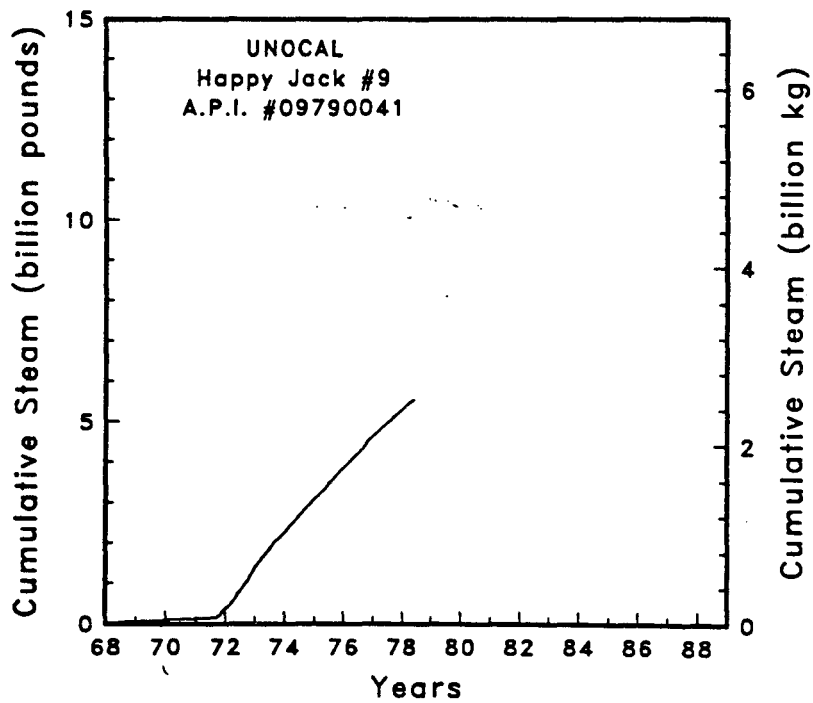
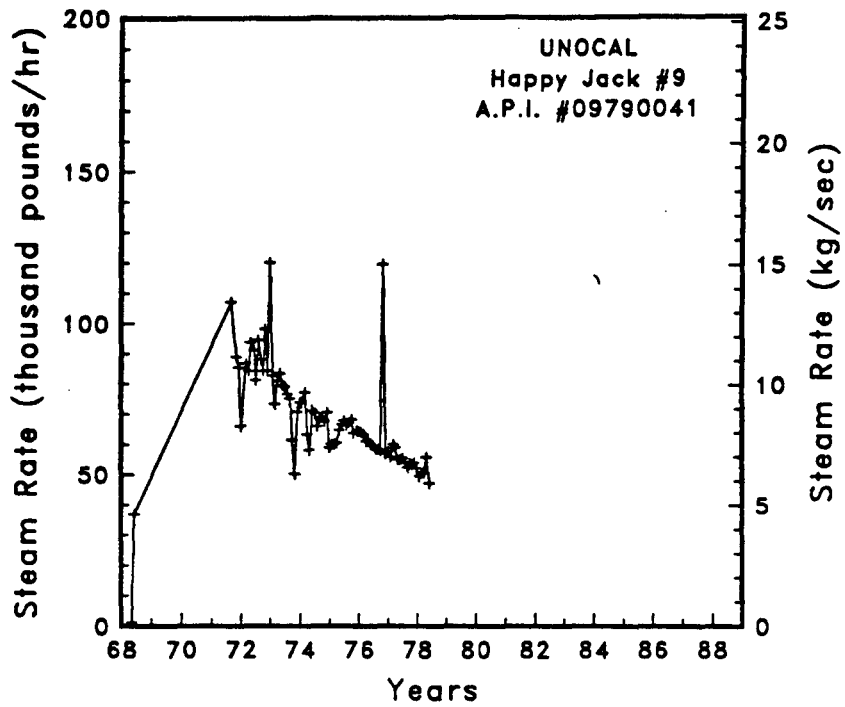


Figure A-112

Steam rate and cumulative mass flow for well Happy Jack #9

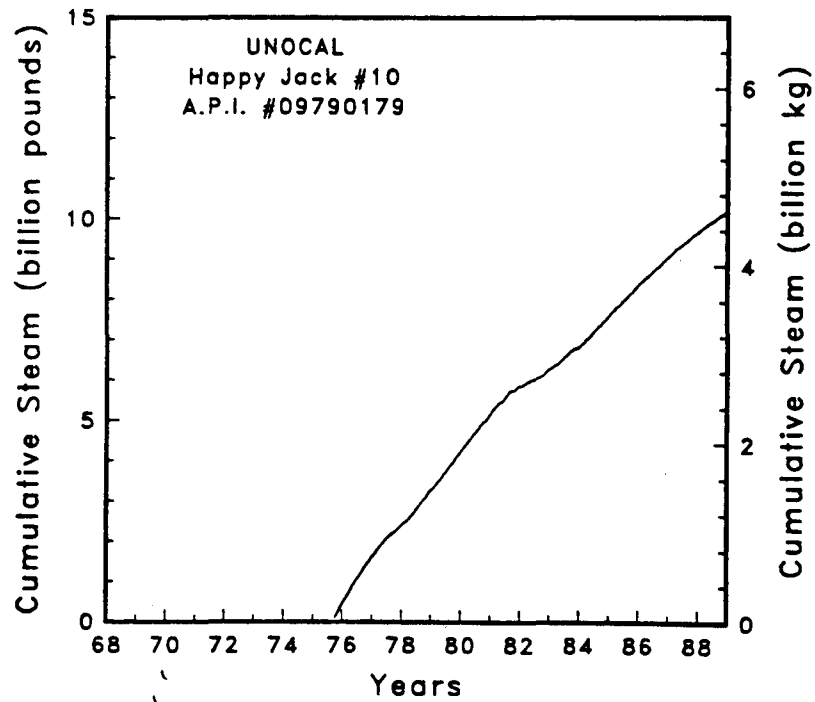
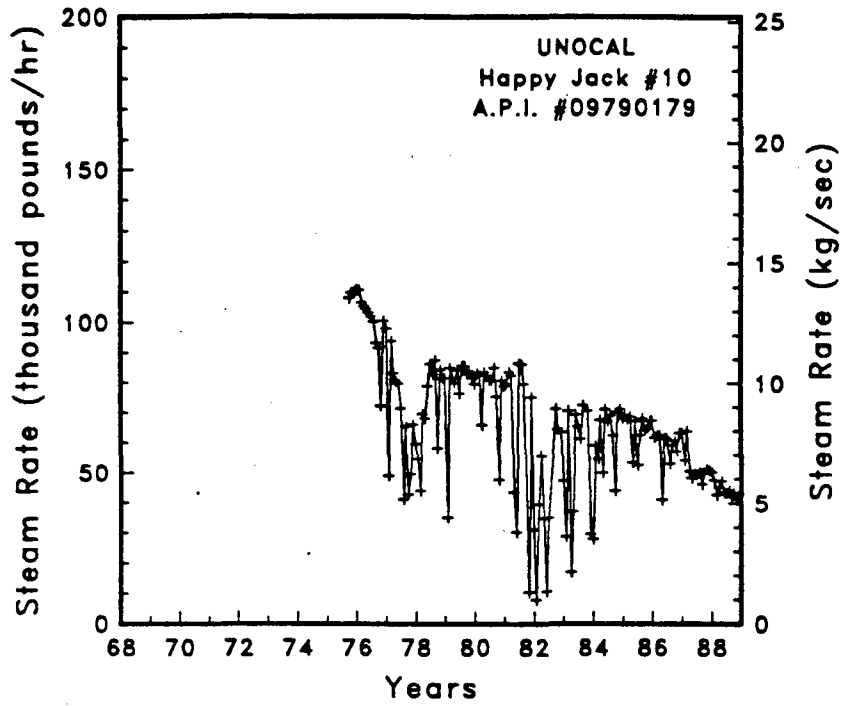


Figure A-113

Steam rate and cumulative mass flow for well Happy Jack #10

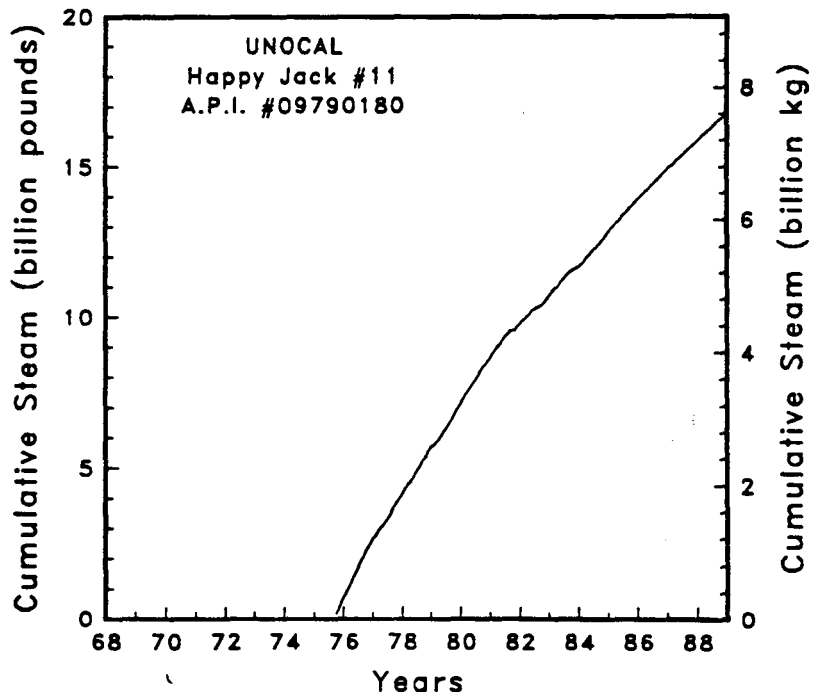
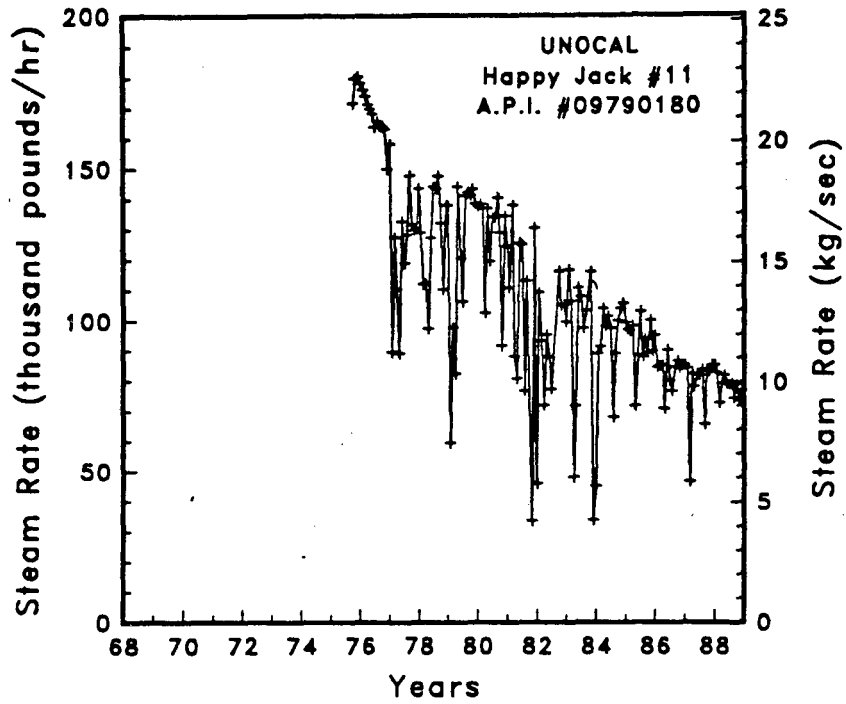


Figure A-114 Steam rate and cumulative mass flow for well Happy Jack #11

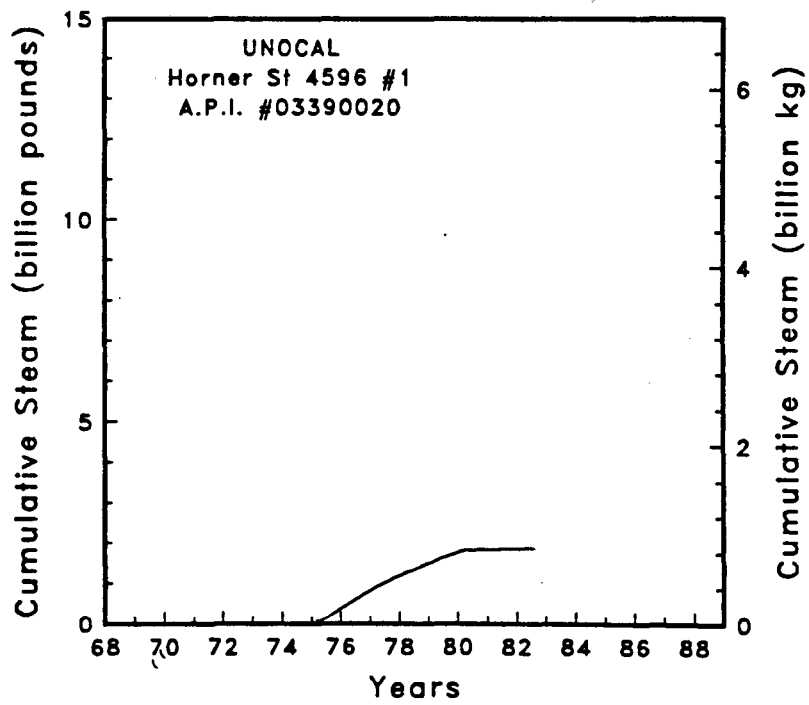
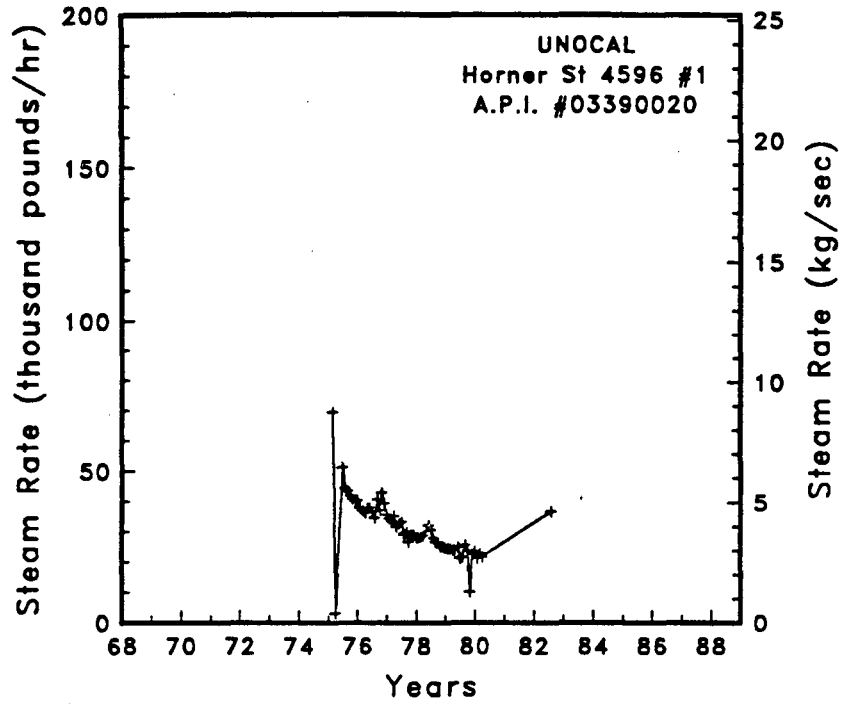


Figure A-115

Steam rate and cumulative mass flow for well Horner St 4596 #1



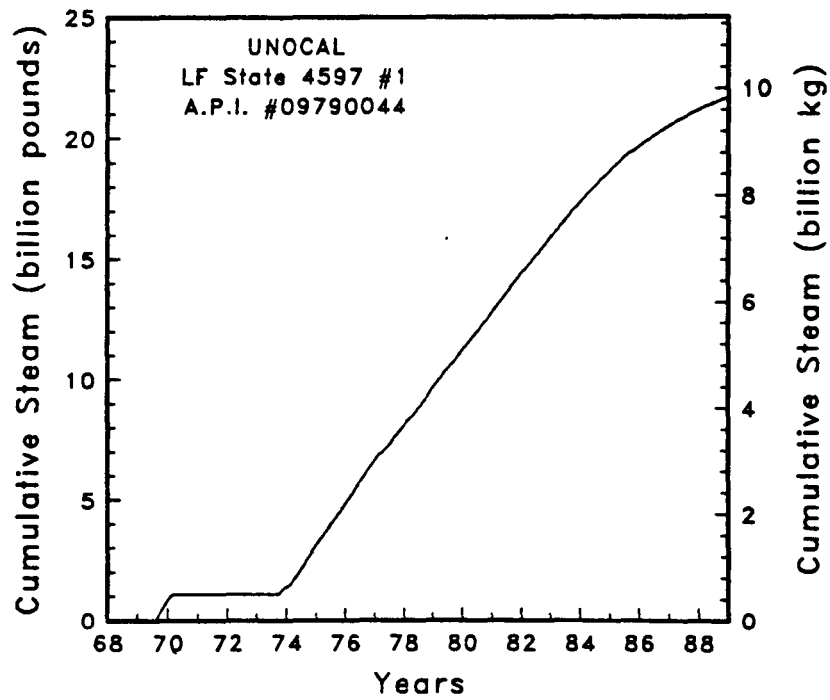
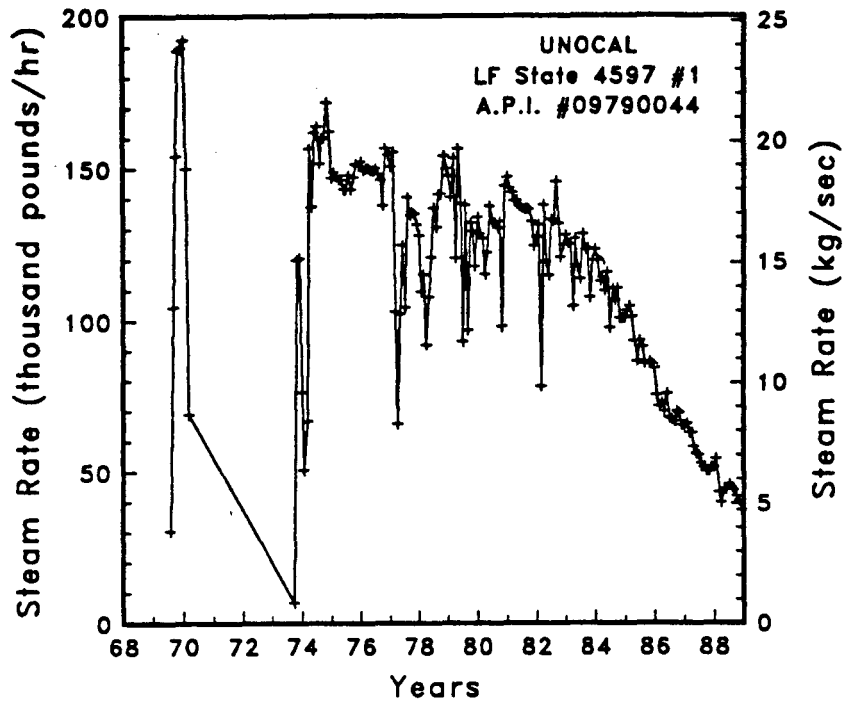


Figure A-116 Steam rate and cumulative mass flow for well LF State 4597 #1

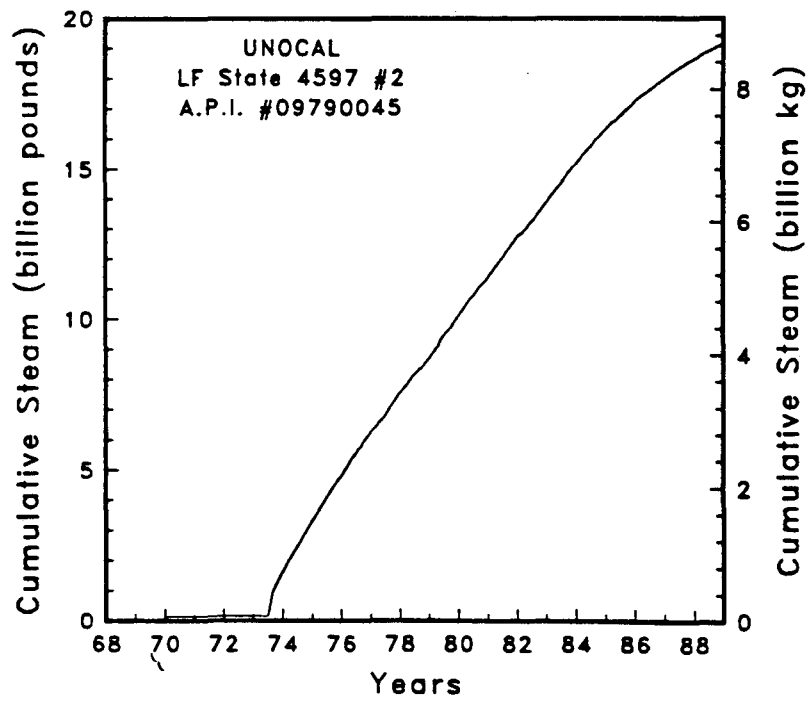
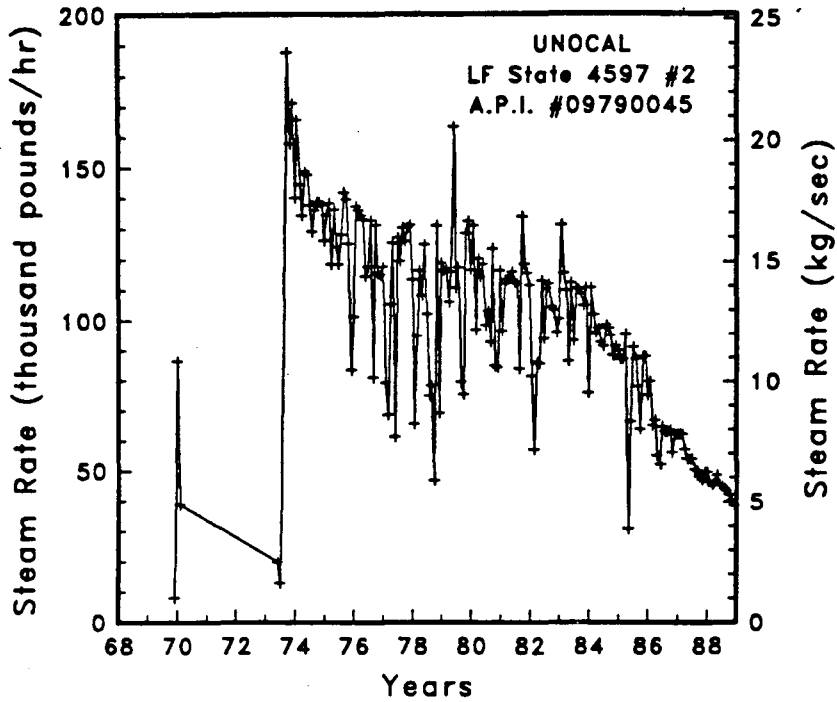


Figure A-117

Steam rate and cumulative mass flow for well LF State 4597 #2

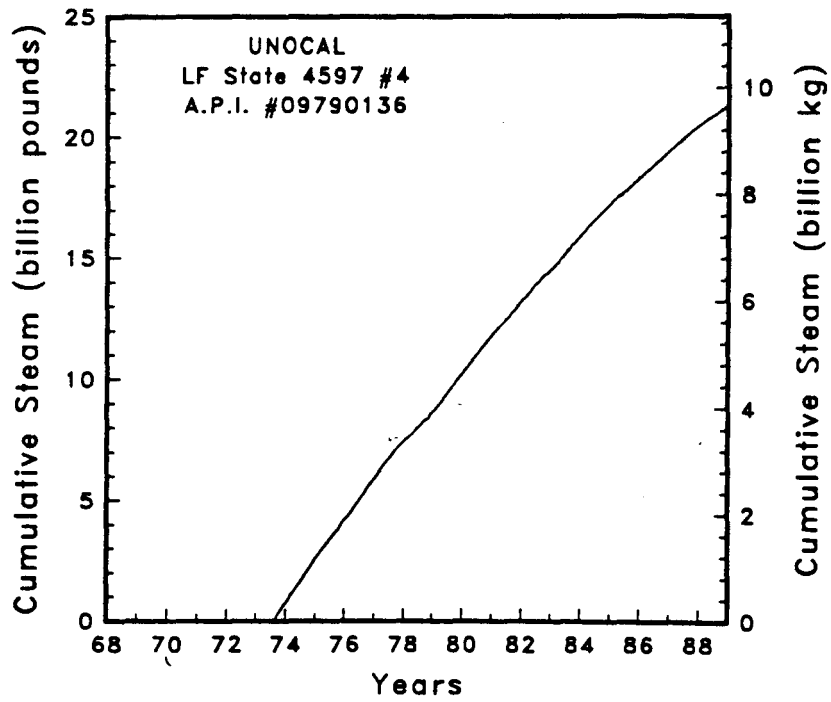
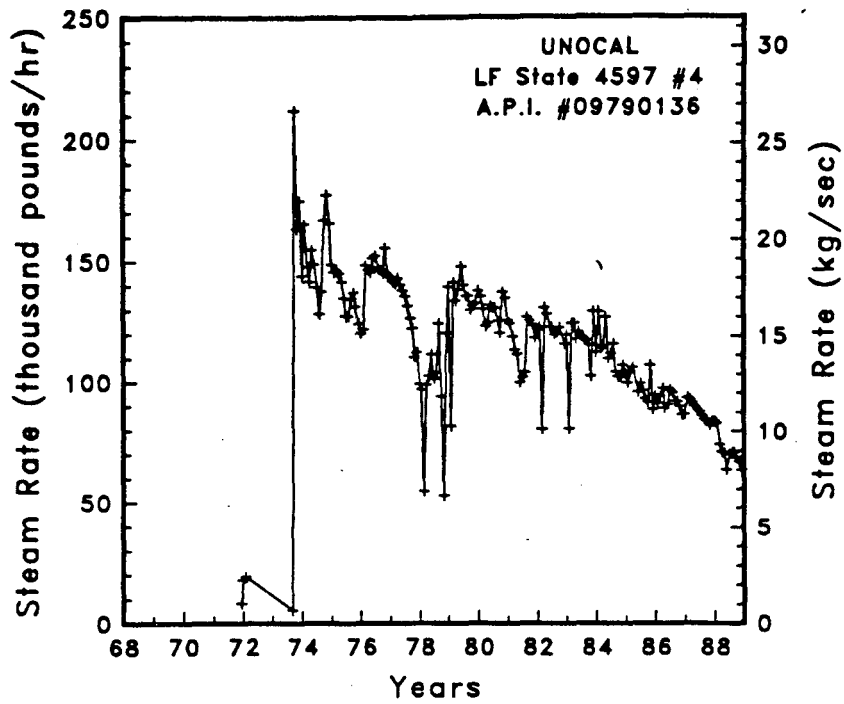


Figure A-118

Steam rate and cumulative mass flow for well LF State 4597 #4

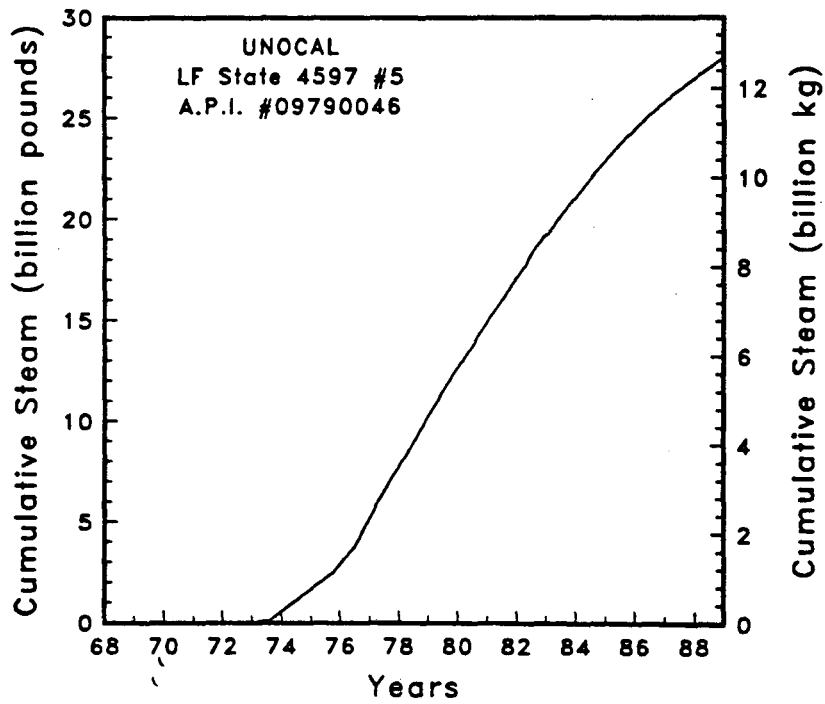
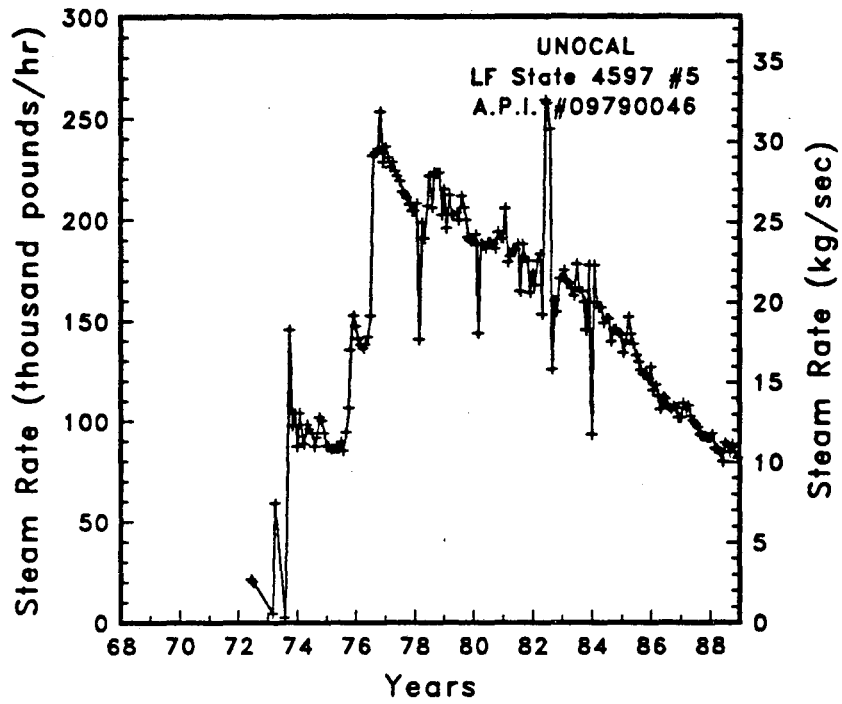


Figure A-119

Steam rate and cumulative mass flow for well LF State 4597 #5

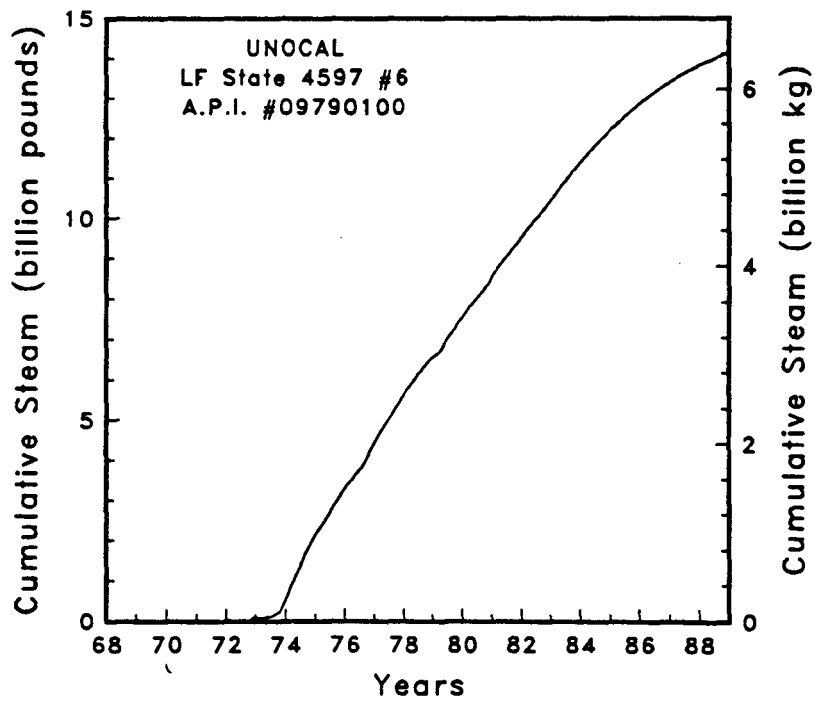
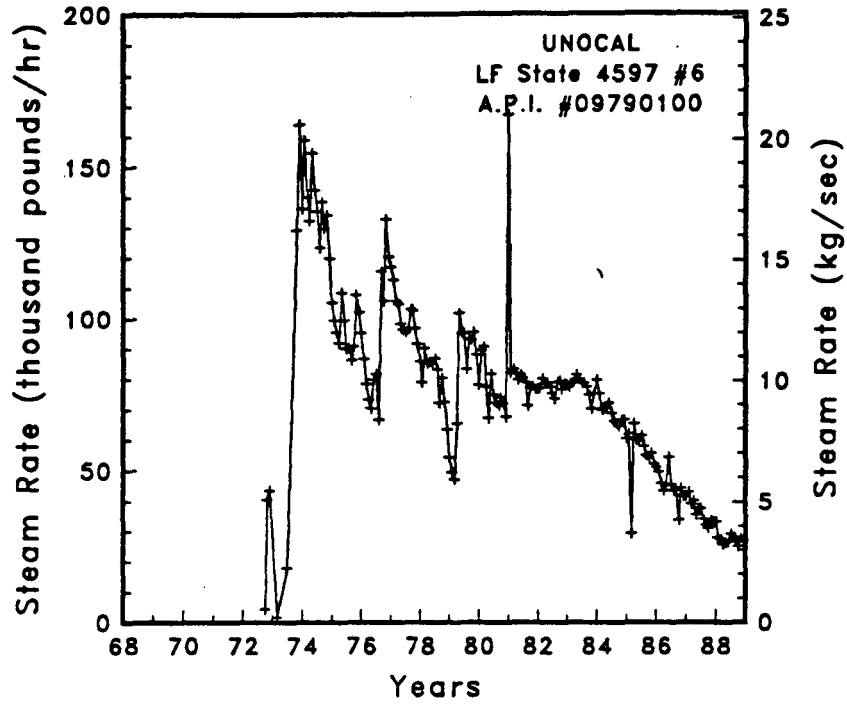


Figure A-120

Steam rate and cumulative mass flow for well LF State 4597 #6

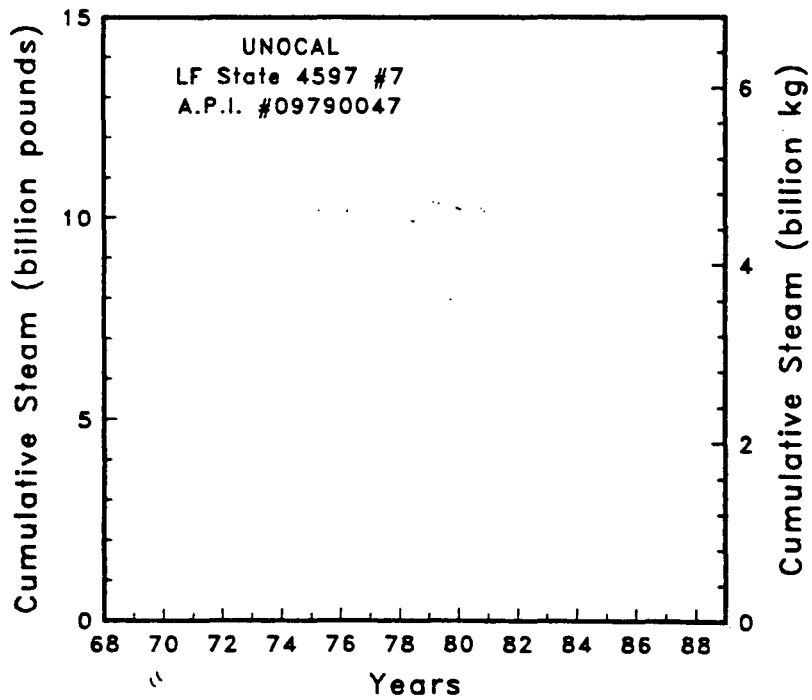
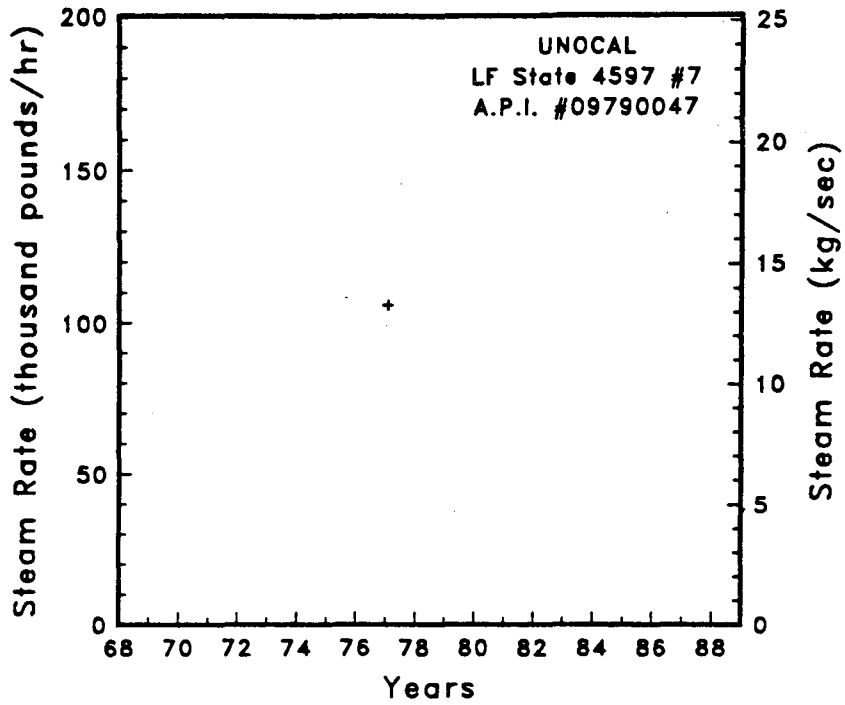


Figure A-121

Steam rate and cumulative mass flow for well LF State 4597 #7

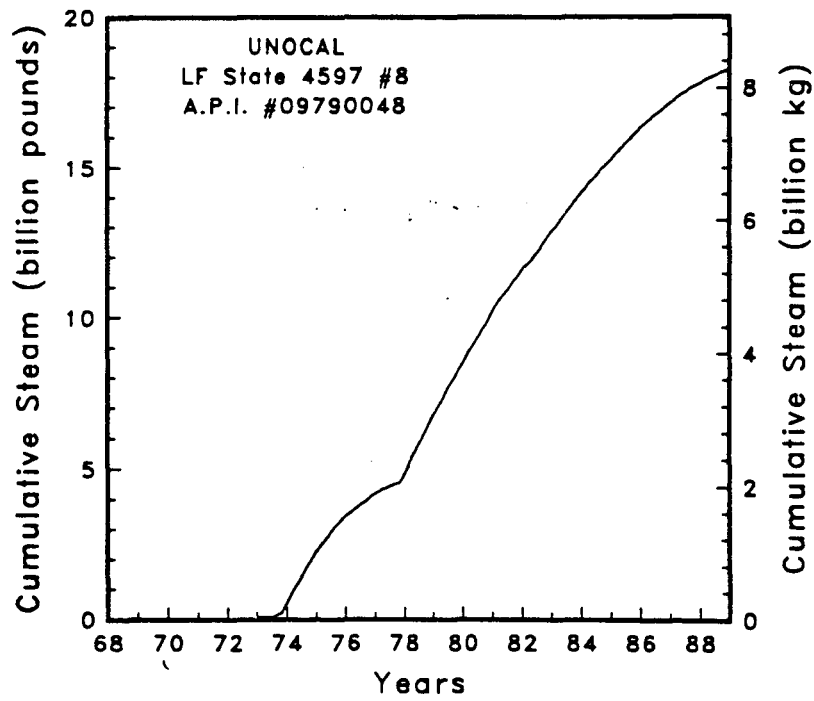
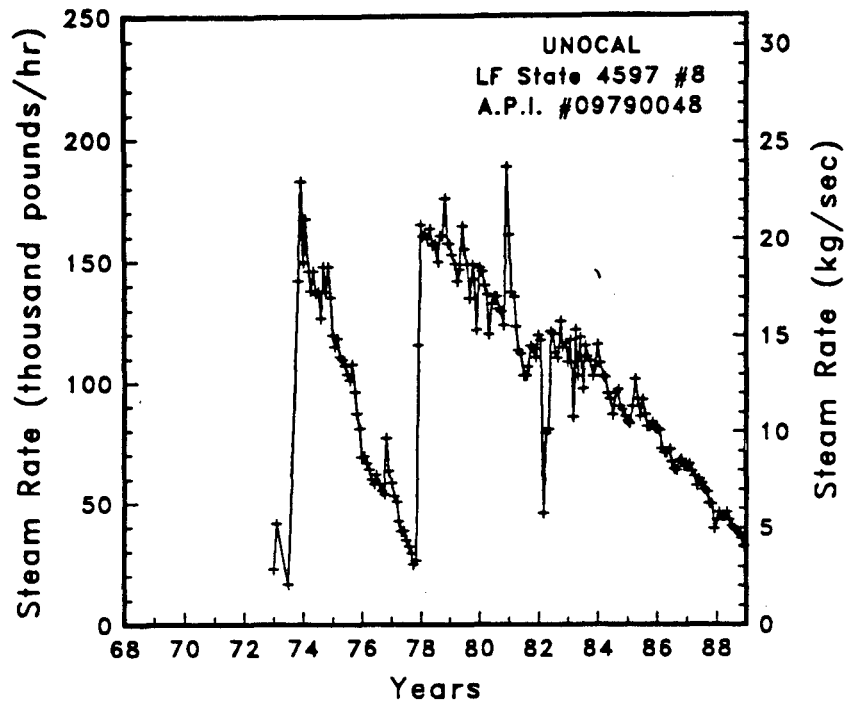


Figure A-122

Steam rate and cumulative mass flow for well LF State 4597 #8

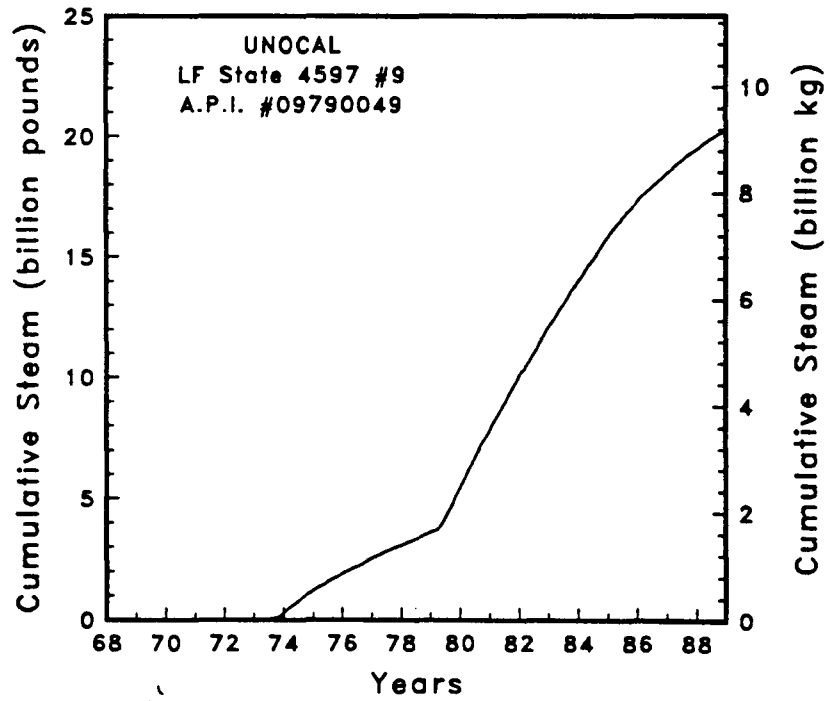
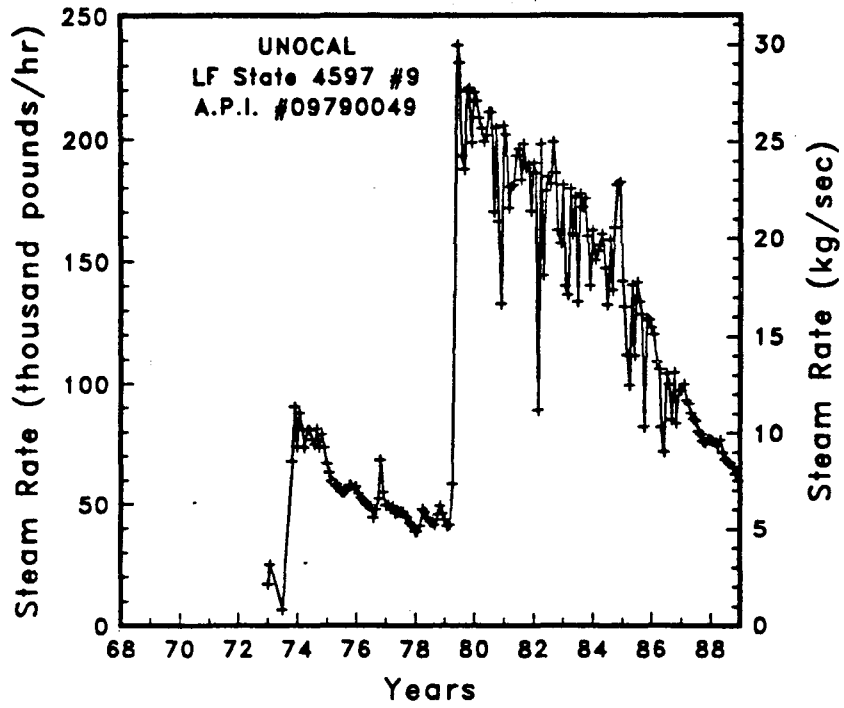


Figure A-123

Steam rate and cumulative mass flow for well LF State 4597 #9



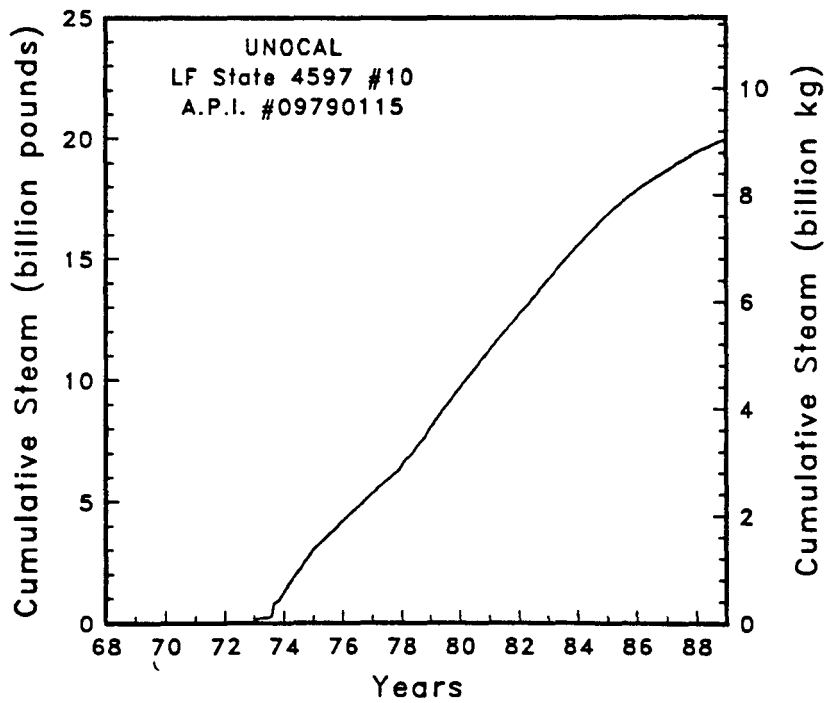
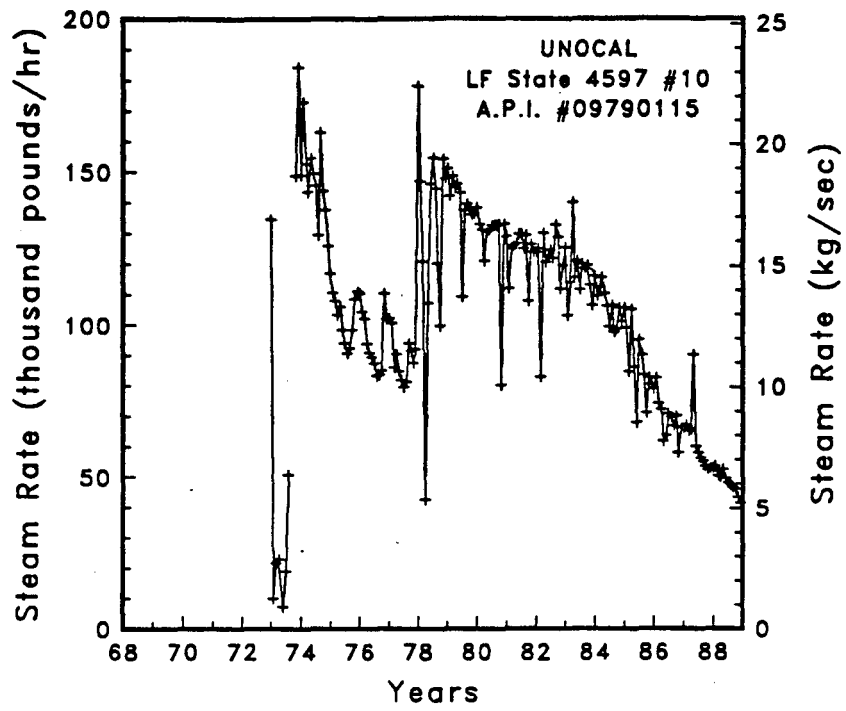


Figure A-124

Steam rate and cumulative mass flow for well LF State 4597 #10

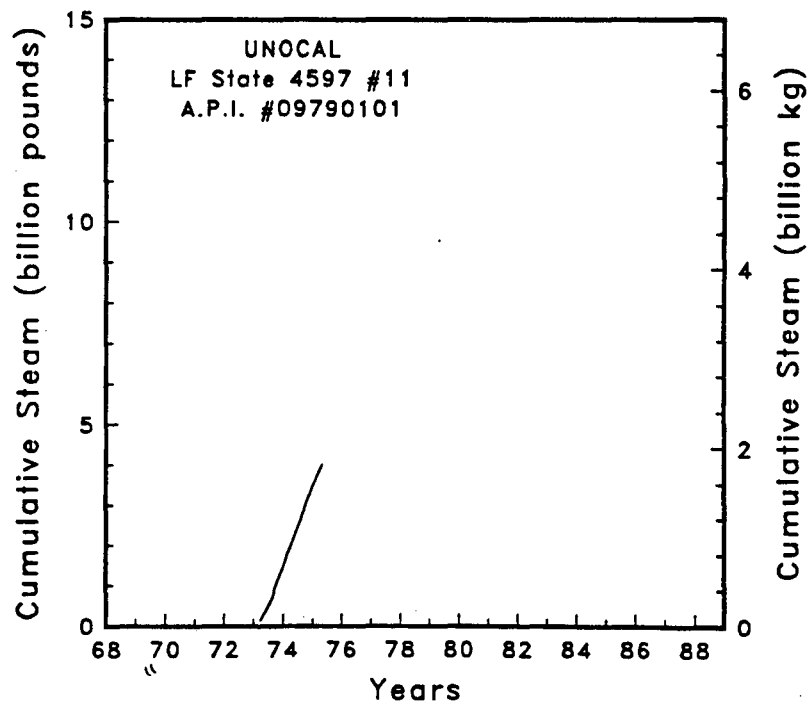
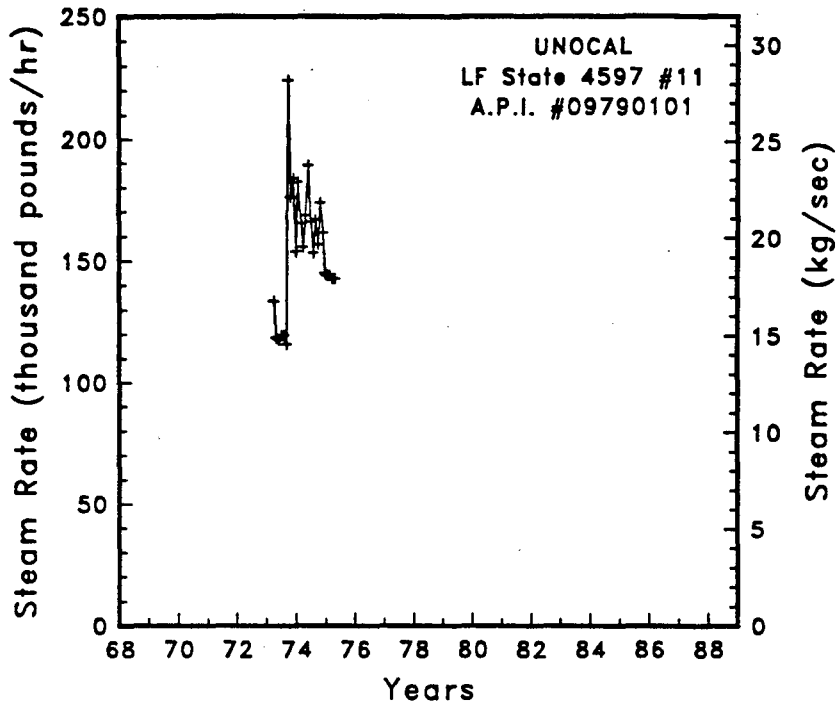


Figure A-125

Steam rate and cumulative mass flow for well LF State 4597 #11

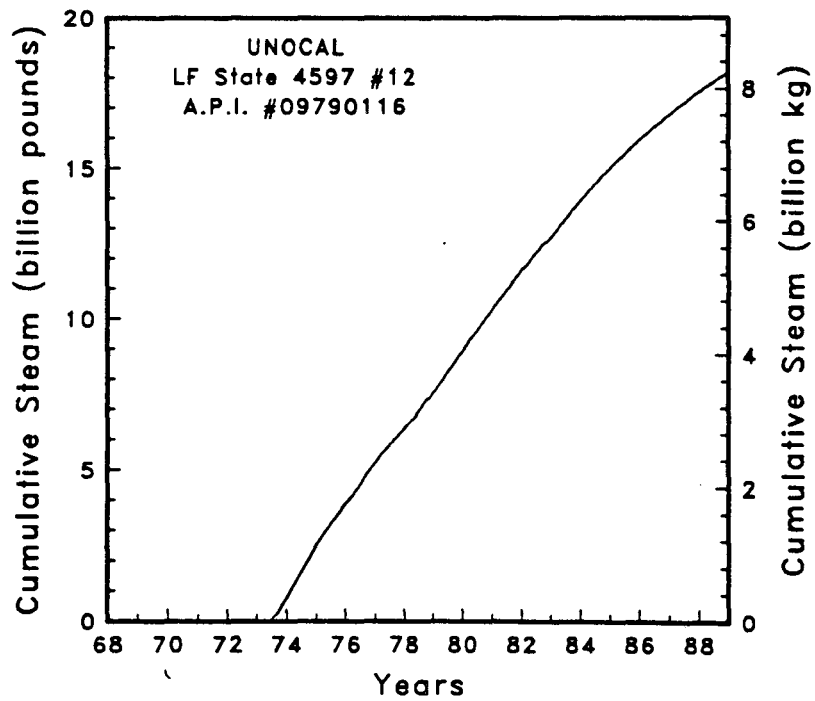
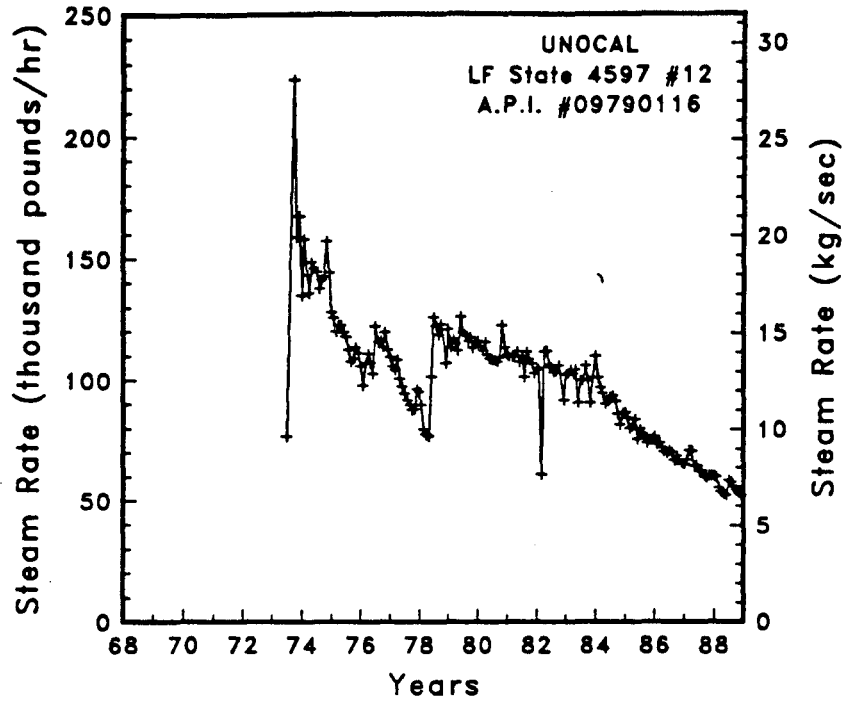


Figure A-126

Steam rate and cumulative mass flow for well LF State 4597 #12

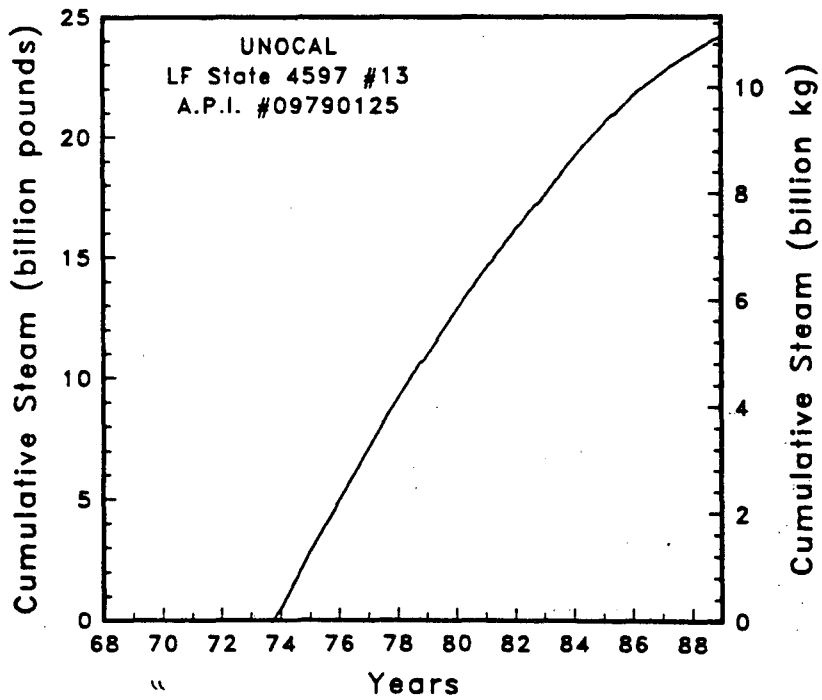
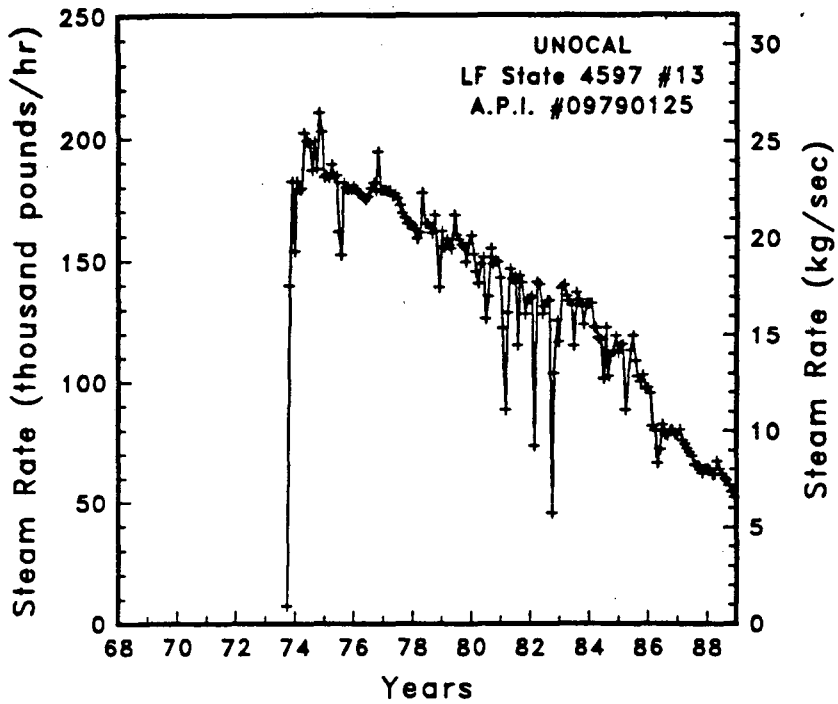


Figure A-127

Steam rate and cumulative mass flow for well LF State 4597 #13

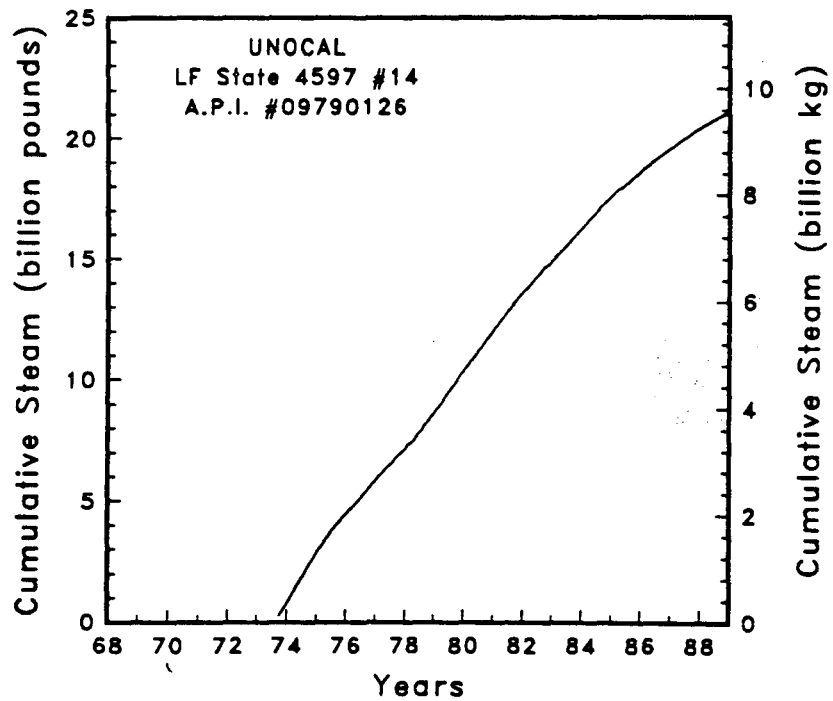
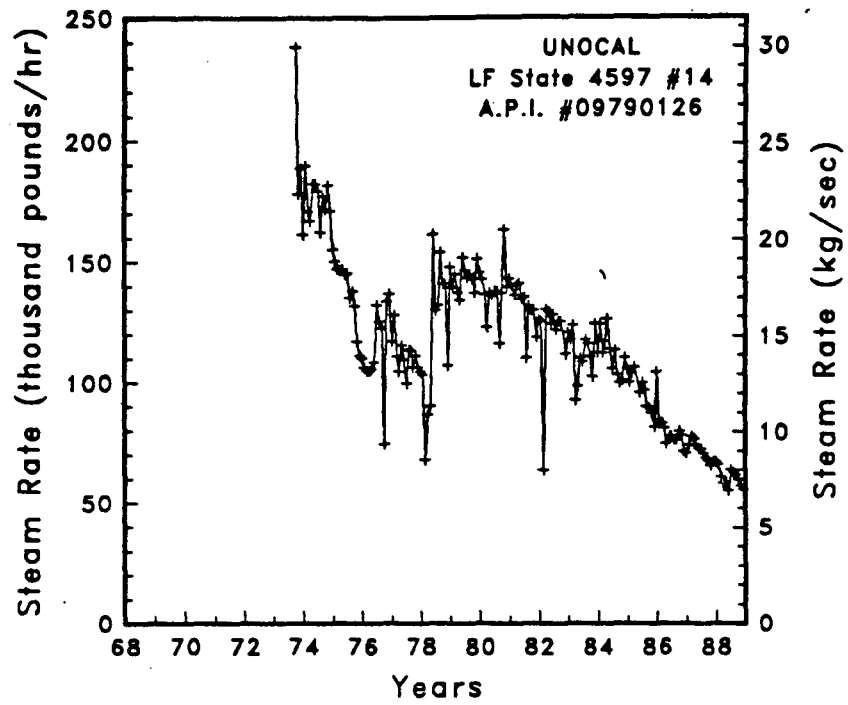


Figure A-128

Steam rate and cumulative mass flow for well LF State 4597 #14

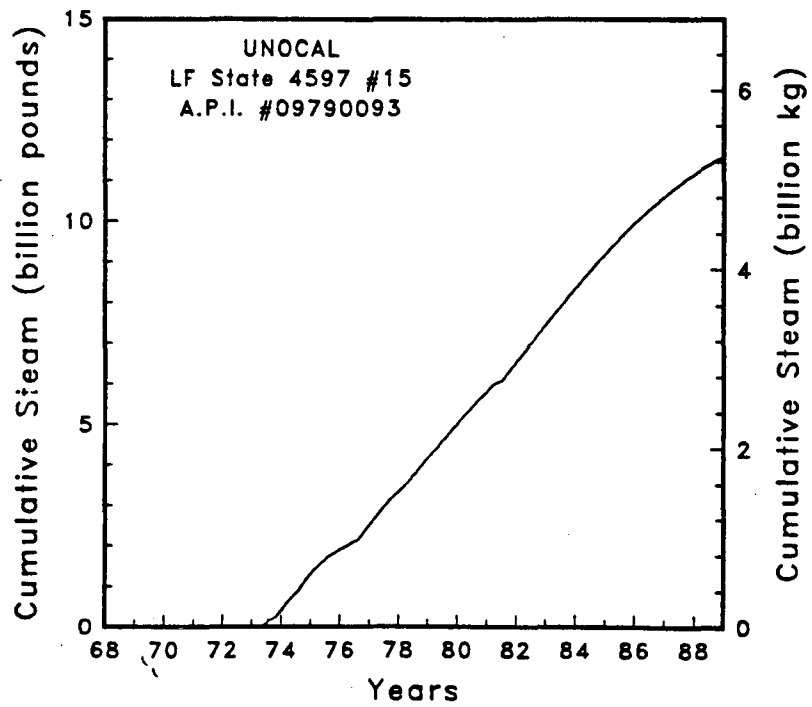
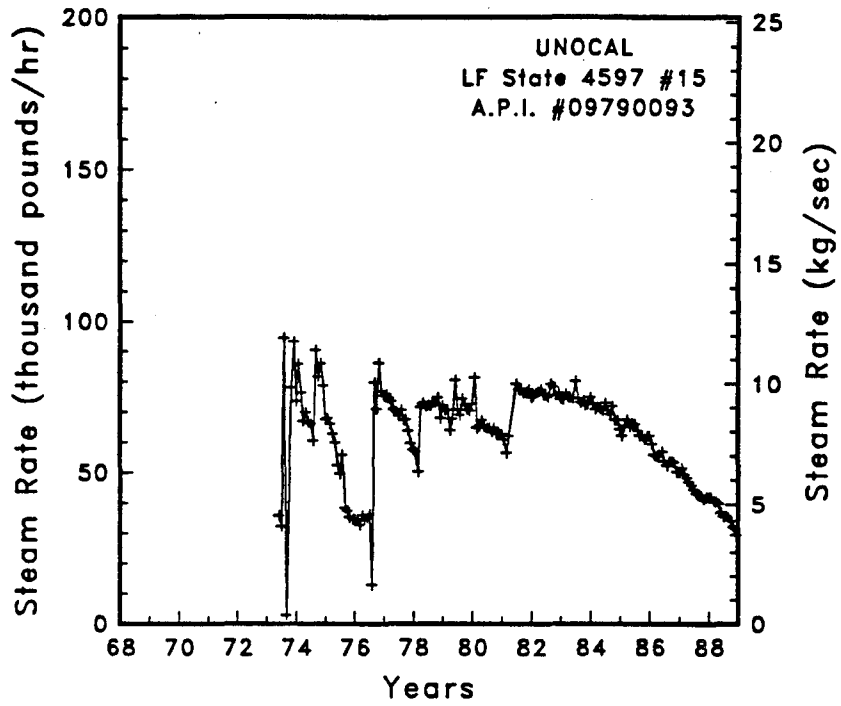


Figure A-129

Steam rate and cumulative mass flow for well LF State 4597 #15

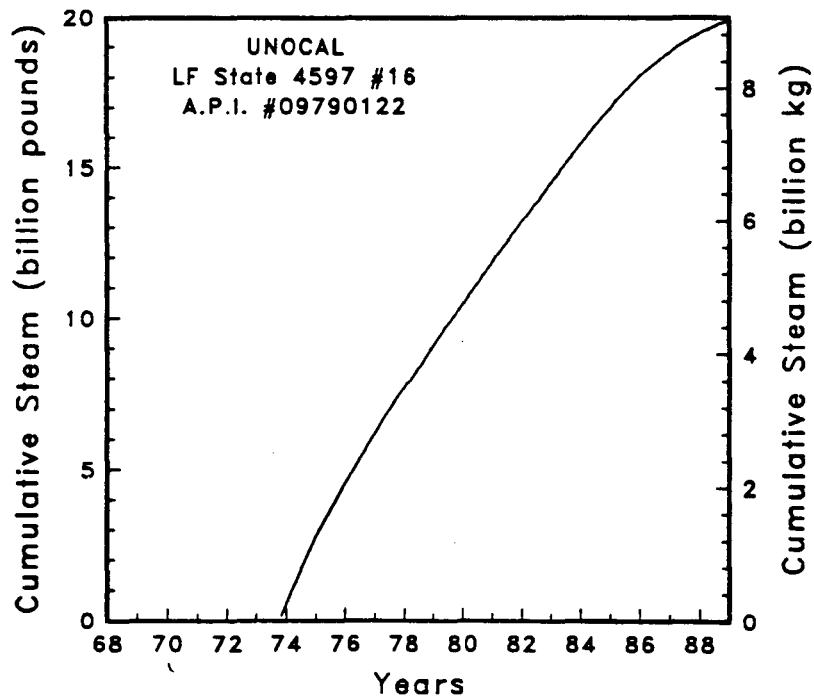
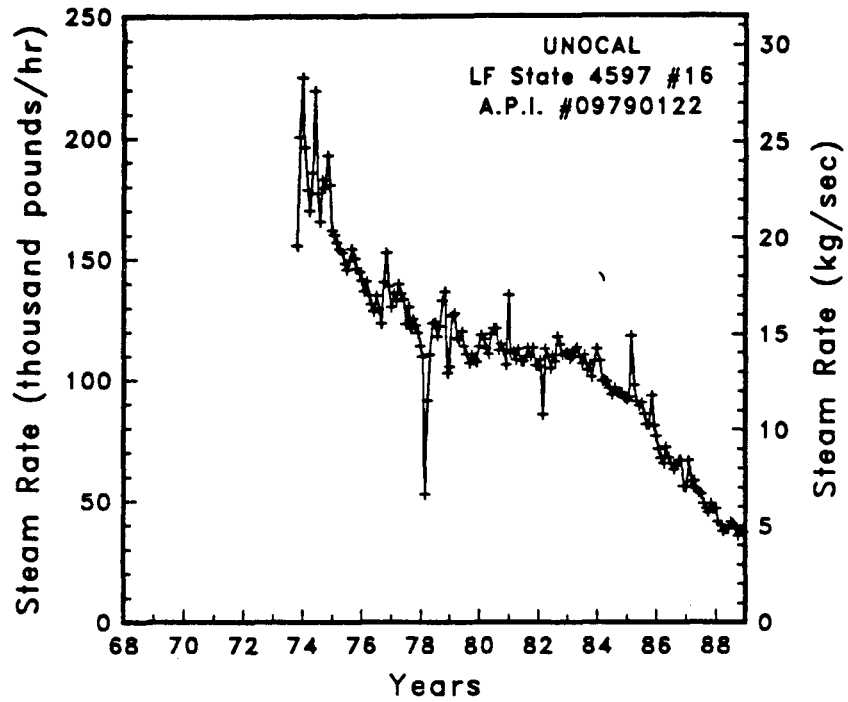


Figure A-130

Steam rate and cumulative mass flow for well LF State 4597 #16

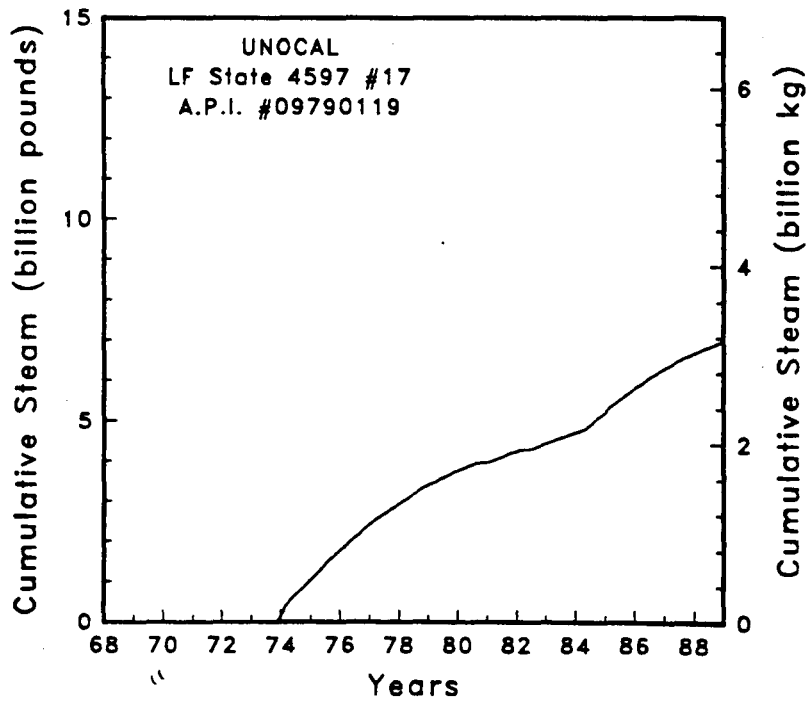
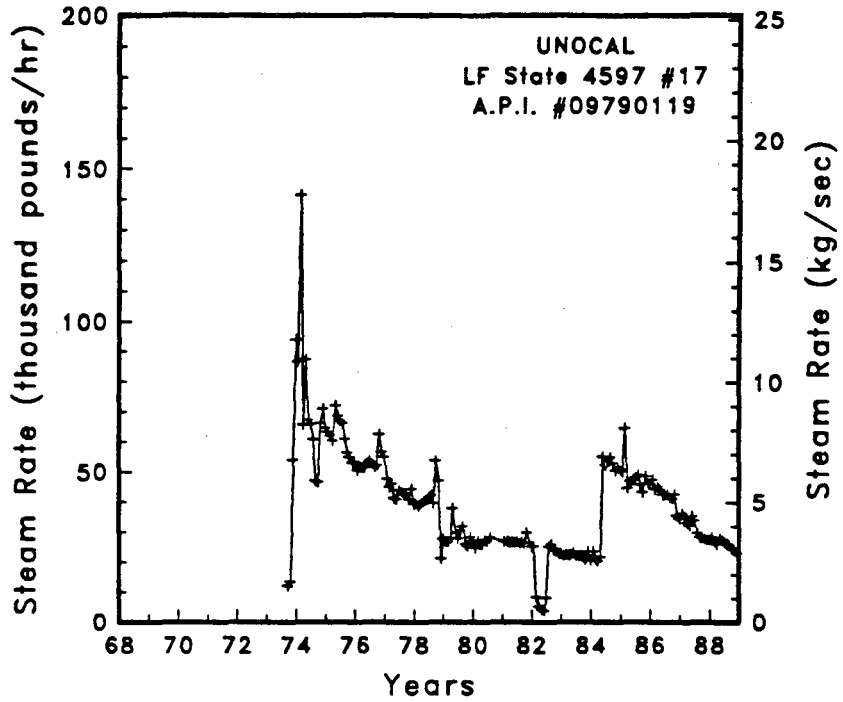


Figure A-131

Steam rate and cumulative mass flow for well LF State 4597 #17



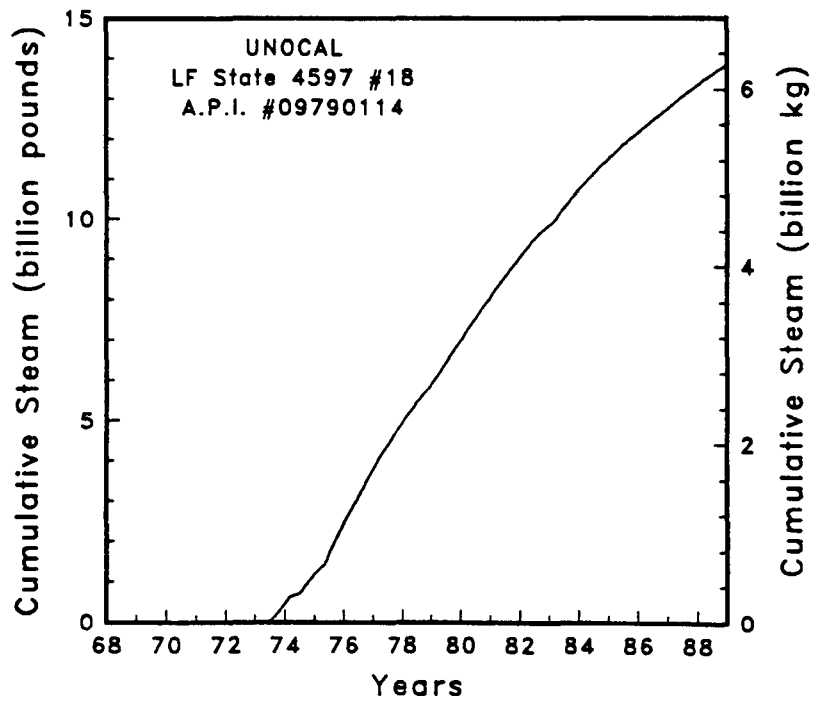
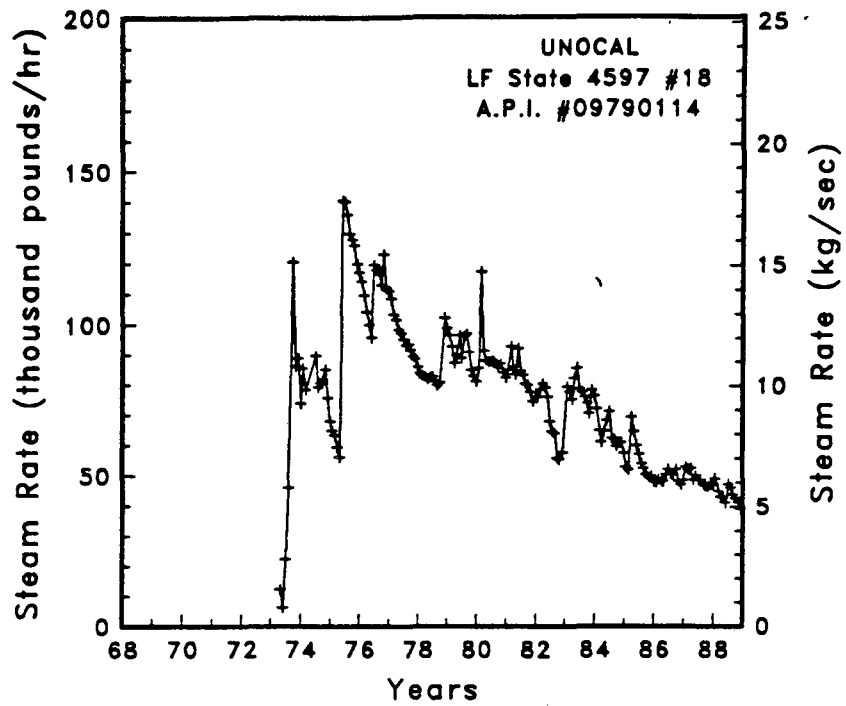


Figure A-132

Steam rate and cumulative mass flow for well LF State 4597 #18

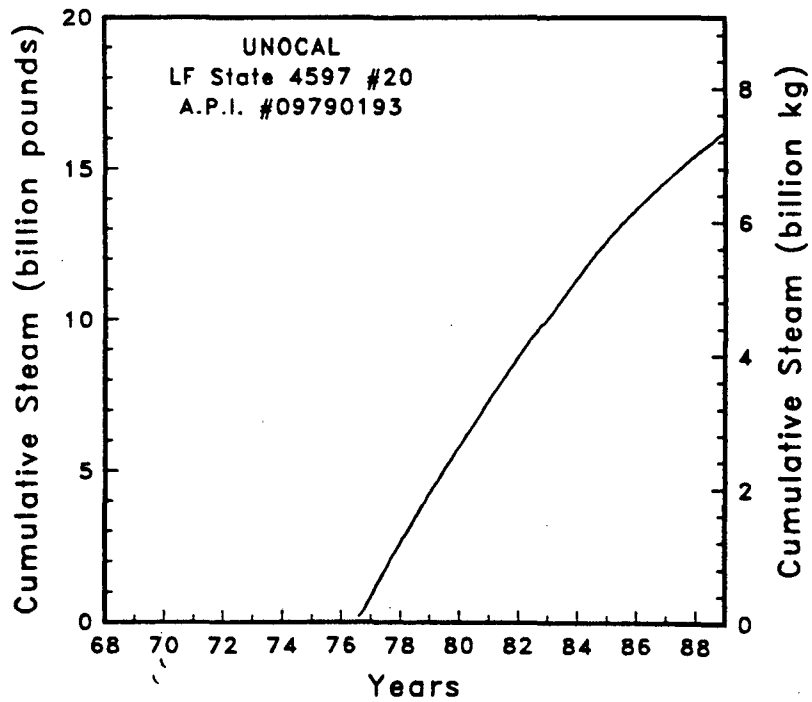
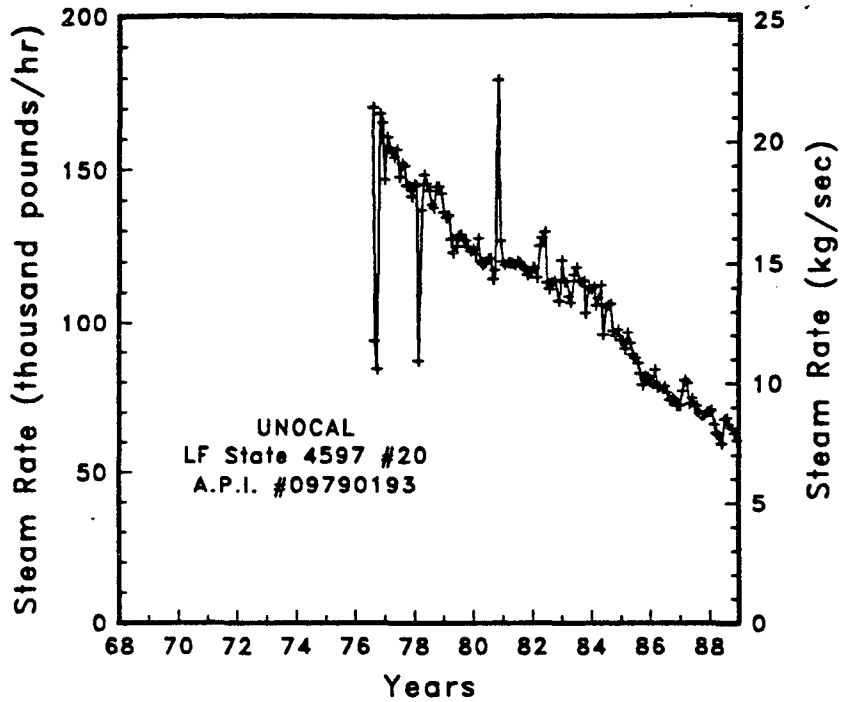


Figure A-133

Steam rate and cumulative mass flow for well LF State 4597 #20

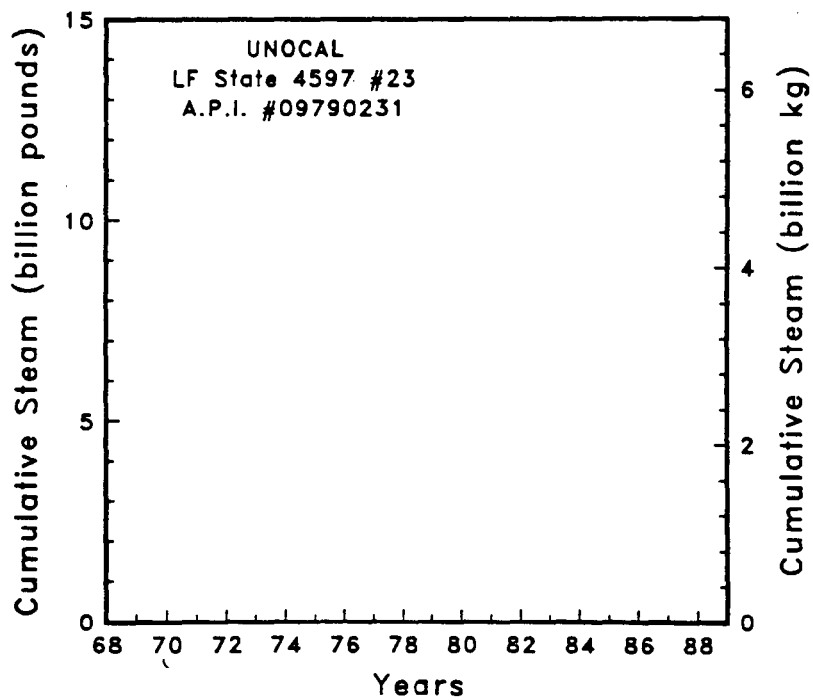
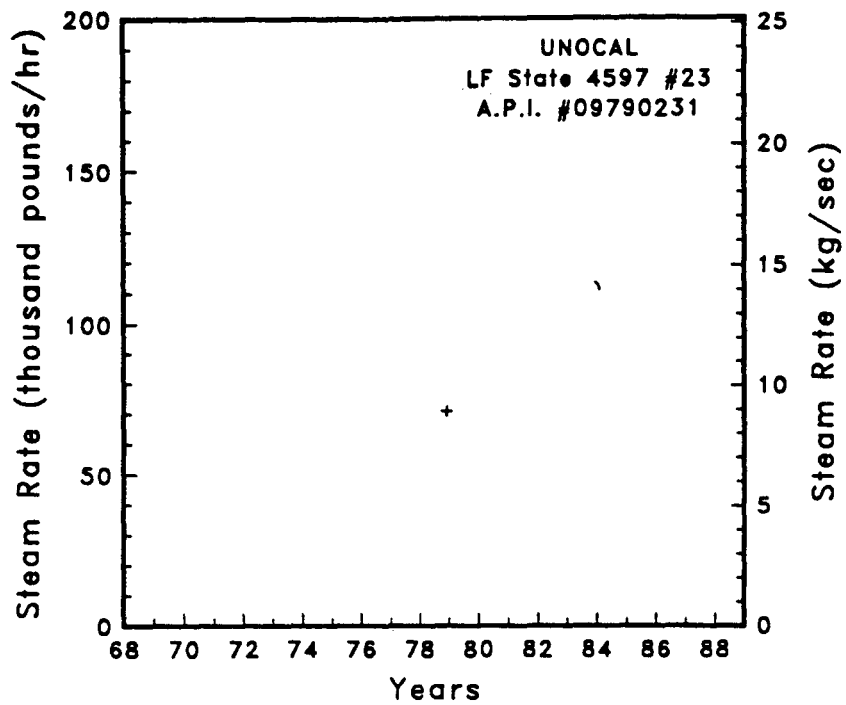


Figure A-134

Steam rate and cumulative mass flow for well LF State 4597 #23

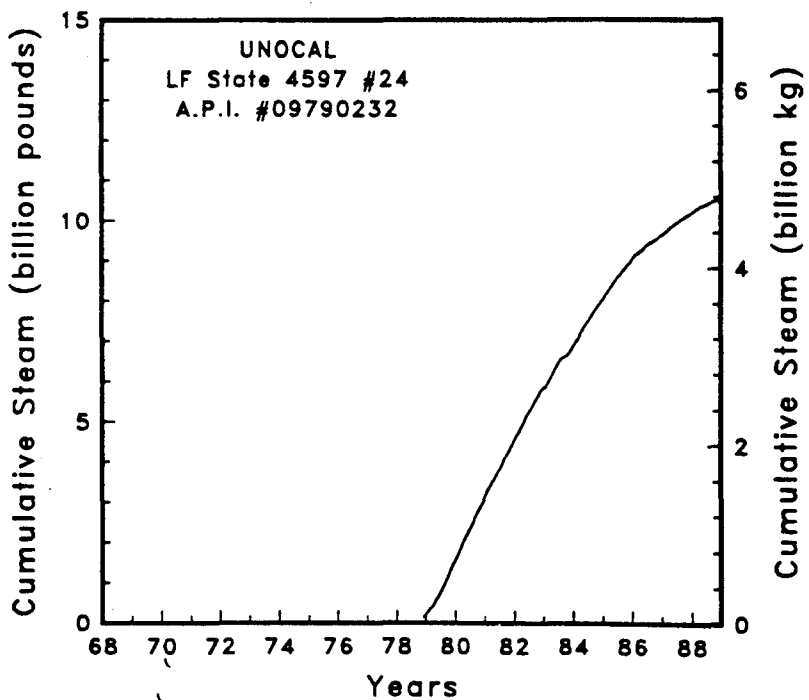
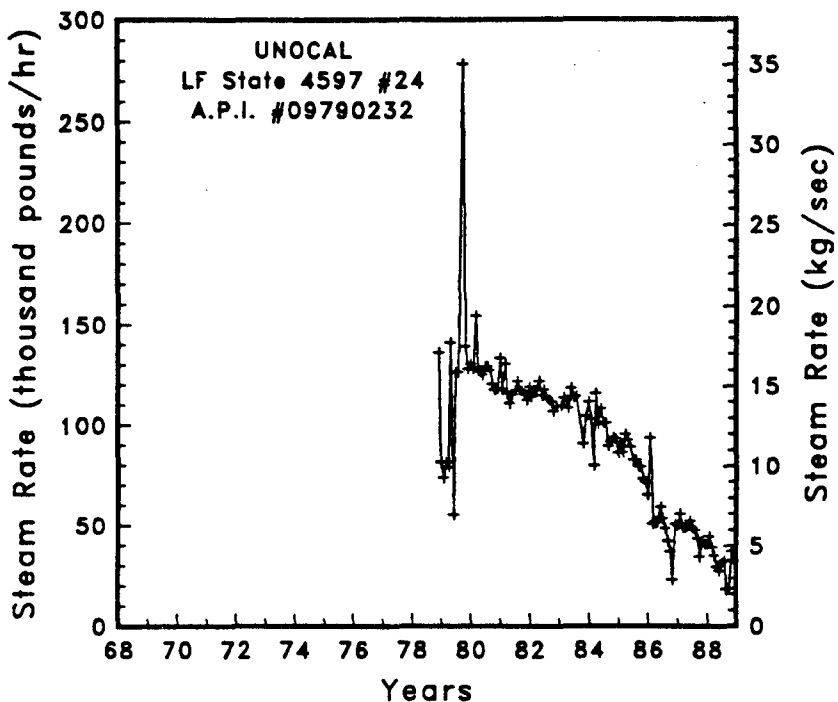


Figure A-135

Steam rate and cumulative mass flow for well LF State 4597 #24

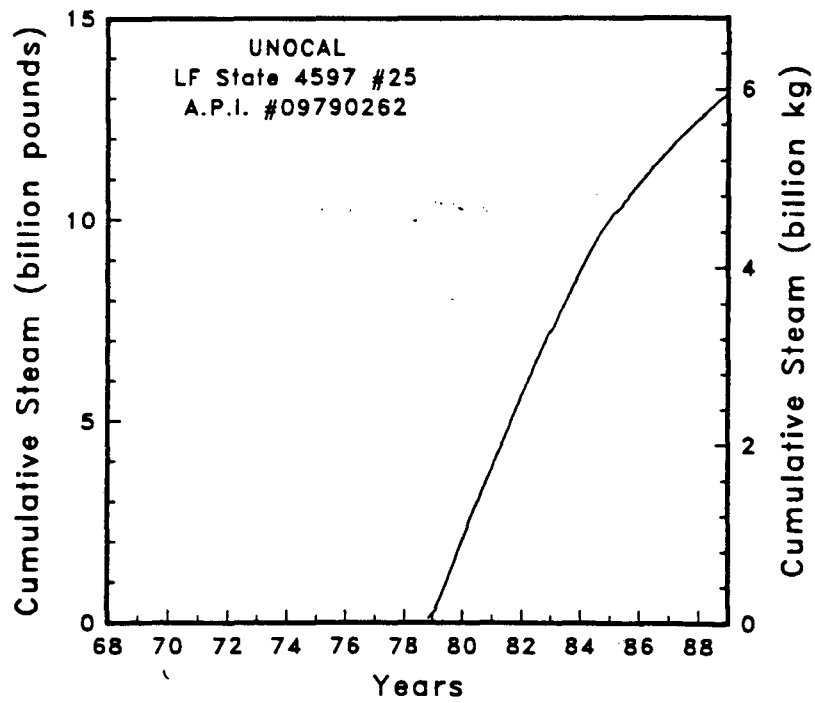
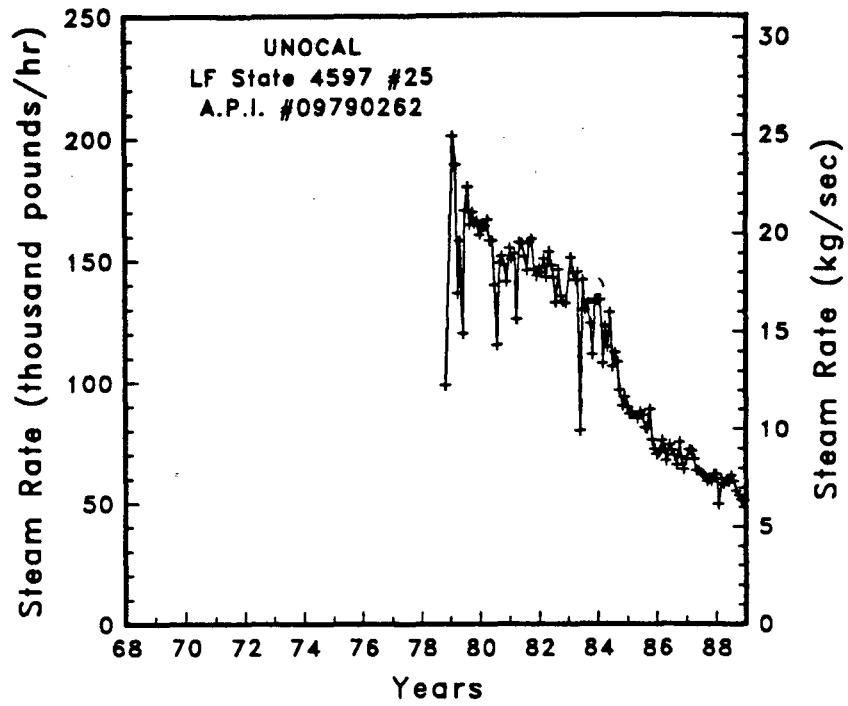


Figure A-136

Steam rate and cumulative mass flow for well LF State 4597 #25

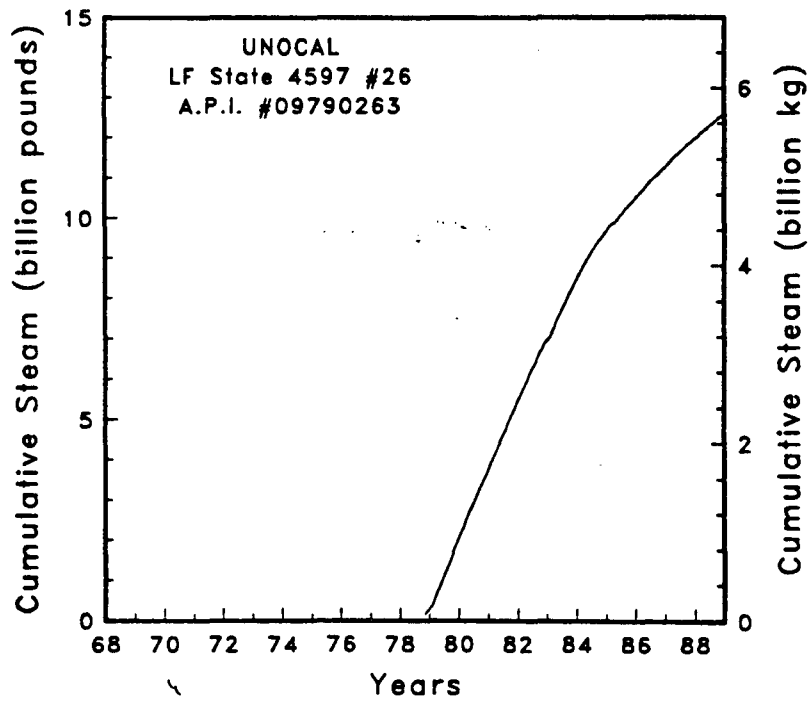
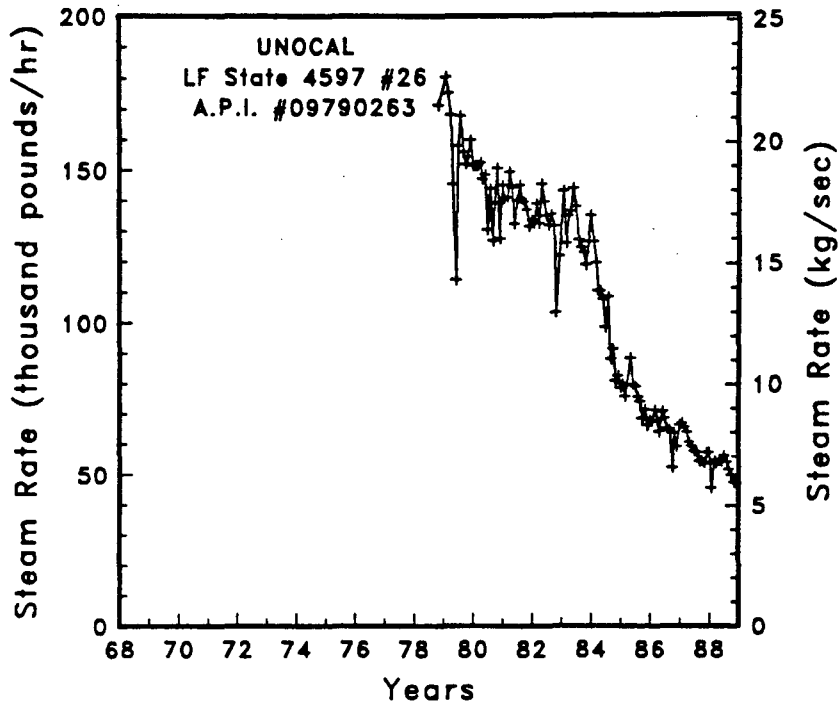


Figure A-137 Steam rate and cumulative mass flow for well LF State 4597 #26

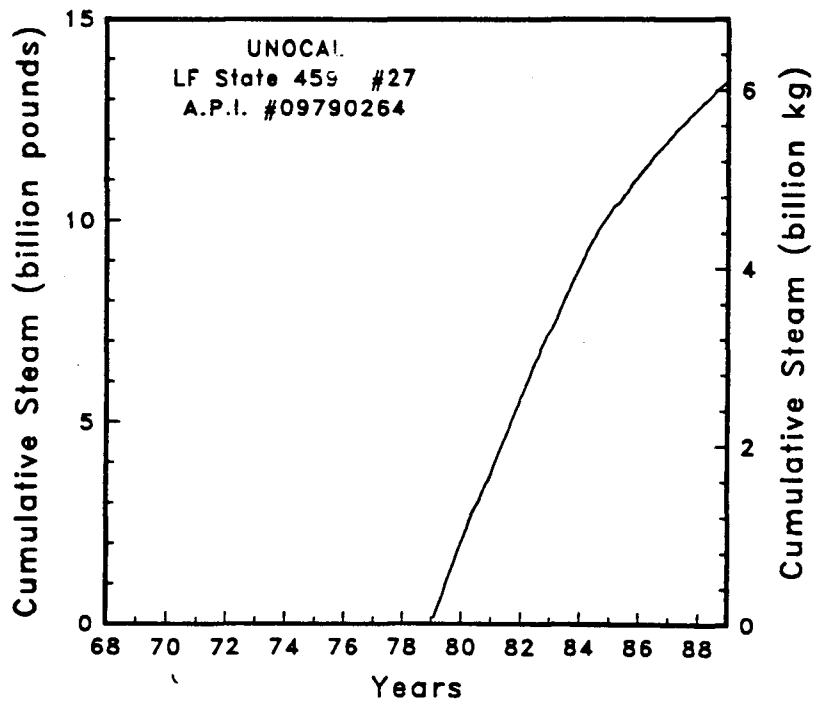
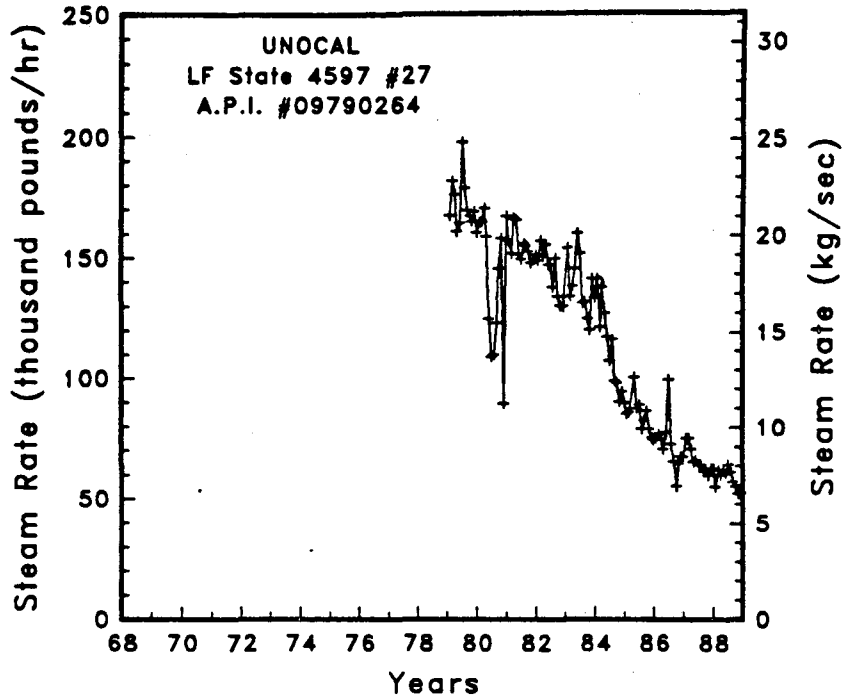


Figure A-138

Steam rate and cumulative mass flow for well LF State 4597 #27

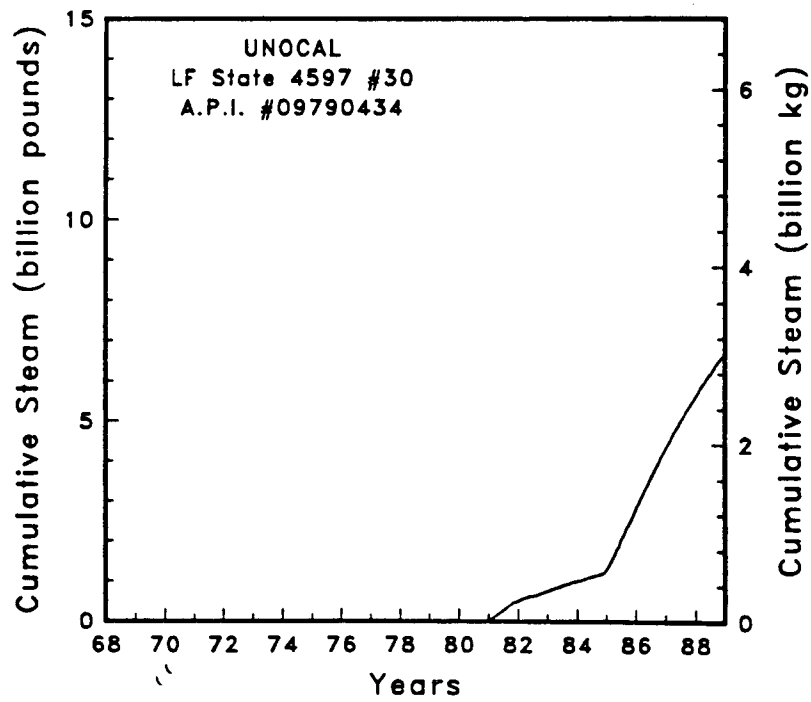
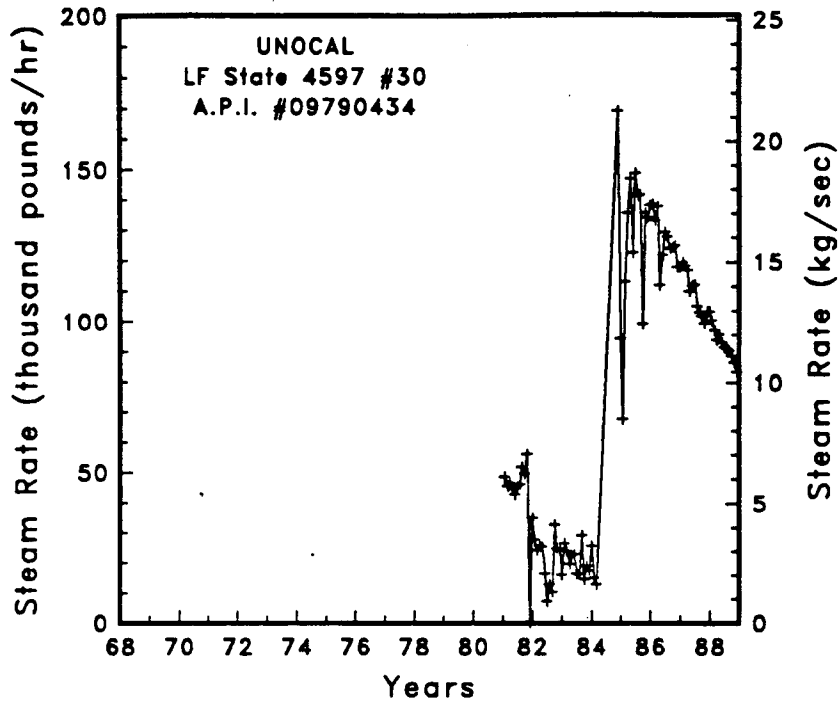


Figure A-139

Steam rate and cumulative mass flow for well LF State 4597 #30



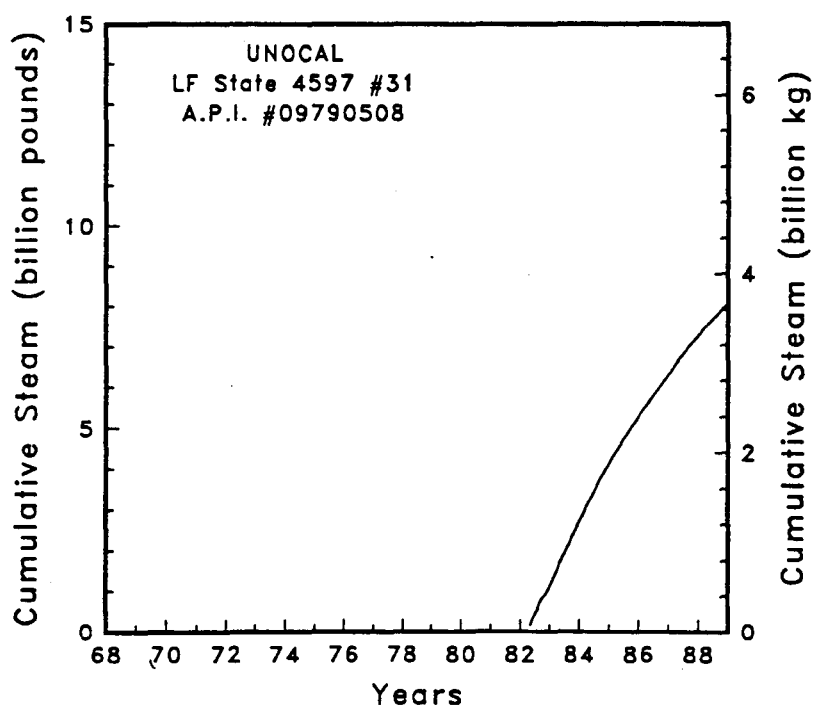
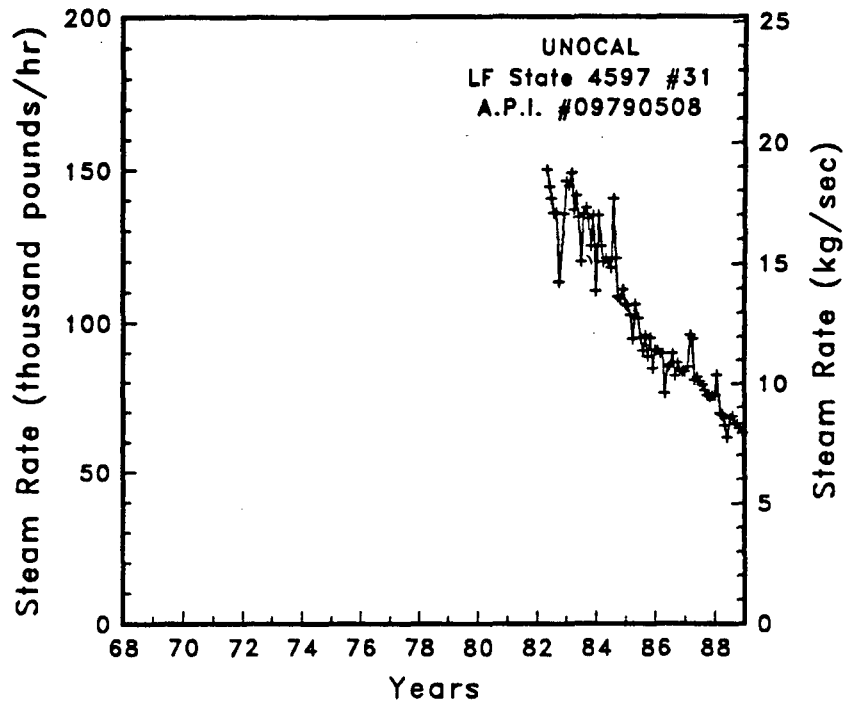


Figure A-140 Steam rate and cumulative mass flow for well LF State 4597 #31

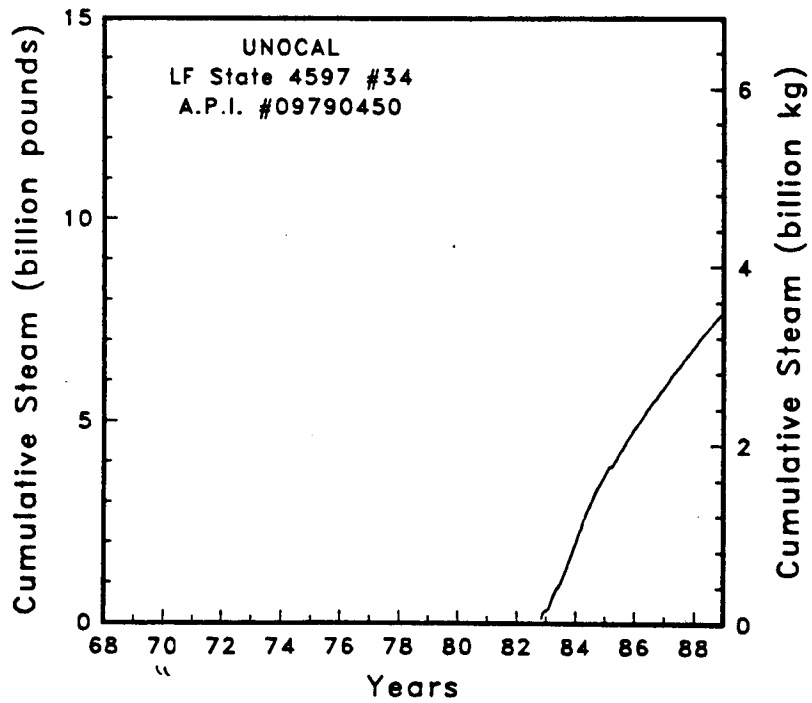
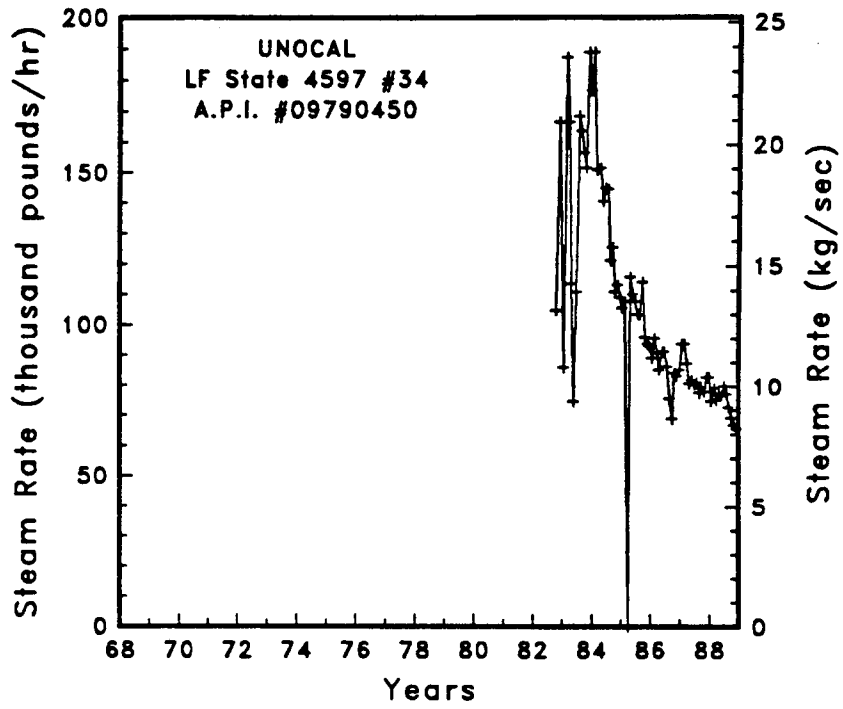


Figure A-141 Steam rate and cumulative mass flow for well LF State 4597 #34

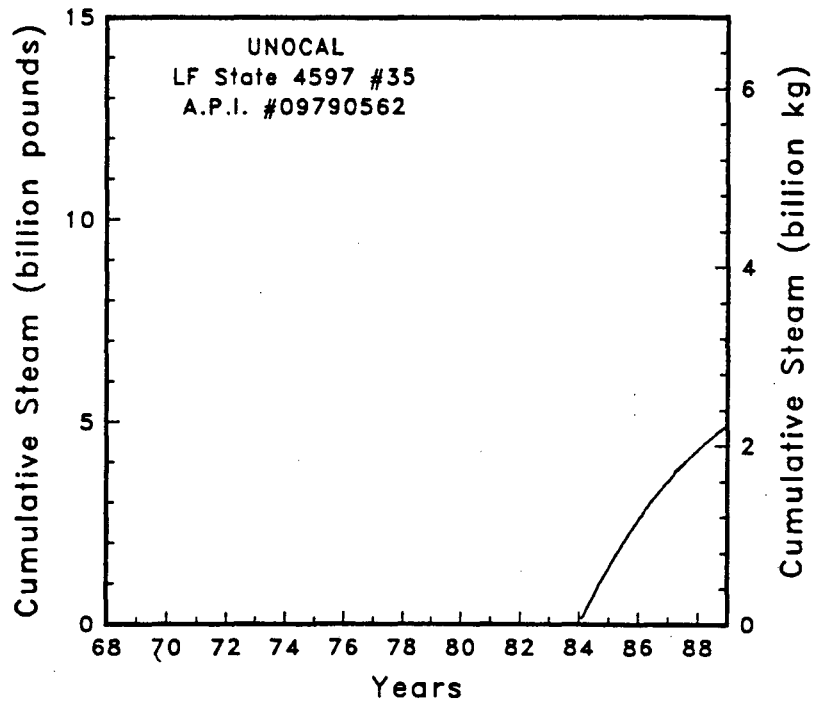
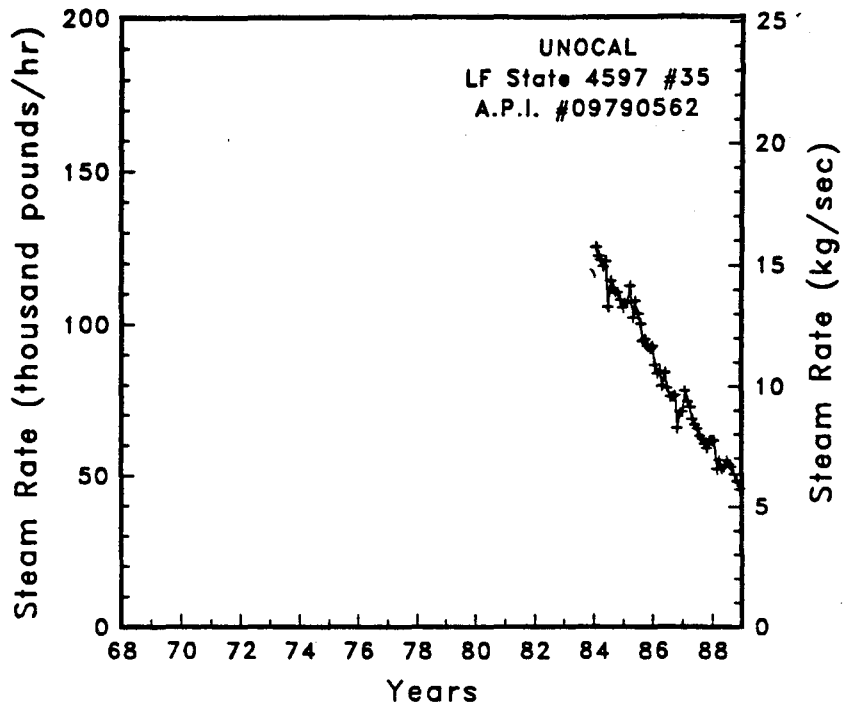


Figure A-142 Steam rate and cumulative mass flow for well LF State 4597 #35

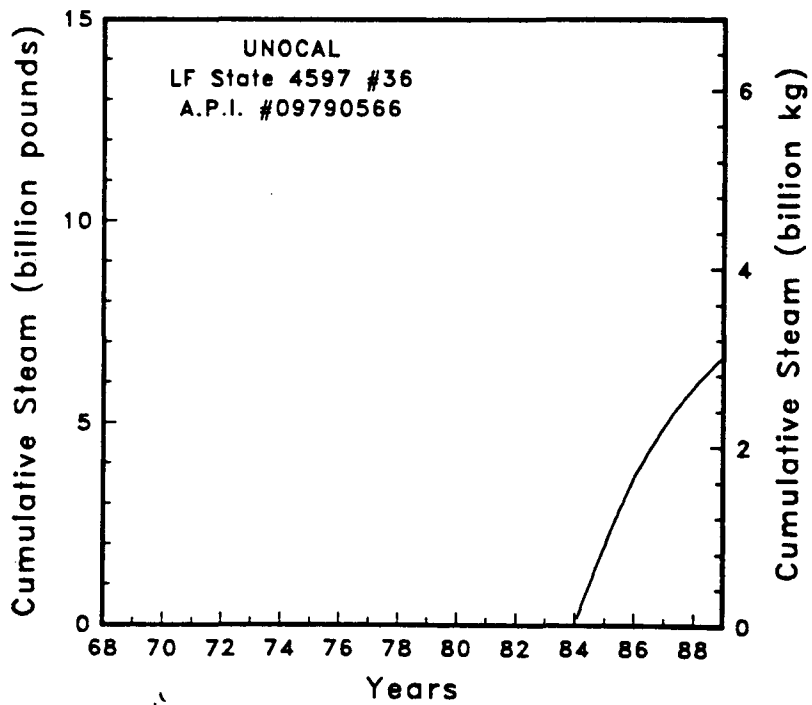
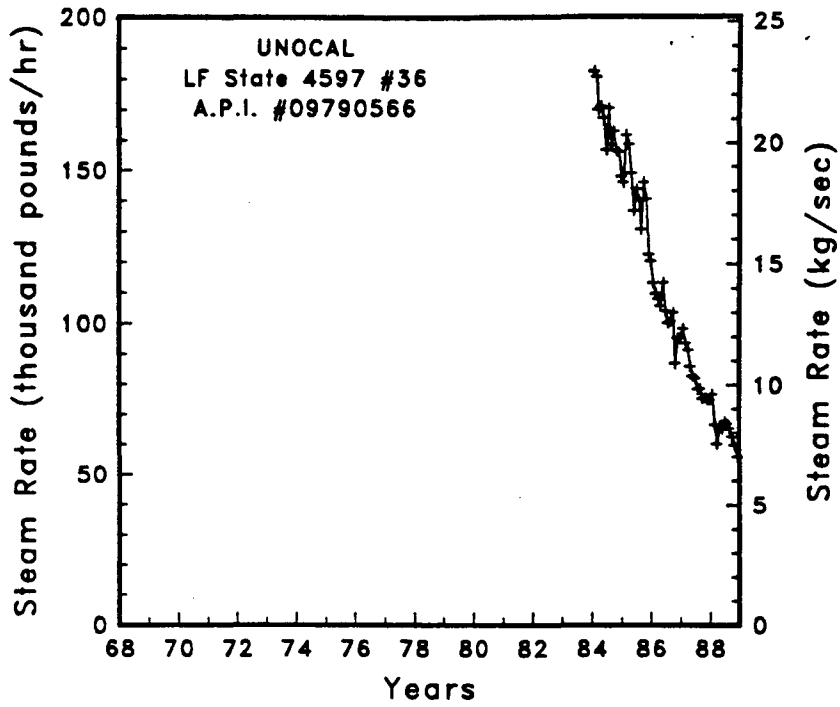


Figure A-143

Steam rate and cumulative mass flow for well LF State 4597 #36

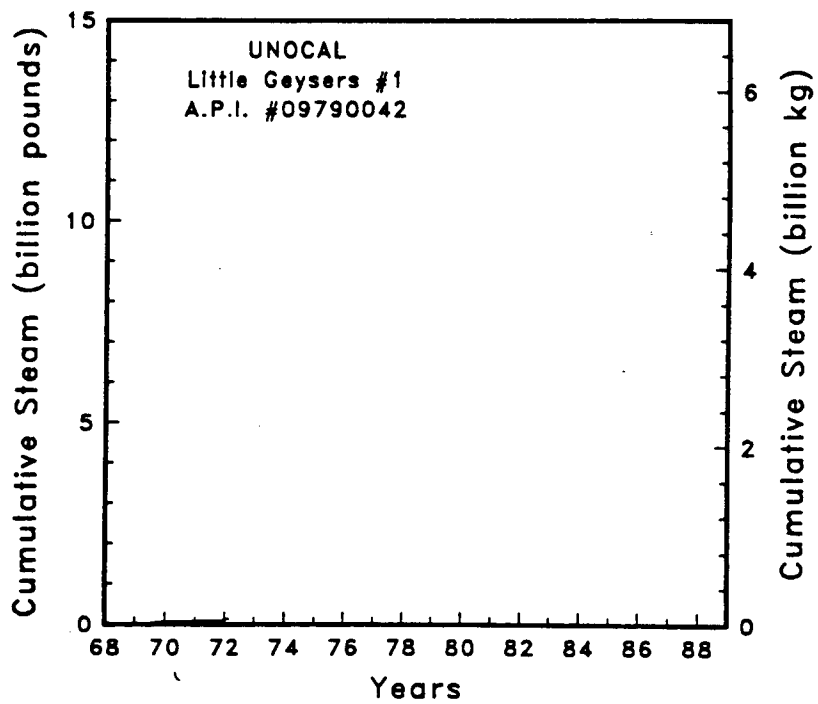
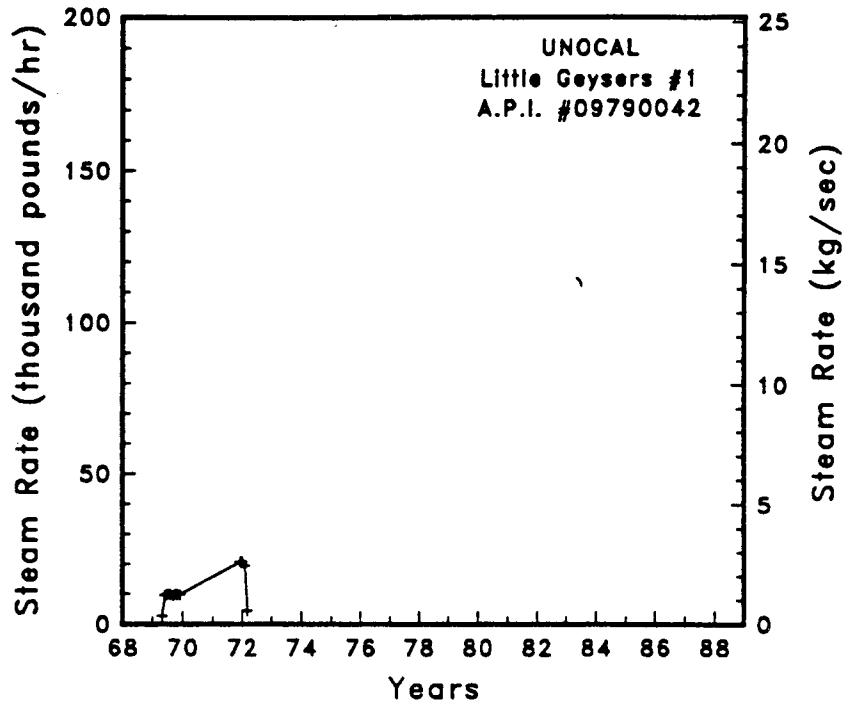


Figure A-144

Steam rate and cumulative mass flow for well Little Geysers #1

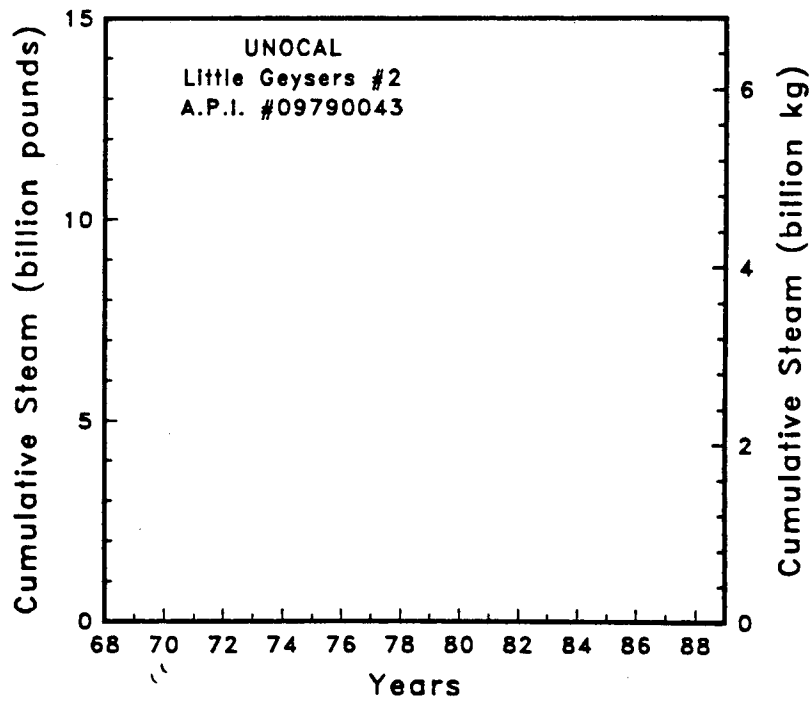
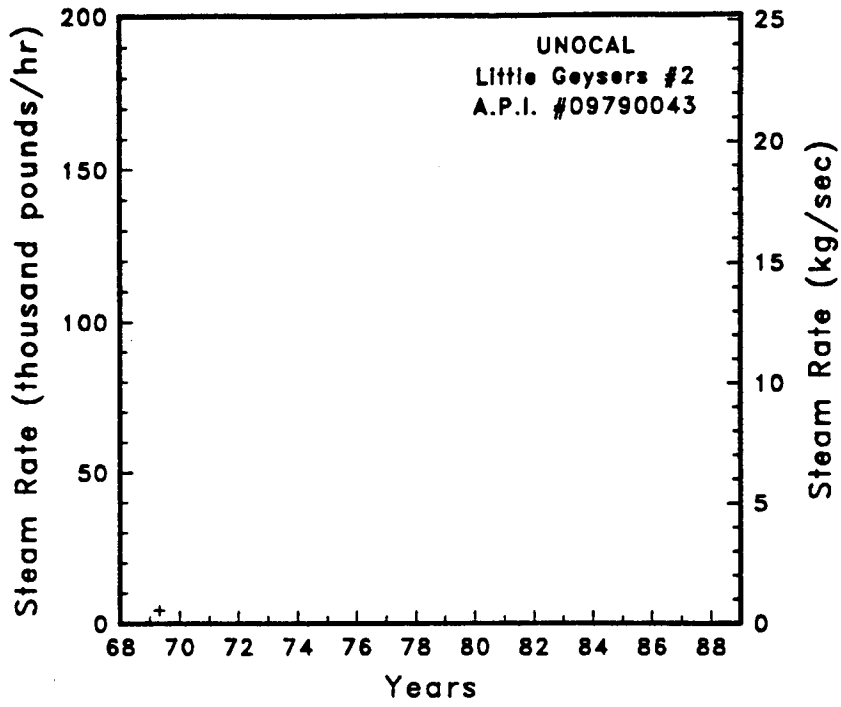


Figure A-145 Steam rate and cumulative mass flow for well Little Geysers #2

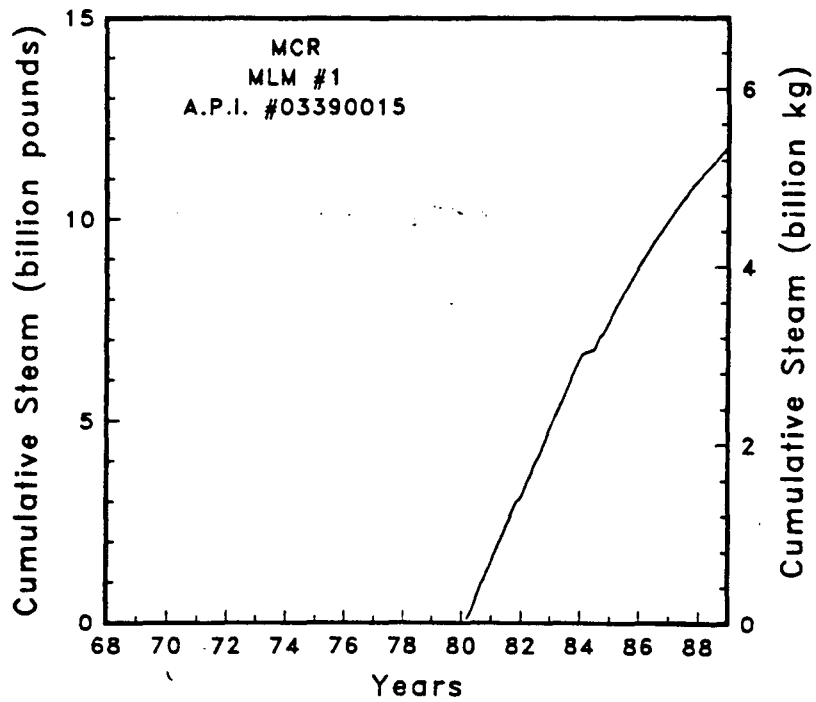
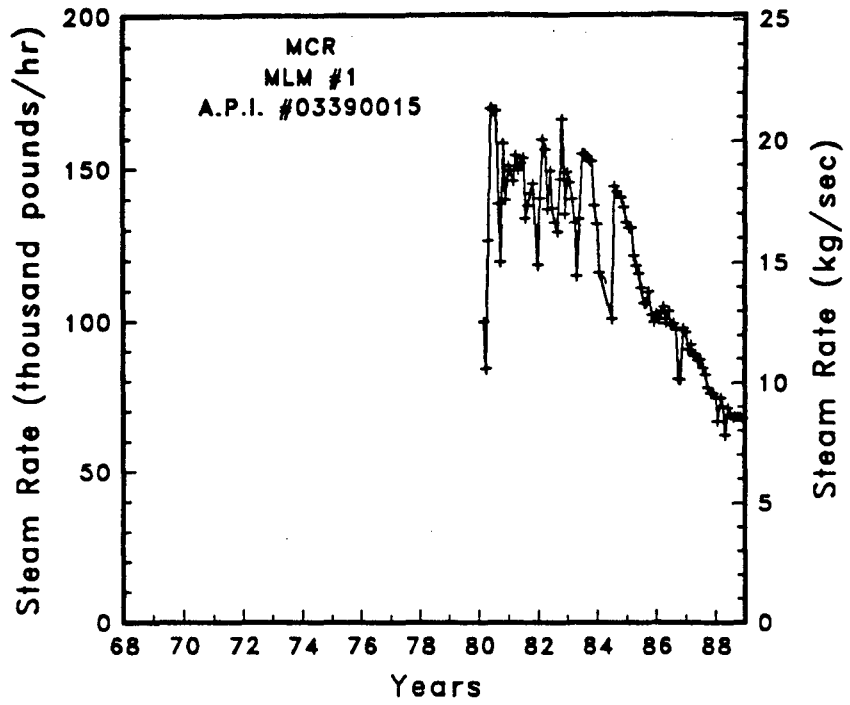


Figure A-146 Steam rate and cumulative mass flow for well MLM #1

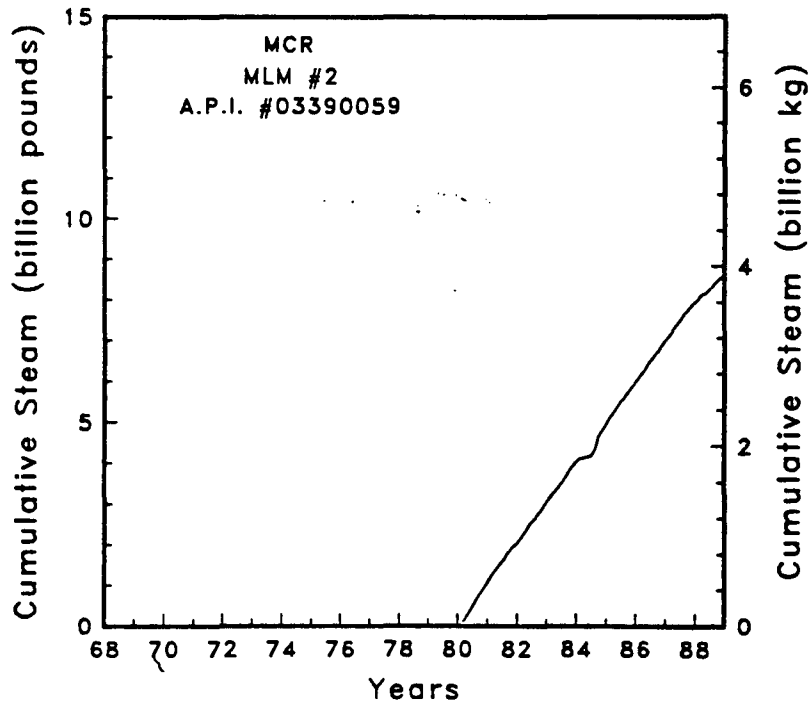
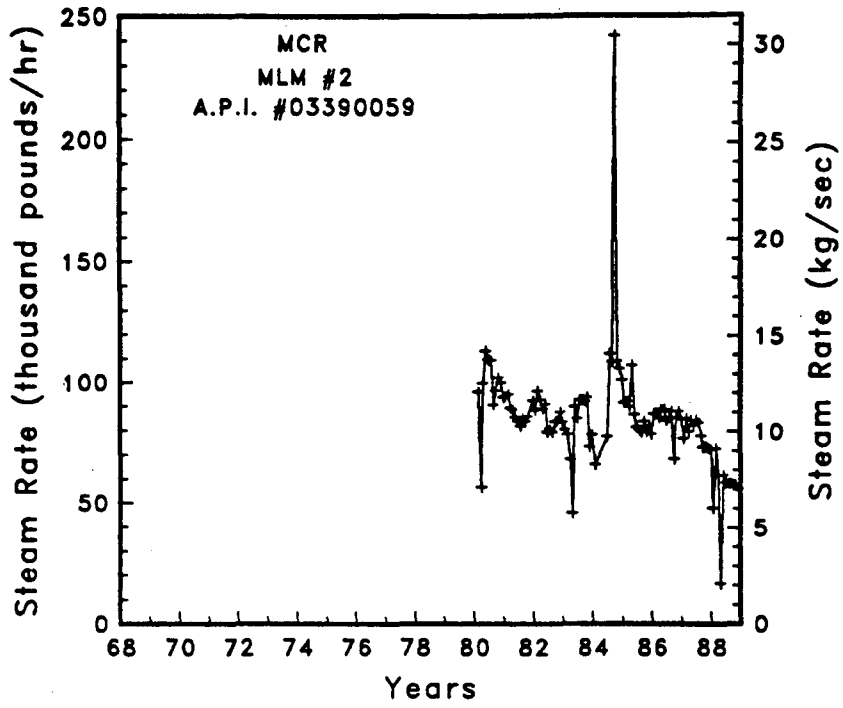


Figure A-147

Steam rate and cumulative mass flow for well MLM #2



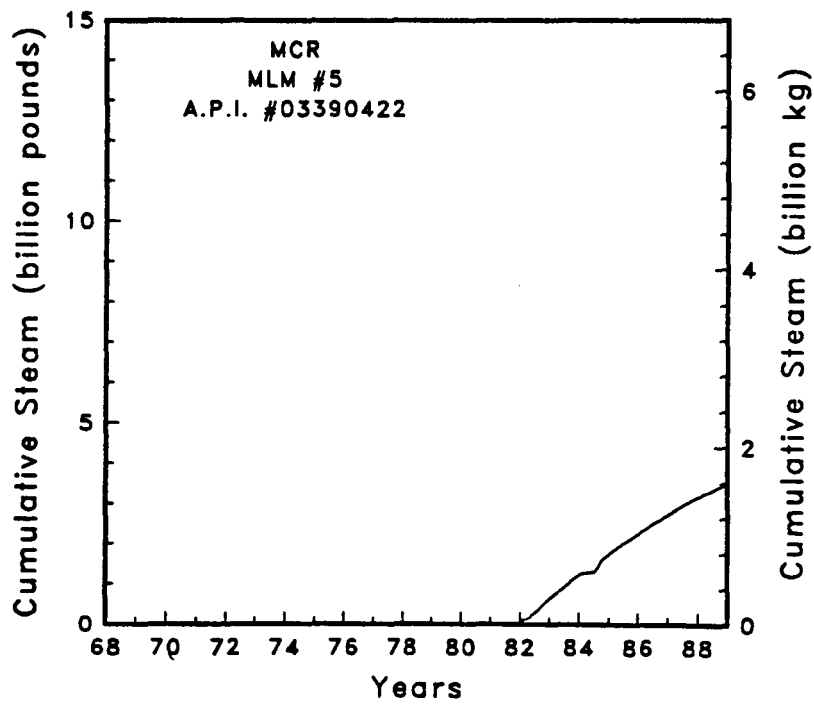
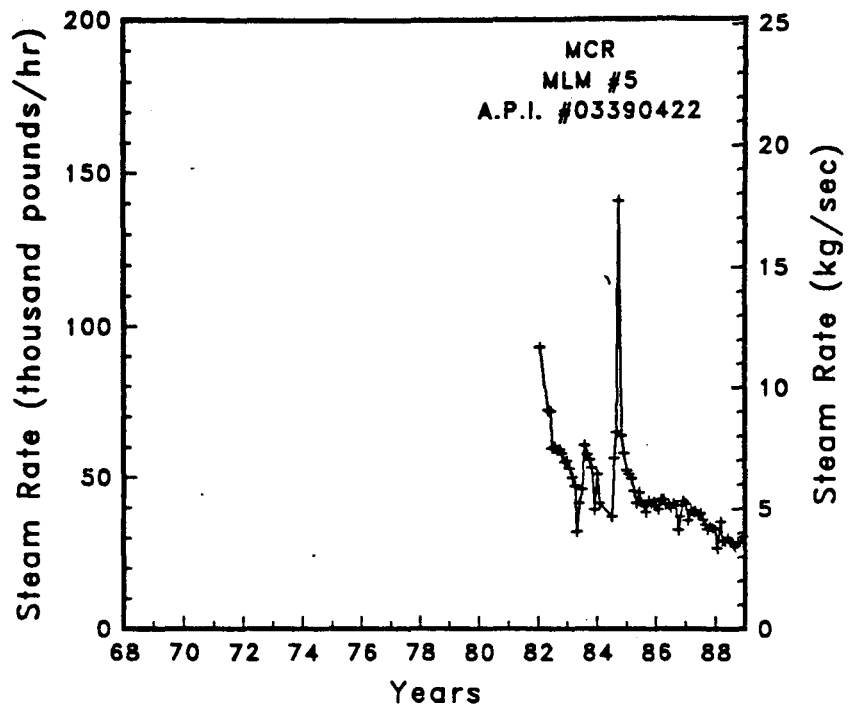


Figure A-148

Steam rate and cumulative mass flow for well MLM #5

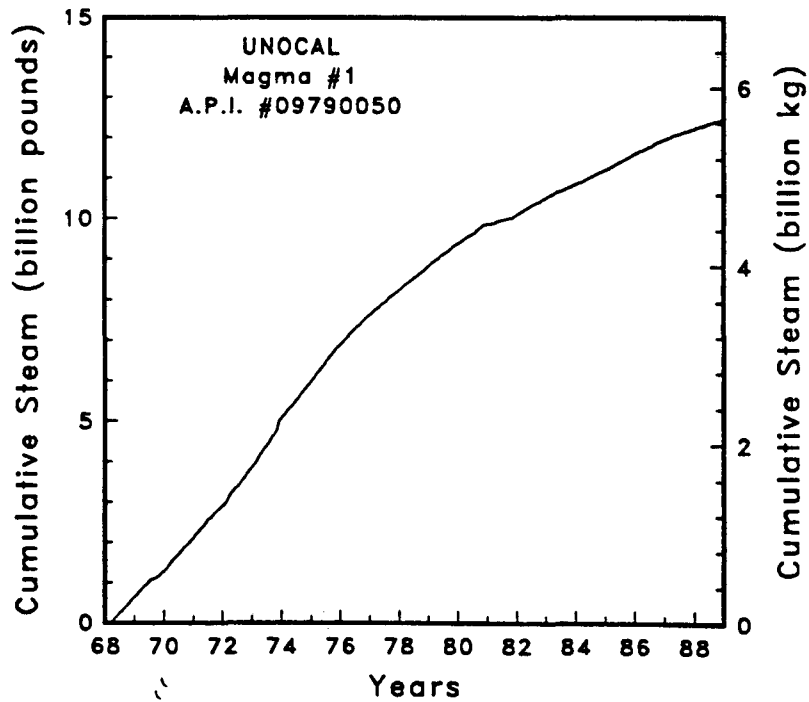
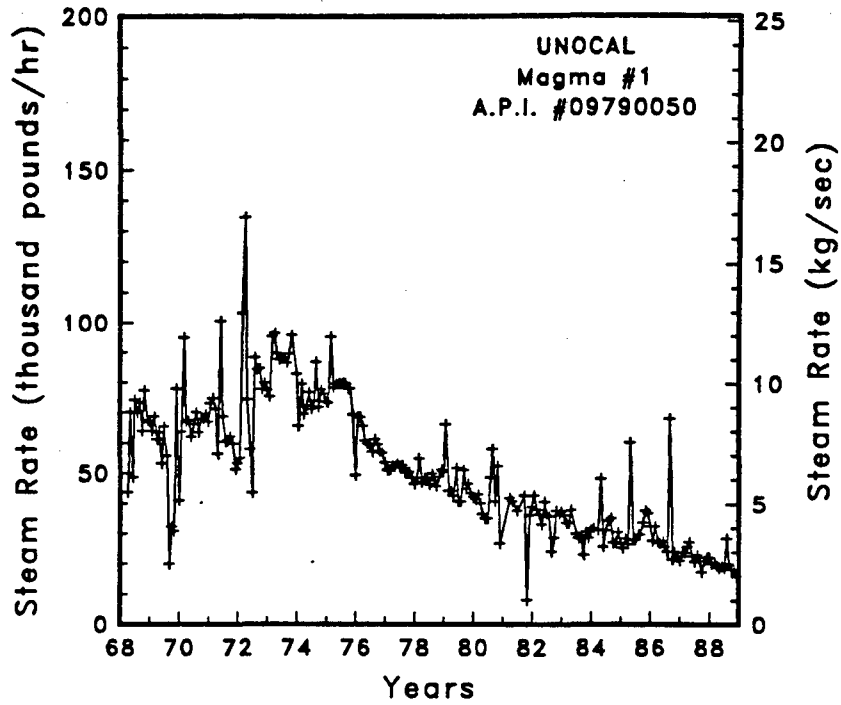


Figure A-149

Steam rate and cumulative mass flow for well Magma #1

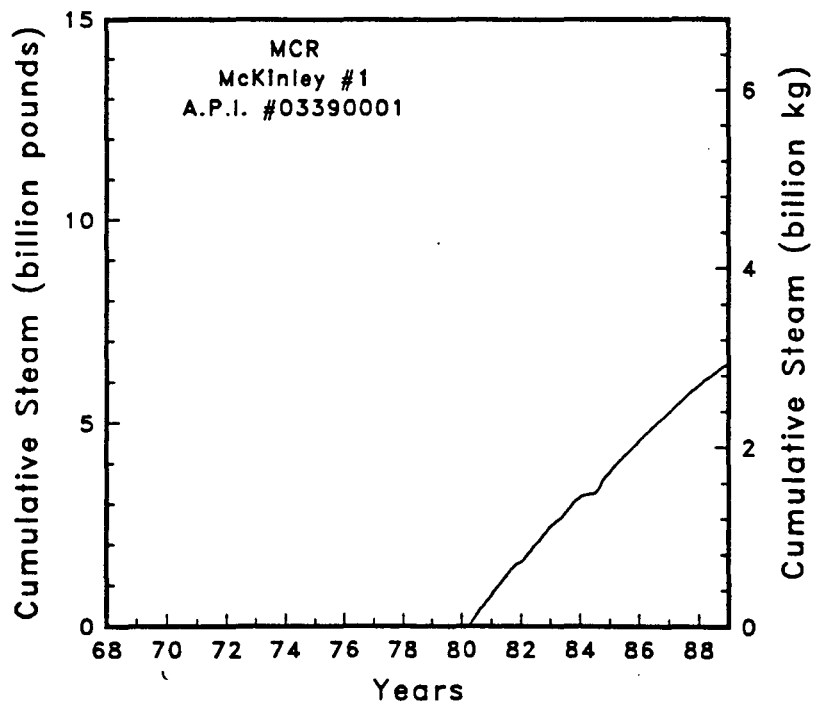
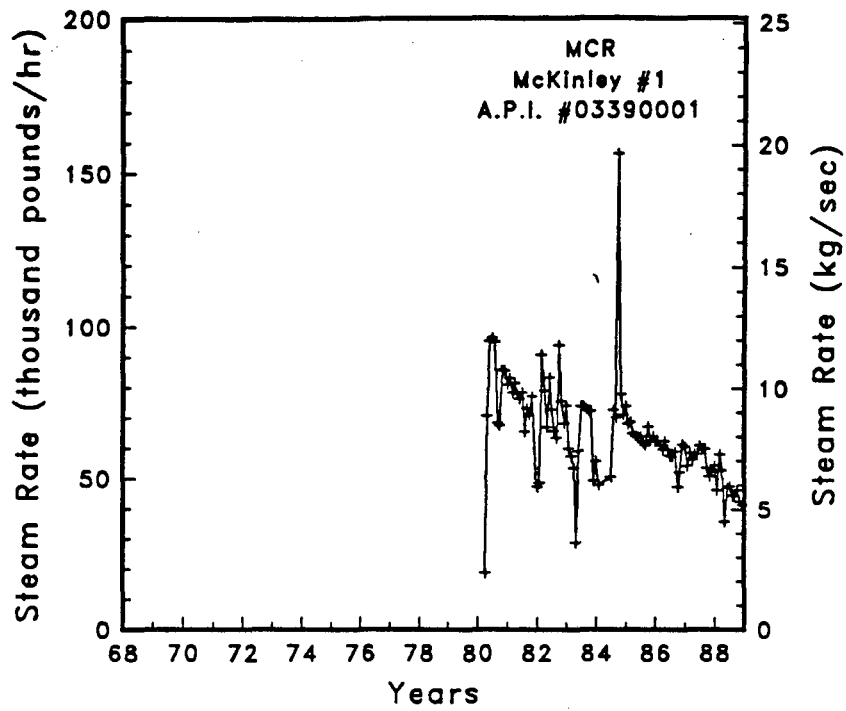


Figure A-150

Steam rate and cumulative mass flow for well McKinley #1

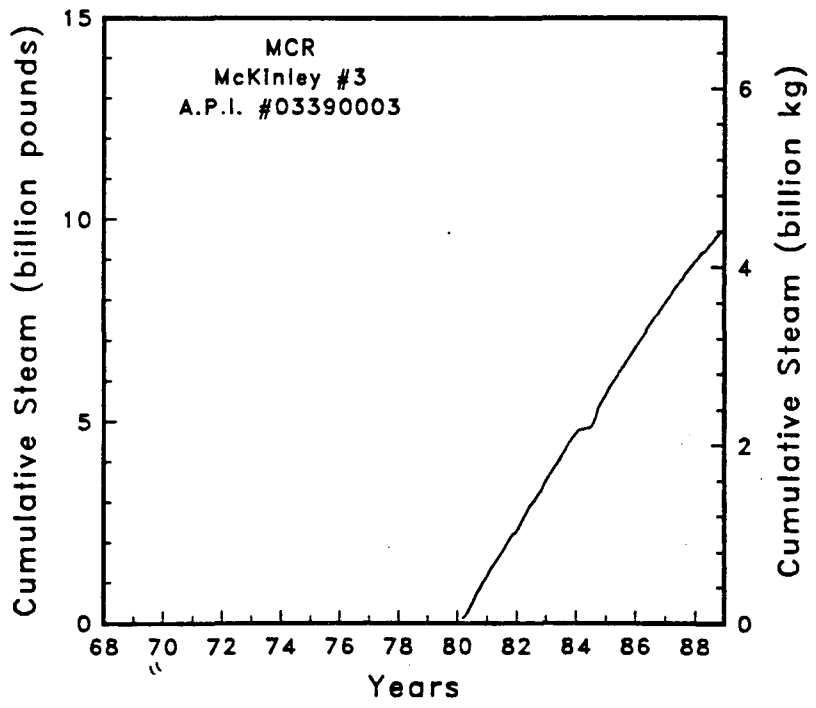
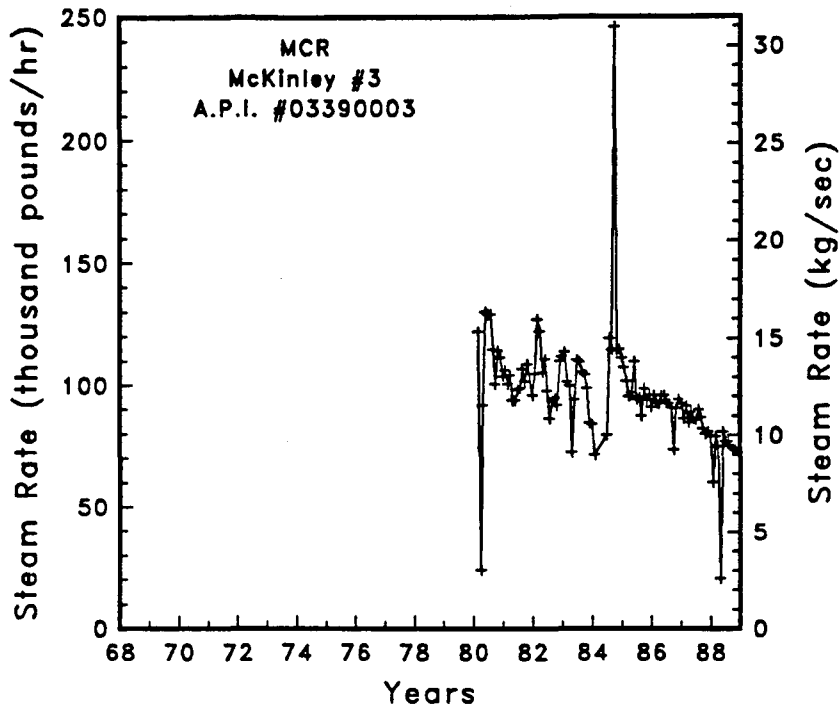


Figure A-151 Steam rate and cumulative mass flow for well McKinley #3

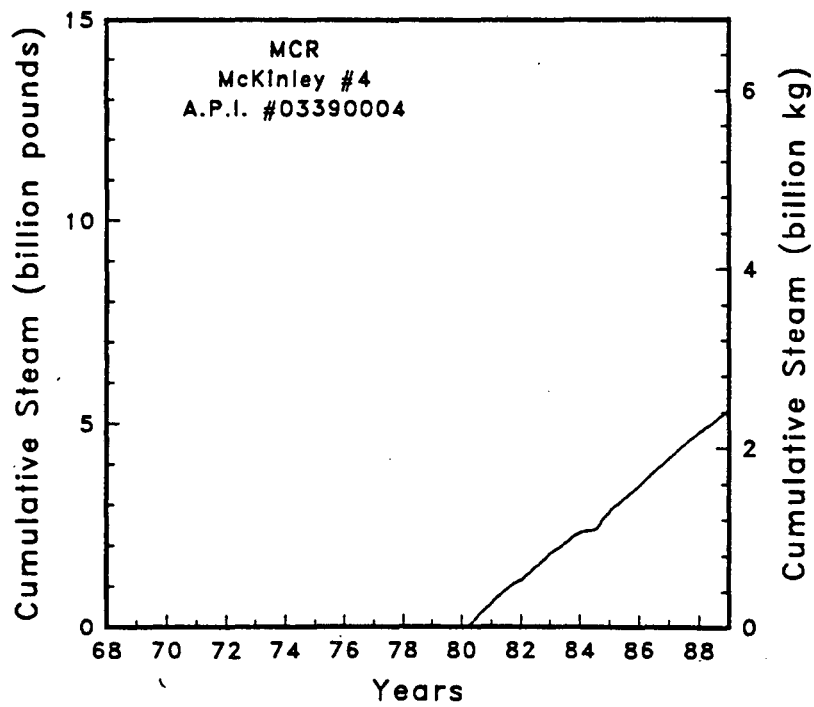
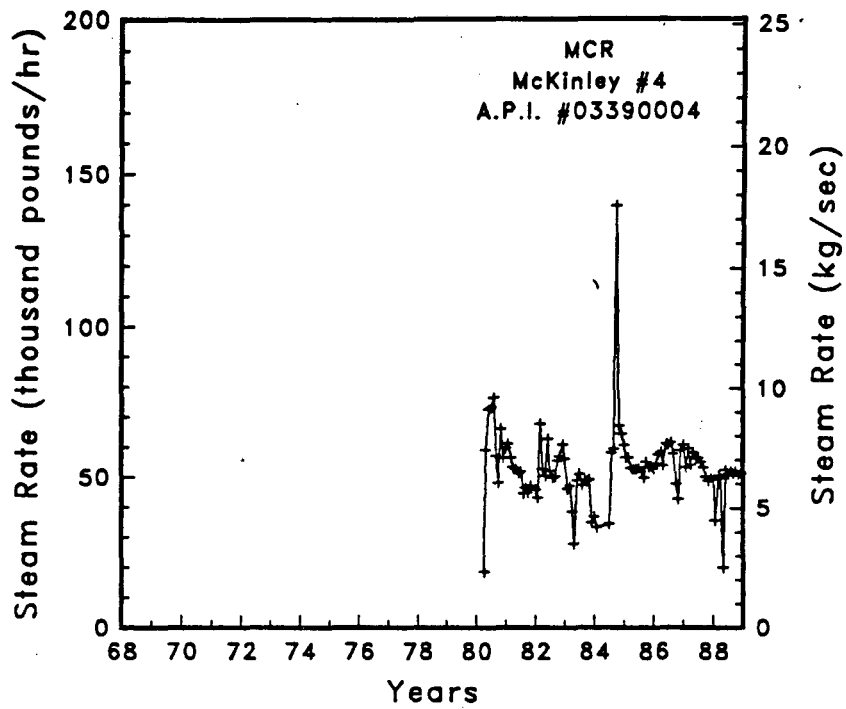


Figure A-152

Steam rate and cumulative mass flow for well McKinley #4

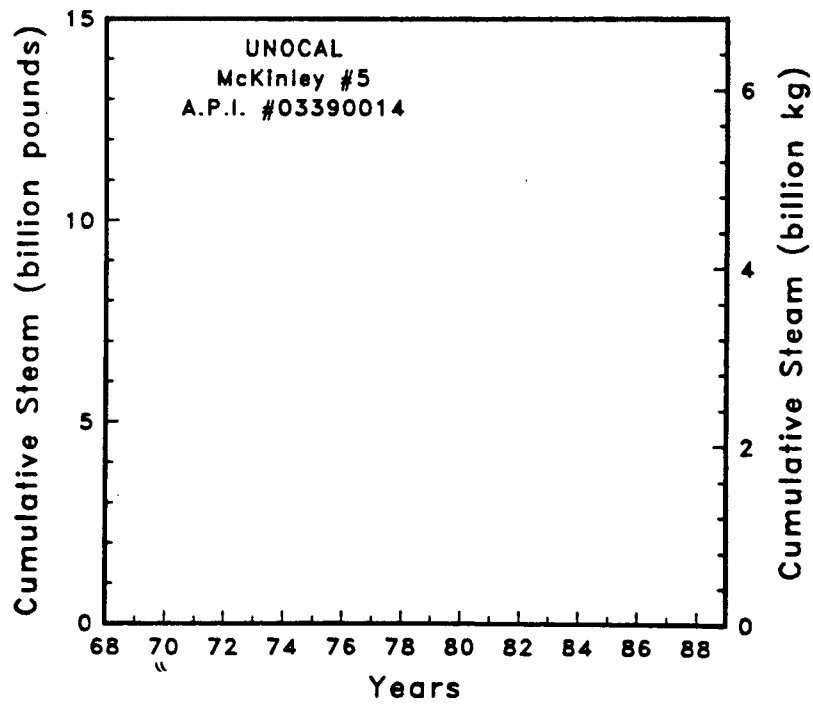
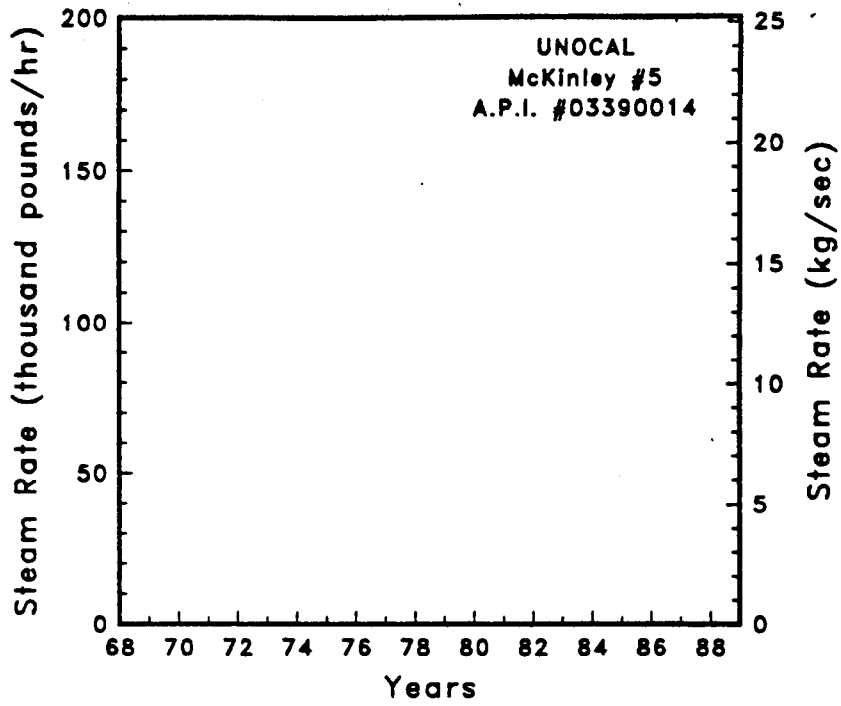


Figure A-153

Steam rate and cumulative mass flow for well McKinley #5

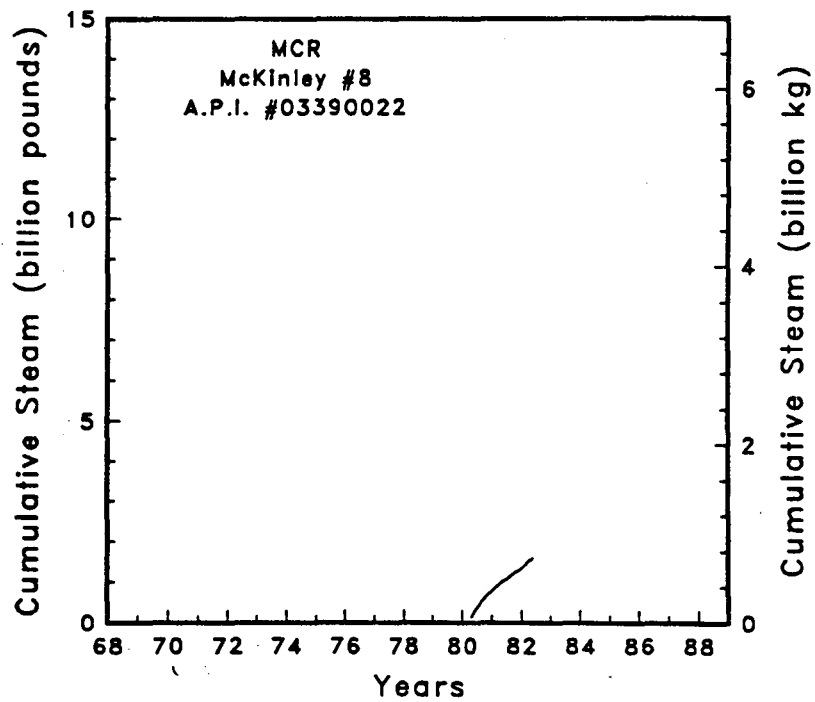
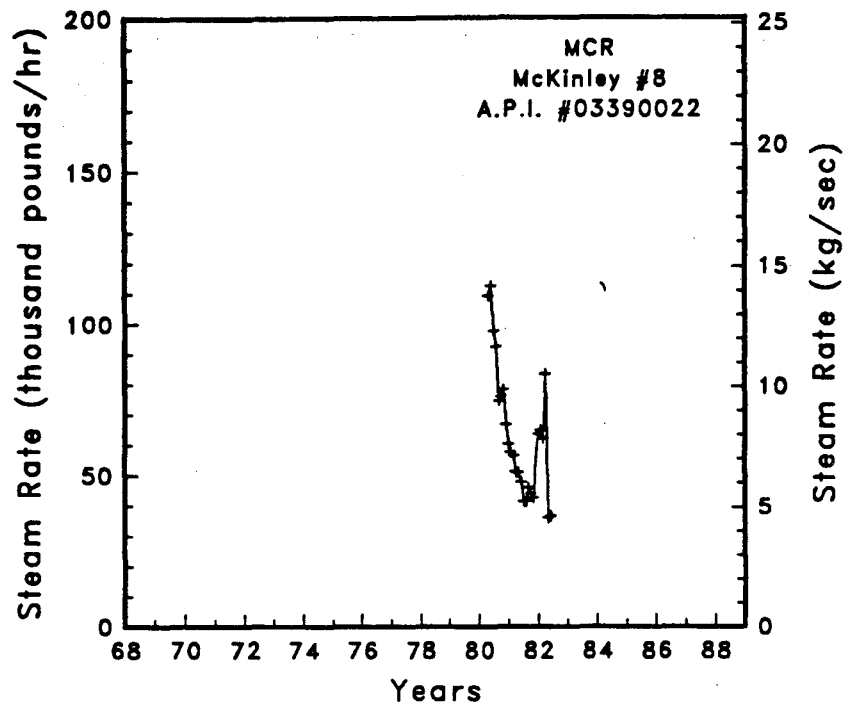


Figure A-154

Steam rate and cumulative mass flow for well McKinley #8

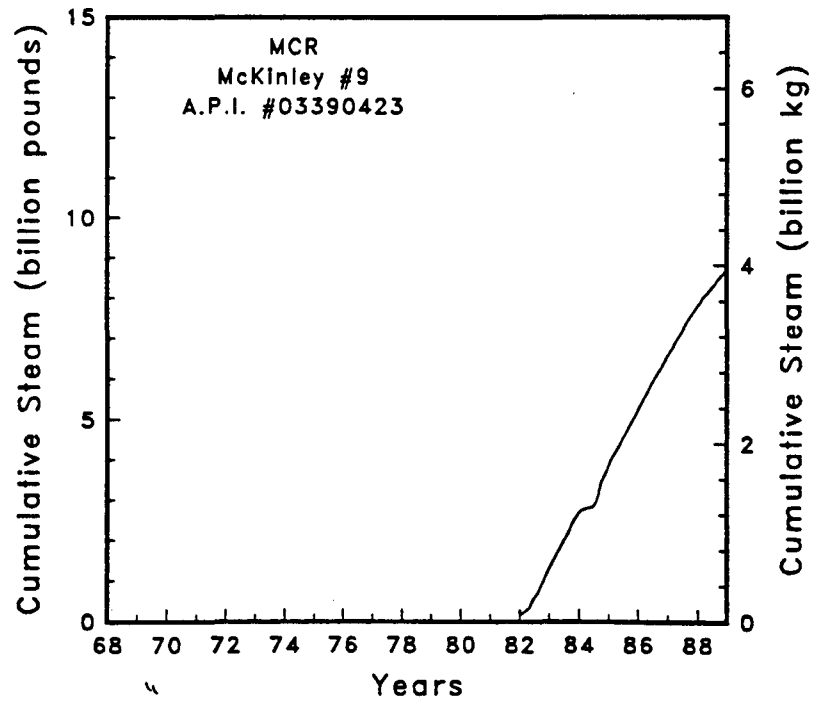
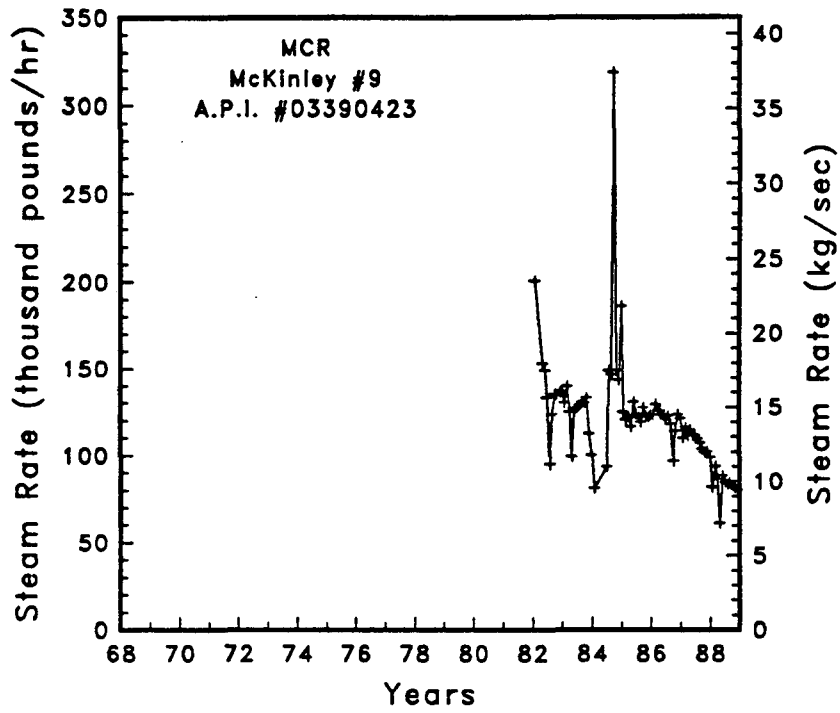


Figure A-155

Steam rate and cumulative mass flow for well McKinley #9



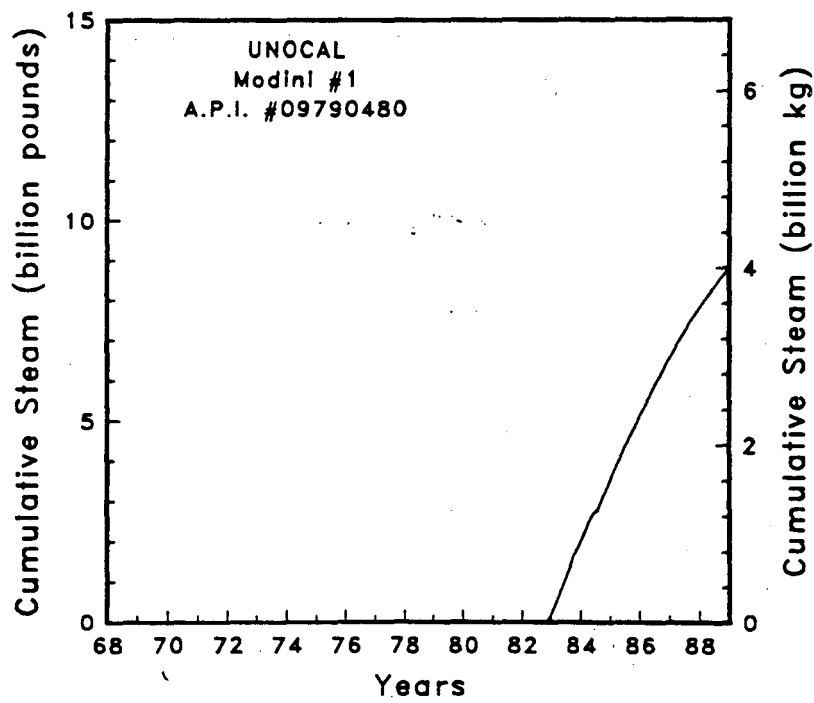
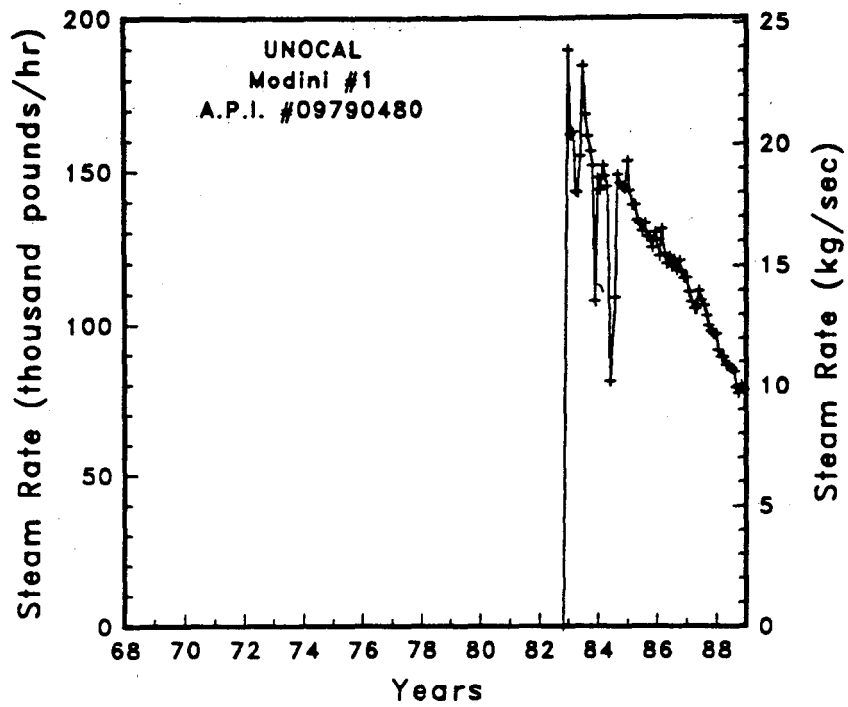


Figure A-156

Steam rate and cumulative mass flow for well Modini #1

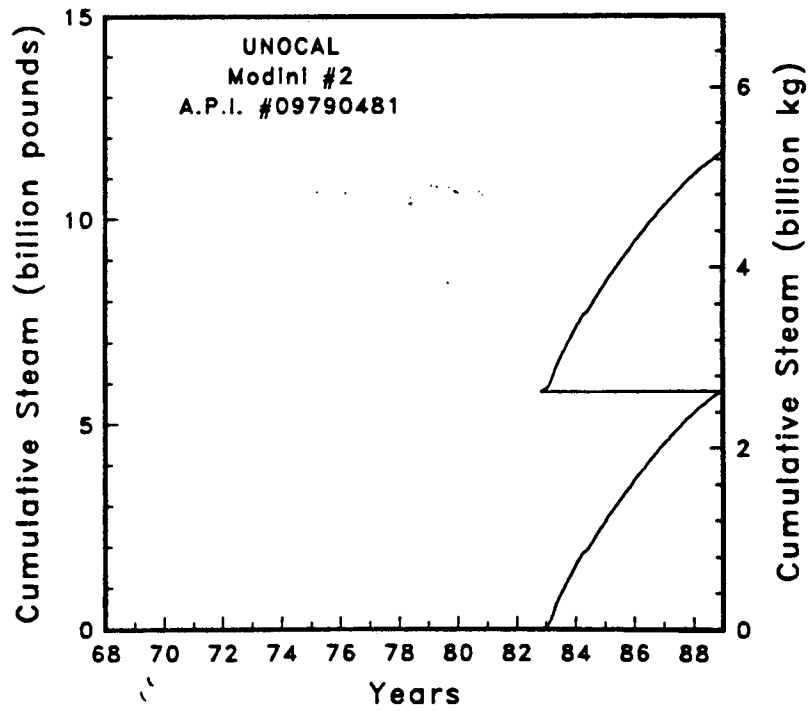
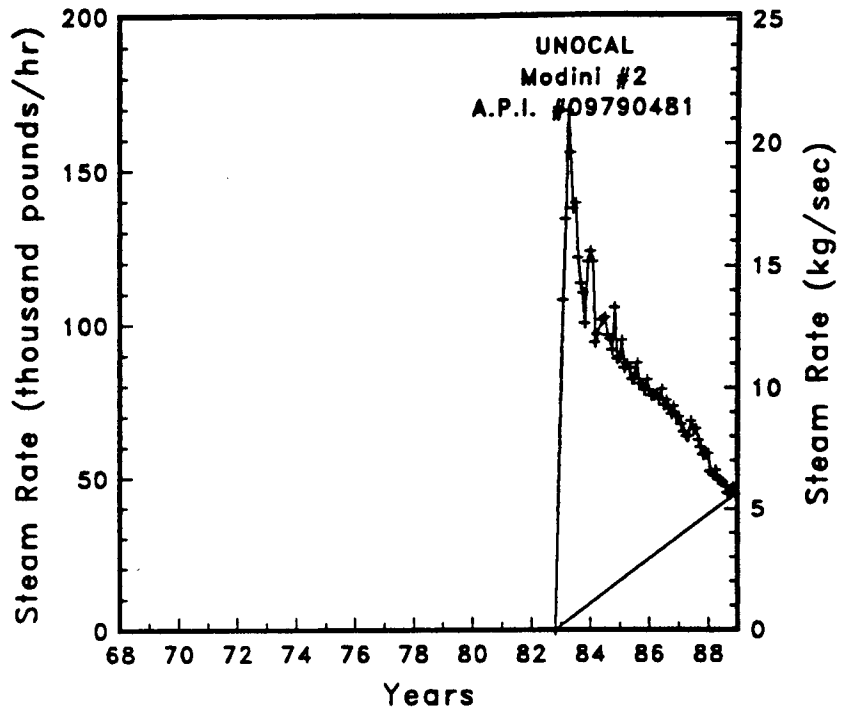


Figure A-157

Steam rate and cumulative mass flow for well Modini #2

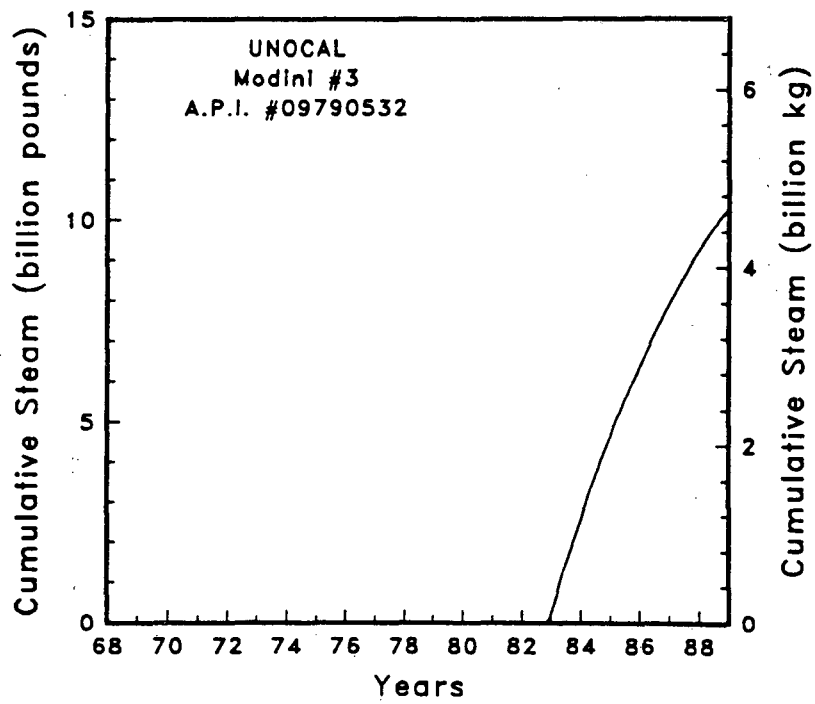
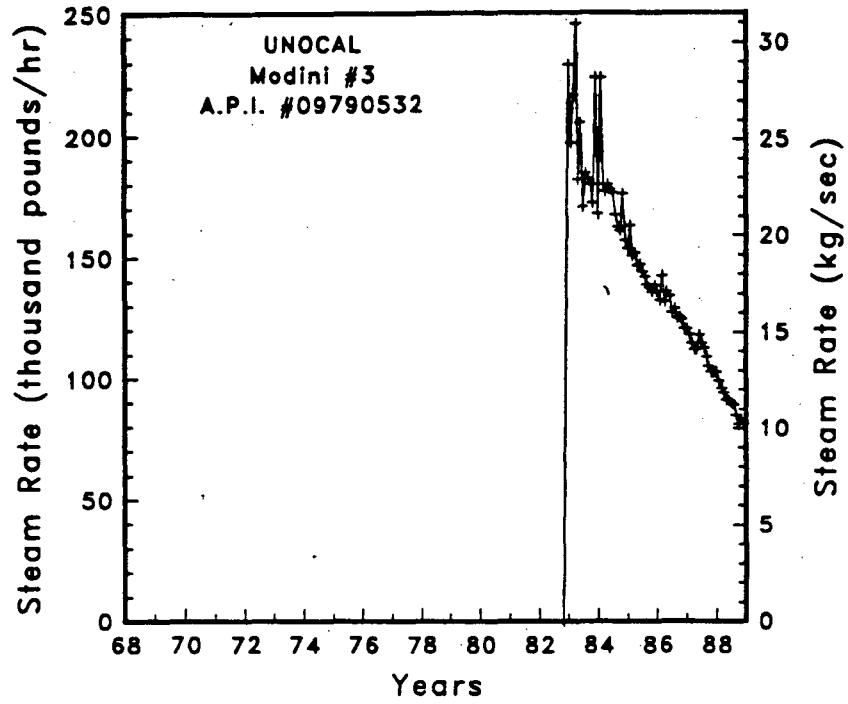


Figure A-158

Steam rate and cumulative mass flow for well Modini #3

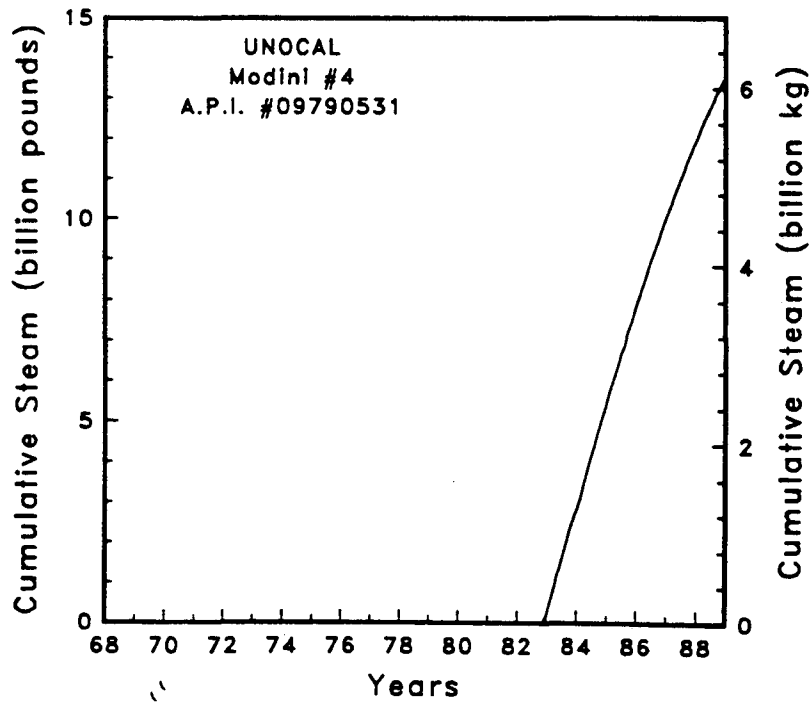
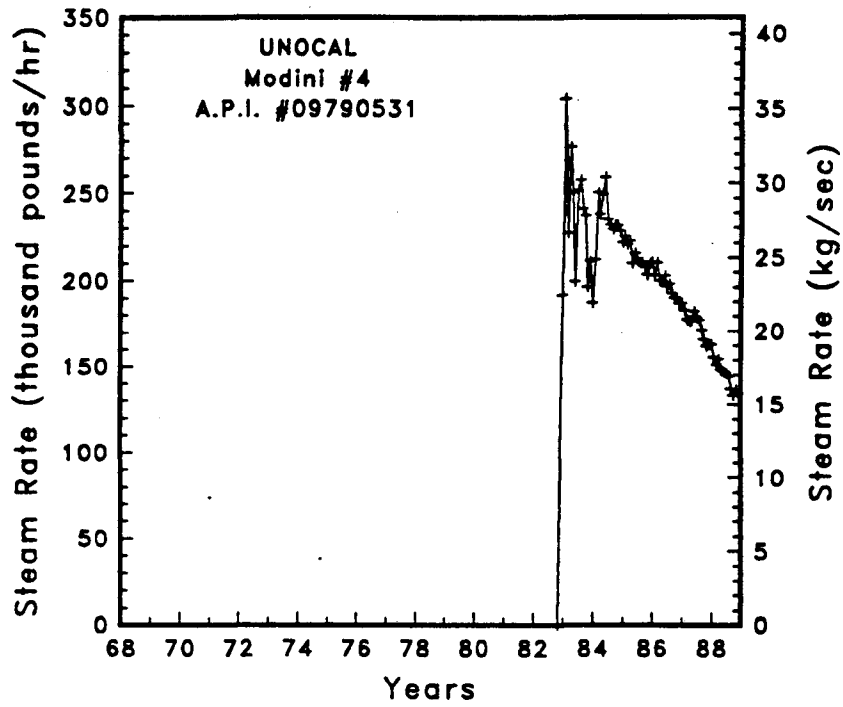


Figure A-159

Steam rate and cumulative mass flow for well Modini #4

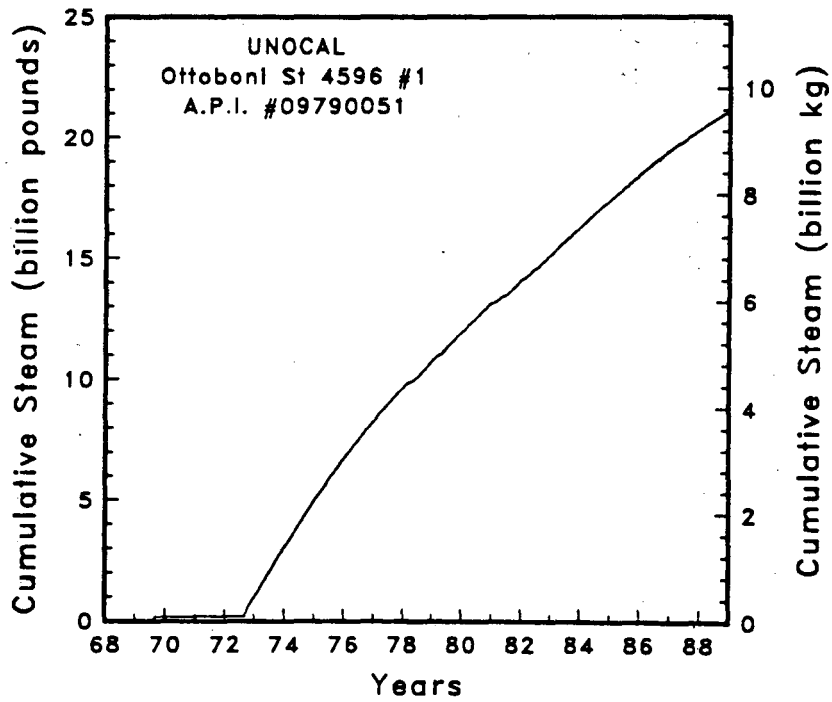
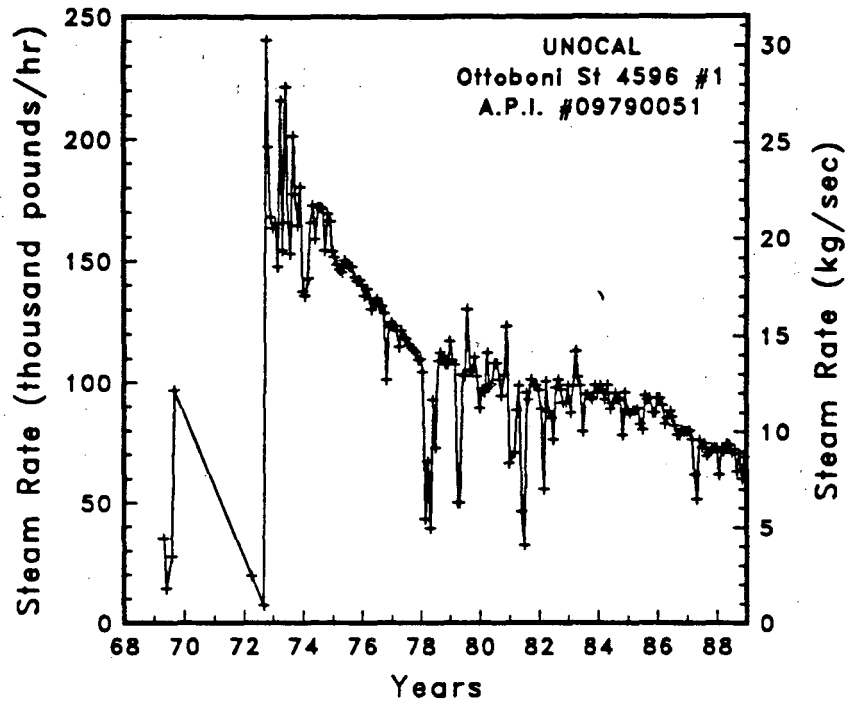


Figure A-160

Steam rate and cumulative mass flow for well Ottoboni St 4596 #1

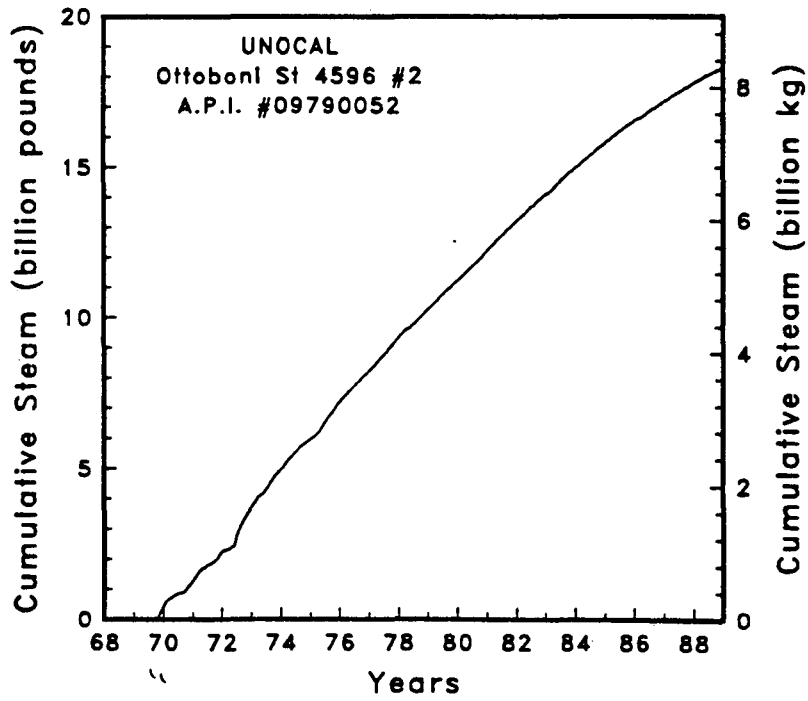
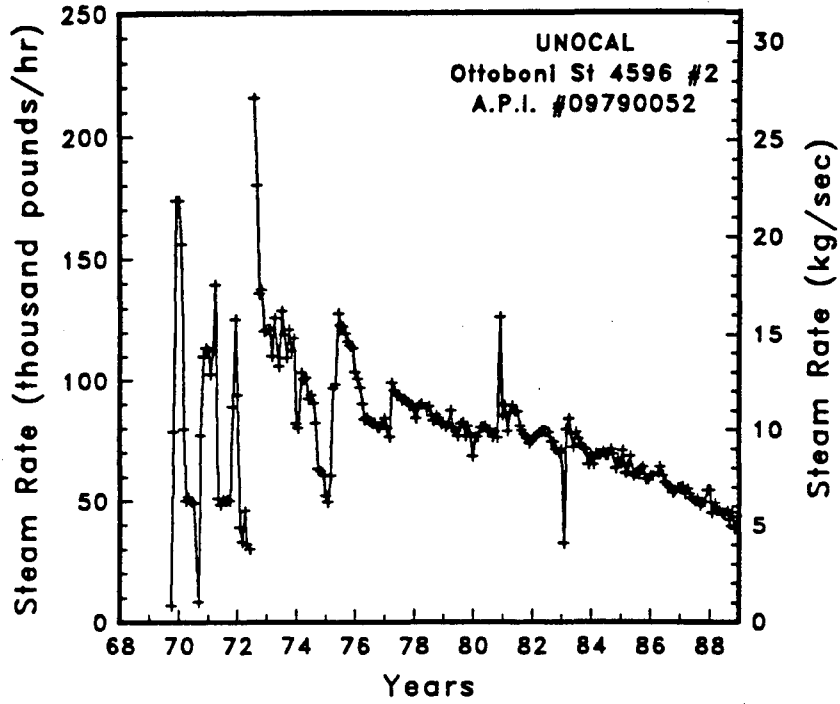


Figure A-161

Steam rate and cumulative mass flow for well Ottoboni St 4596 #2

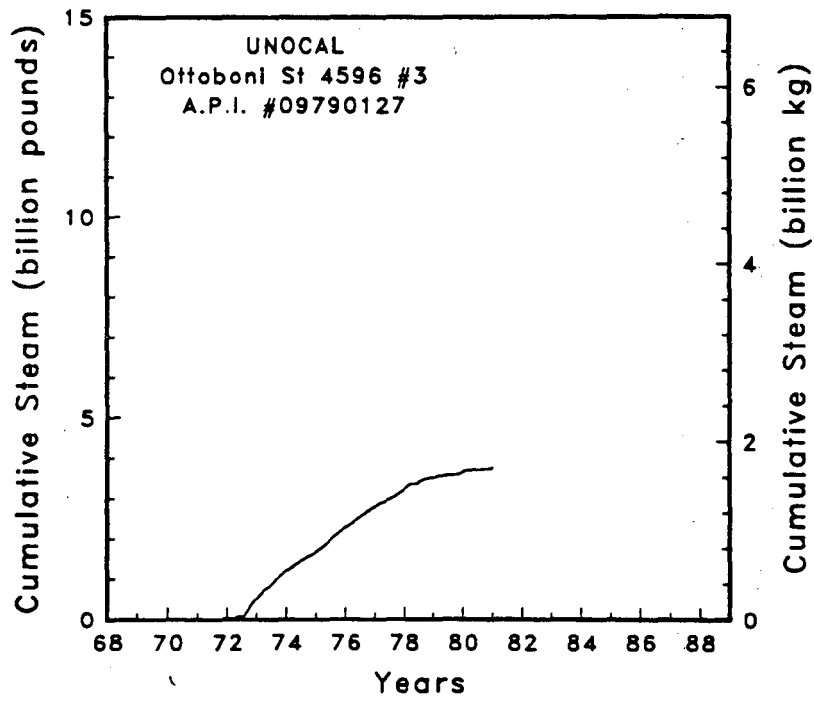
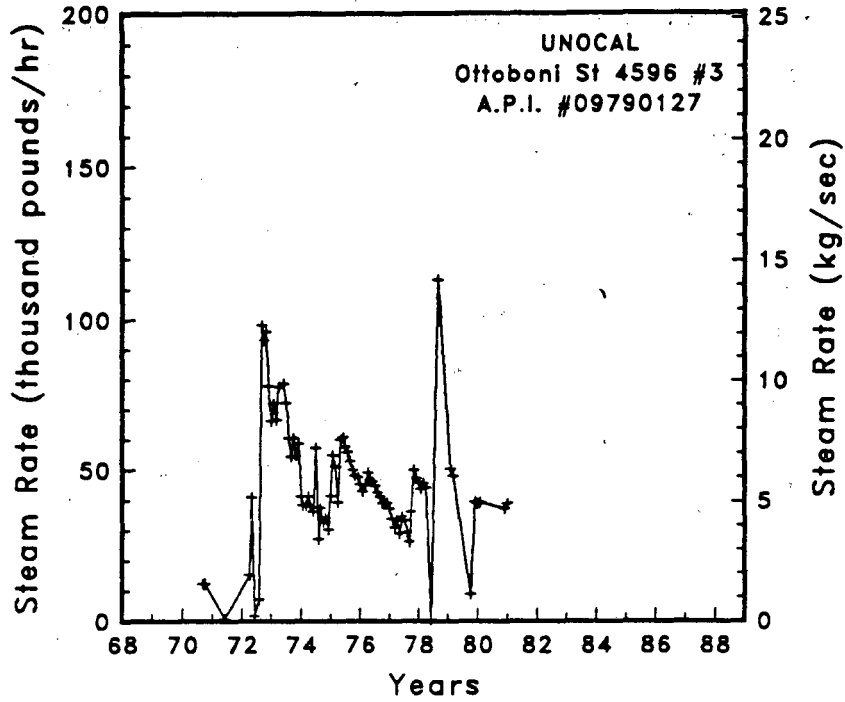


Figure A-162

Steam rate and cumulative mass flow for well Ottoboni St 4596 #3

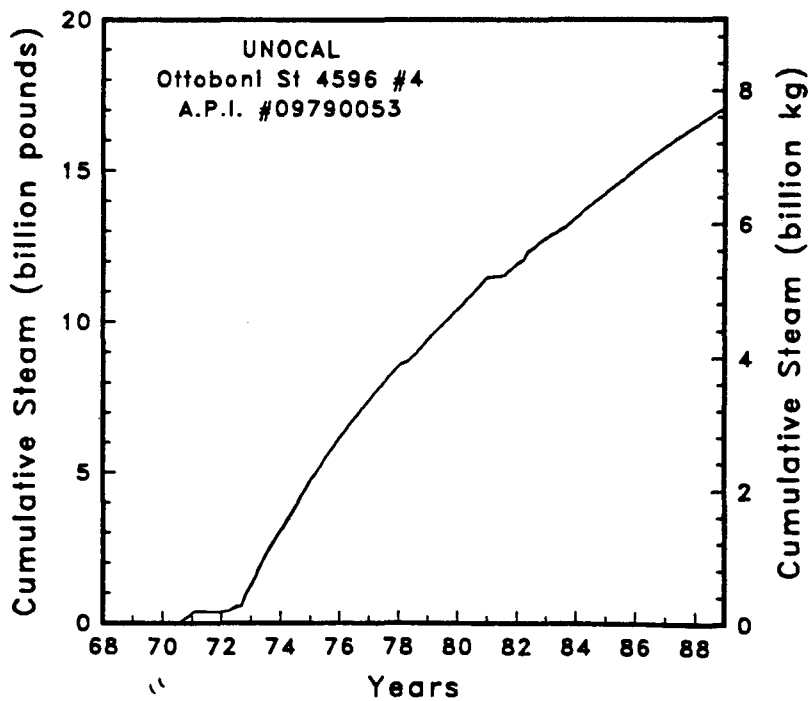
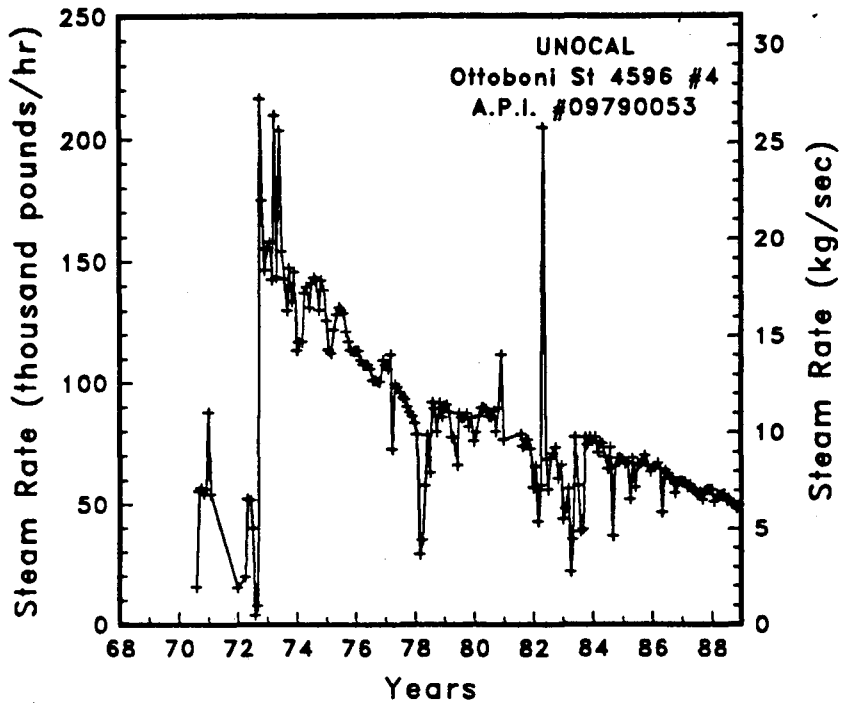


Figure A-163

Steam rate and cumulative mass flow for well Ottoboni St 4596 #4



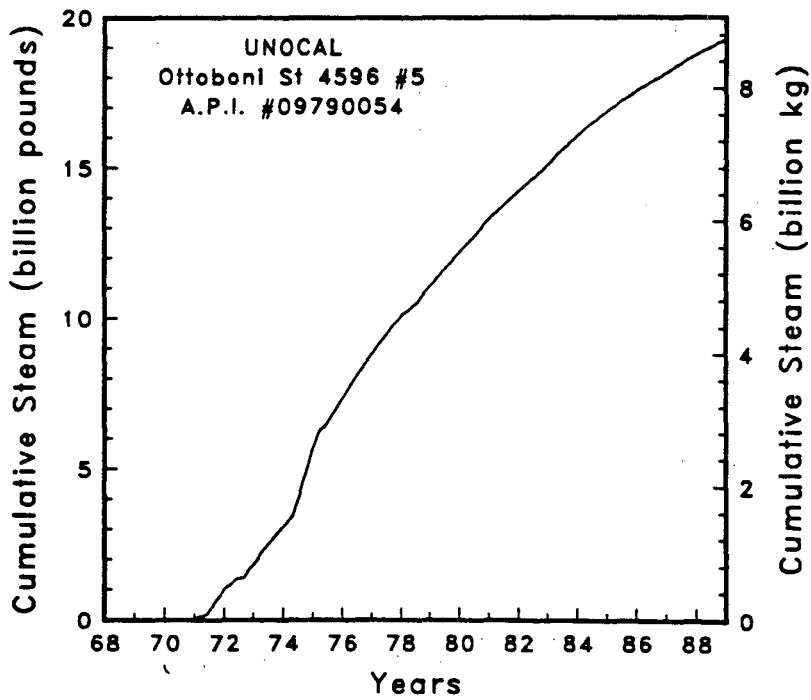
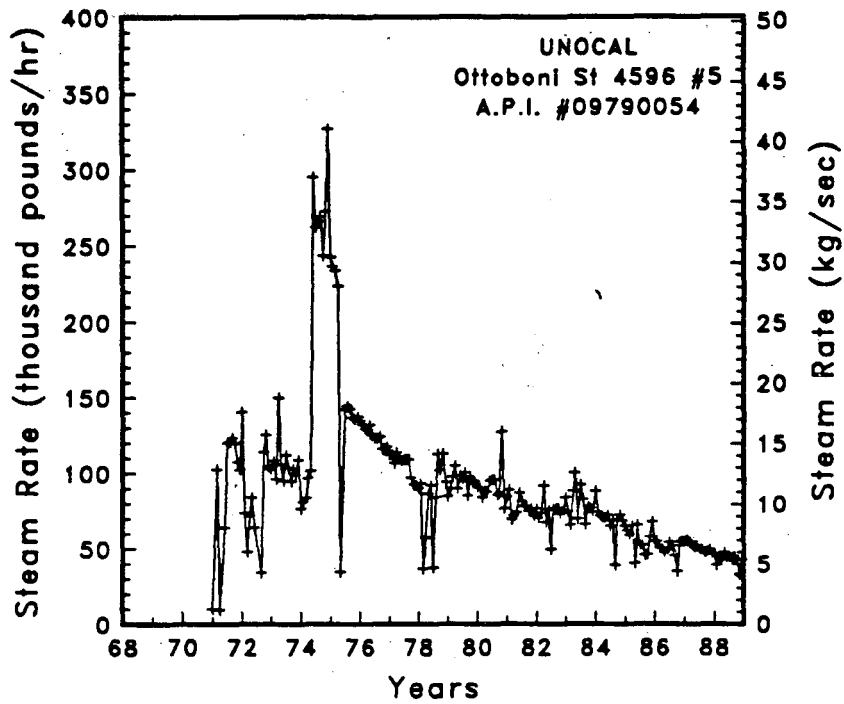


Figure A-164

Steam rate and cumulative mass flow for well Ottoboni St 4596 #5

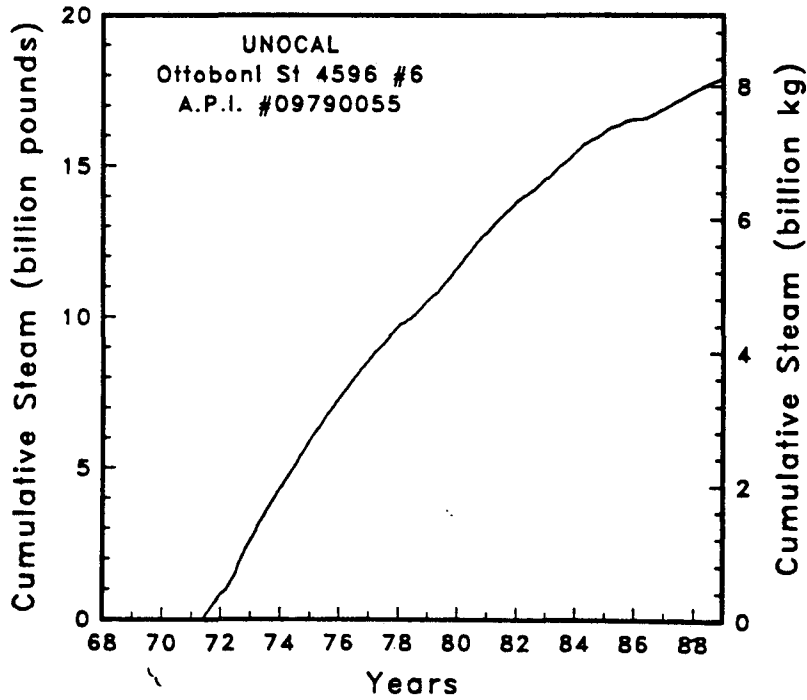
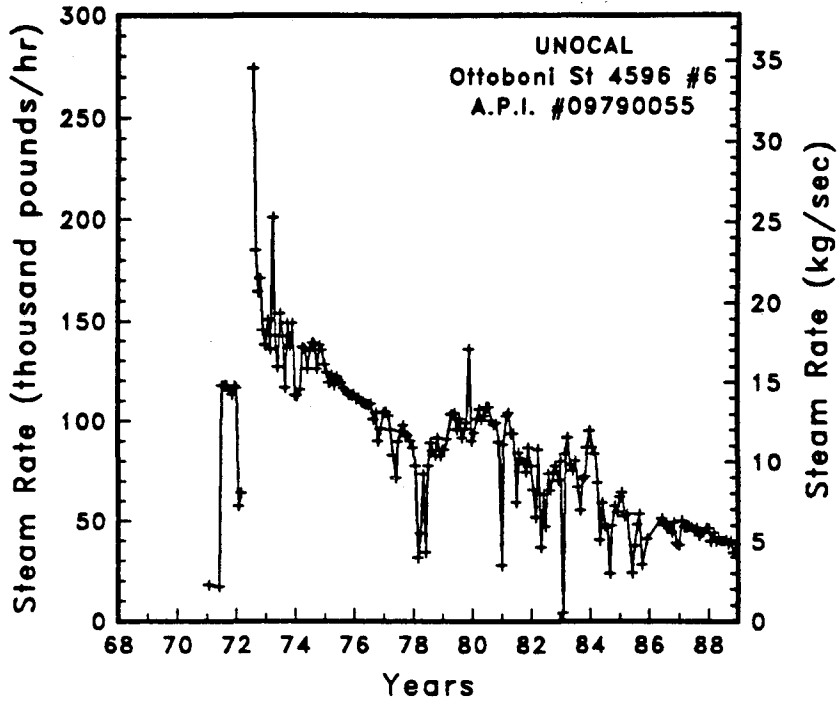


Figure A-165

Steam rate and cumulative mass flow for well Ottoboni St 4596 #6

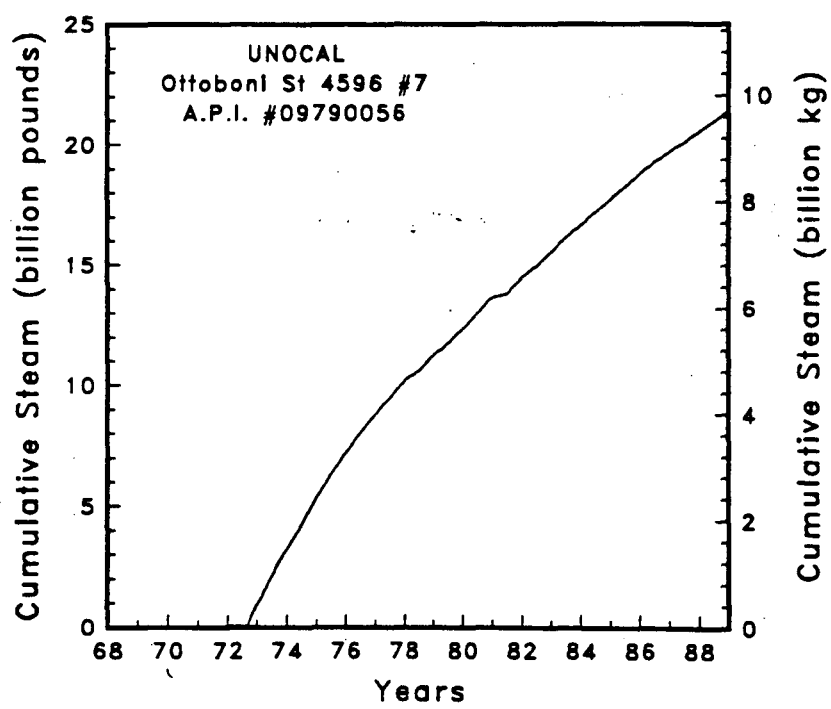
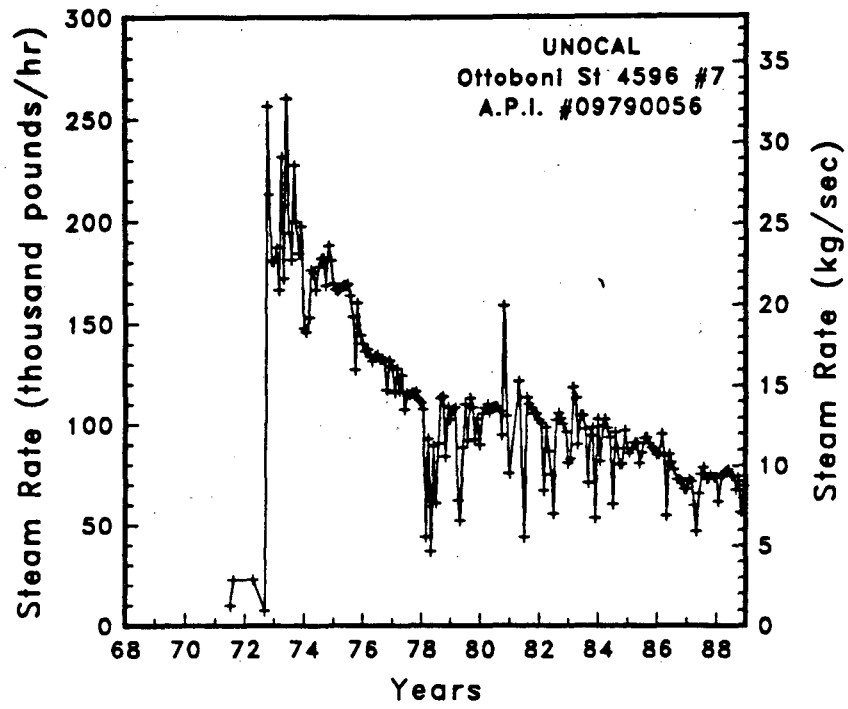


Figure A-166 Steam rate and cumulative mass flow for well Ottoboni St 4596 #7

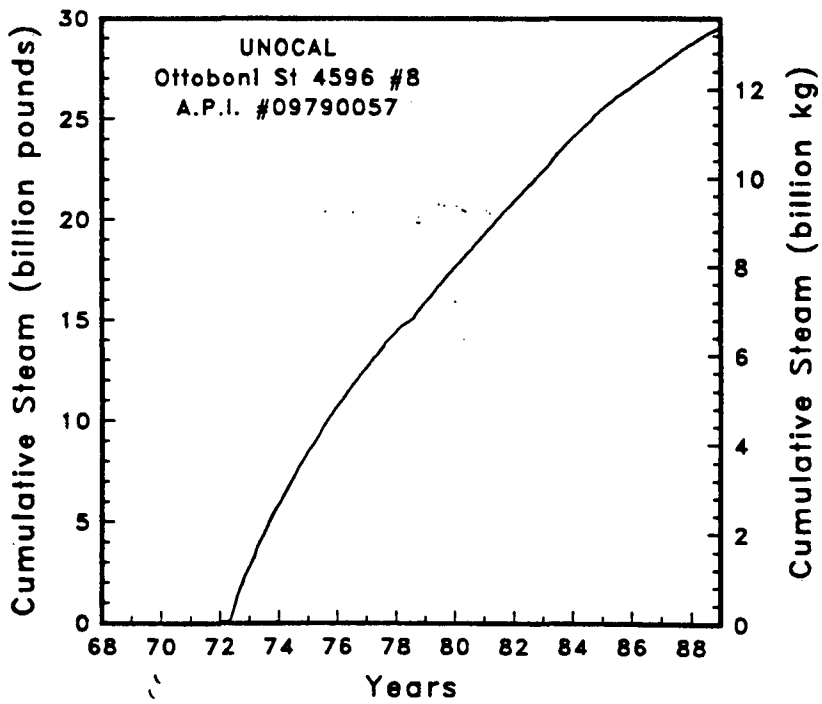
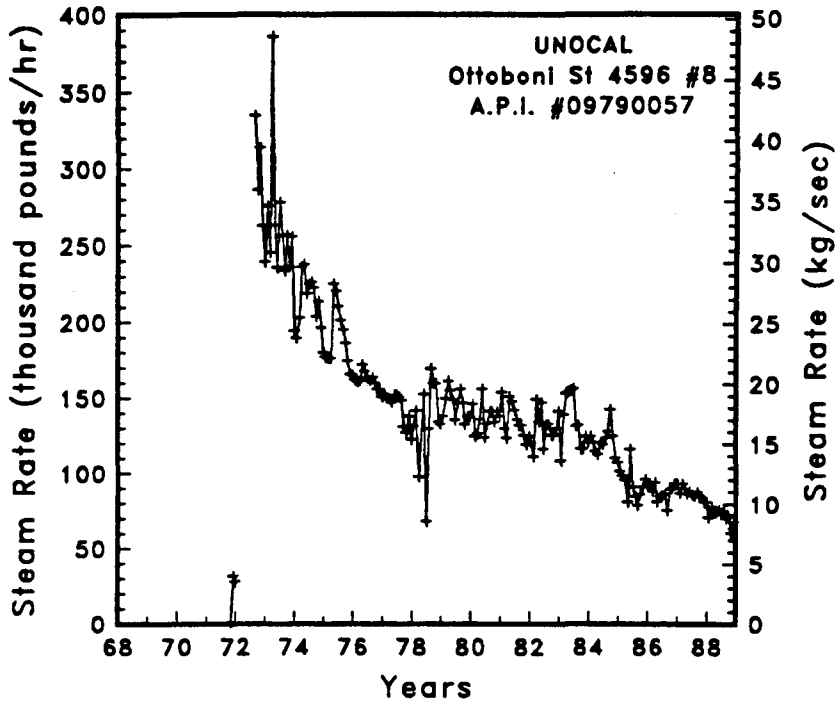


Figure A-167

Steam rate and cumulative mass flow for well Ottoboni St 4596 #8

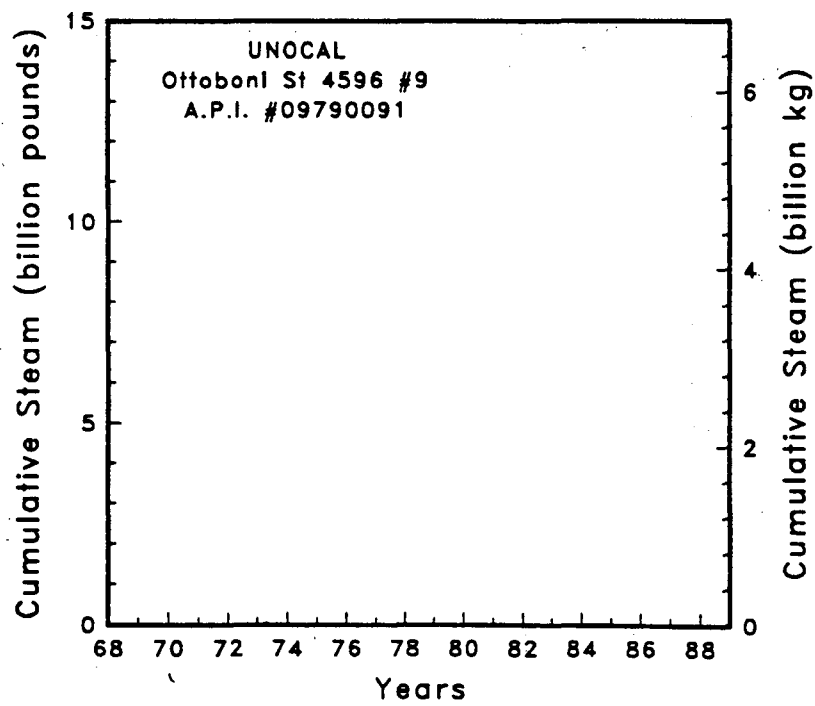
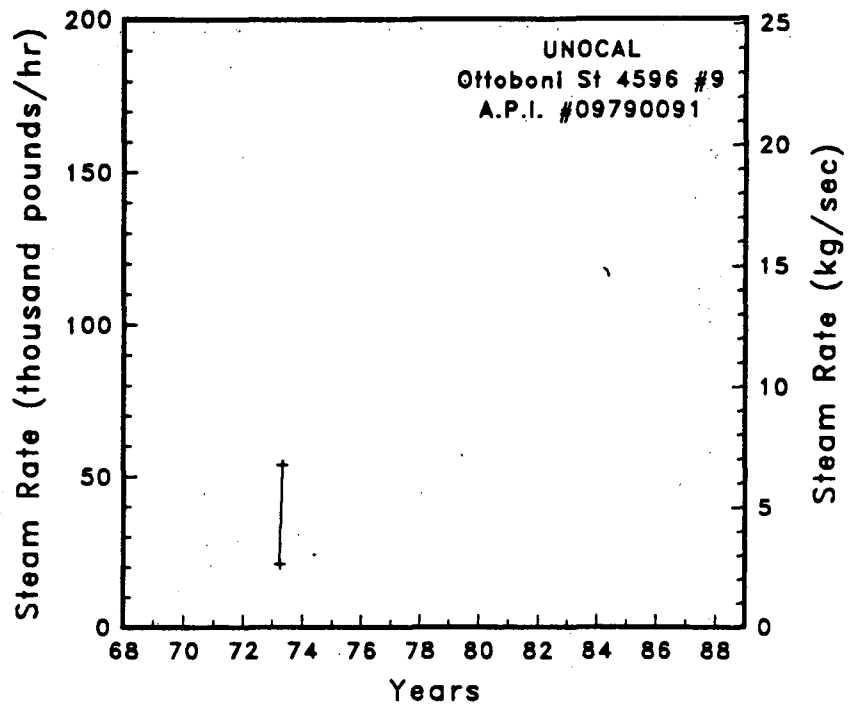


Figure A-168

Steam rate and cumulative mass flow for well Ottoboni St 4596 #9

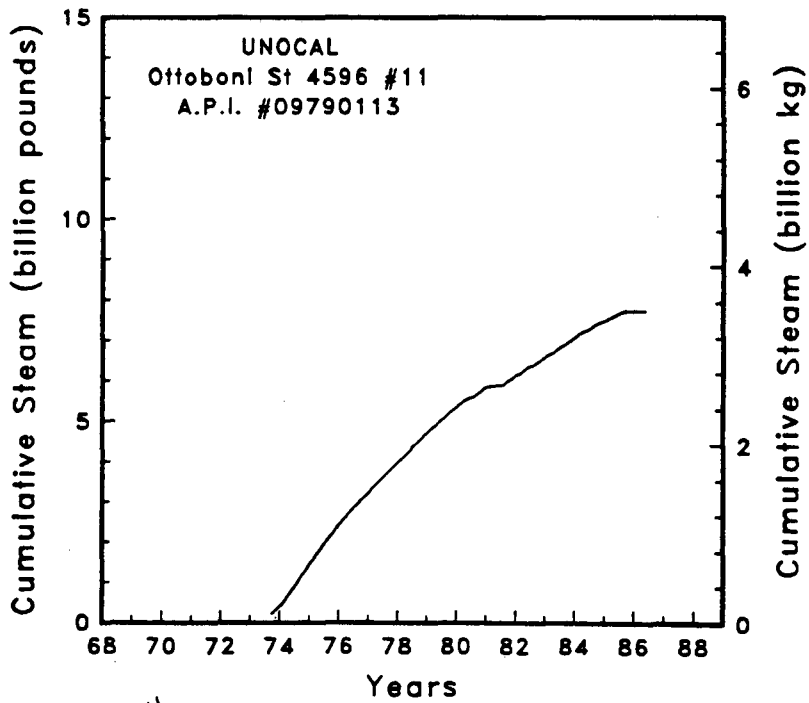
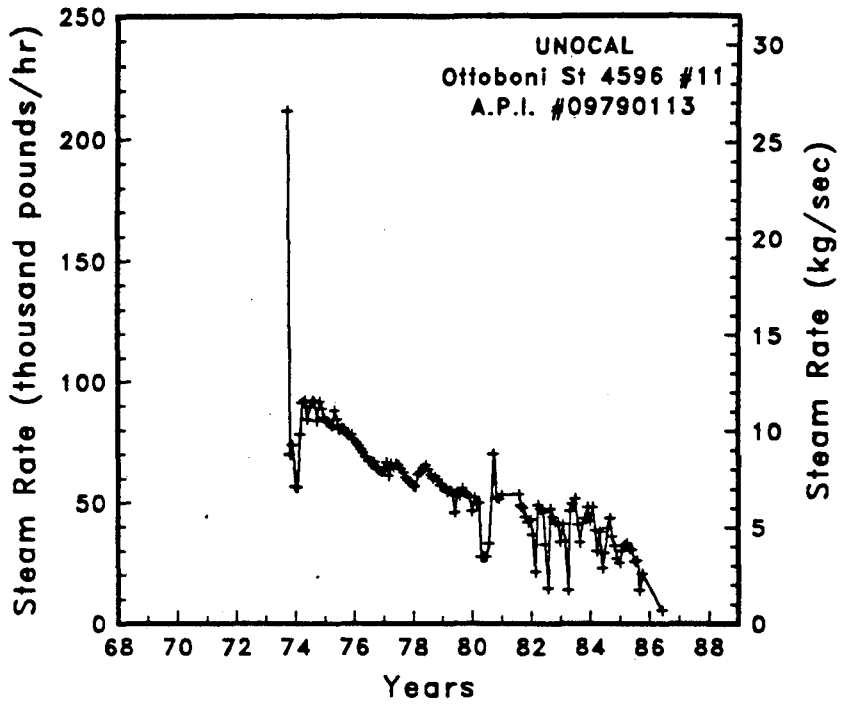


Figure A-169

Steam rate and cumulative mass flow for well Ottoboni St 4596 #11

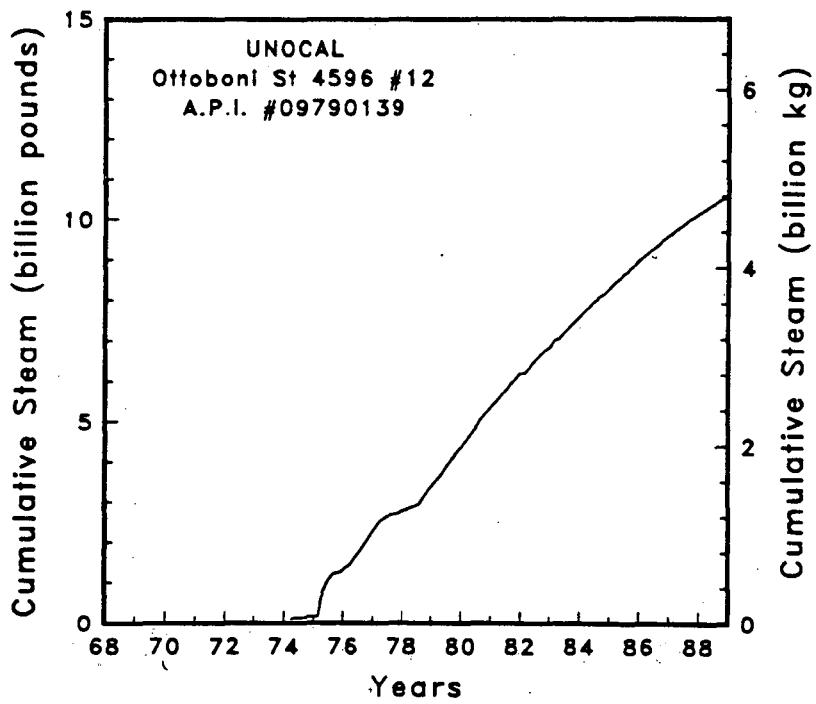
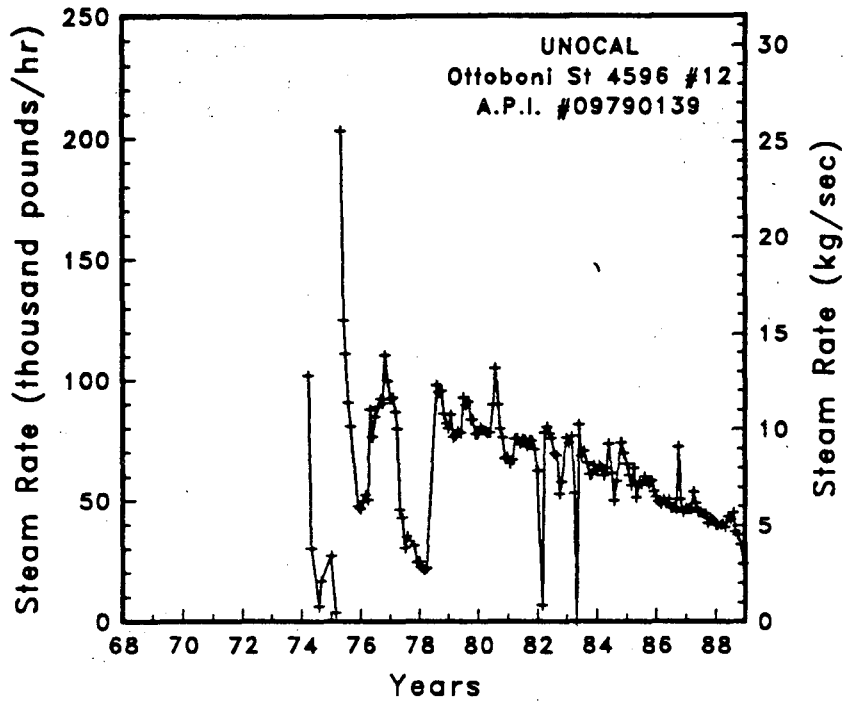


Figure A-170

Steam rate and cumulative mass flow for well Ottoboni St 4596 #12

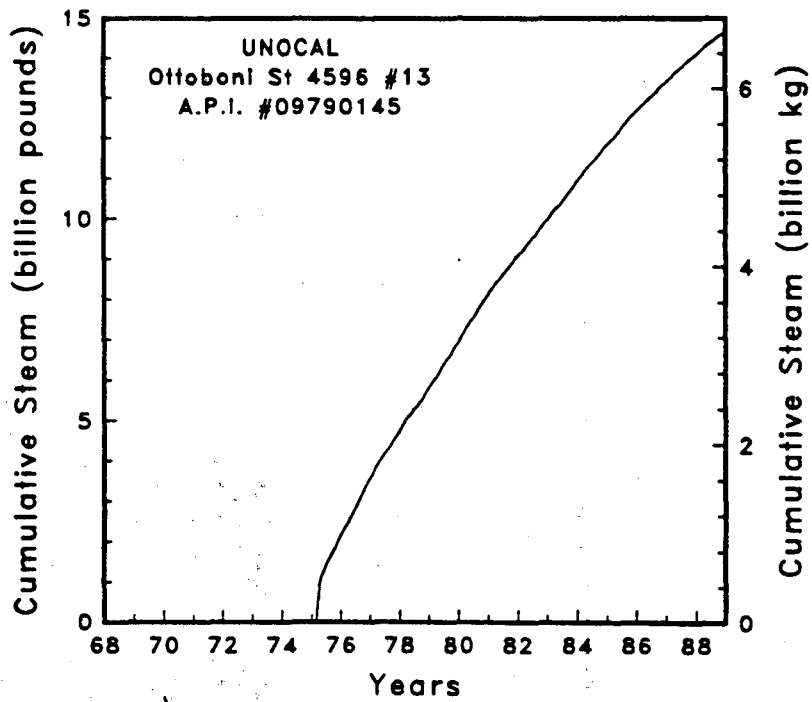
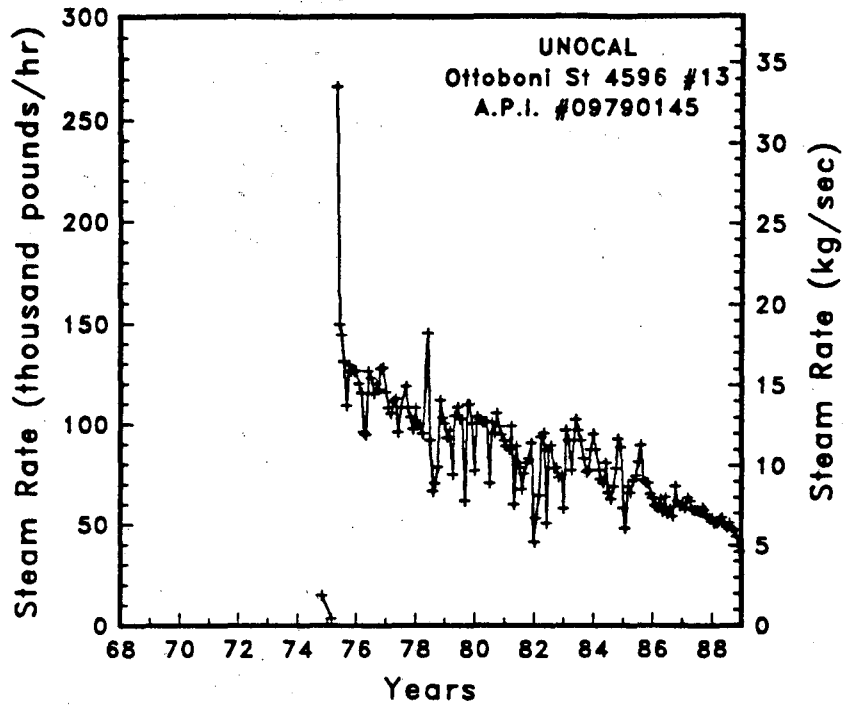


Figure A-171

Steam rate and cumulative mass flow for well Ottoboni St 4596 #13



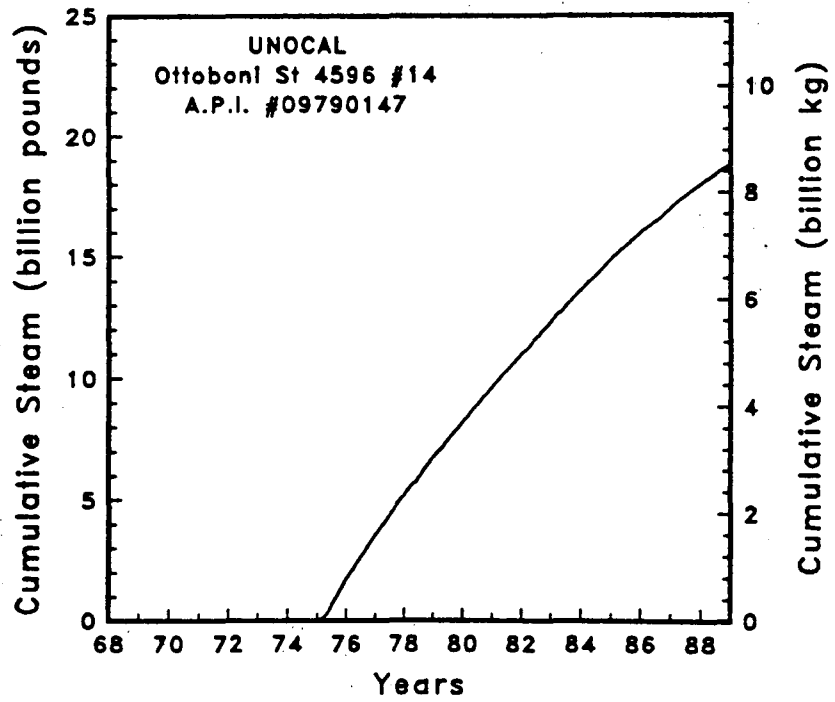
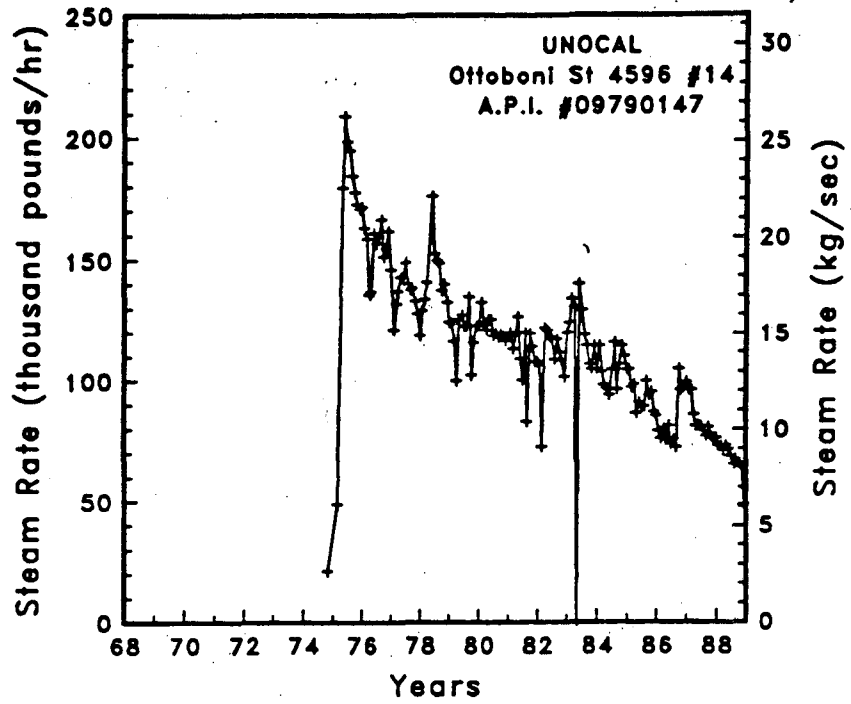


Figure A-172

Steam rate and cumulative mass flow for well Ottoboni St 4596 #14

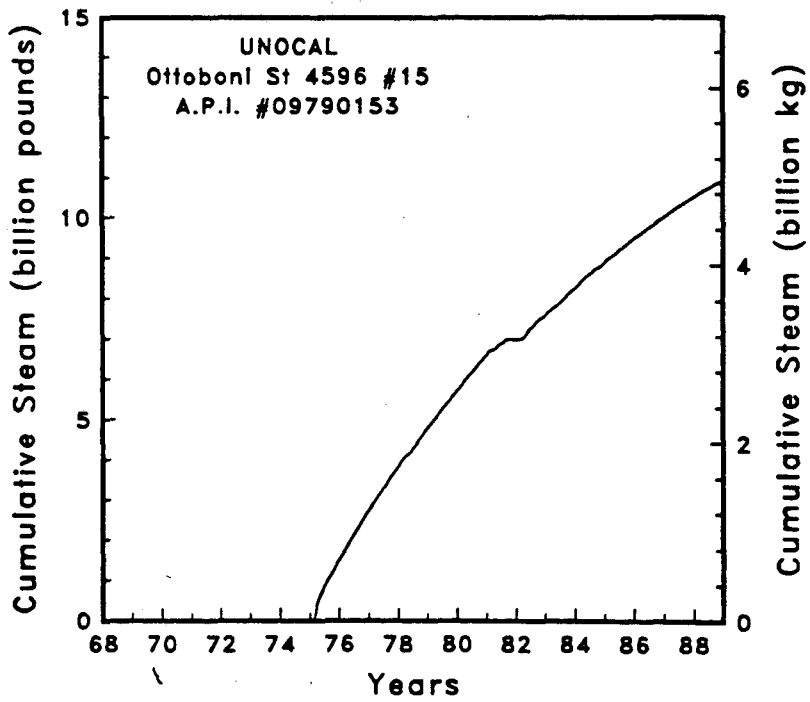
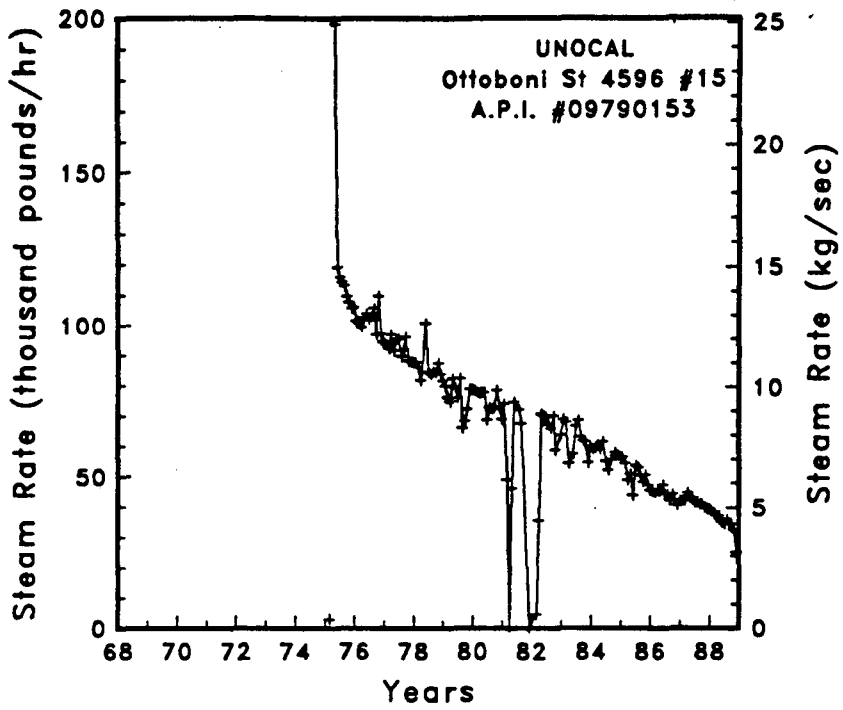


Figure A-173

Steam rate and cumulative mass flow for well Ottoboni St 4596 #15

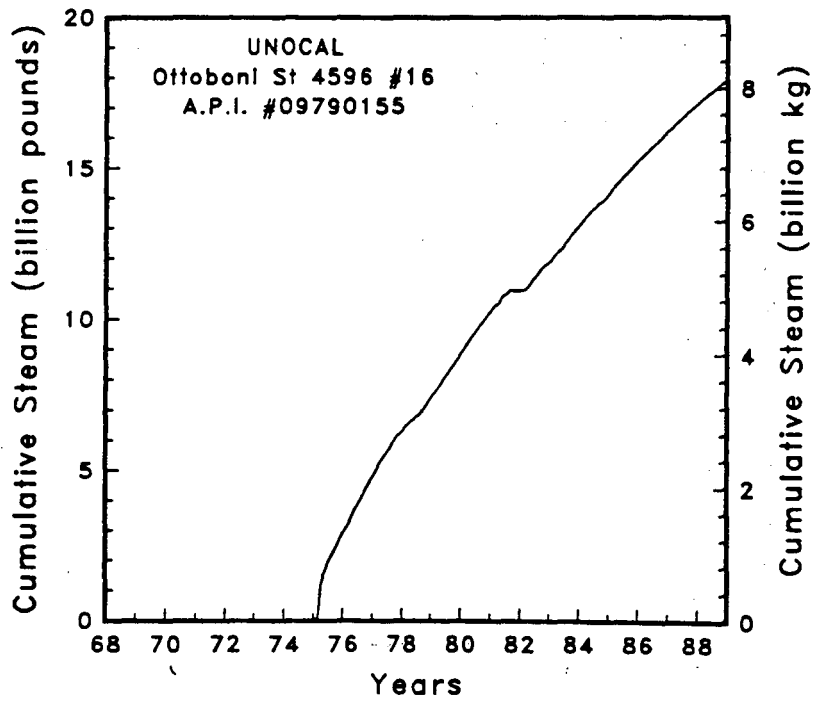
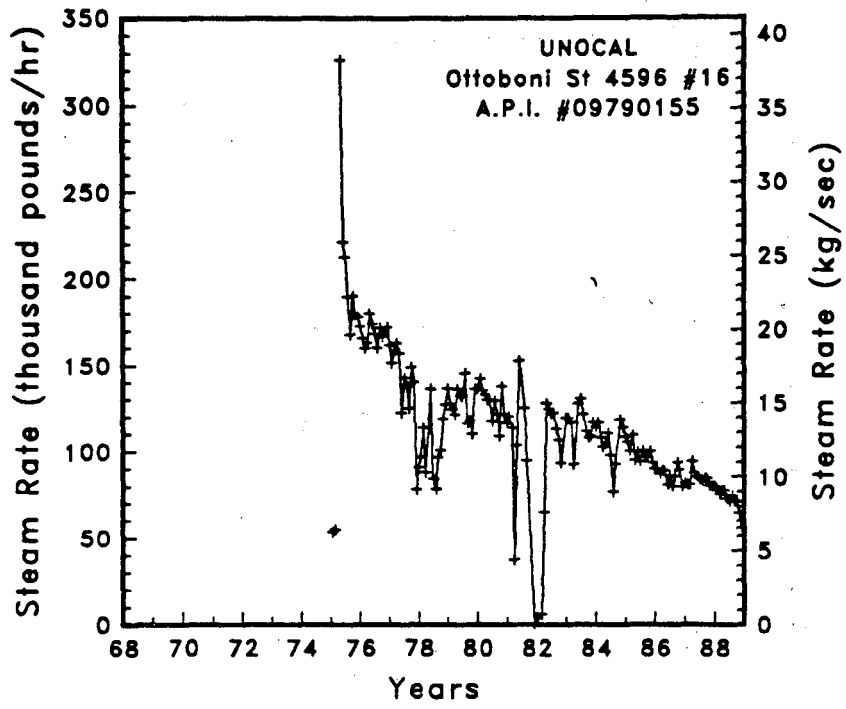


Figure A-174 Steam rate and cumulative mass flow for well Ottoboni St 4596 #16

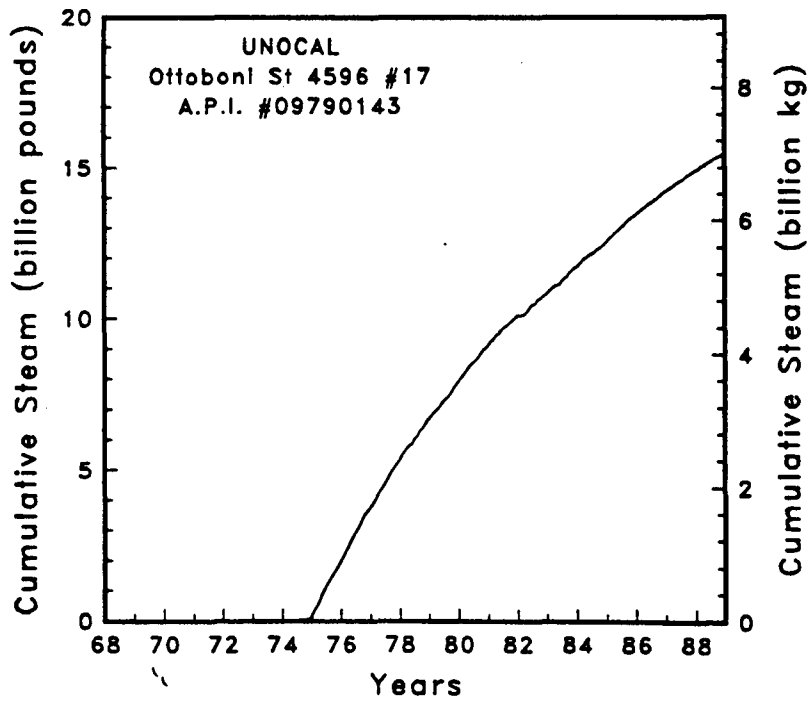
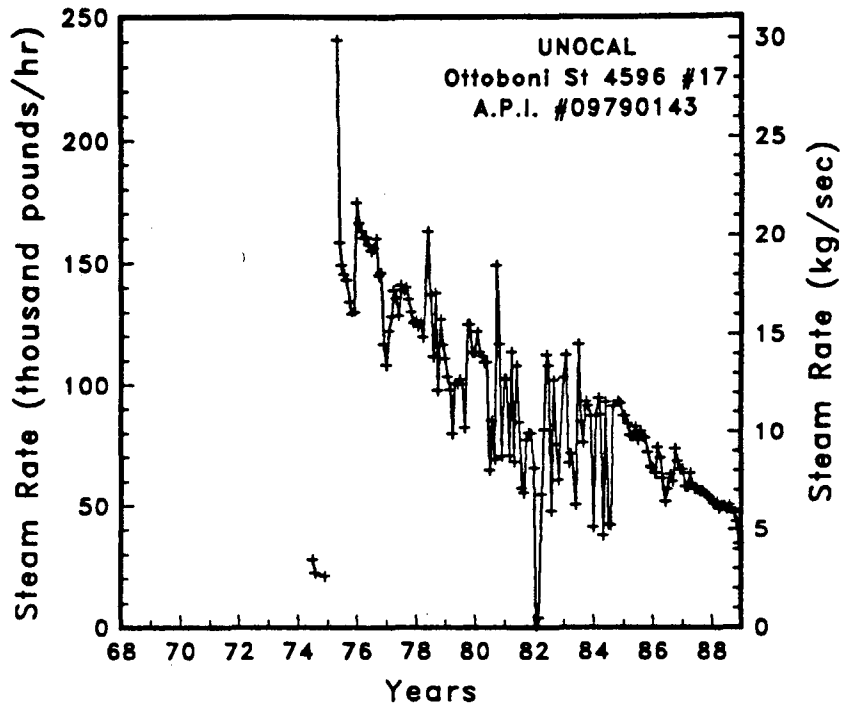


Figure A-175

Steam rate and cumulative mass flow for well Ottoboni St 4596 #17

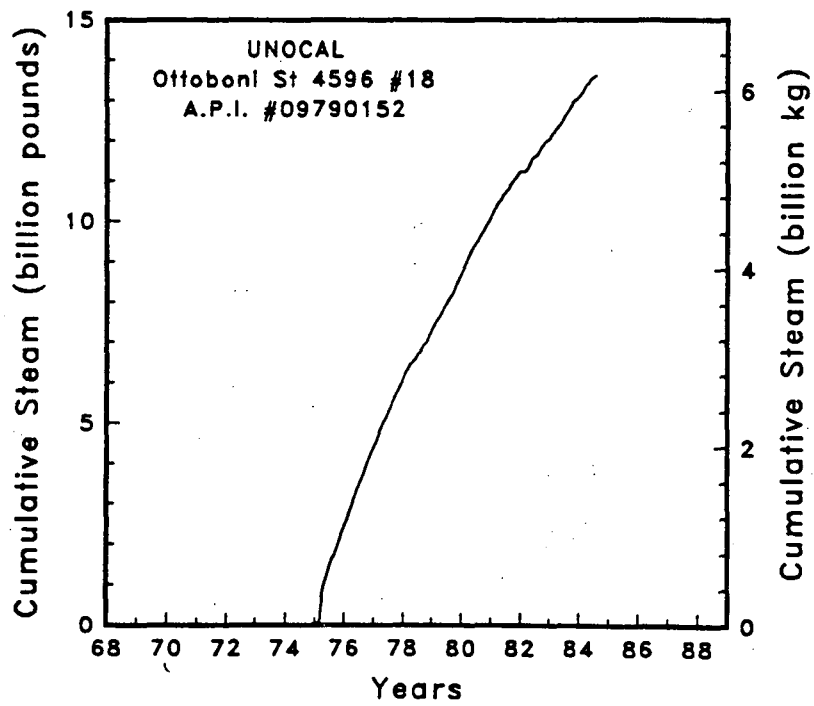
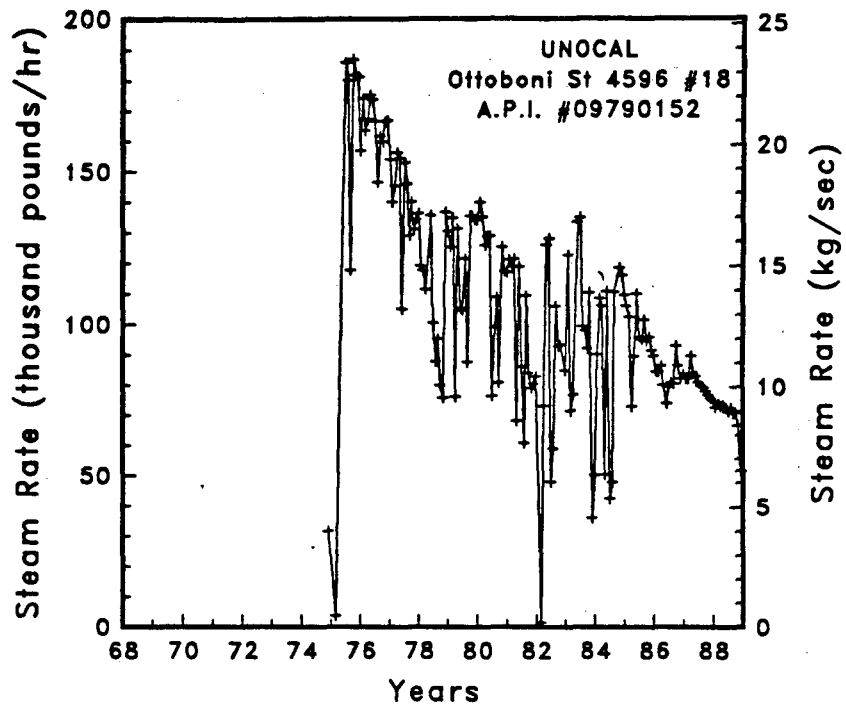


Figure A-176

Steam rate and cumulative mass flow for well Ottoboni St 4596 #18

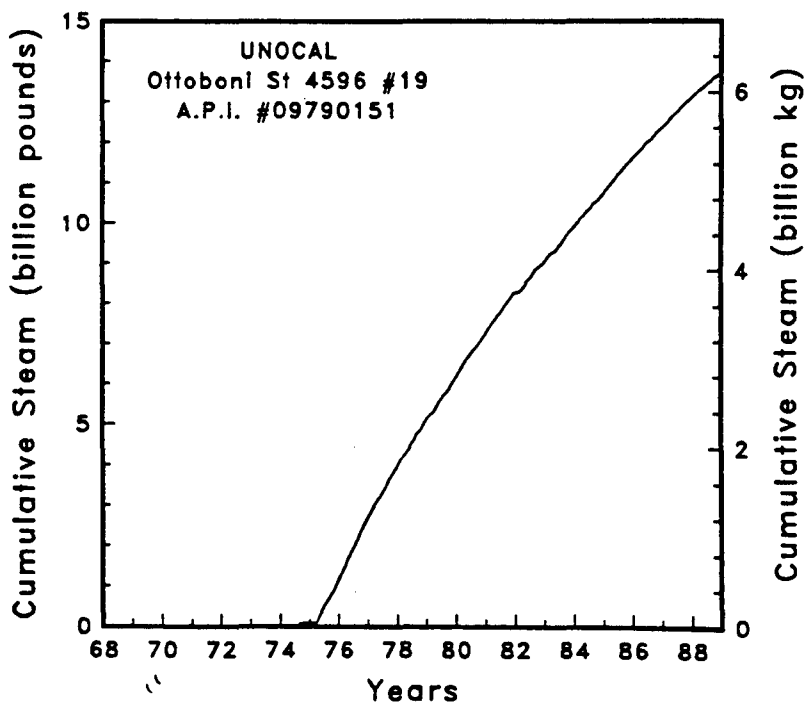
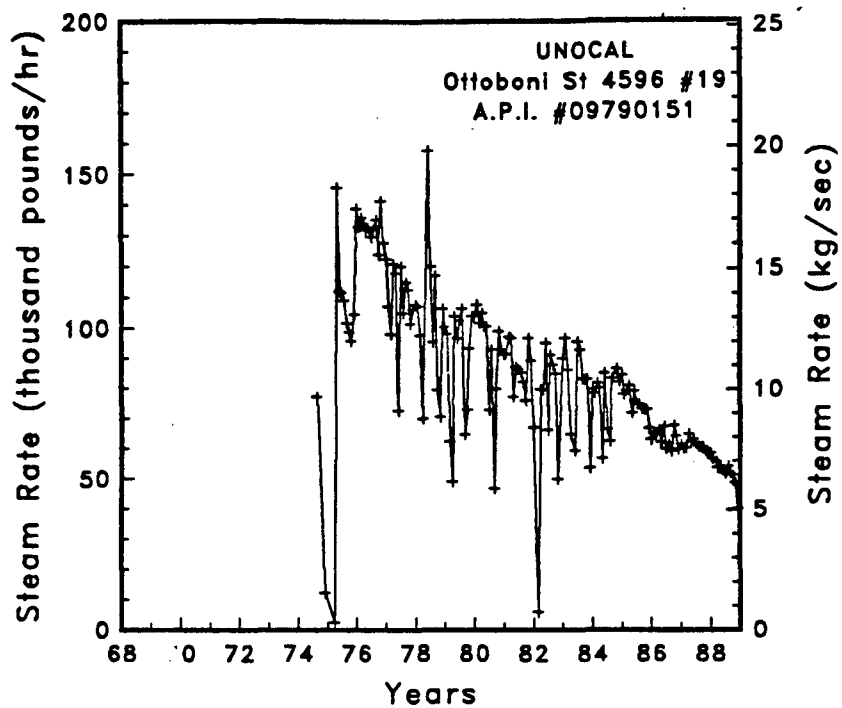


Figure A-177

Steam rate and cumulative mass flow for well Ottoboni St 4596 #19

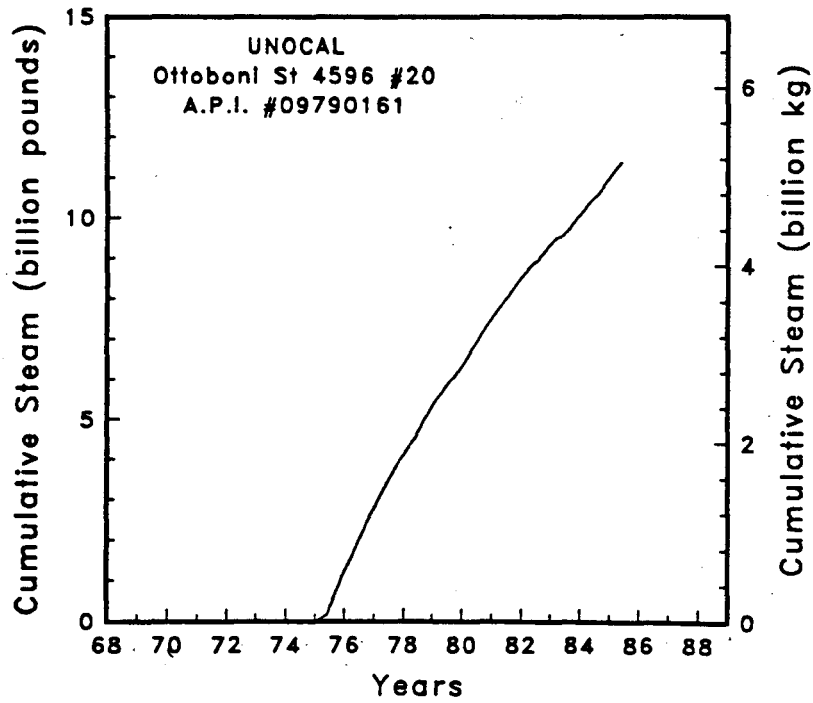
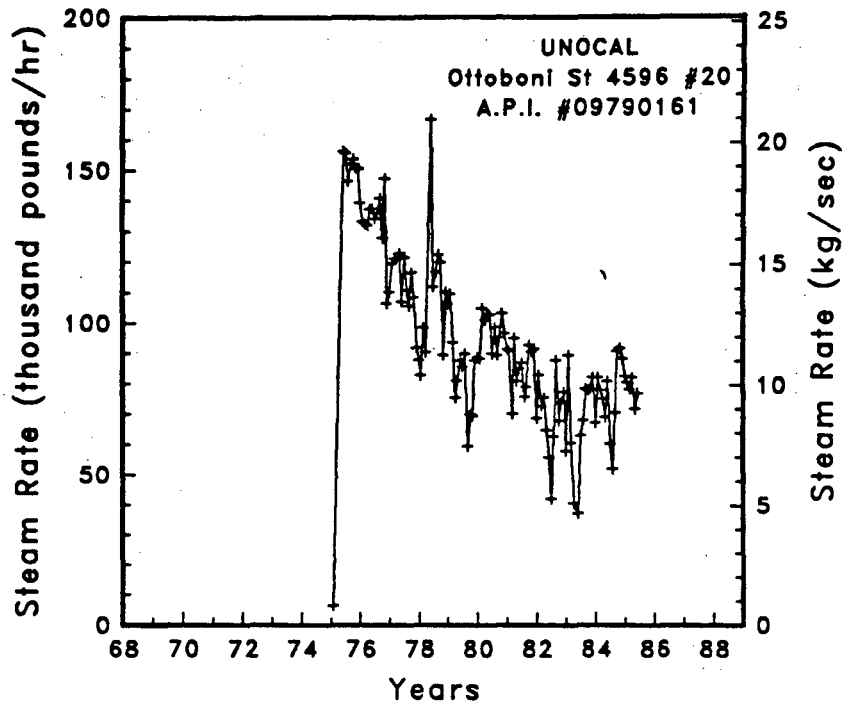


Figure A-178

Steam rate and cumulative mass flow for well Ottoboni St 4596 #20

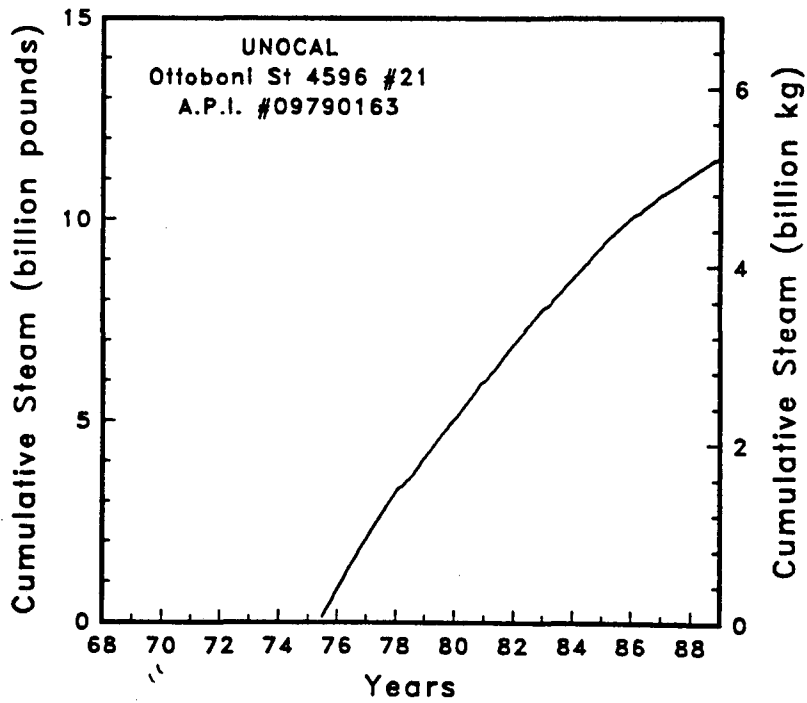
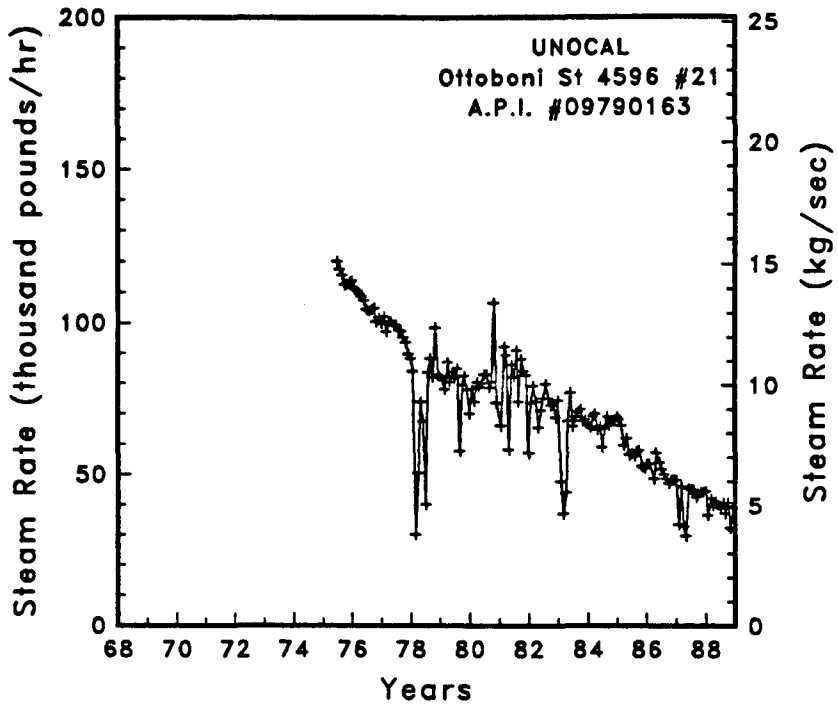


Figure A-179 Steam rate and cumulative mass flow for well Ottoboni St 4596 #21



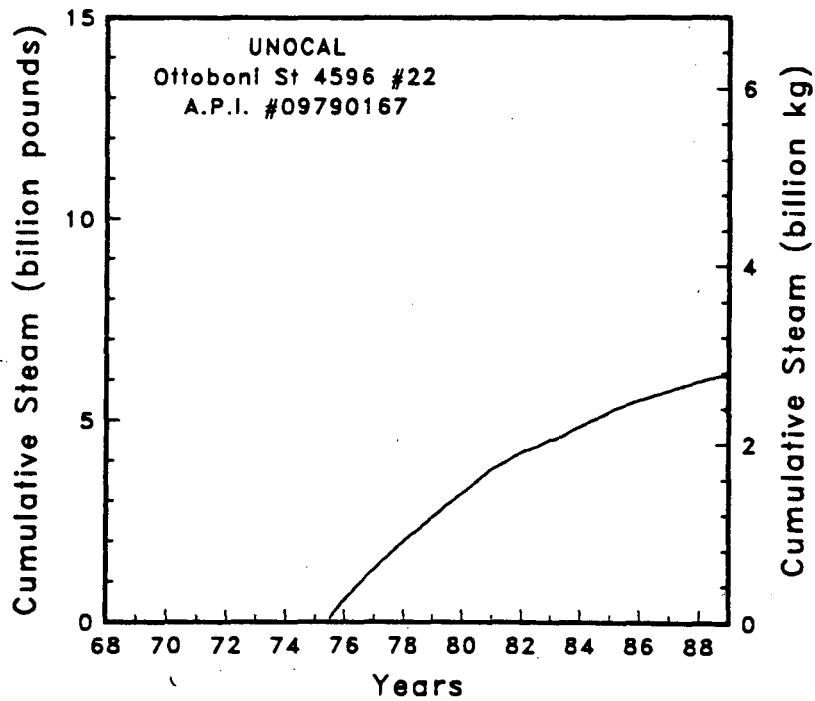
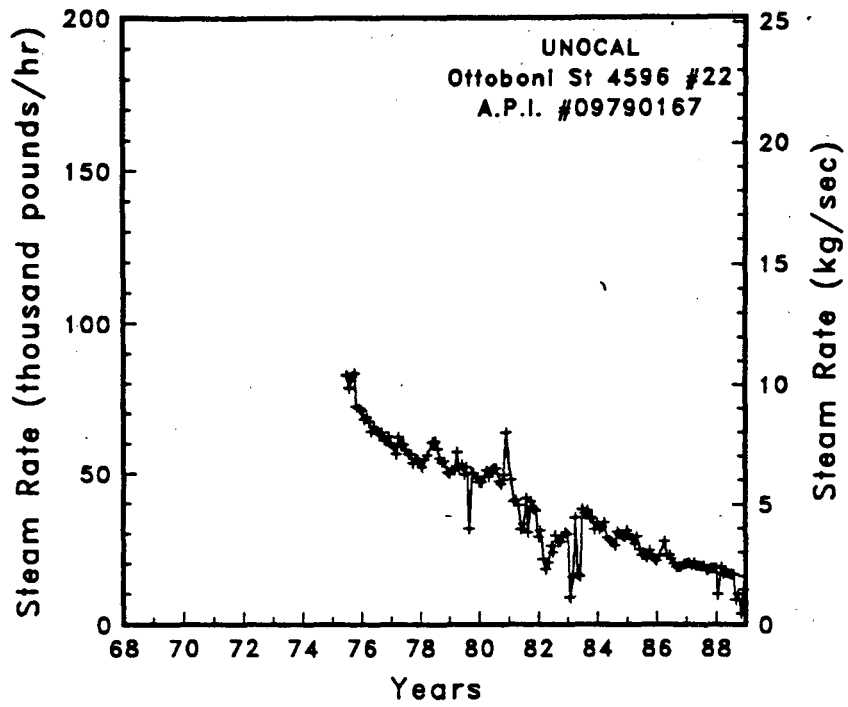


Figure A-180

Steam rate and cumulative mass flow for well Ottoboni St 4596 #22

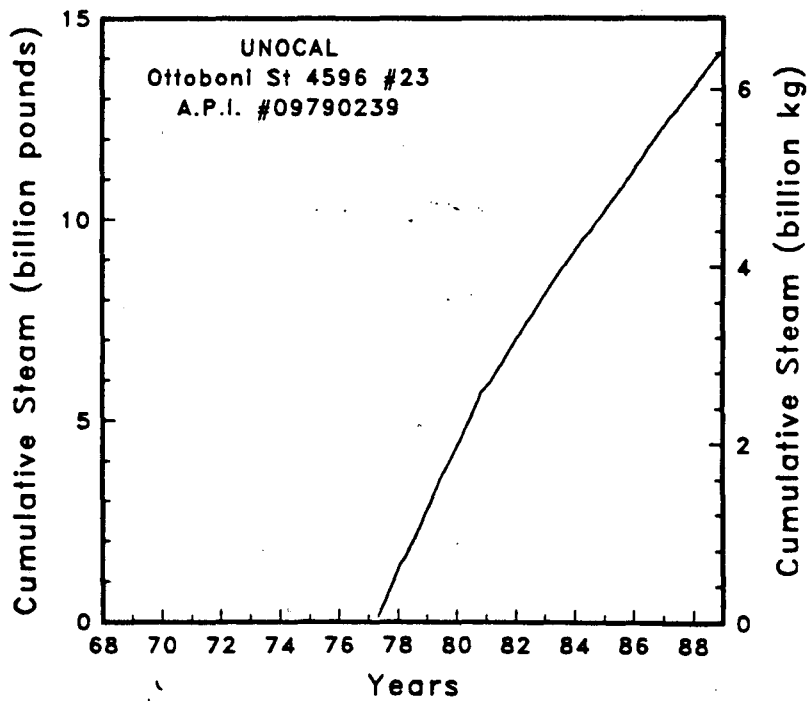
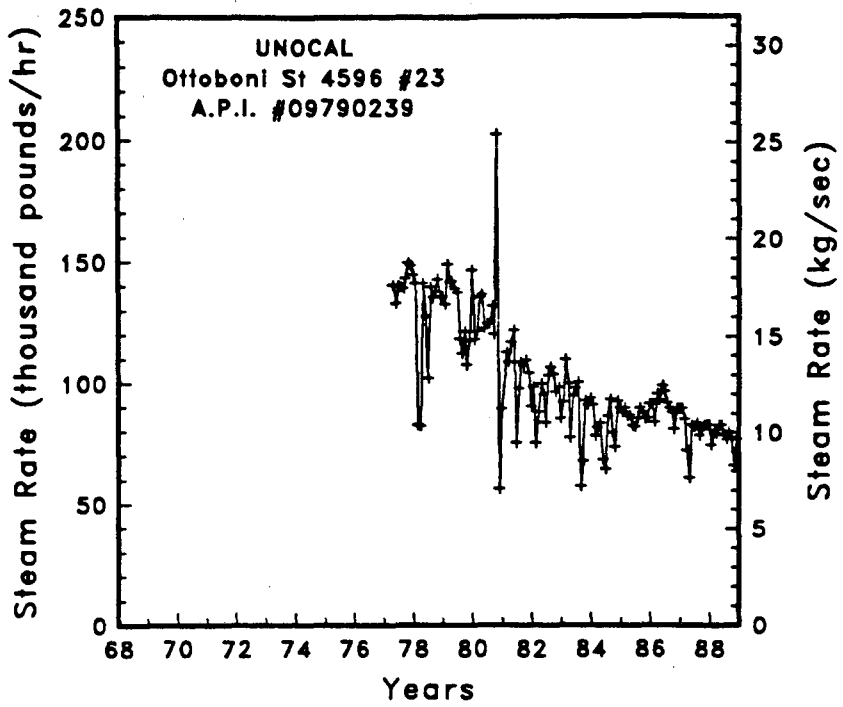


Figure A-181 Steam rate and cumulative mass flow for well Ottoboni St 4596 #23

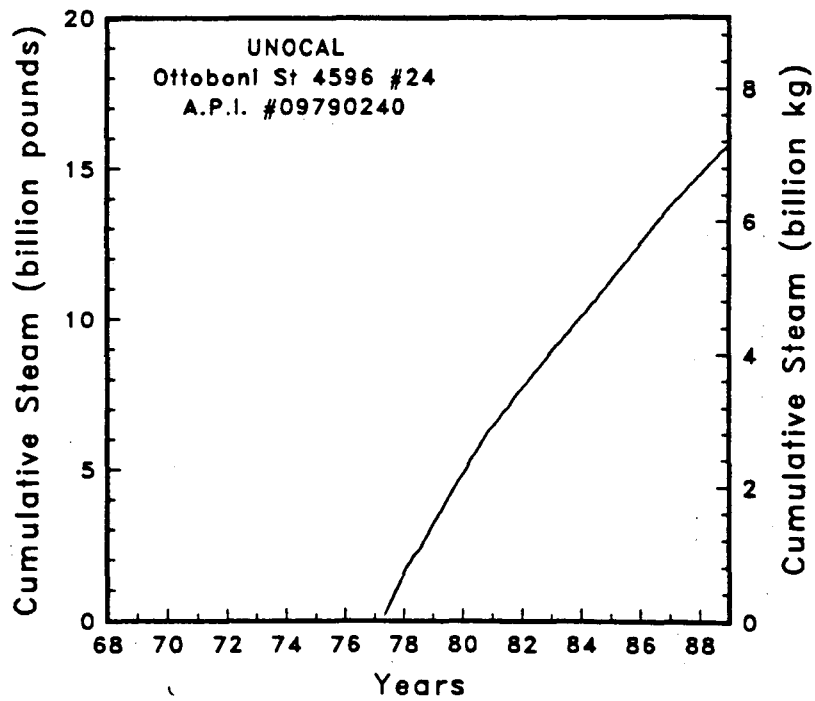
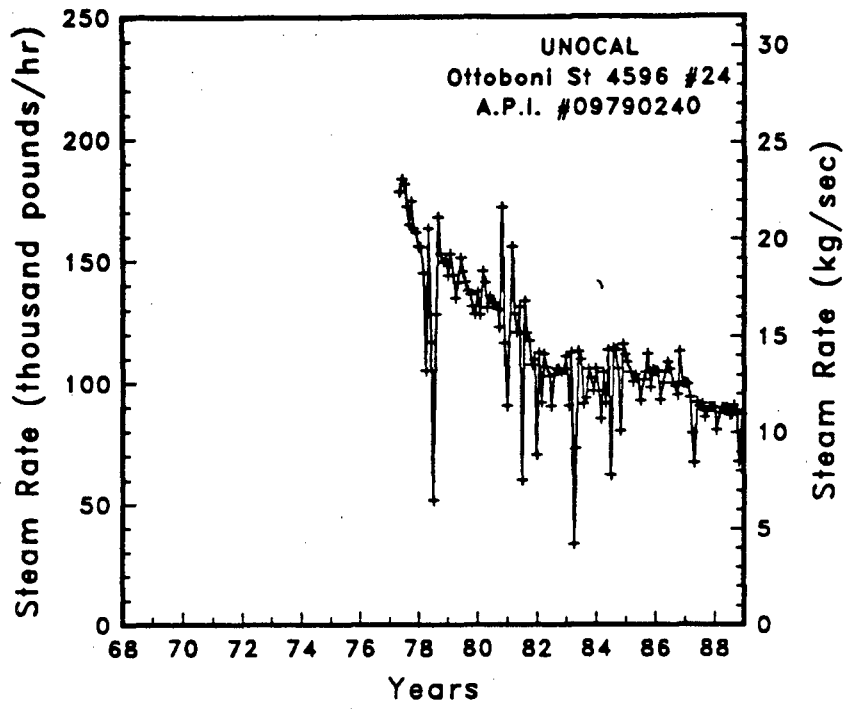


Figure A-182

Steam rate and cumulative mass flow for well Ottoboni St 4596 #24

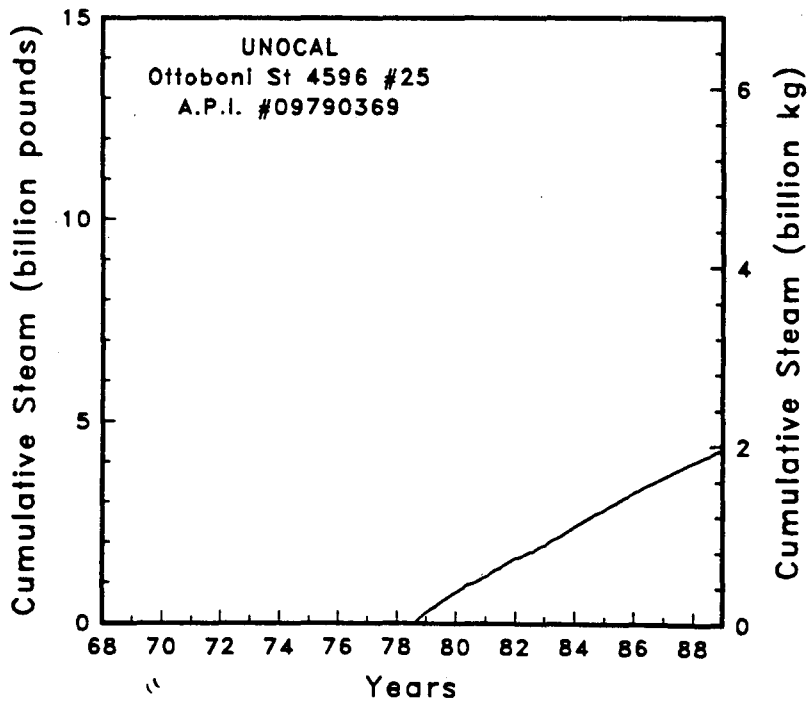
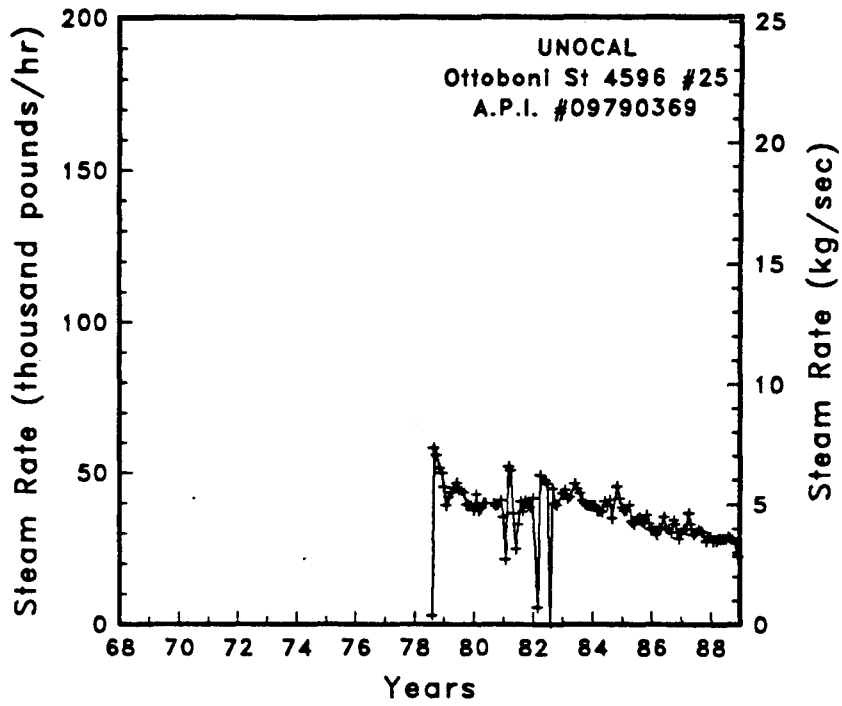


Figure A-183

Steam rate and cumulative mass flow for well Ottoboni St 4596 #25

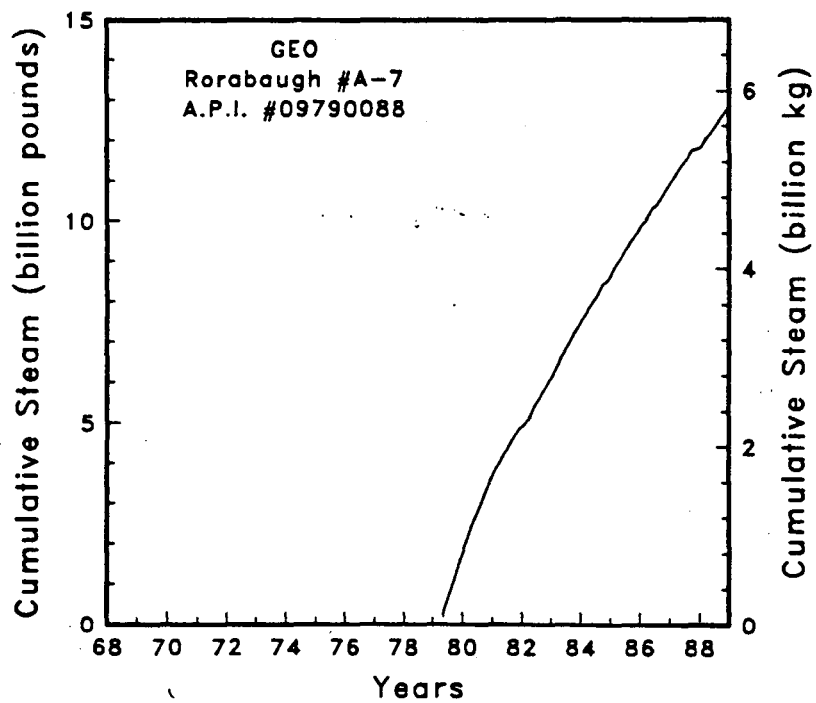
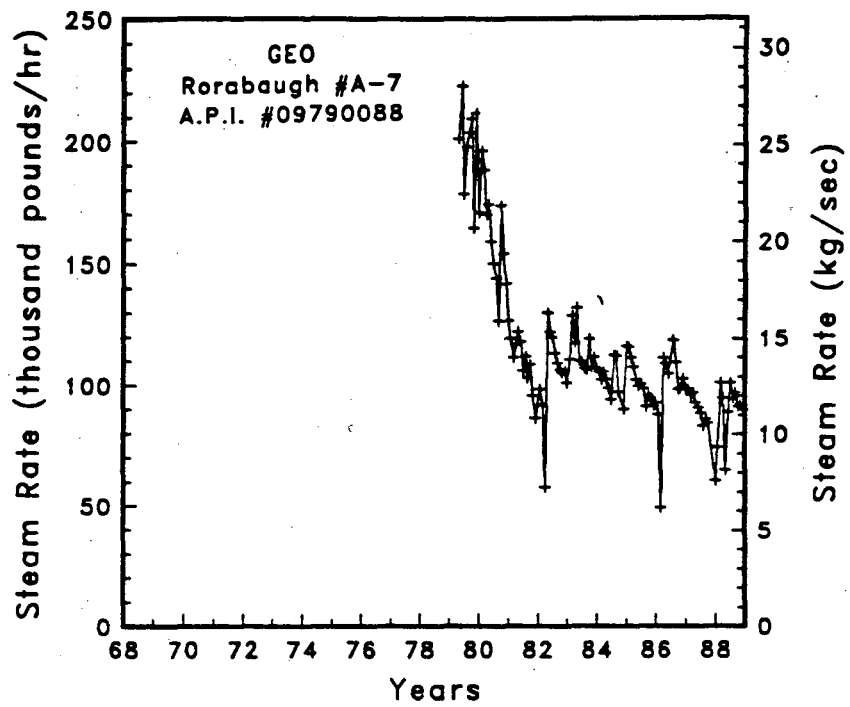


Figure A-184

Steam rate and cumulative mass flow for well Rorabaugh #A-7

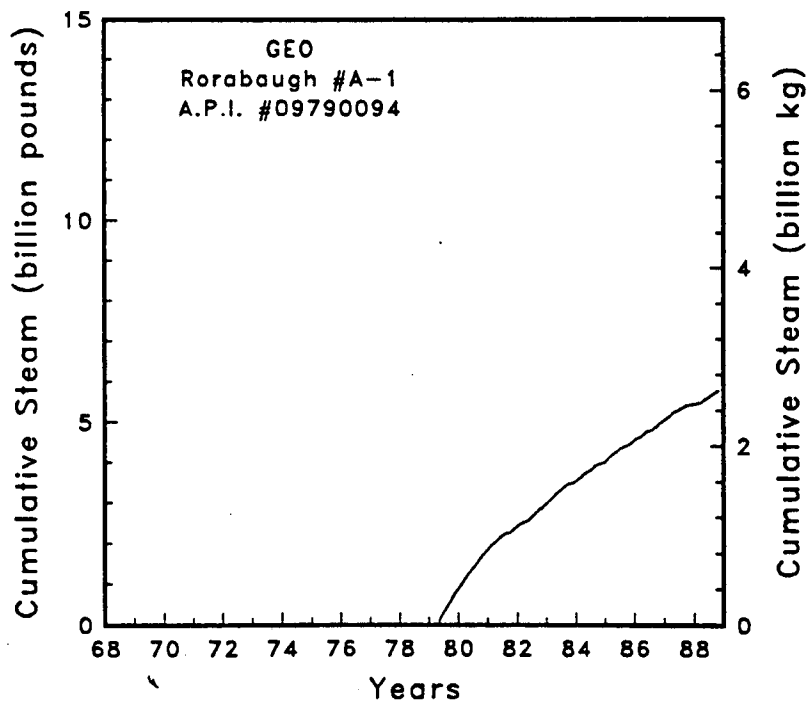
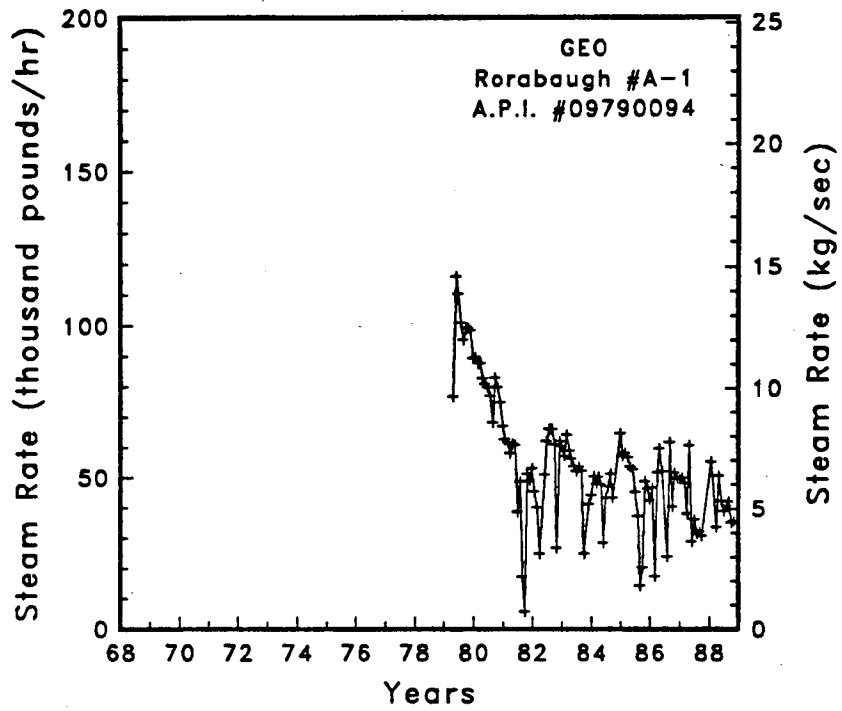


Figure A-185

Steam rate and cumulative mass flow for well Rorabaugh #A-1

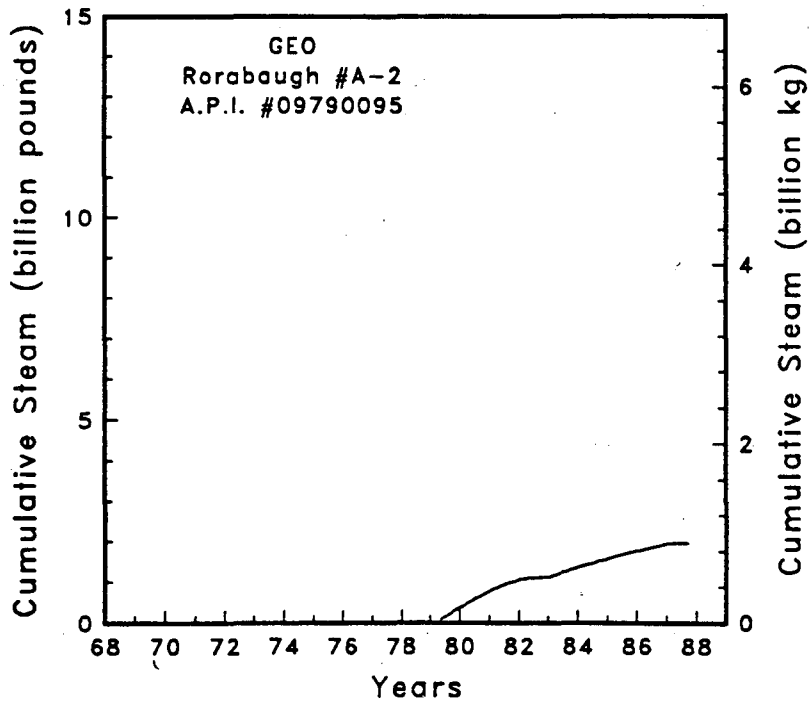
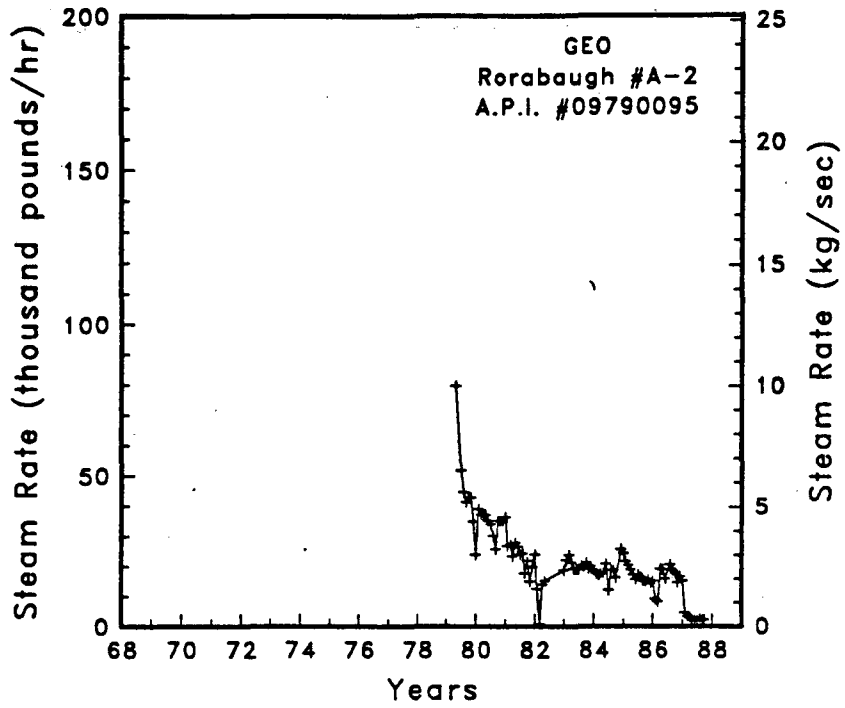


Figure A-186

Steam rate and cumulative mass flow for well Rorabaugh #A-2

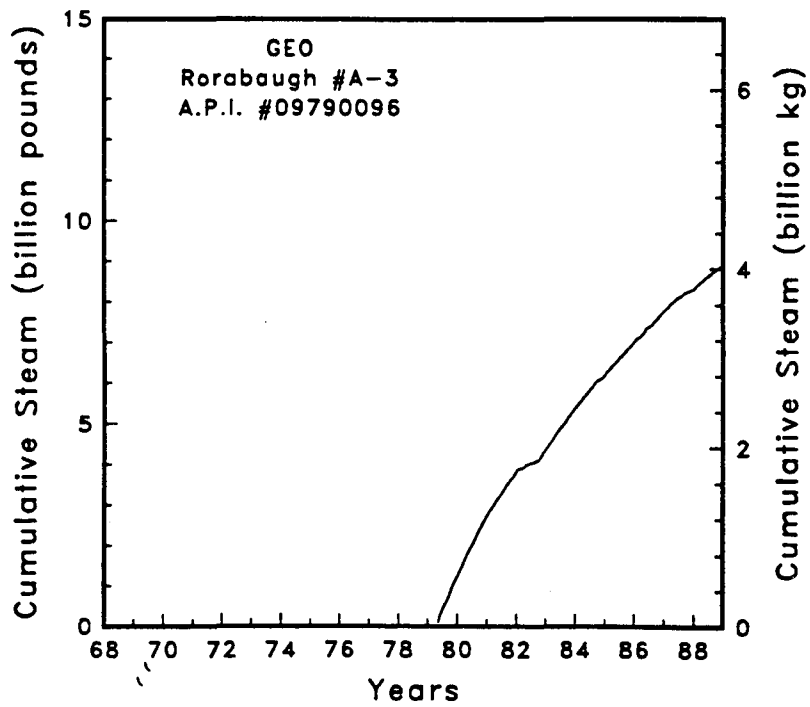
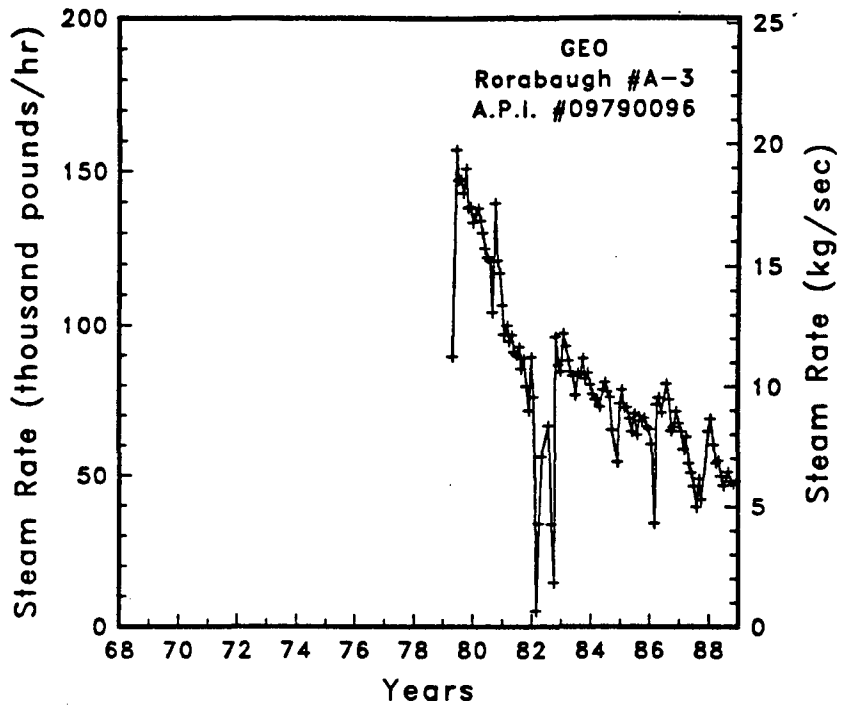


Figure A-187 Steam rate and cumulative mass flow for well Rorabaugh #A-3



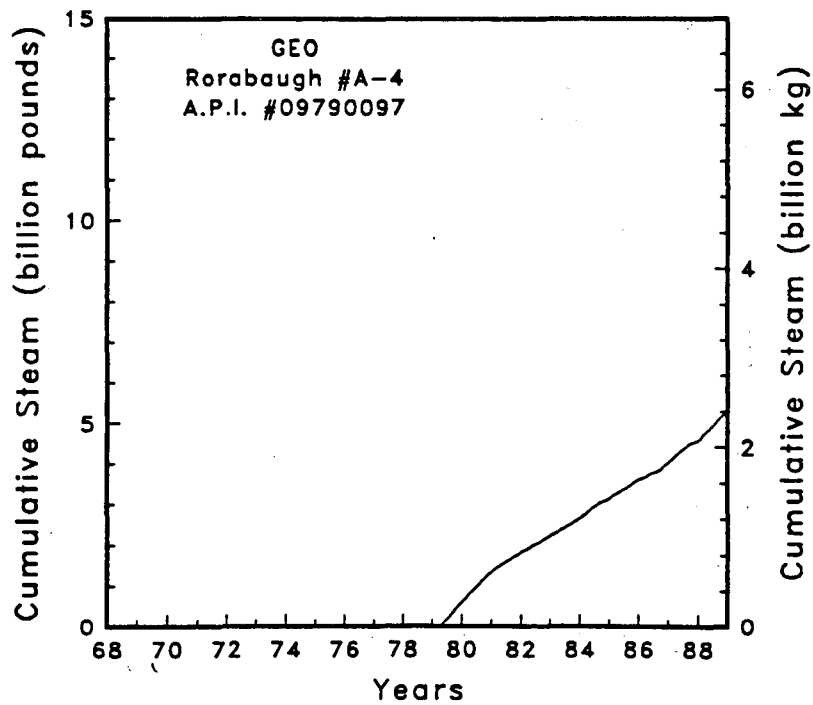
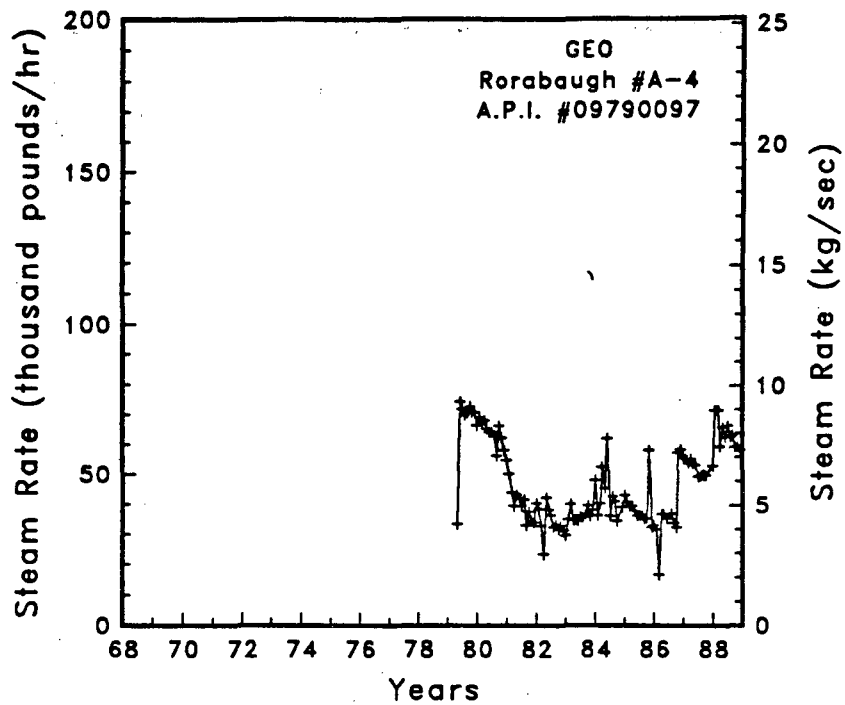


Figure A-188

Steam rate and cumulative mass flow for well Rorabaugh #A-4

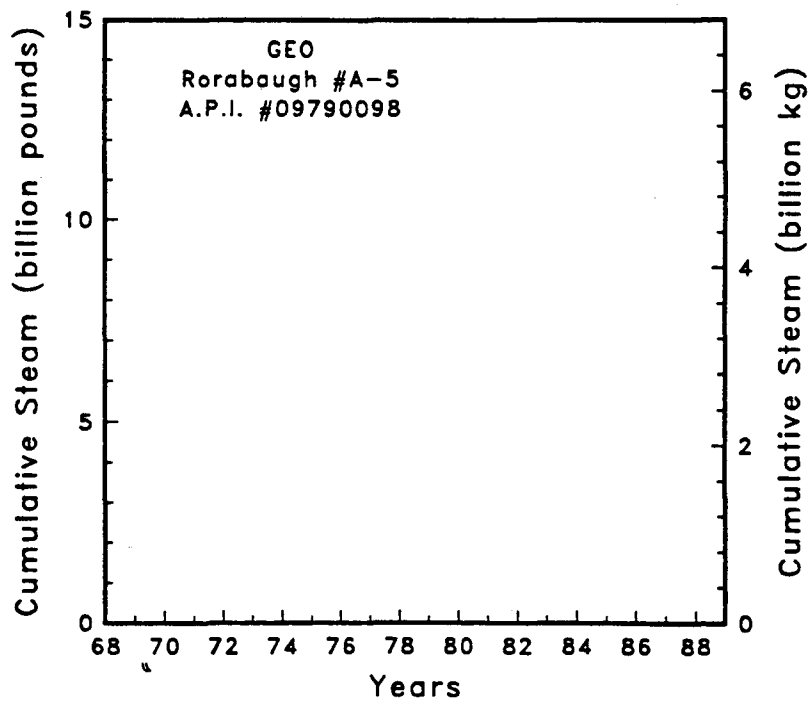
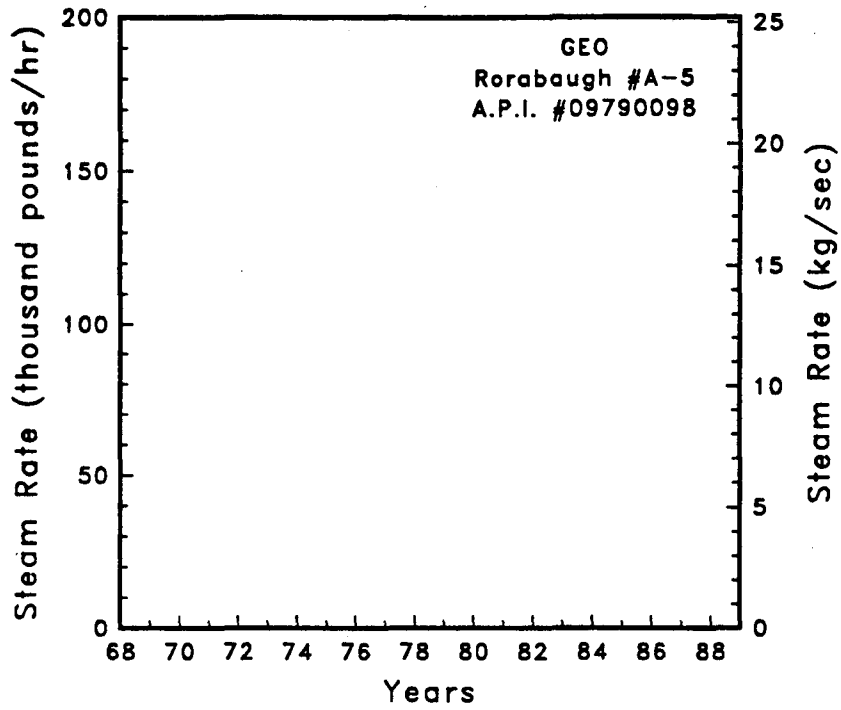


Figure A-189

Steam rate and cumulative mass flow for well Rorabaugh #A-5

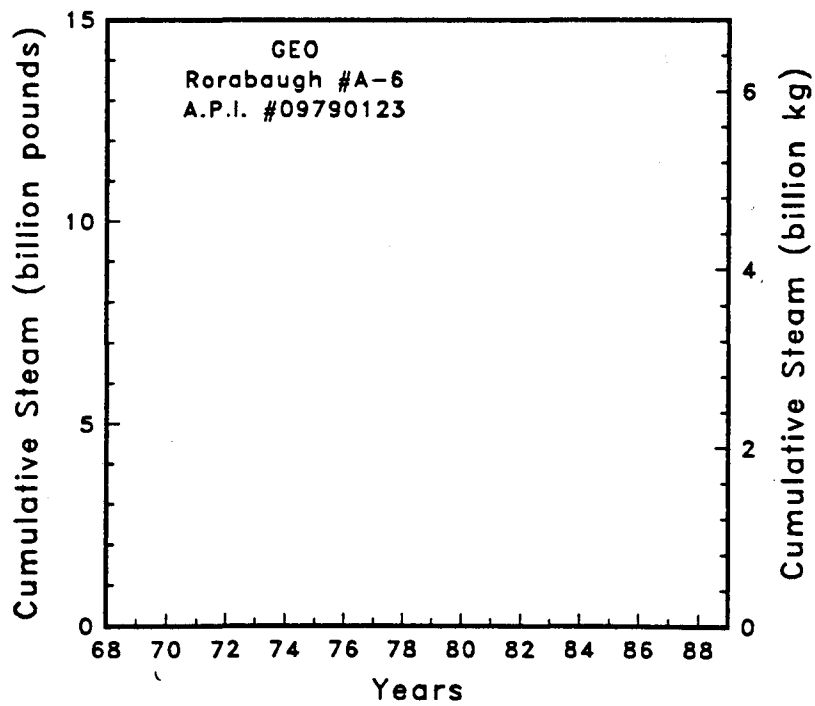
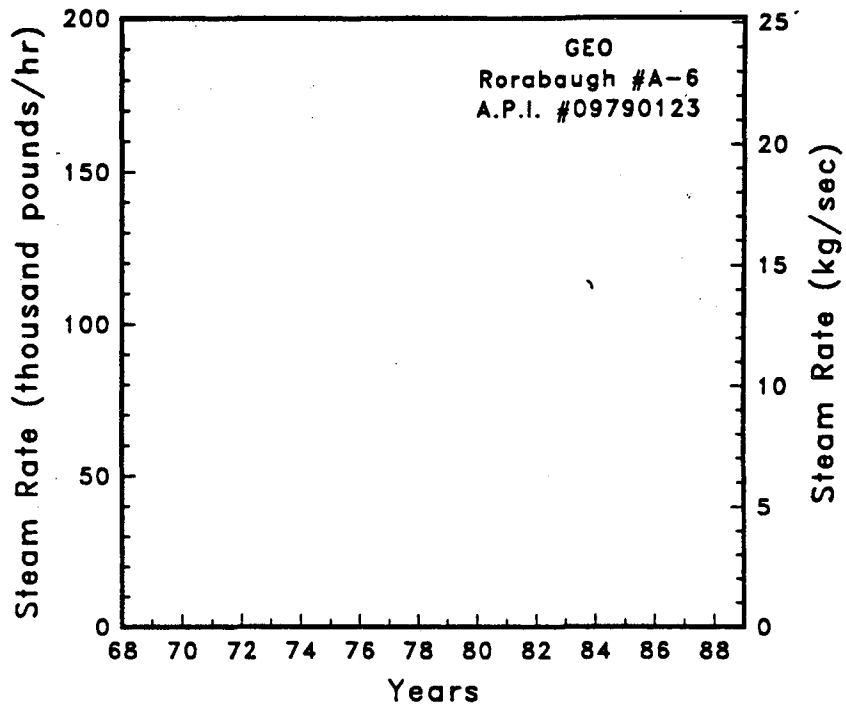


Figure A-190

Steam rate and cumulative mass flow for well Rorabaugh #A-6

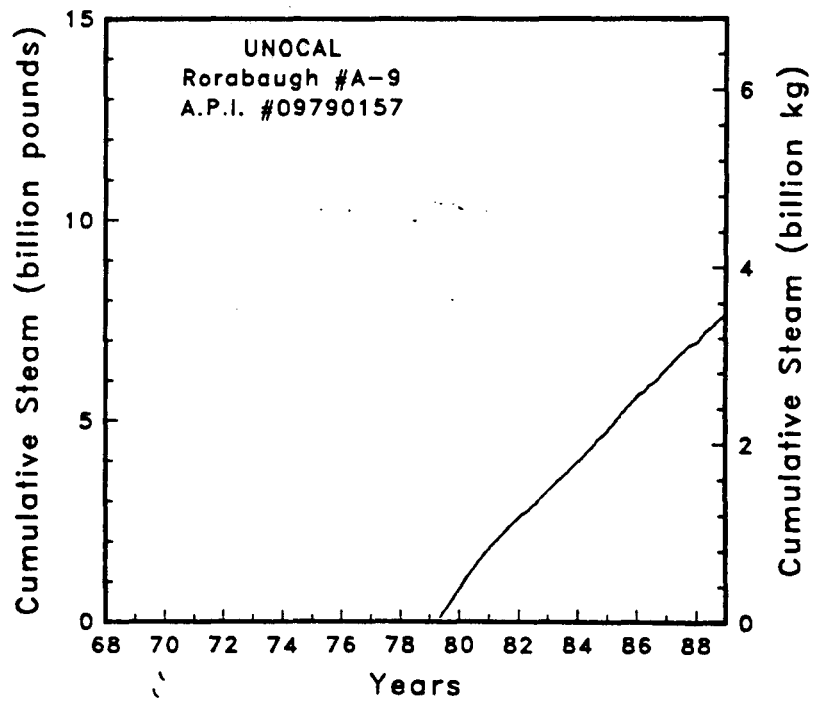
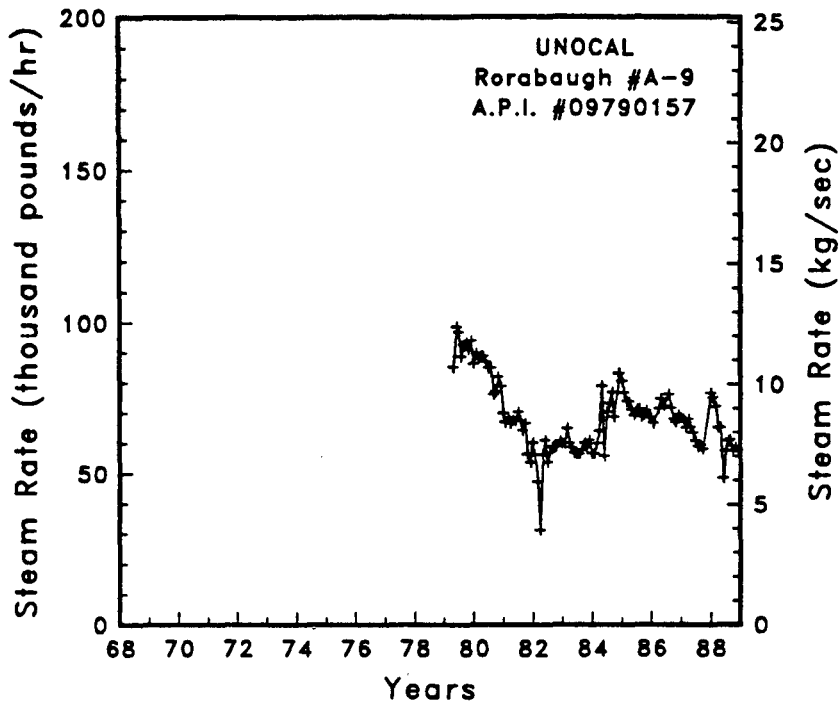


Figure A-191

Steam rate and cumulative mass flow for well Rorabaugh #A-9

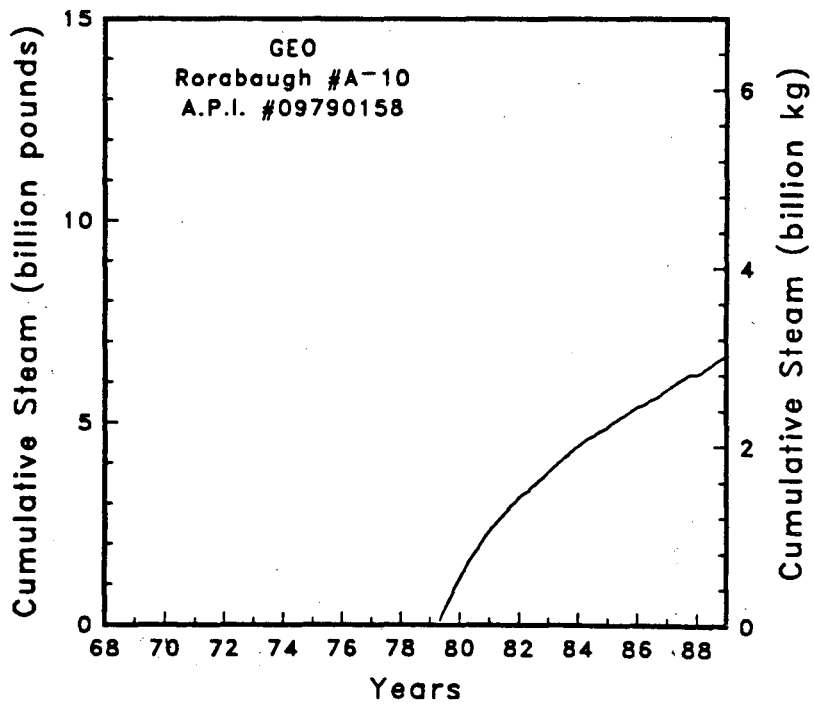
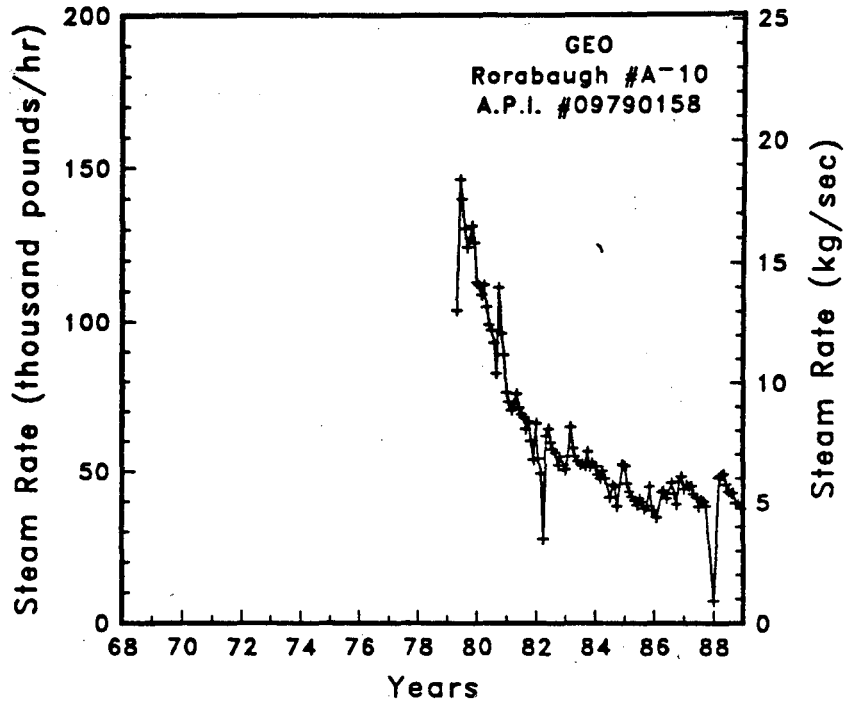


Figure A-192

Steam rate and cumulative mass flow for well Rorabaugh #A-10

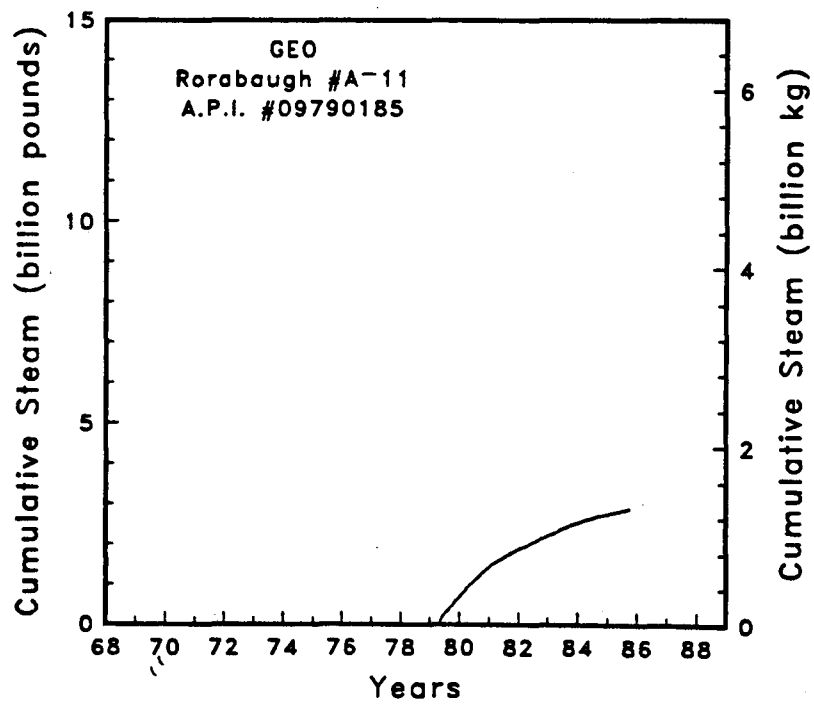
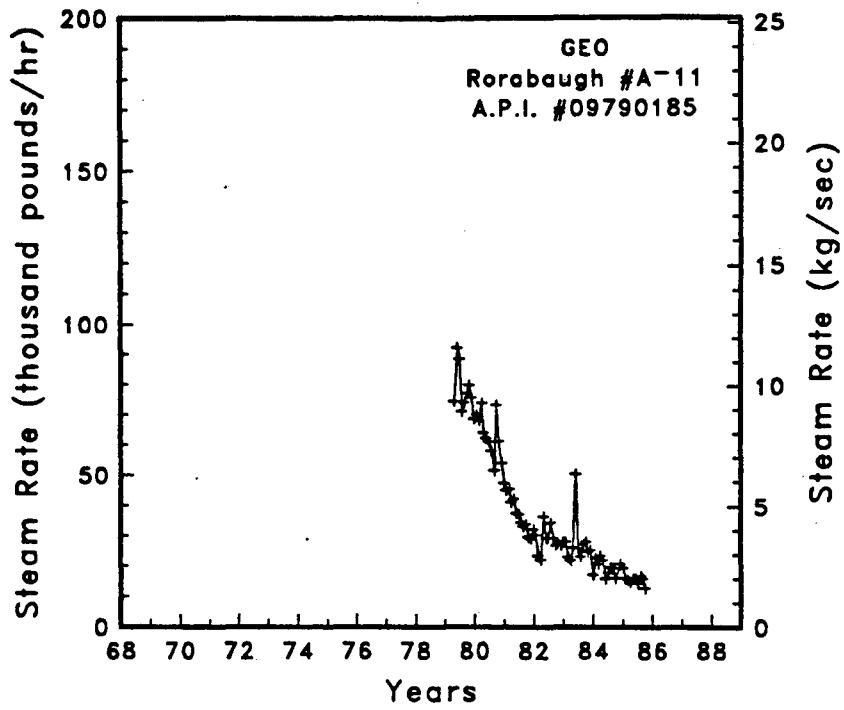


Figure A-193

Steam rate and cumulative mass flow for well Rorabaugh #A-11

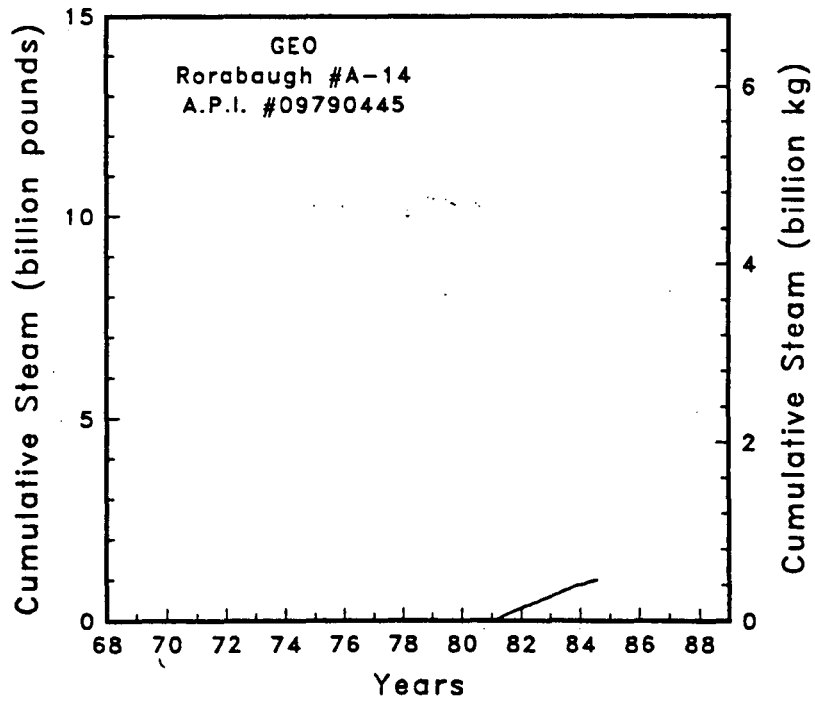
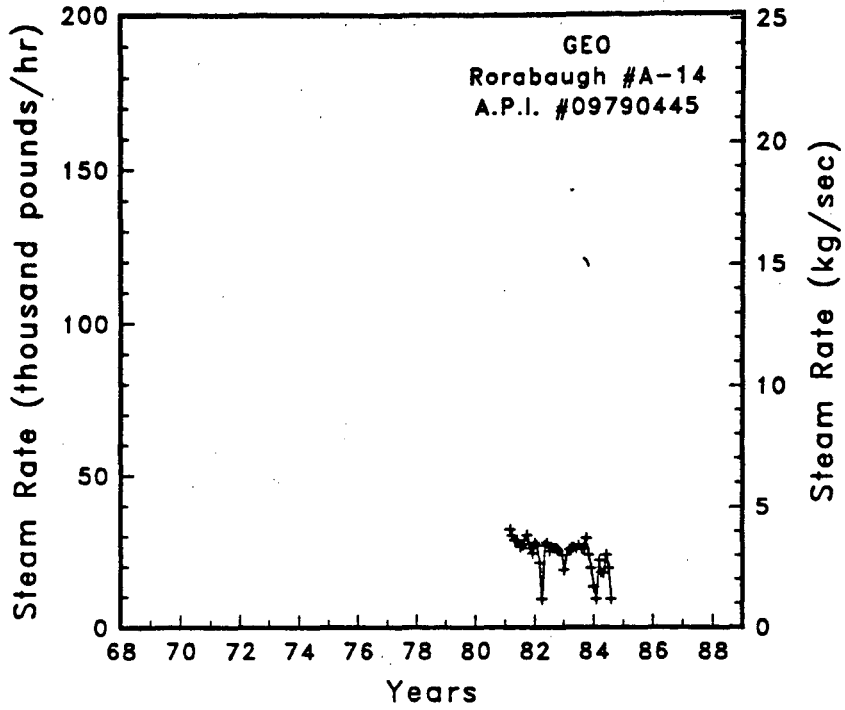


Figure A-194

Steam rate and cumulative mass flow for well Rorabaugh #A-14

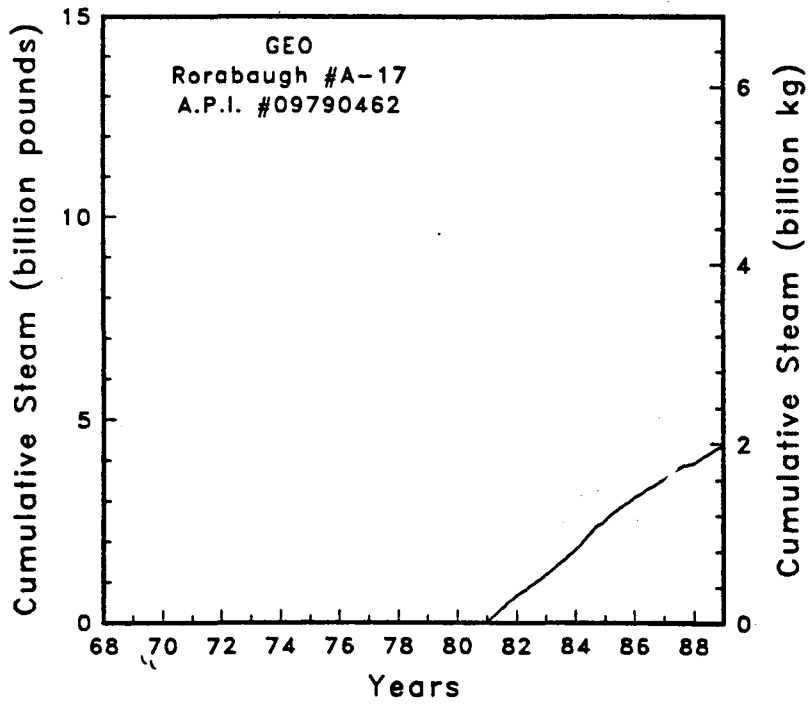
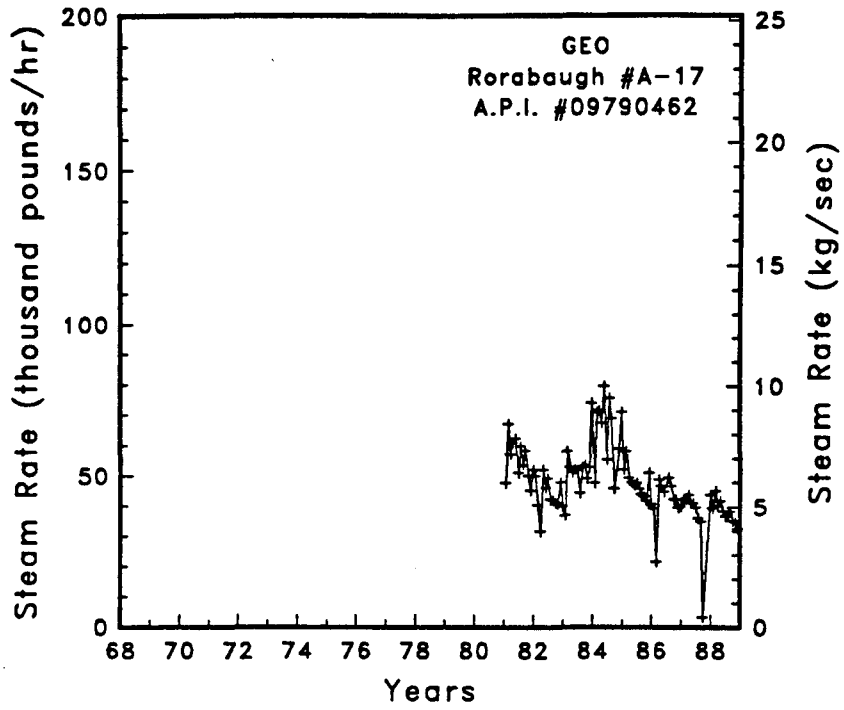


Figure A-195

Steam rate and cumulative mass flow for well Rorabaugh #A-17



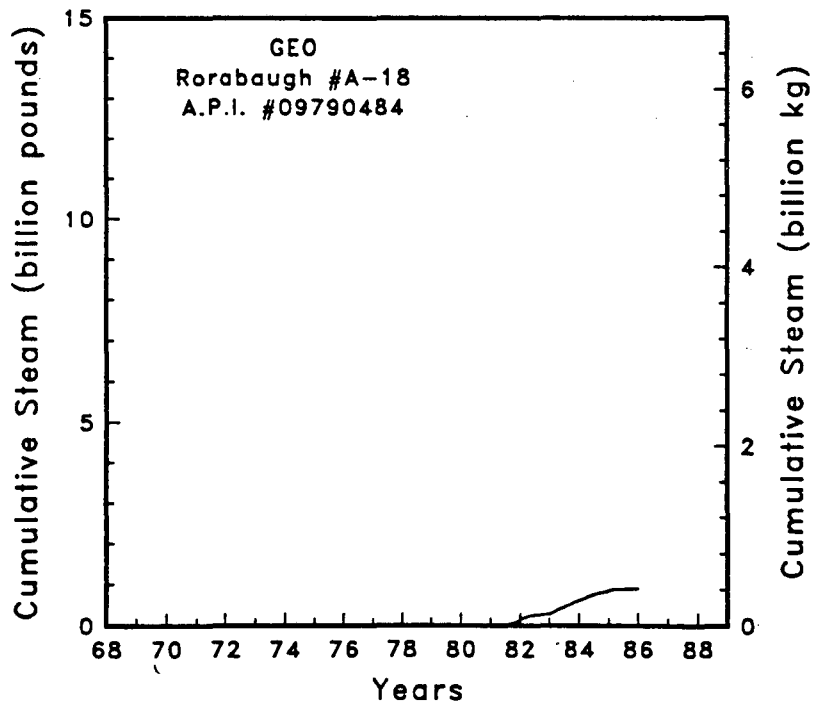
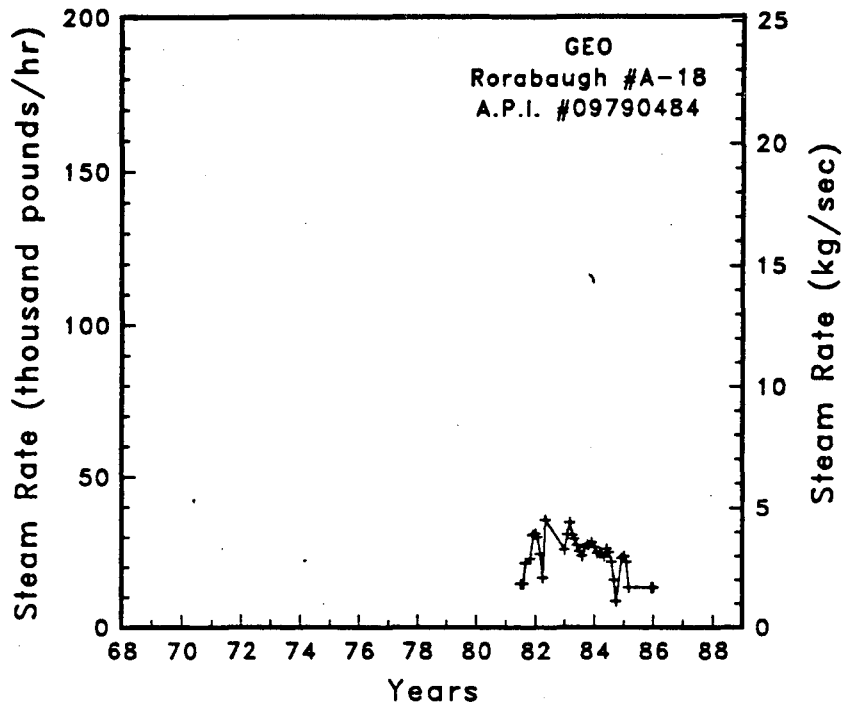


Figure A-196

Steam rate and cumulative mass flow for well Rorabaugh #A-18

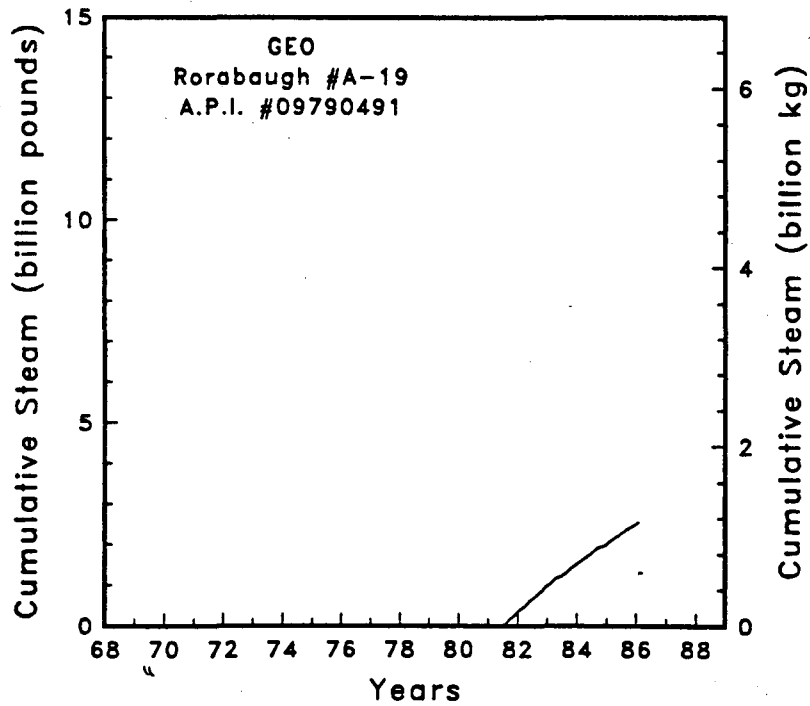
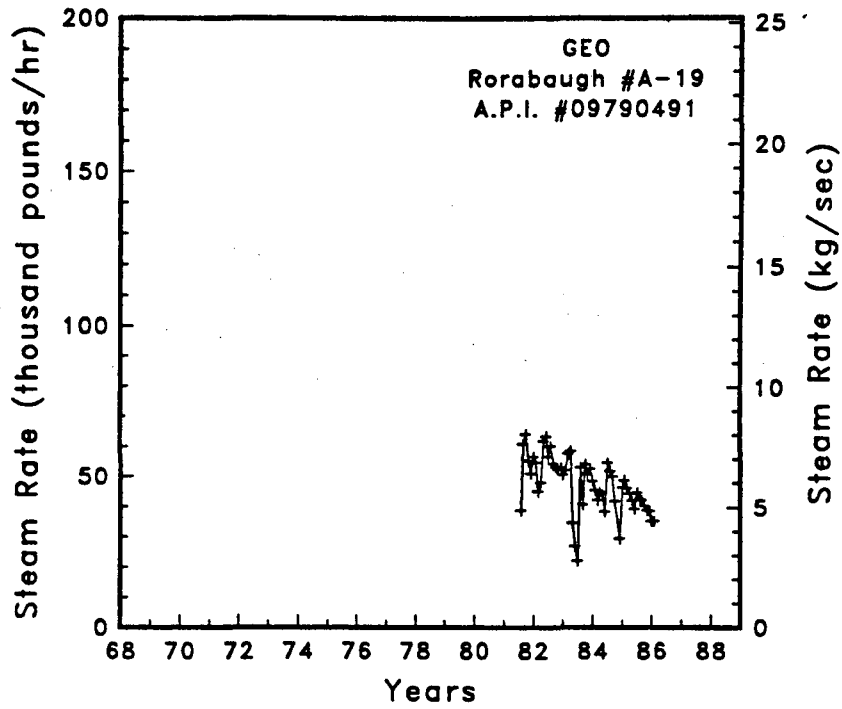


Figure A-197

Steam rate and cumulative mass flow for well Rorabaugh #A-19

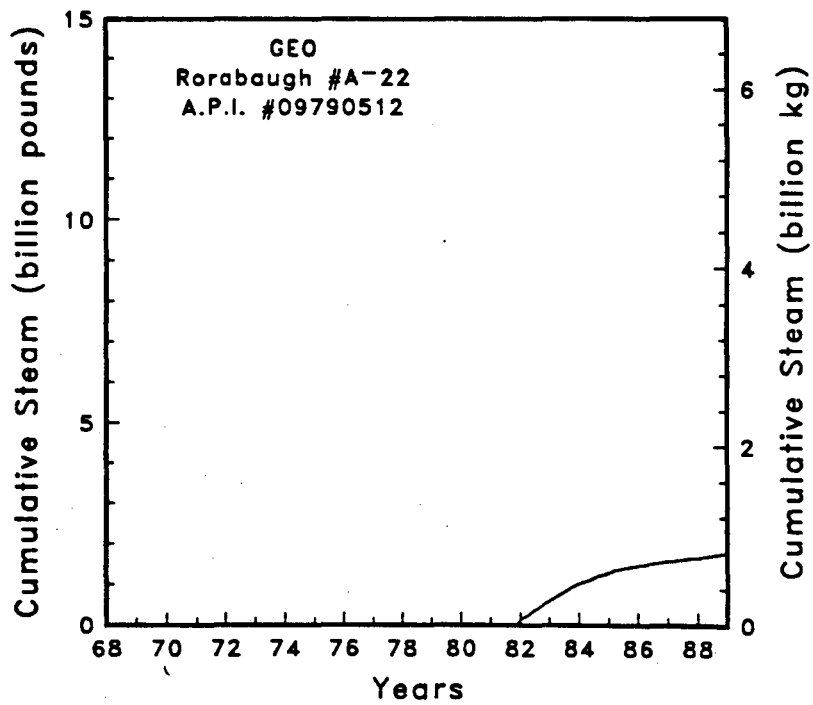
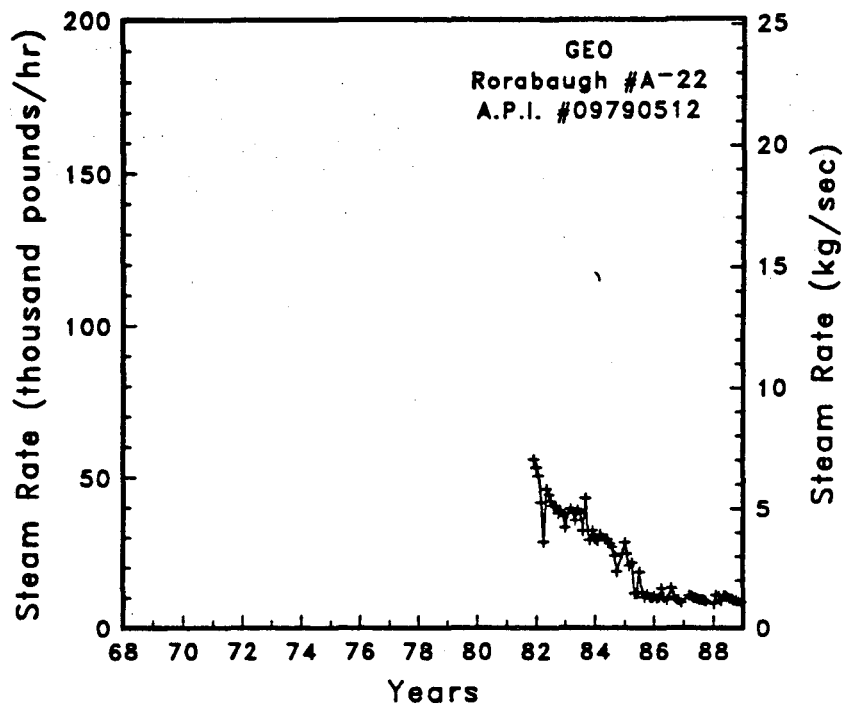


Figure A-198

Steam rate and cumulative mass flow for well Rorabaugh #A-22

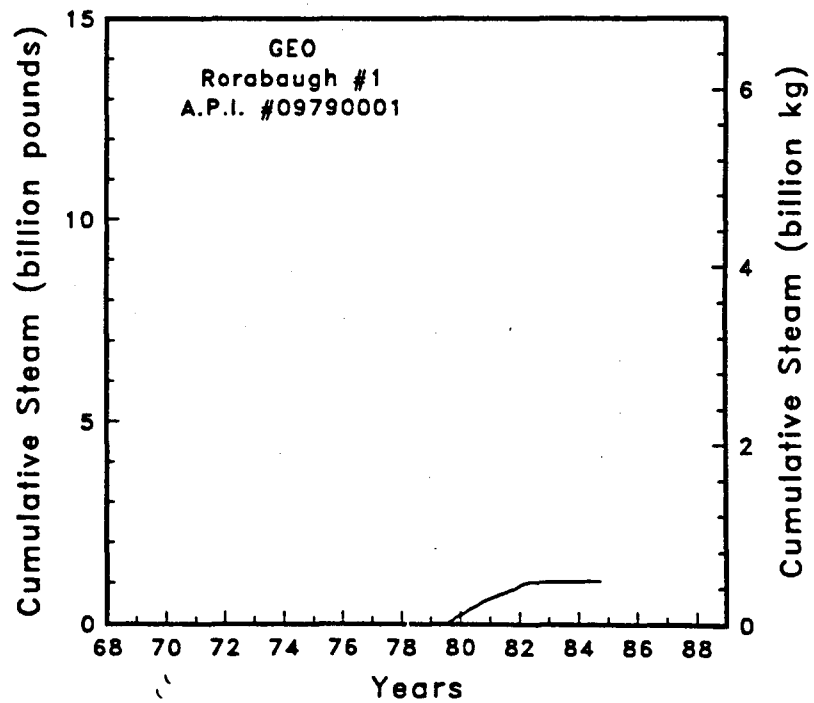
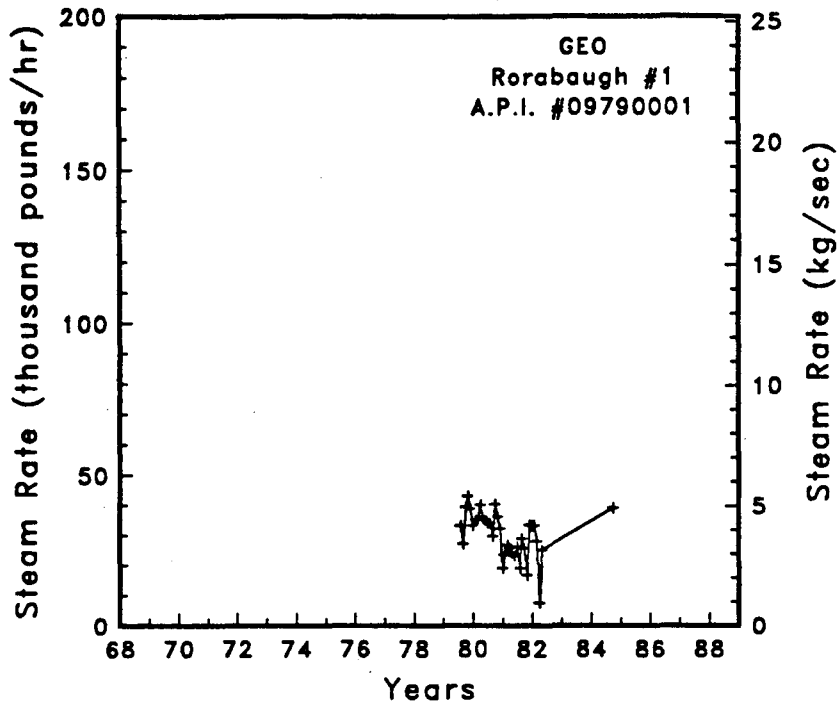


Figure A-199 Steam rate and cumulative mass flow for well Rorabaugh #1

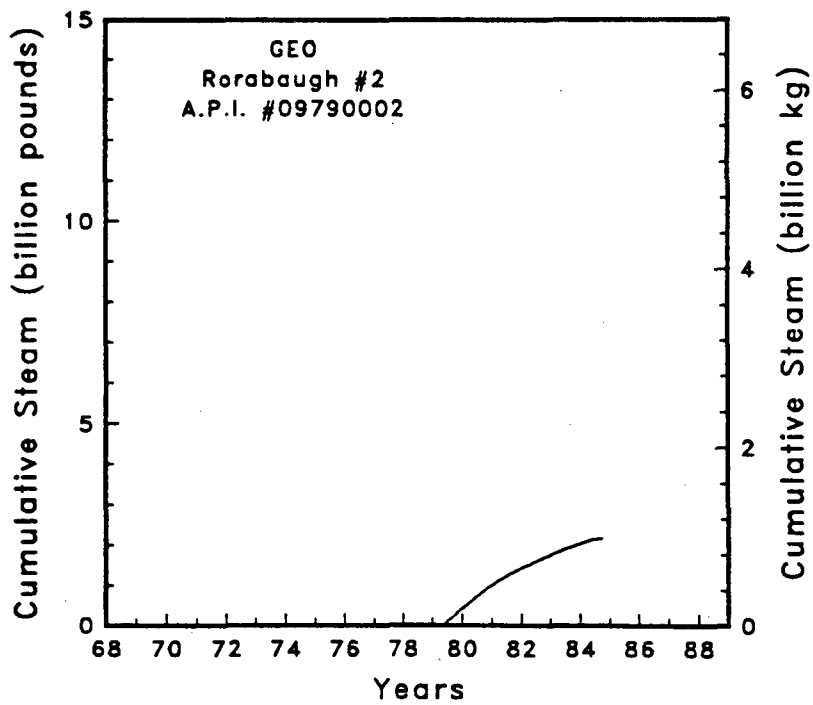
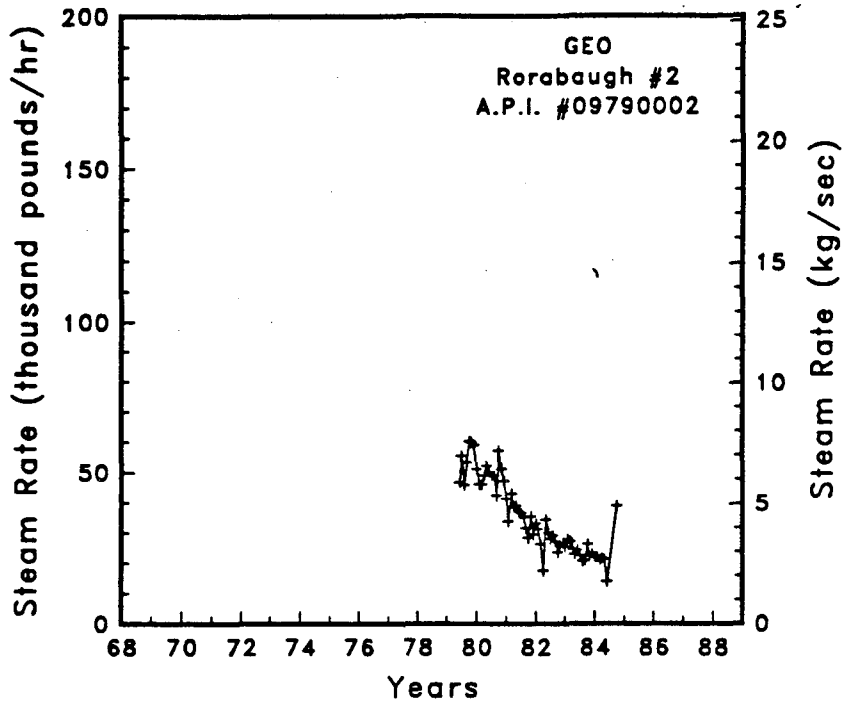


Figure A-200

Steam rate and cumulative mass flow for well Rorabaugh #2

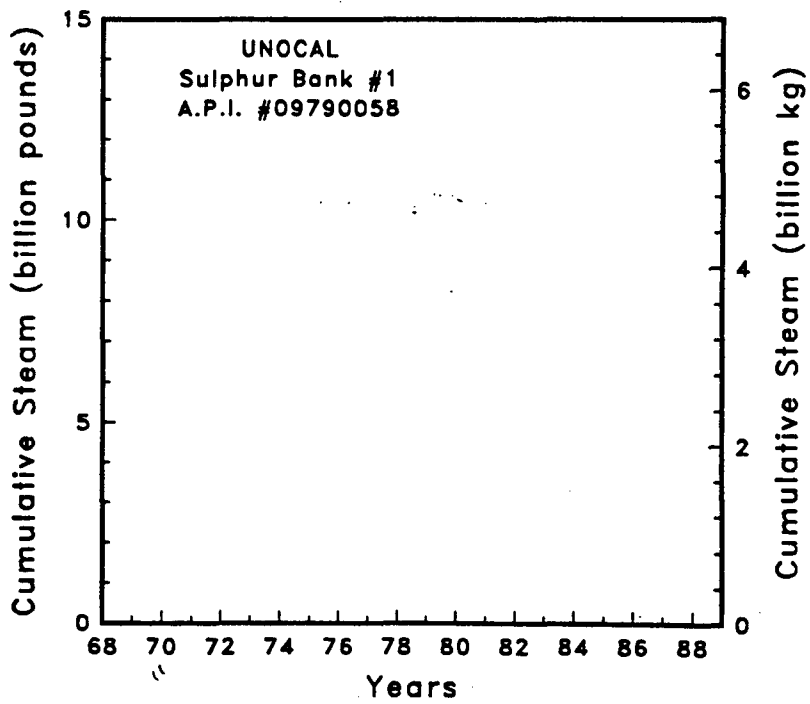
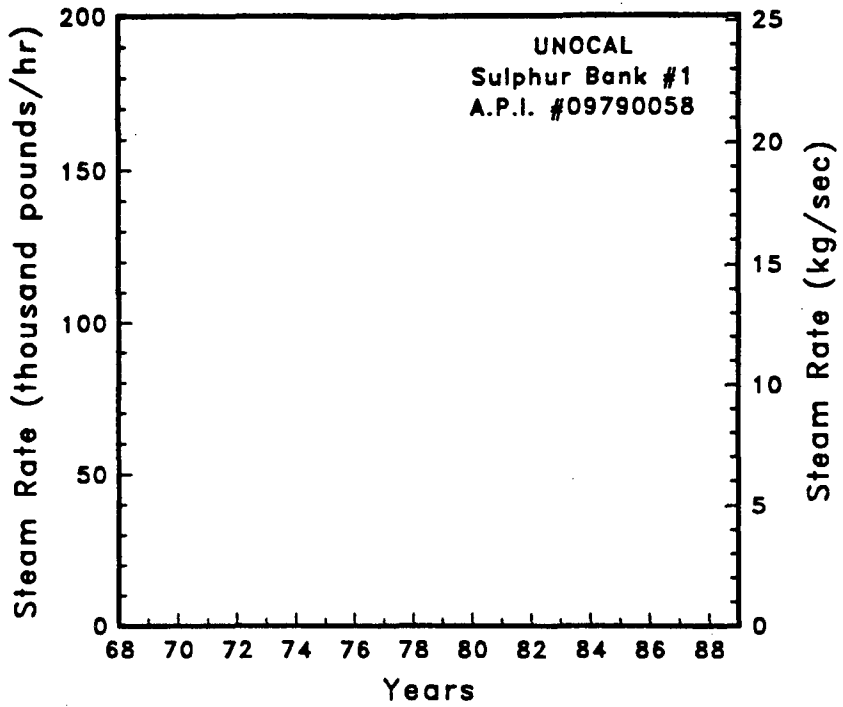


Figure A-201

Steam rate and cumulative mass flow for well Sulphur Bank #1

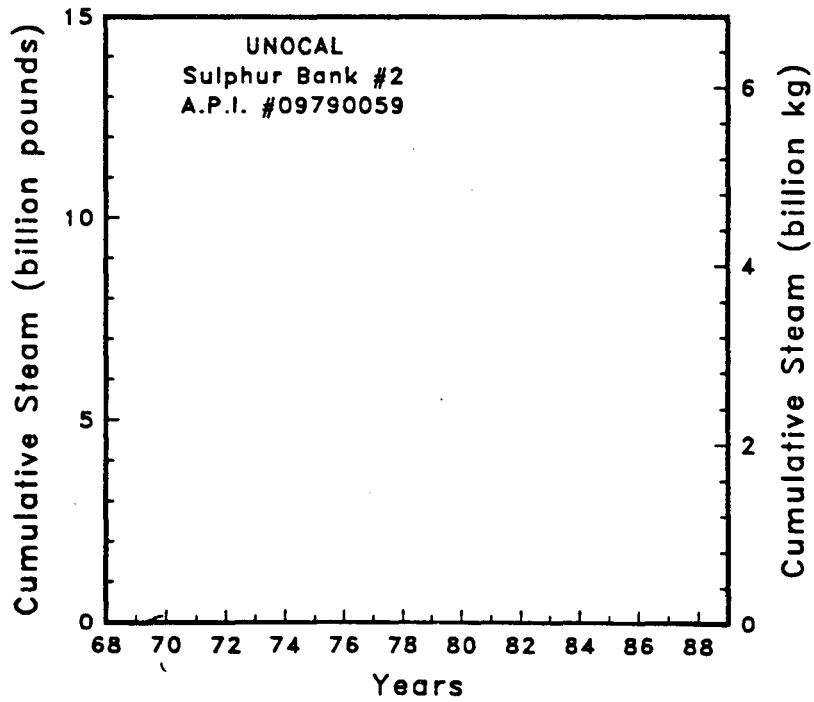
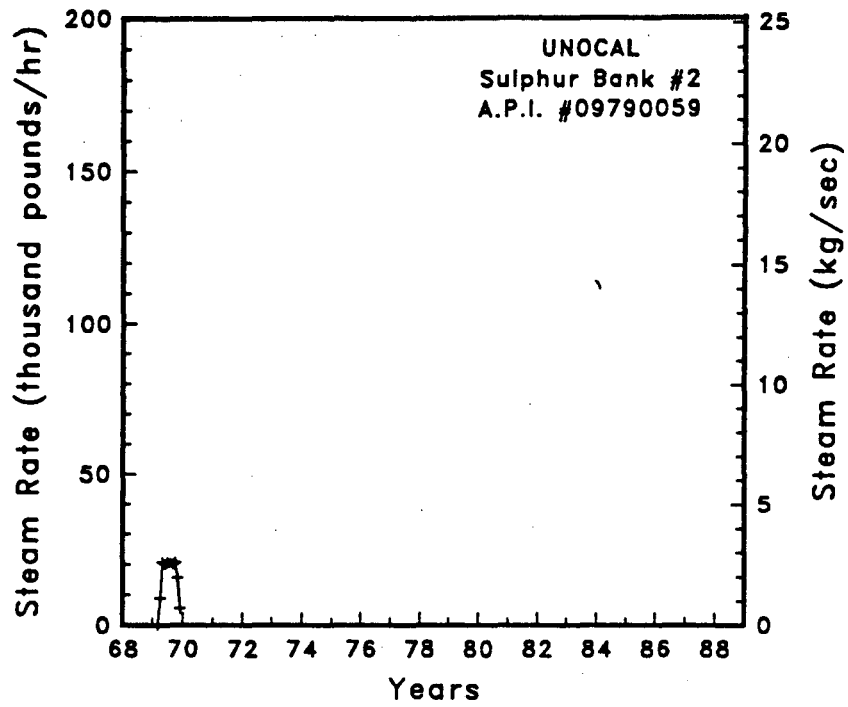


Figure A-202

Steam rate and cumulative mass flow for well Sulphur Bank #2

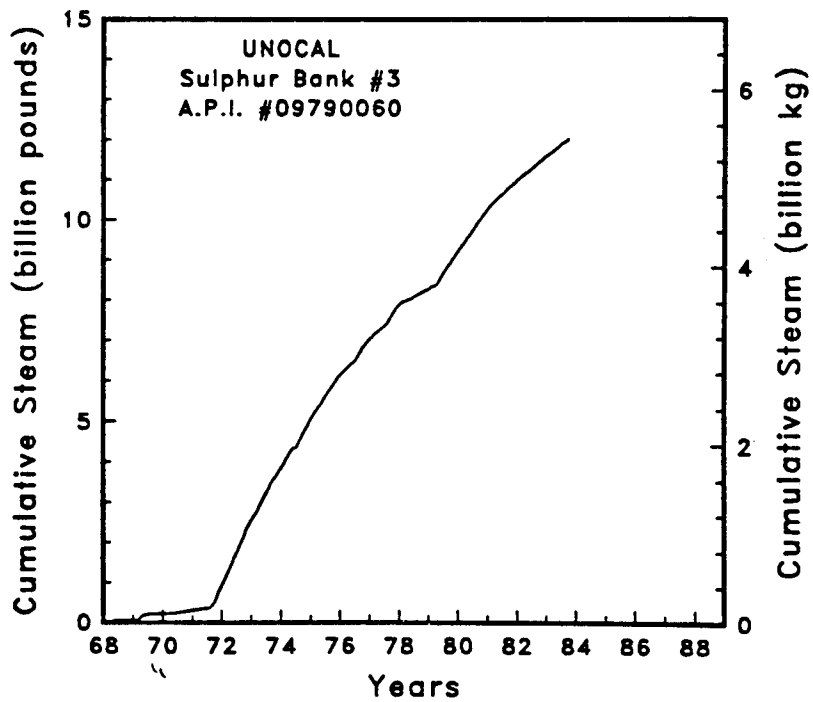
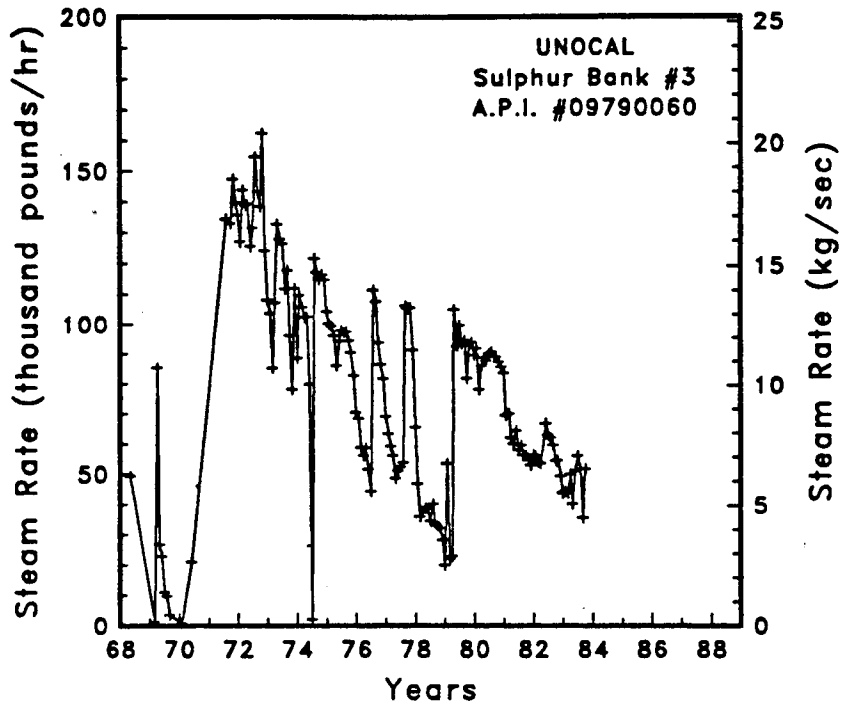


Figure A-203: Steam rate and cumulative mass flow for well Sulphur Bank #3



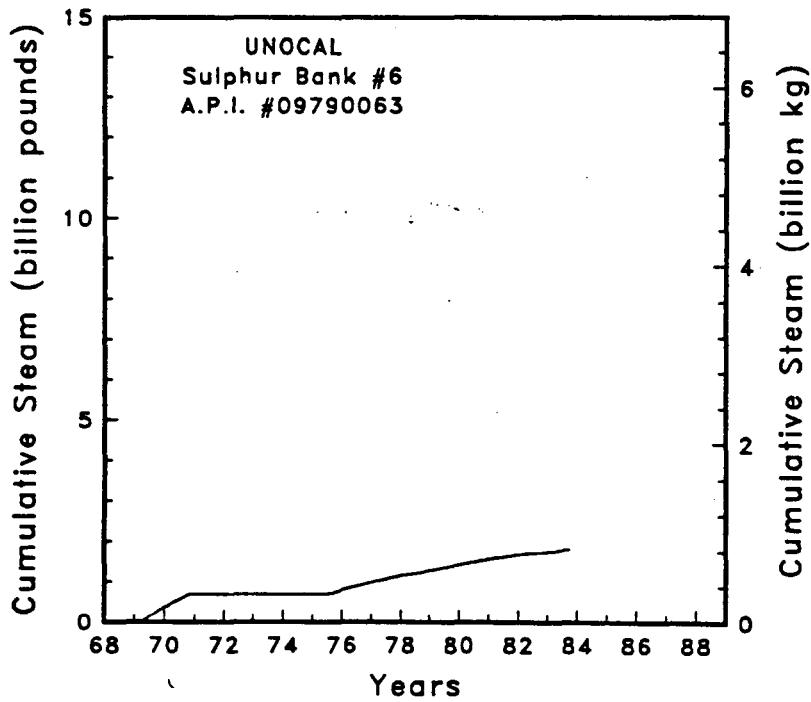
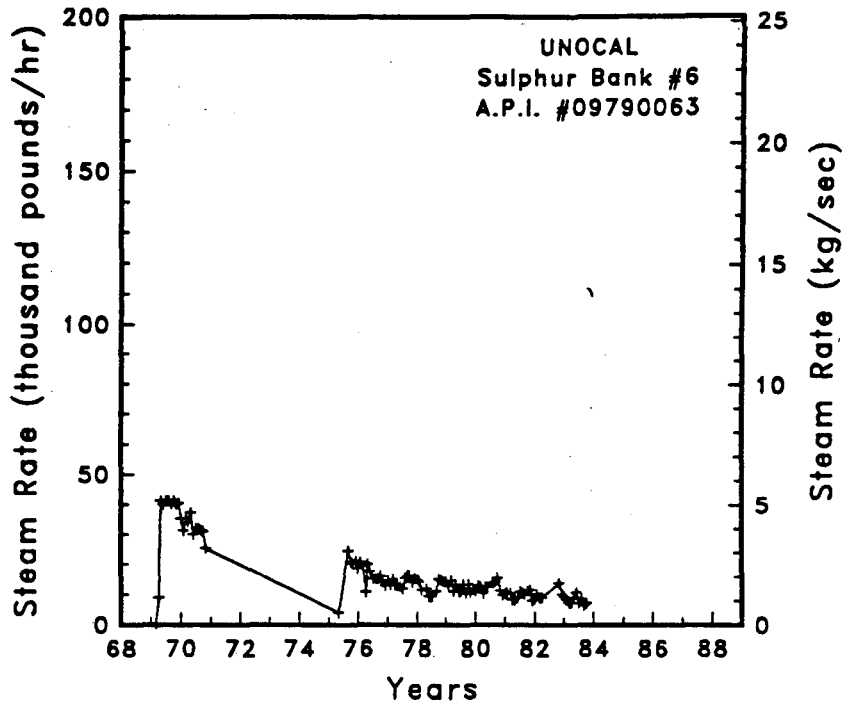


Figure A-204

Steam rate and cumulative mass flow for well Sulphur Bank #6 .

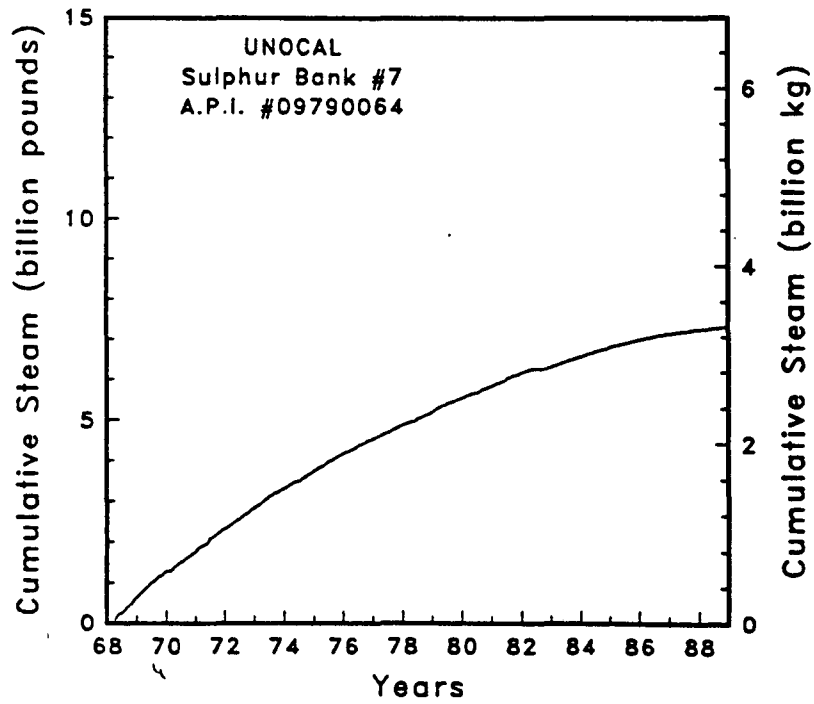
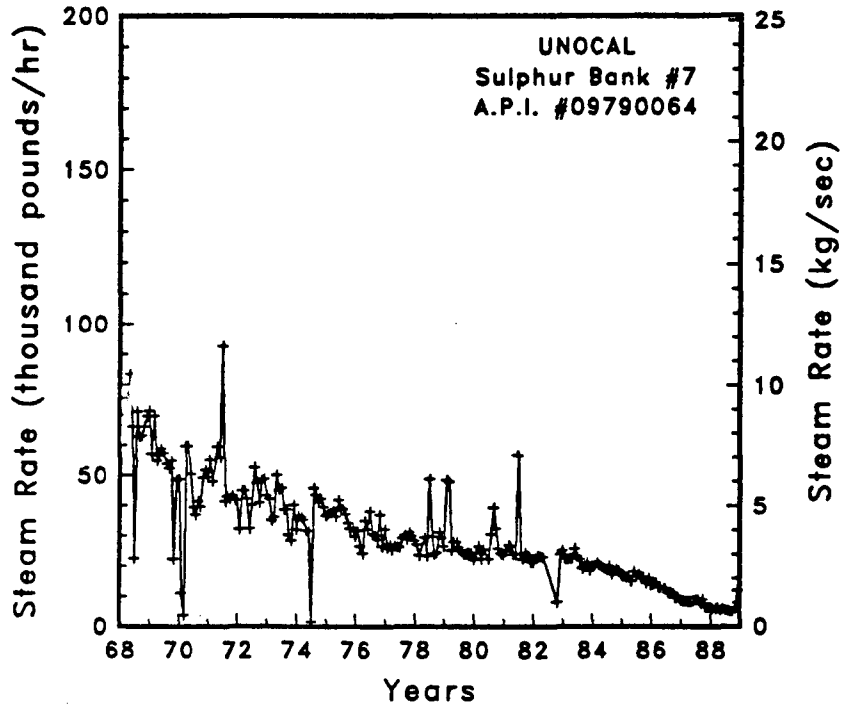


Figure A-205

Steam rate and cumulative mass flow for well Sulphur Bank #7

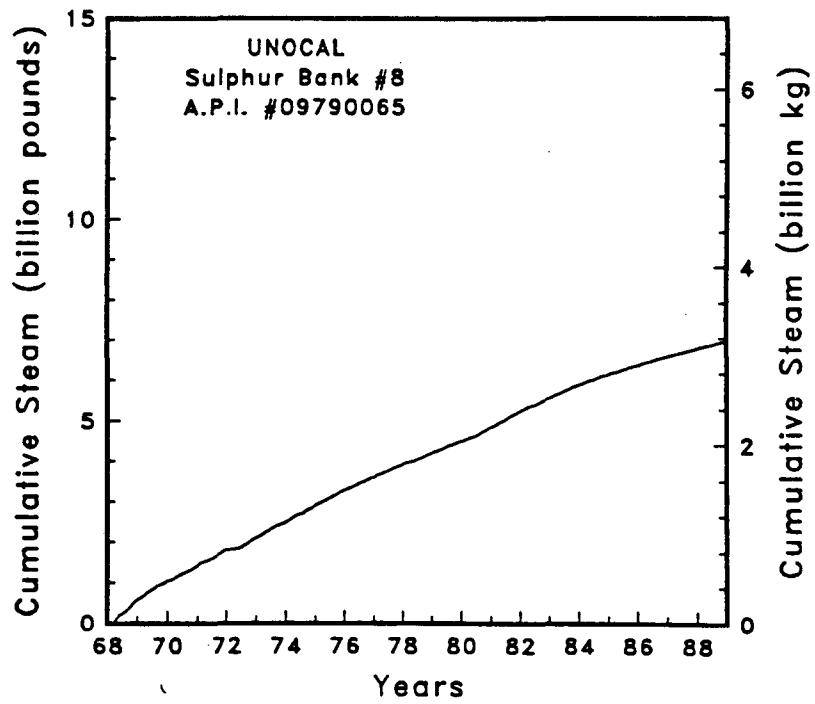
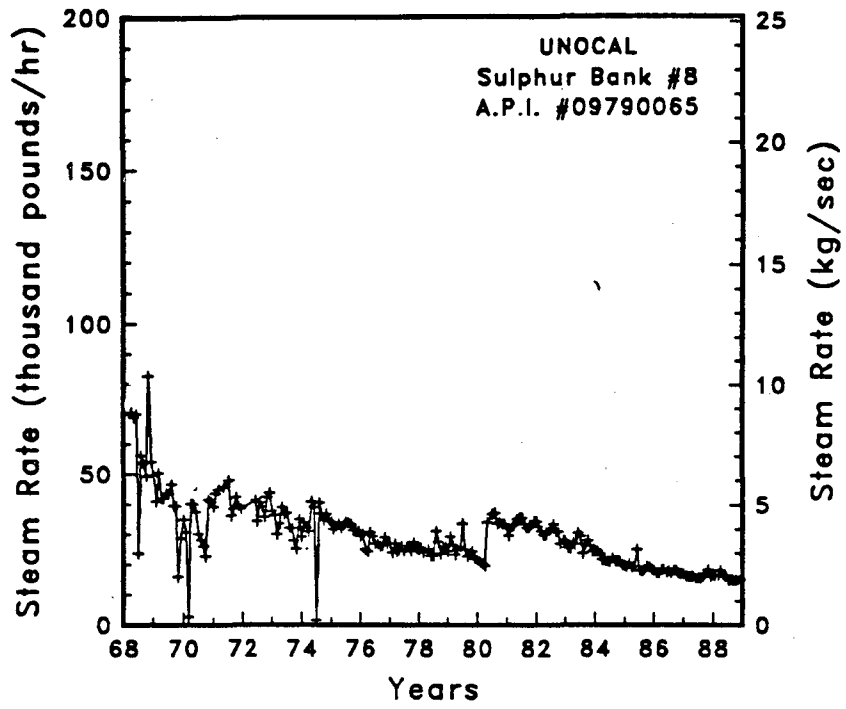


Figure A-206 Steam rate and cumulative mass flow for well Sulphur Bank #8

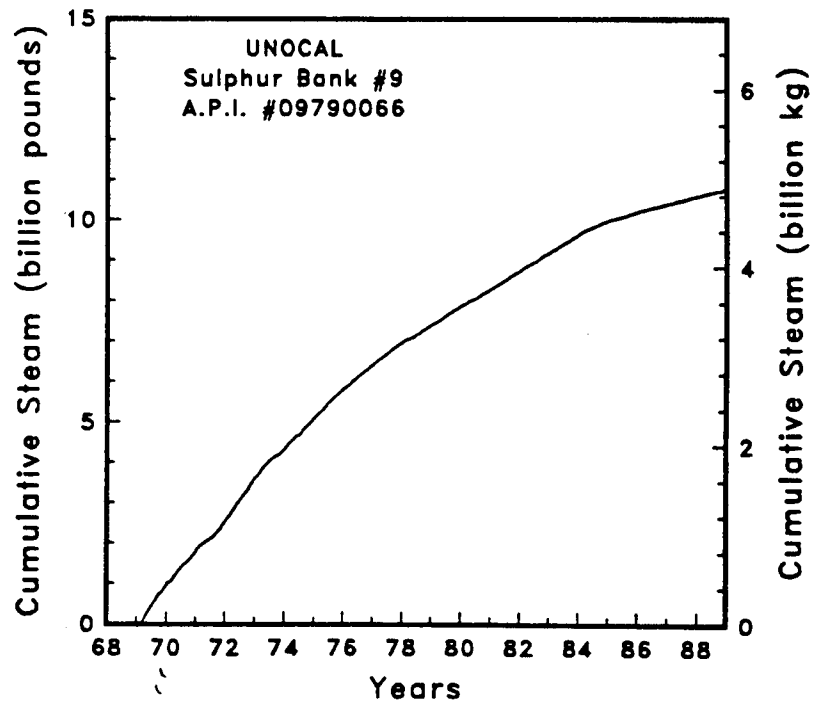
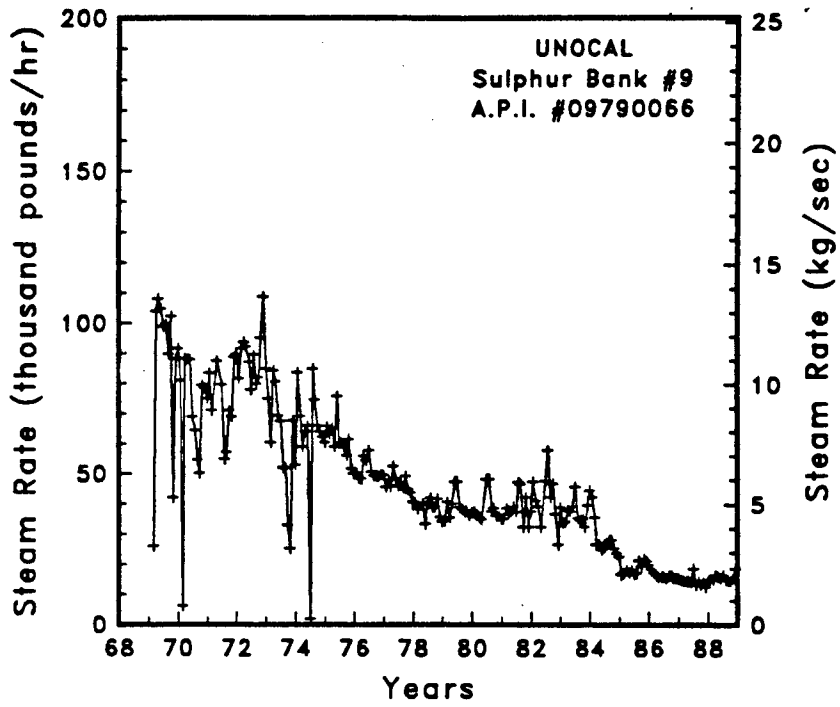


Figure A-207 Steam rate and cumulative mass flow for well Sulphur Bank #9

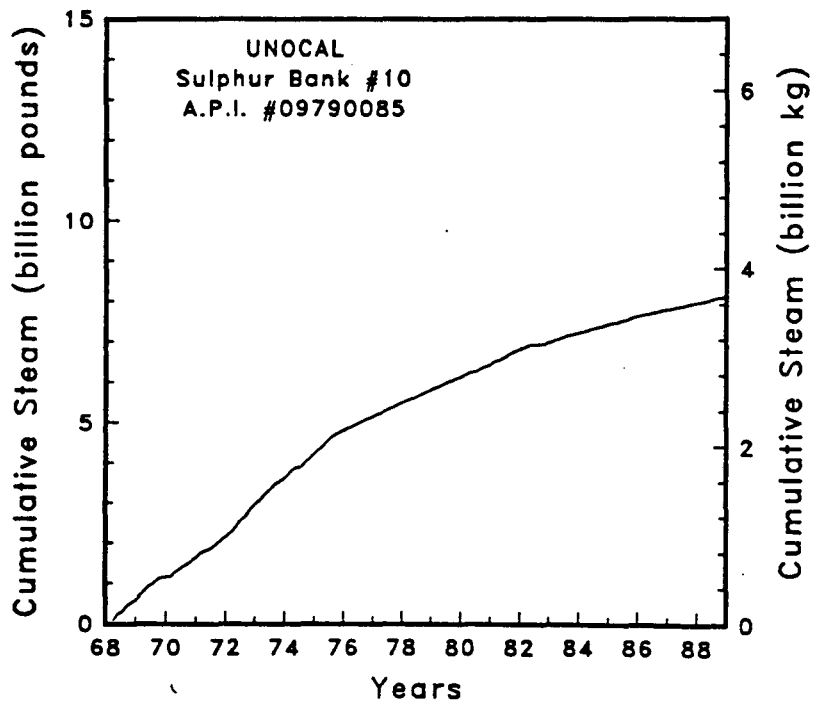
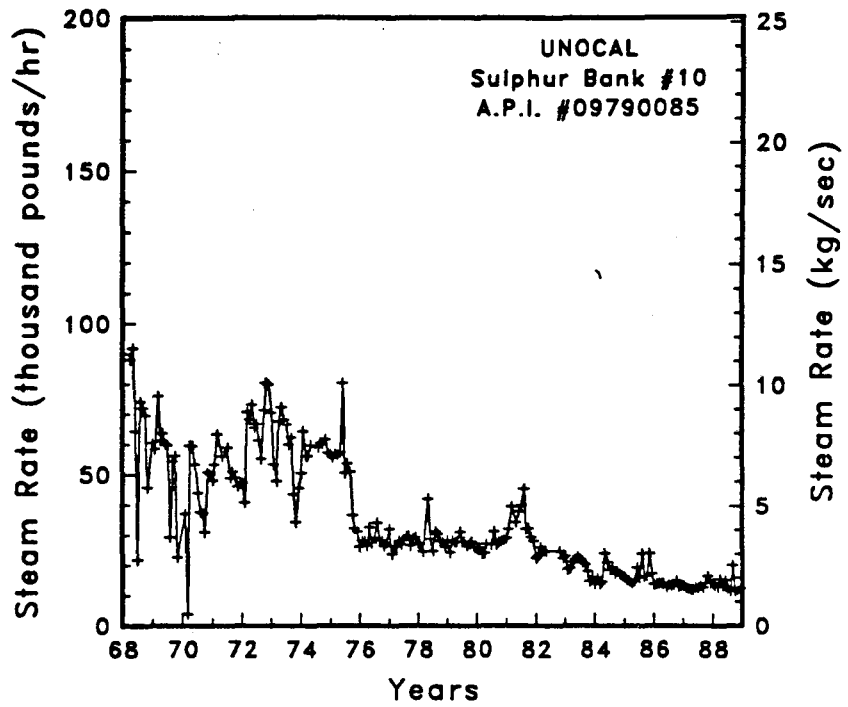


Figure A-208

Steam rate and cumulative mass flow for well Sulphur Bank #10

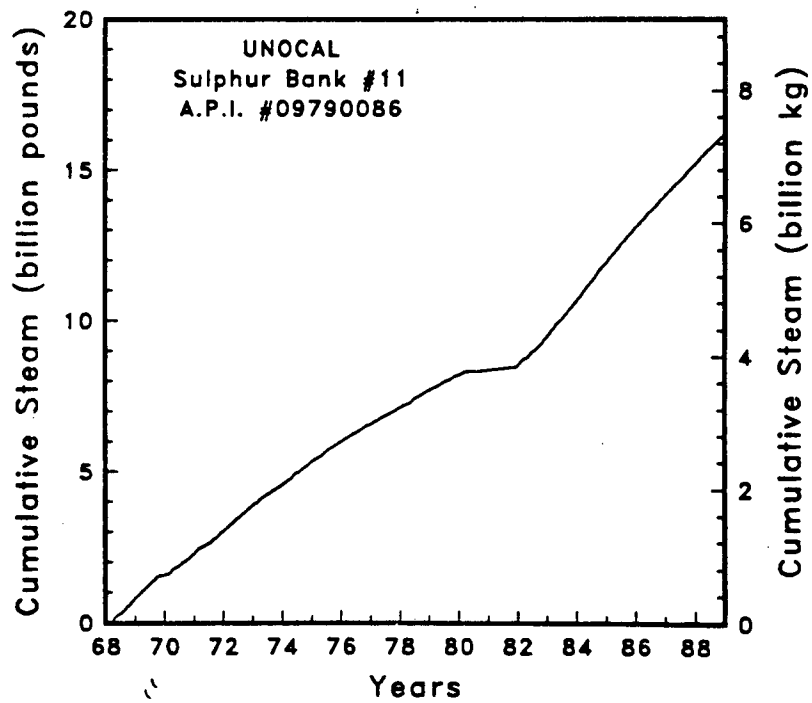
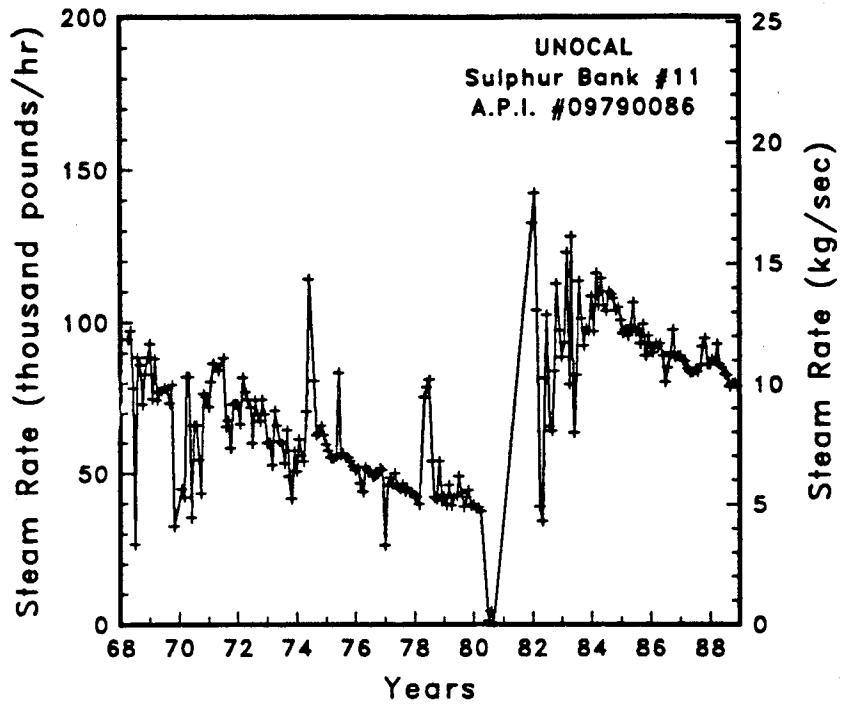


Figure A-209

Steam rate and cumulative mass flow for well Sulphur Bank #11

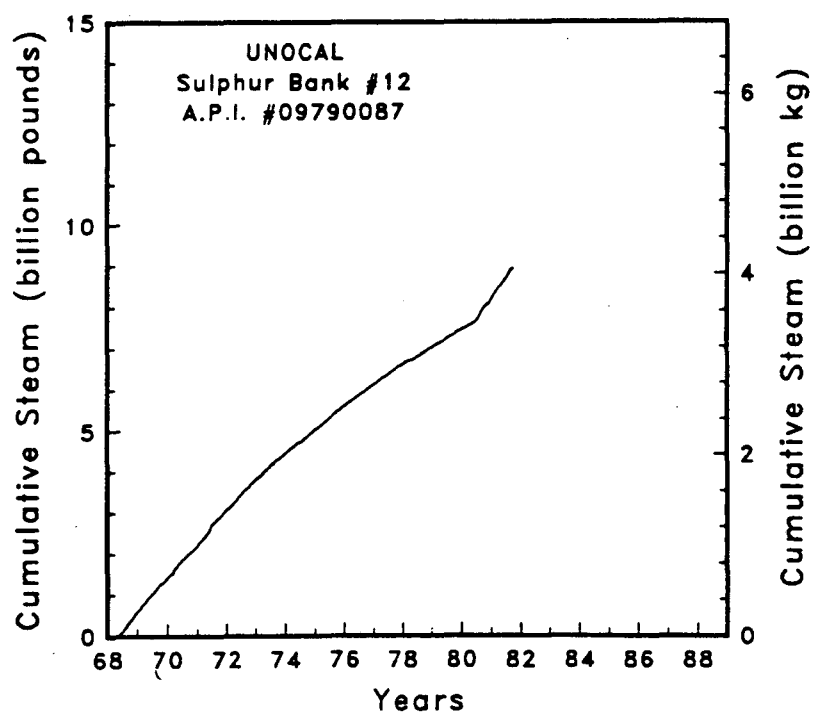
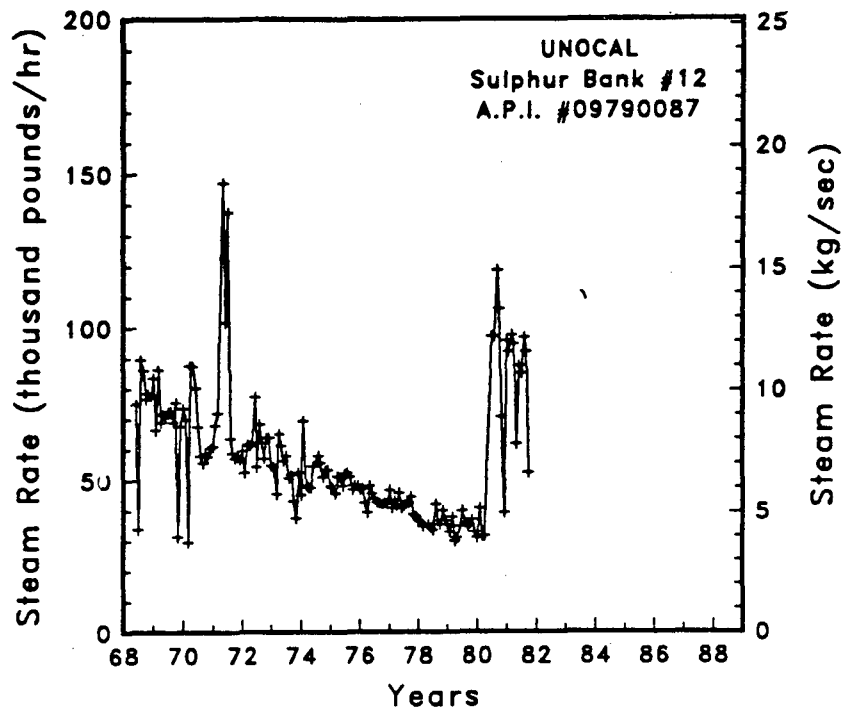


Figure A-210

Steam rate and cumulative mass flow for well Sulphur Bank #12

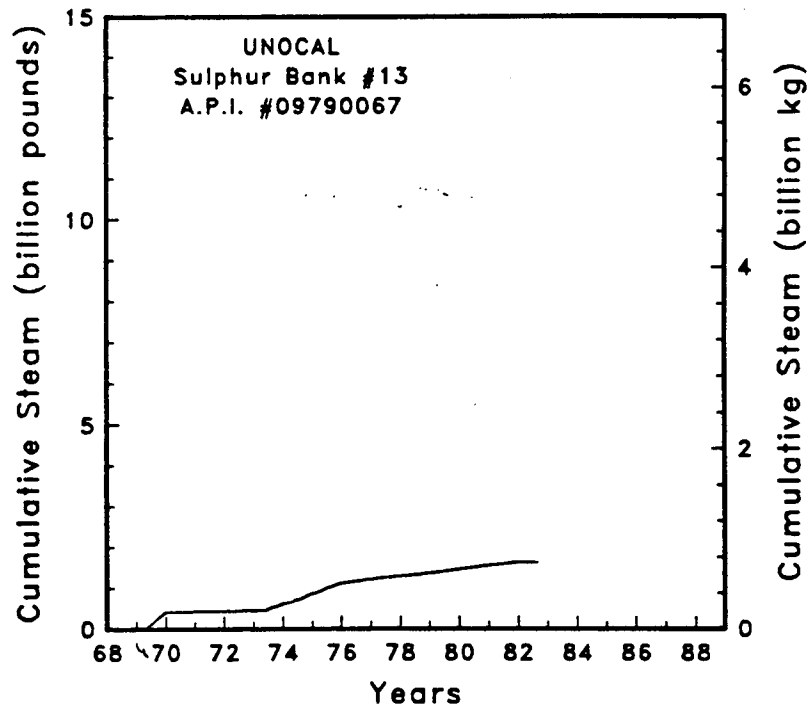
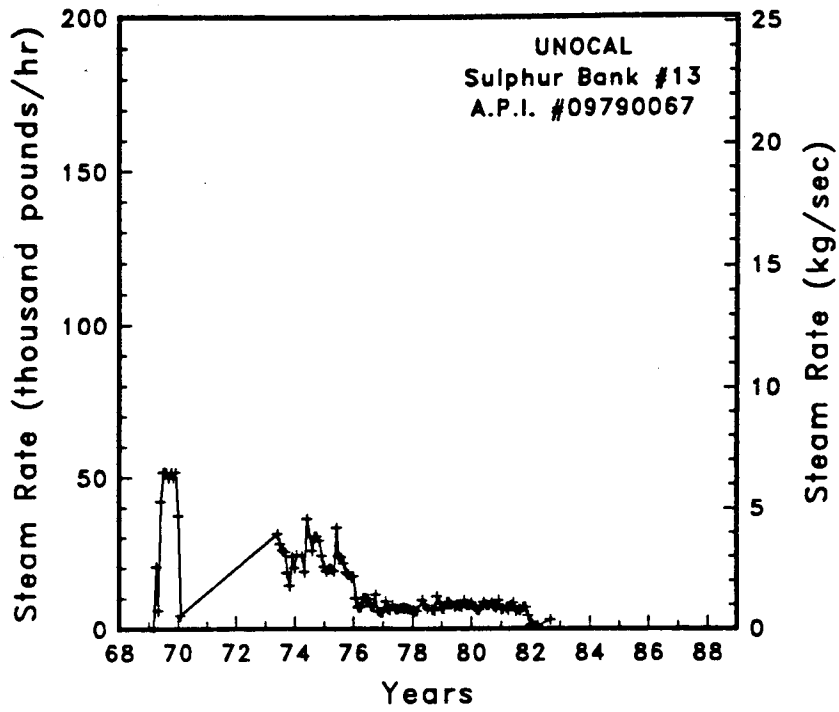


Figure A-211 Steam rate and cumulative mass flow for well Sulphur Bank #13



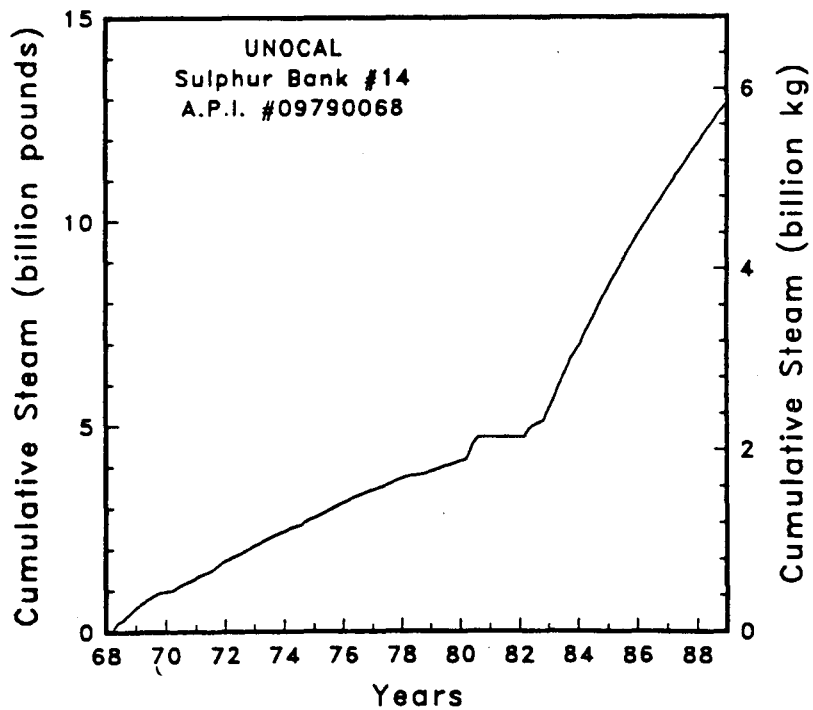
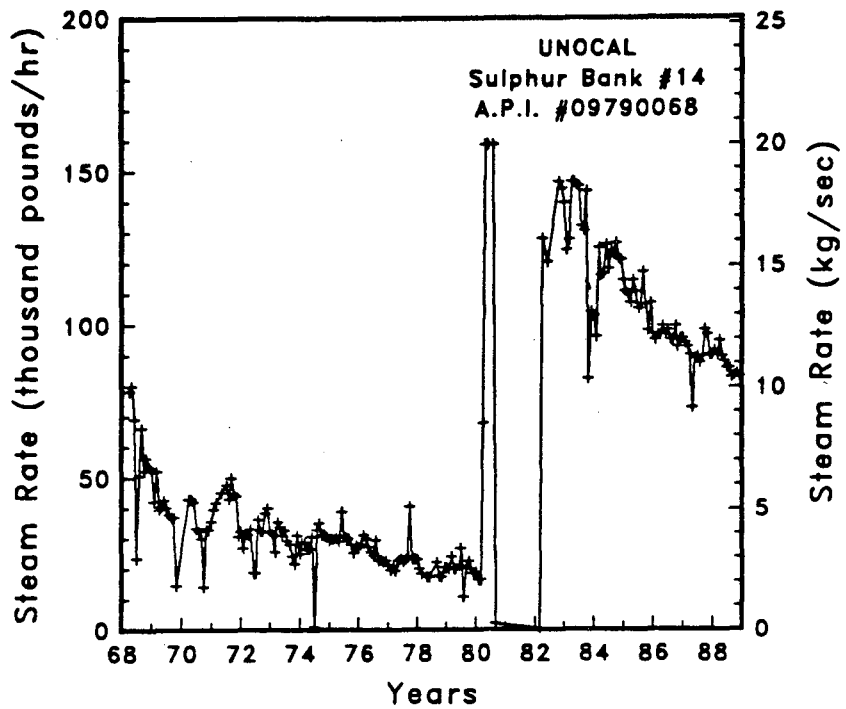


Figure A-212

Steam rate and cumulative mass flow for well Sulphur Bank #14

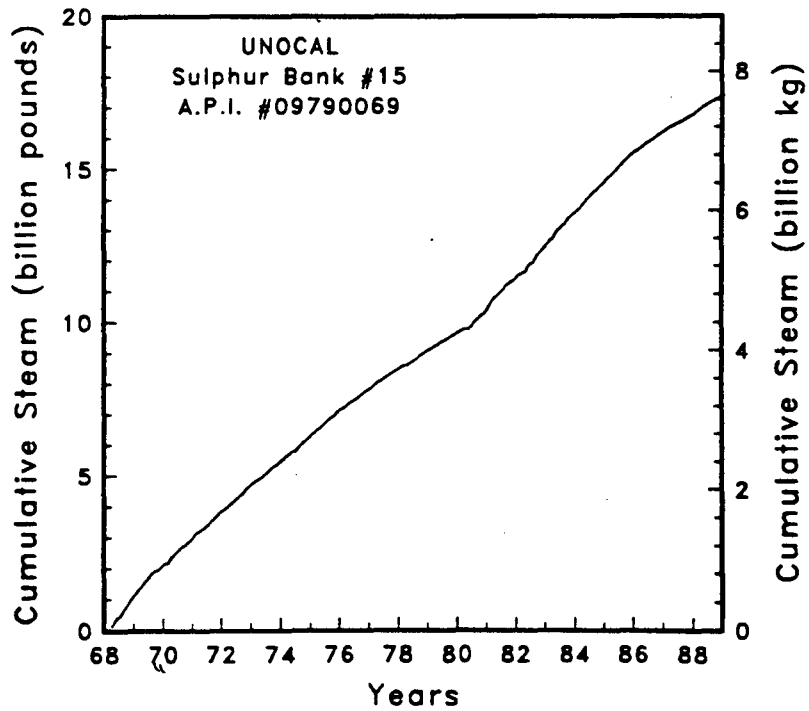
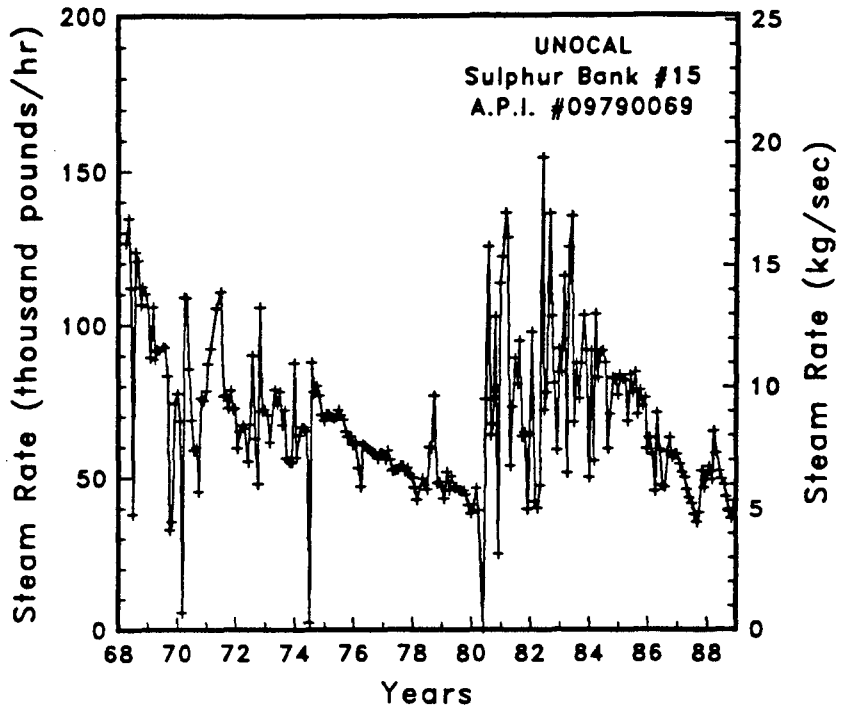


Figure A-213

Steam rate and cumulative mass flow for well Sulphur Bank #15

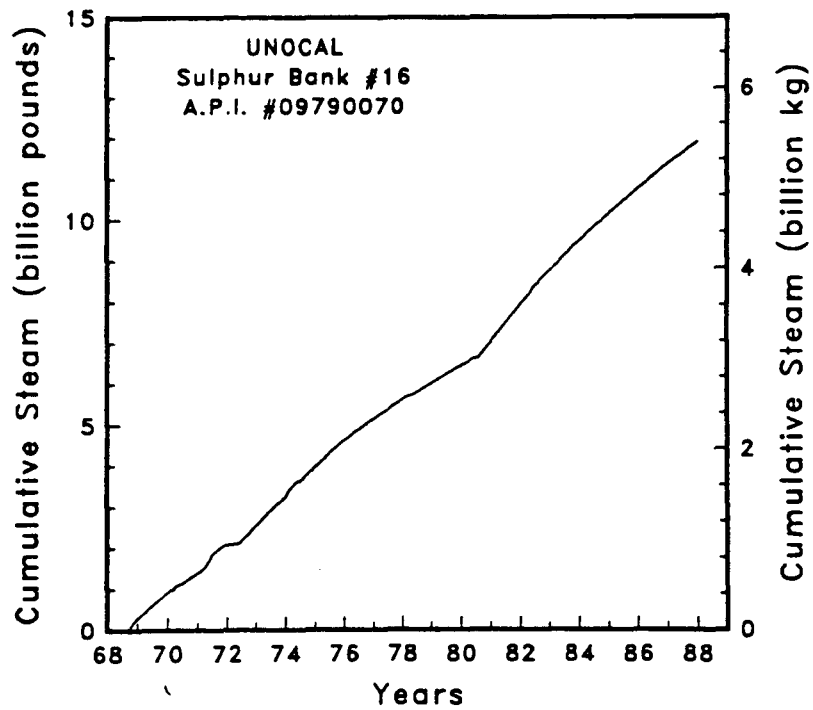
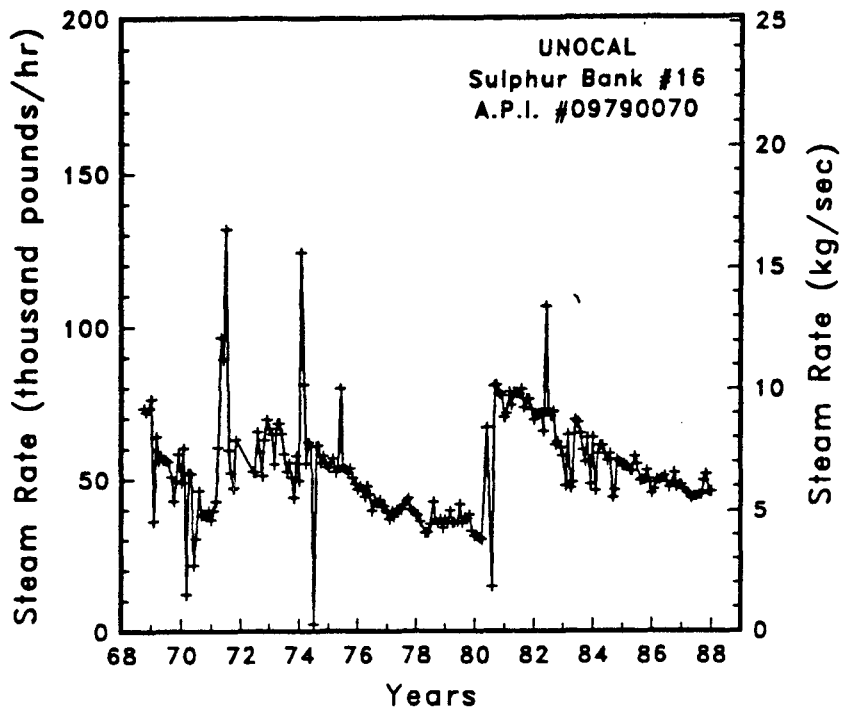


Figure A-214 Steam rate and cumulative mass flow for well Sulphur Bank #16

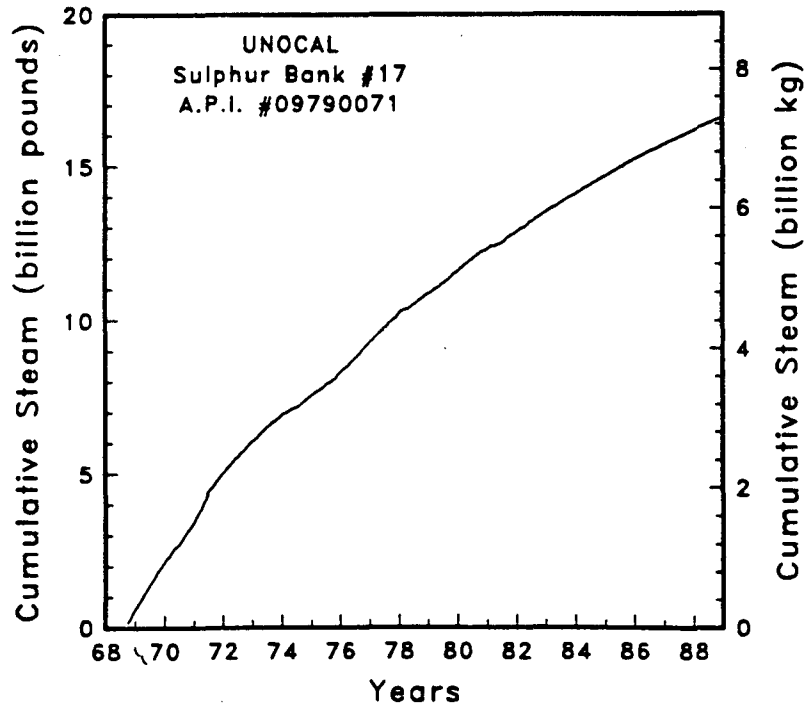
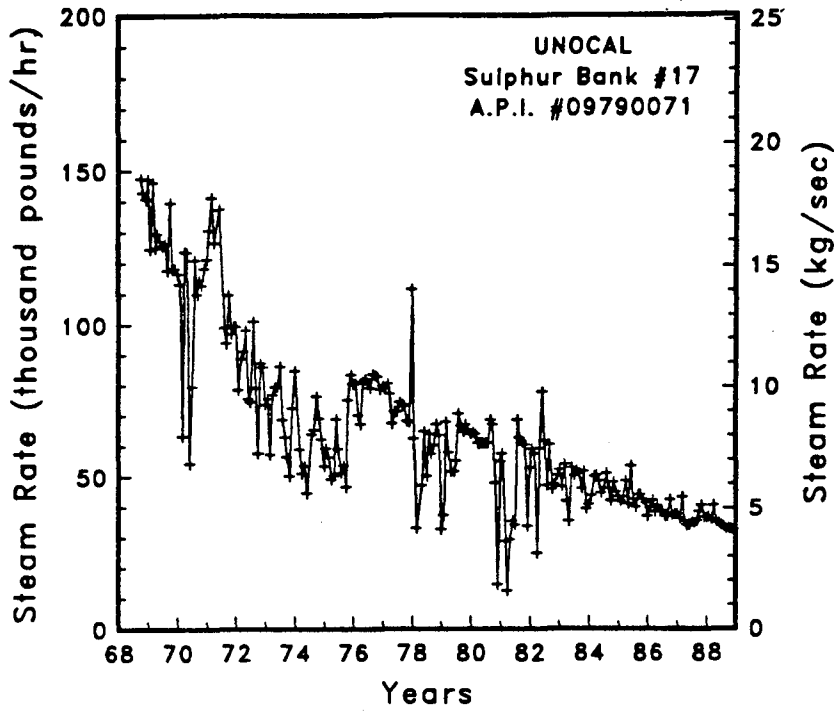


Figure A-215 Steam rate and cumulative mass flow for well Sulphur Bank #17

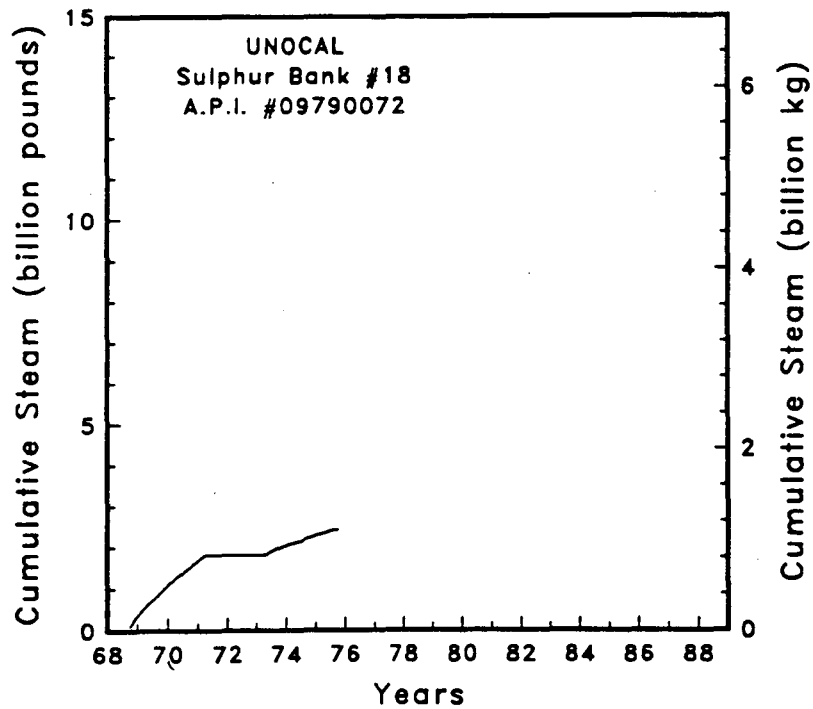
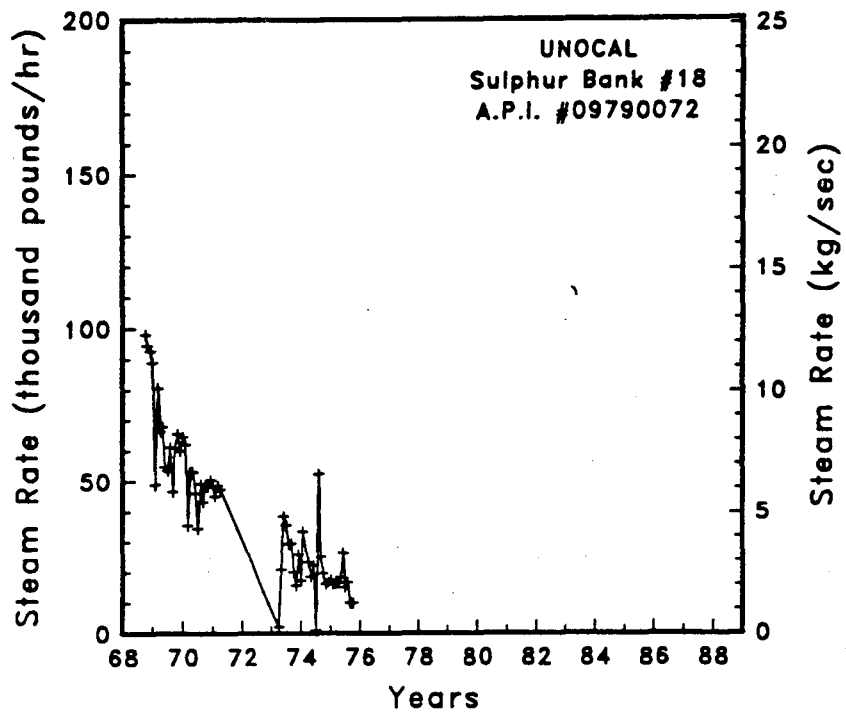


Figure A-216

Steam rate and cumulative mass flow for well Sulphur Bank #18

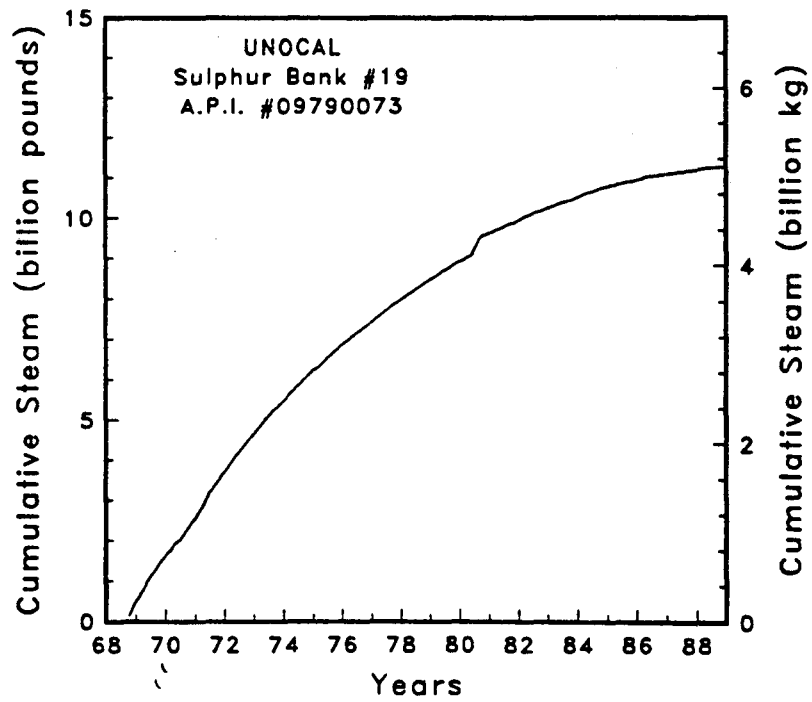
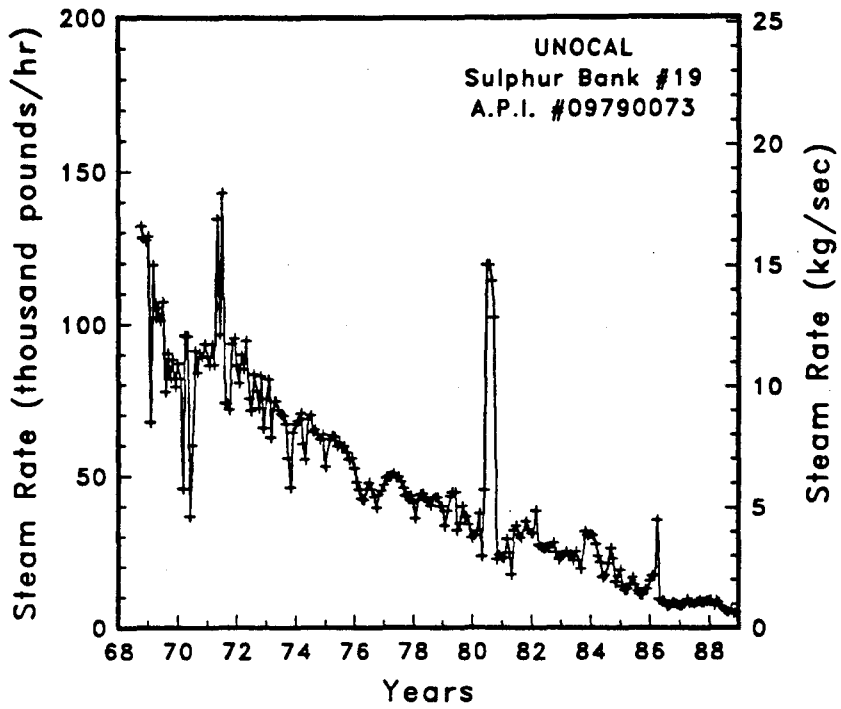


Figure A-217

Steam rate and cumulative mass flow for well Sulphur Bank #19

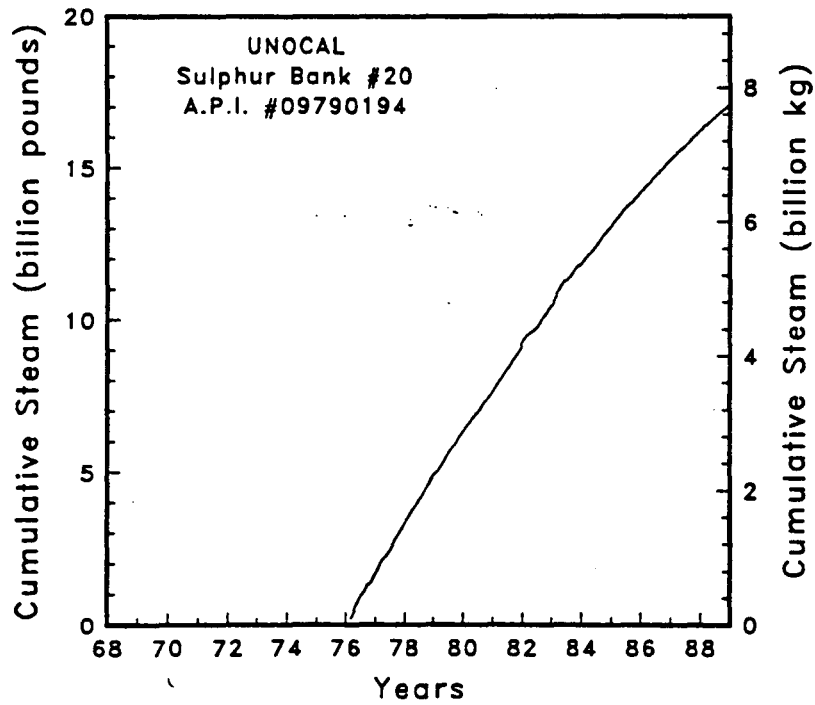
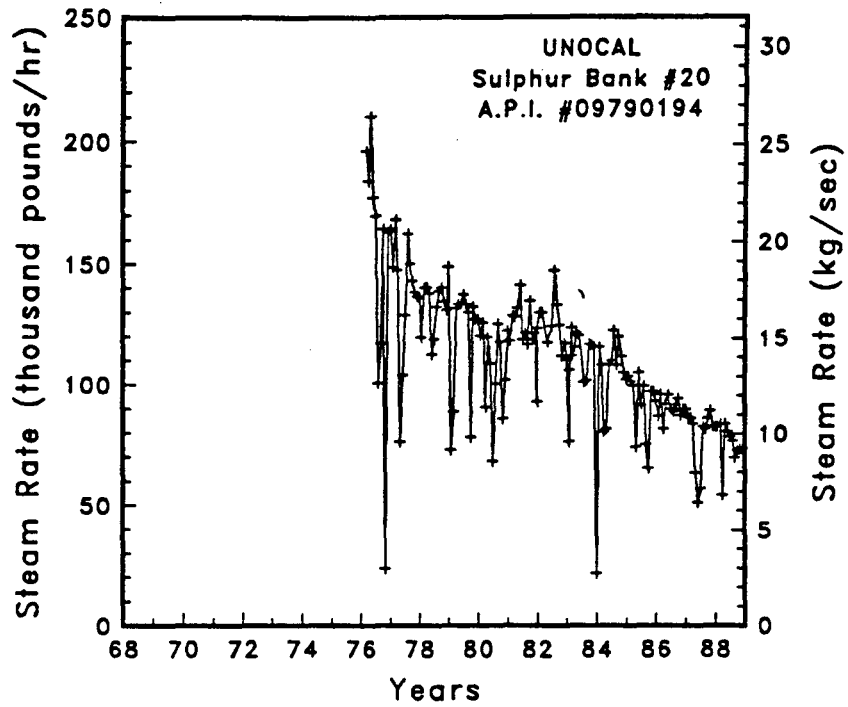


Figure A-218

Steam rate and cumulative mass flow for well Sulphur Bank #20

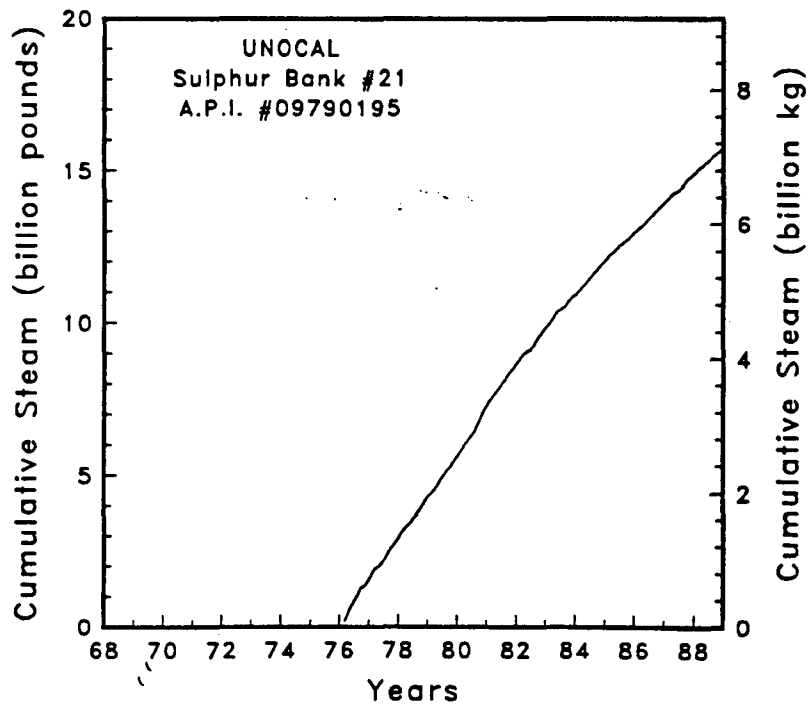
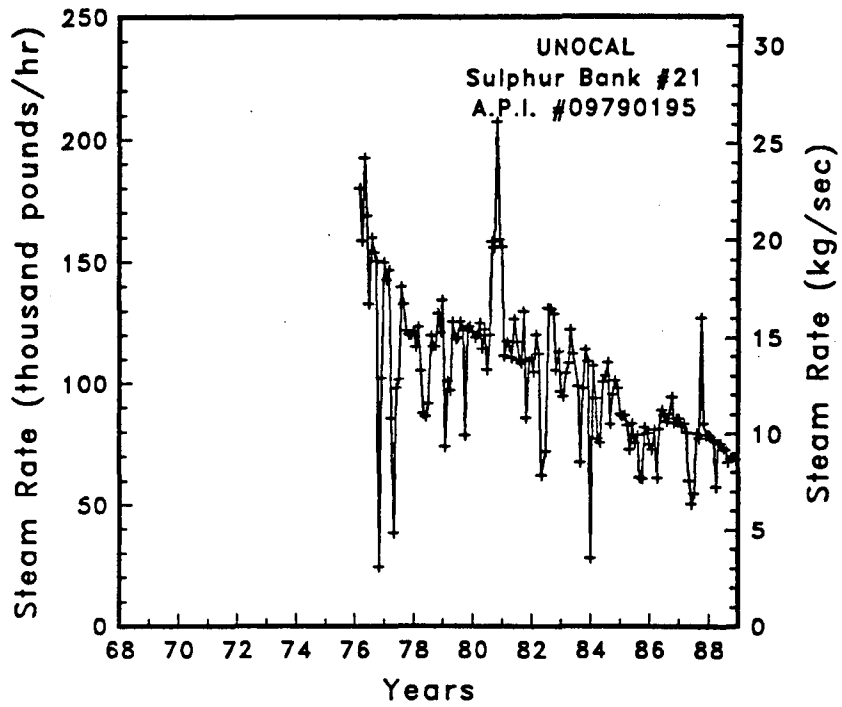


Figure A-219 Steam rate and cumulative mass flow for well Sulphur Bank #21



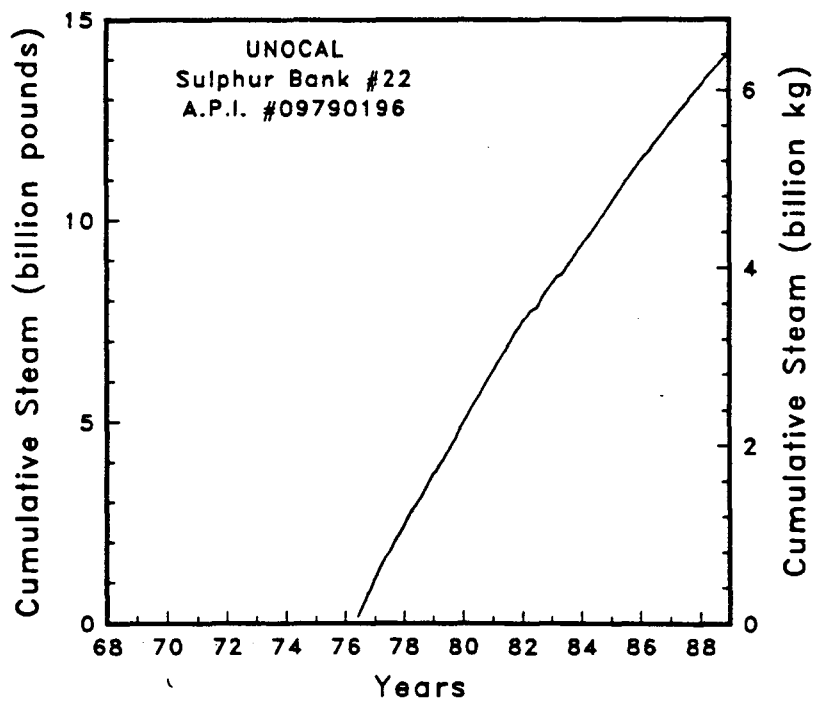
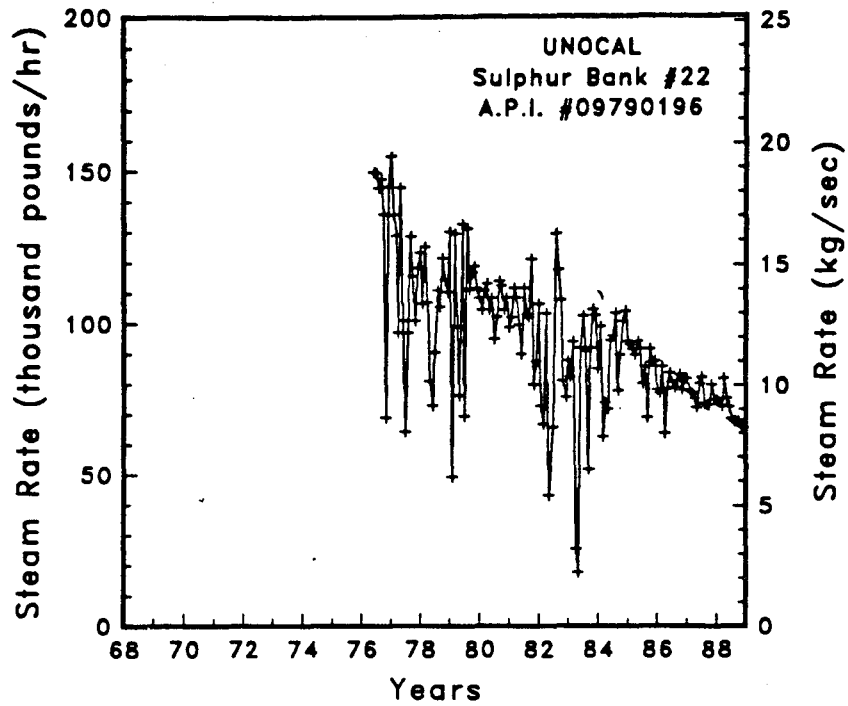


Figure A-220 Steam rate and cumulative mass flow for well Sulphur Bank #22

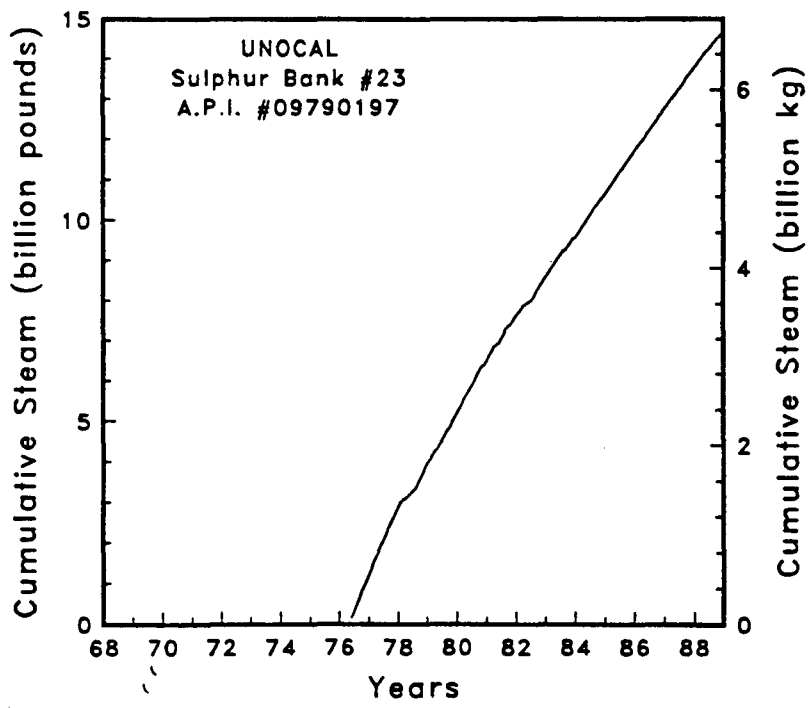
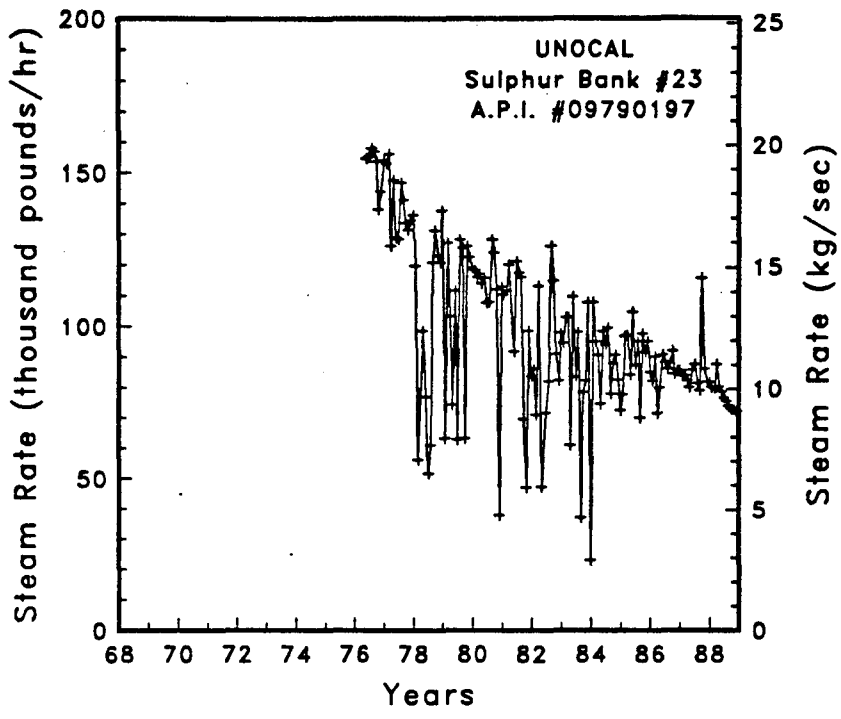


Figure A-221 Steam rate and cumulative mass flow for well Sulphur Bank #23

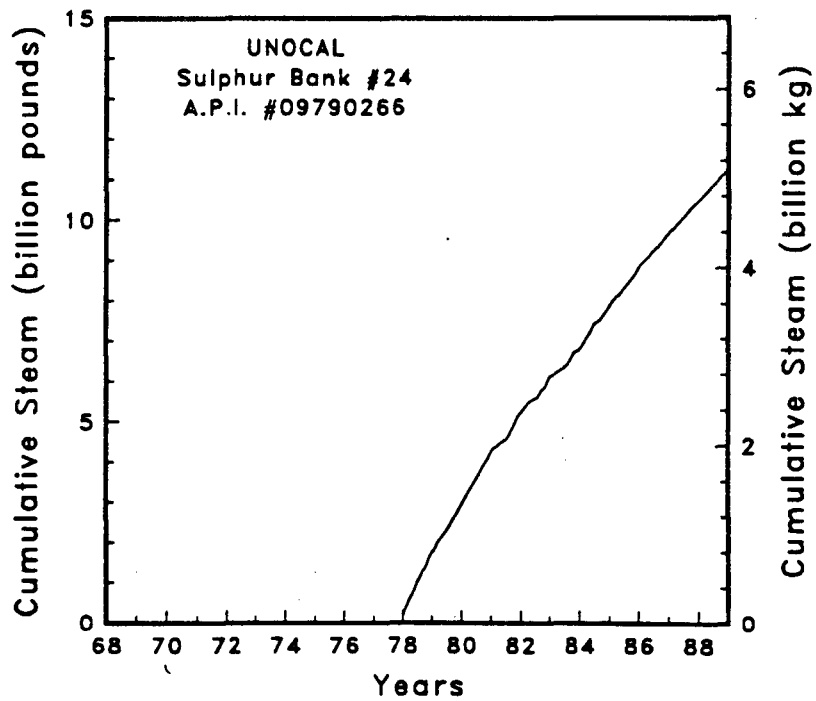
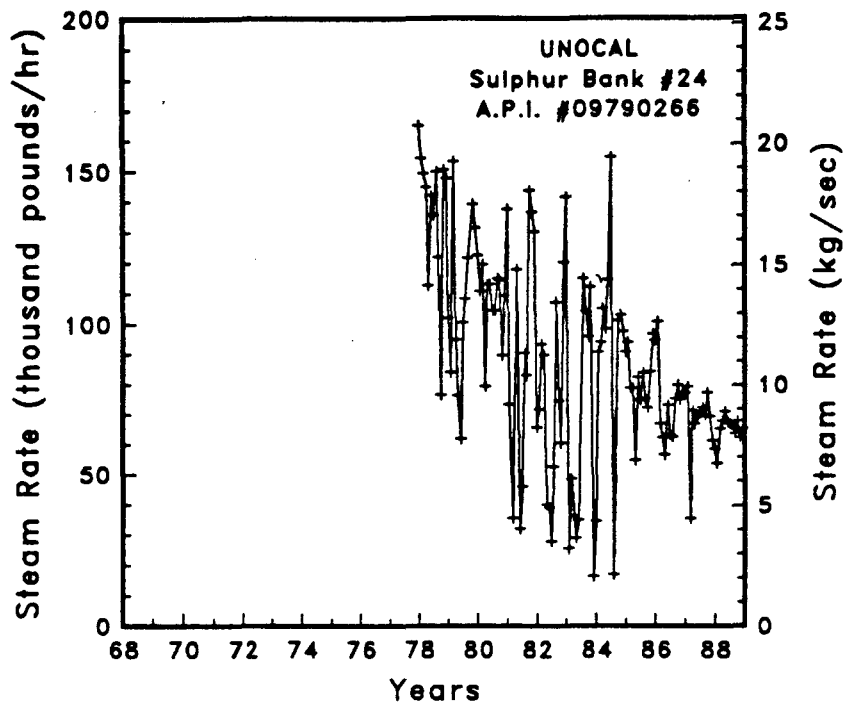


Figure A-222 Steam rate and cumulative mass flow for well Sulphur Bank #24

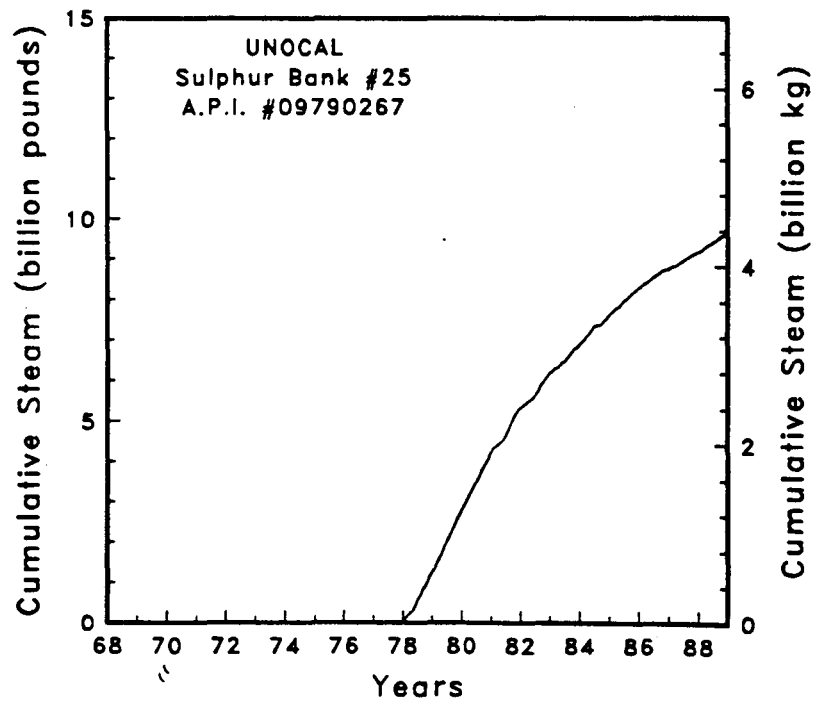
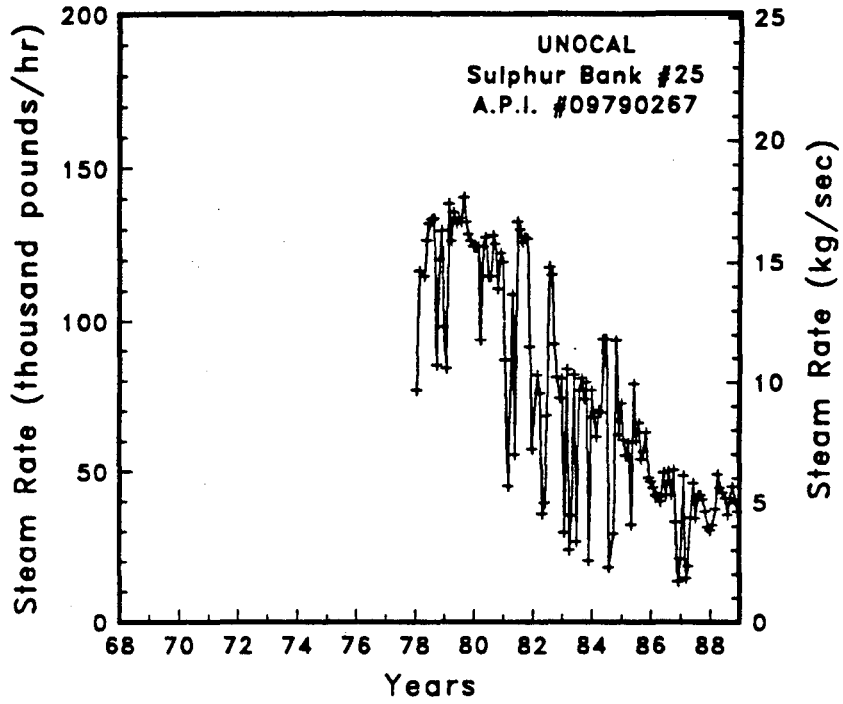


Figure A-223

Steam rate and cumulative mass flow for well Sulphur Bank #25

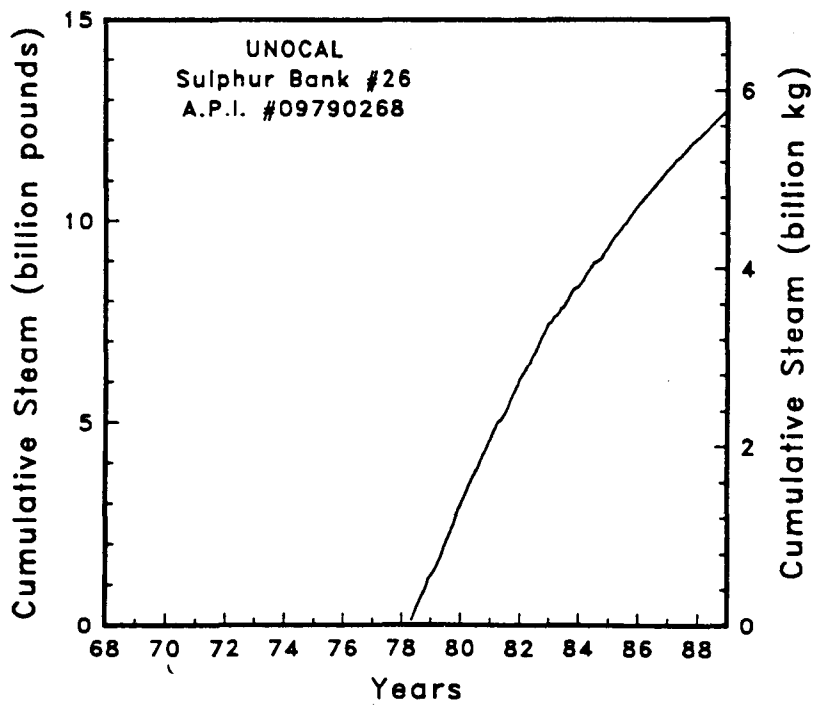
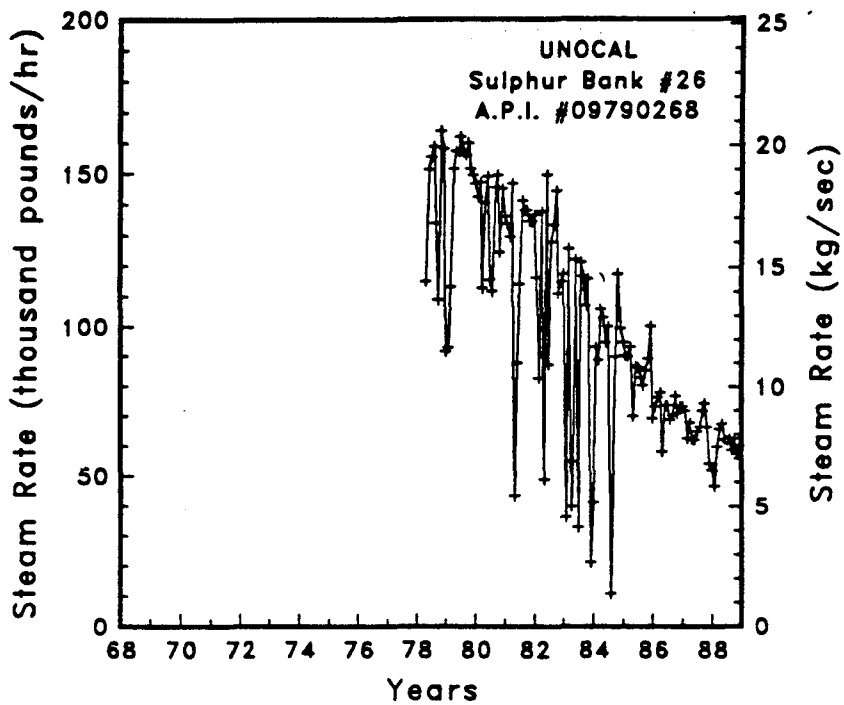


Figure A-224

Steam rate and cumulative mass flow for well Sulphur Bank #26

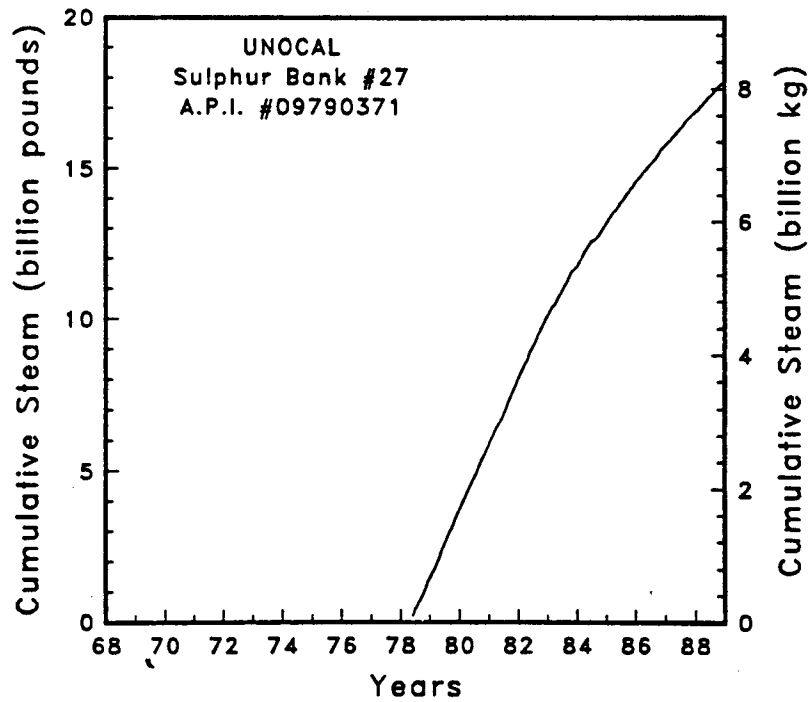
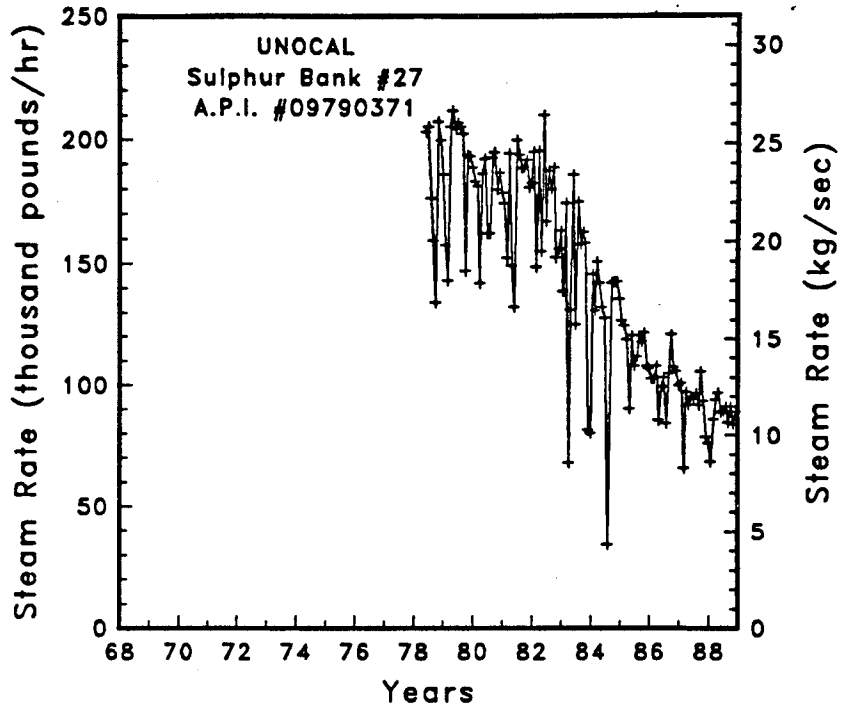


Figure A-225

Steam rate and cumulative mass flow for well Sulphur Bank #27

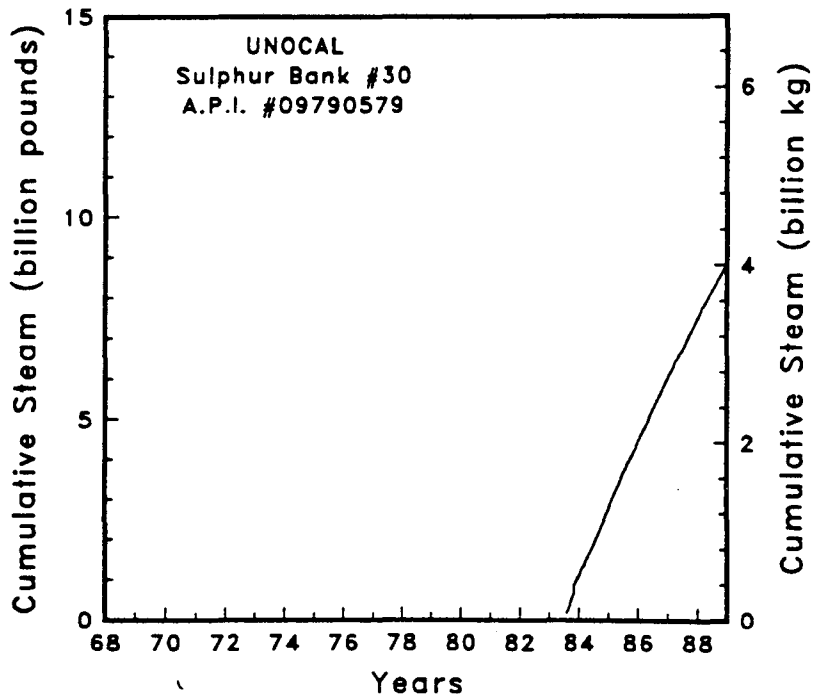
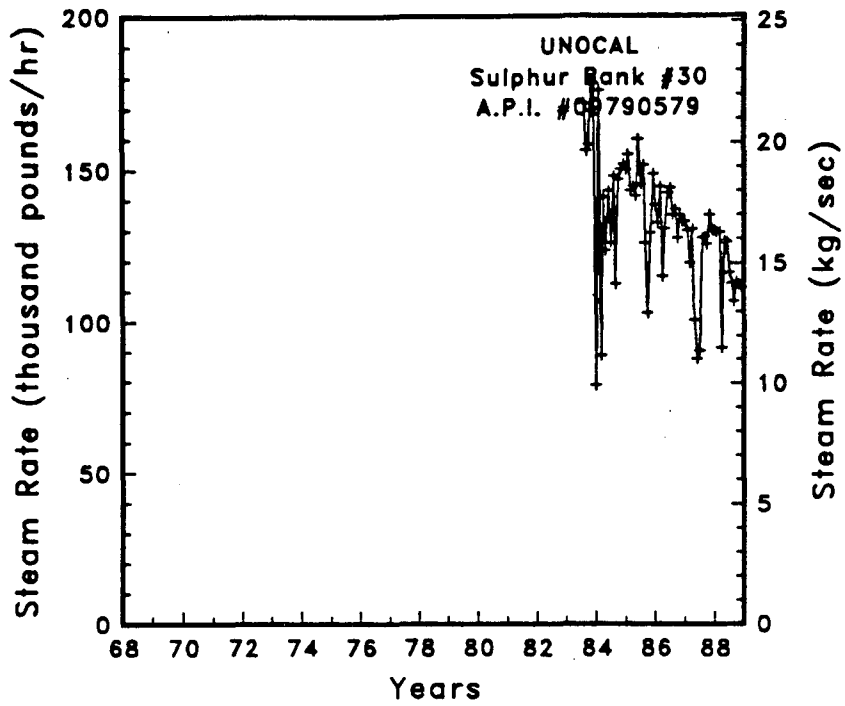


Figure A-226

Steam rate and cumulative mass flow for well Sulphur Bank #30

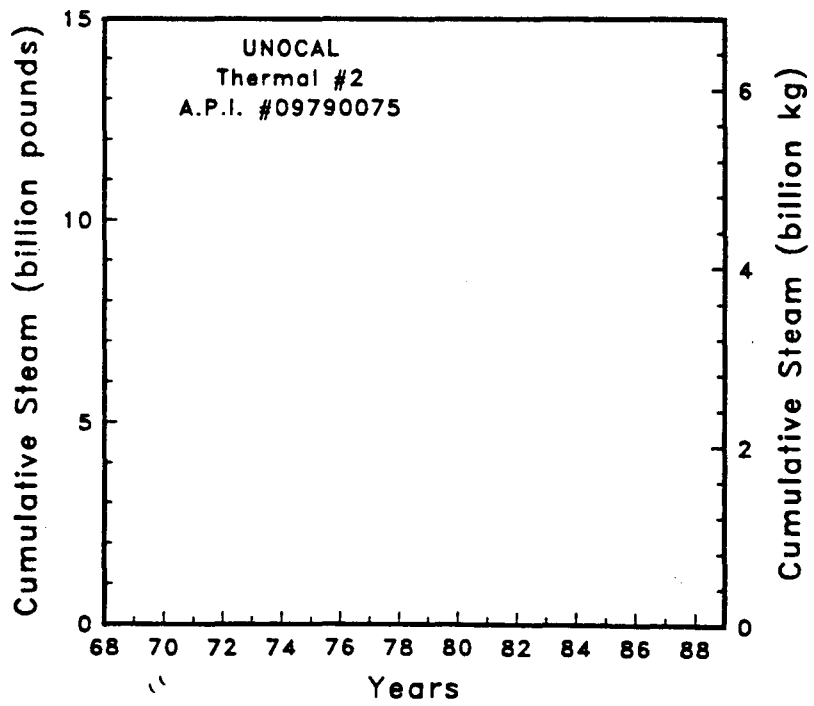
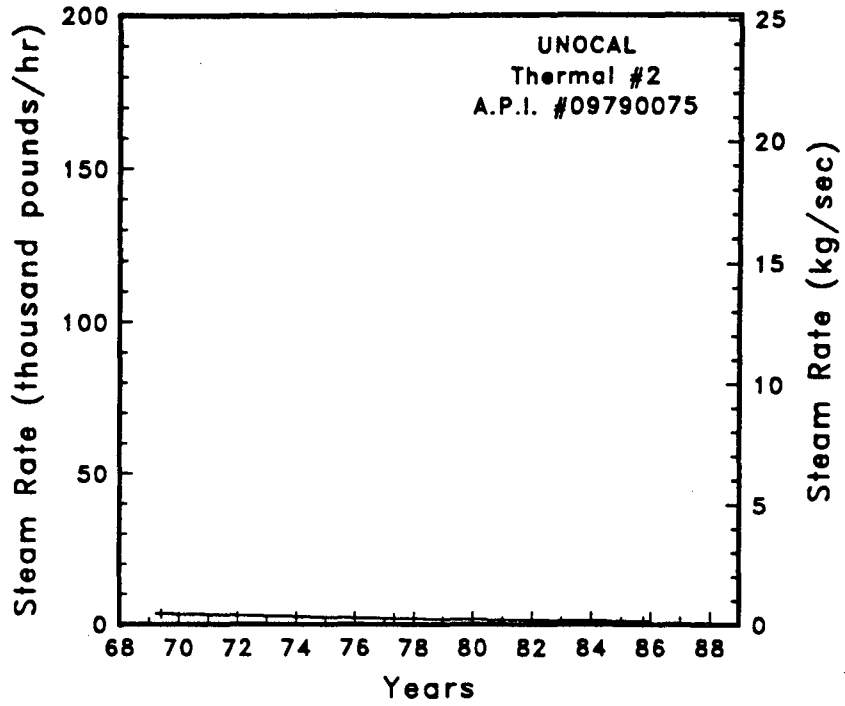


Figure A-227

Steam rate and cumulative mass flow for well Thermal #2



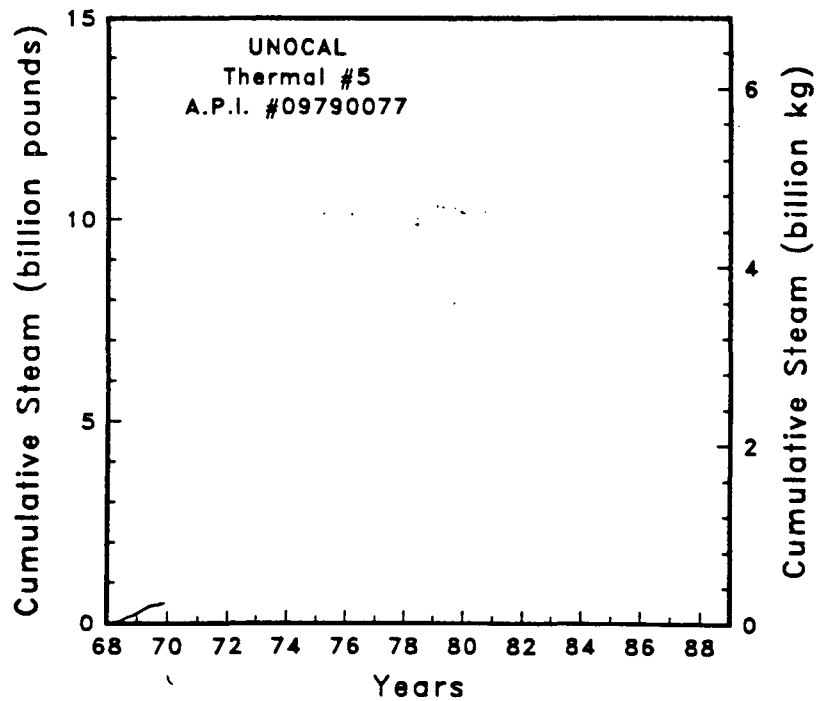
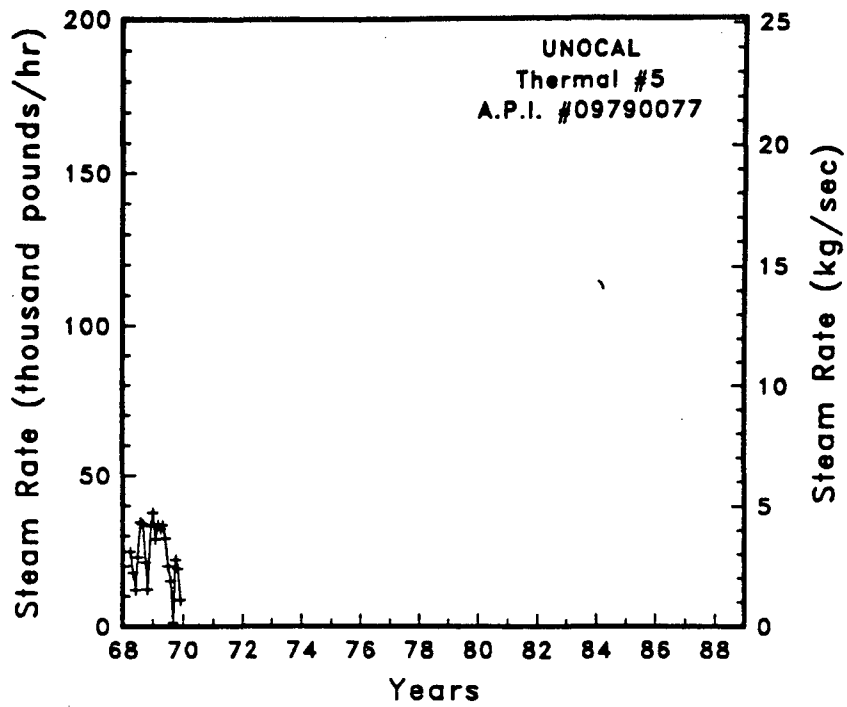


Figure A-228

Steam rate and cumulative mass flow for well Thermal #5

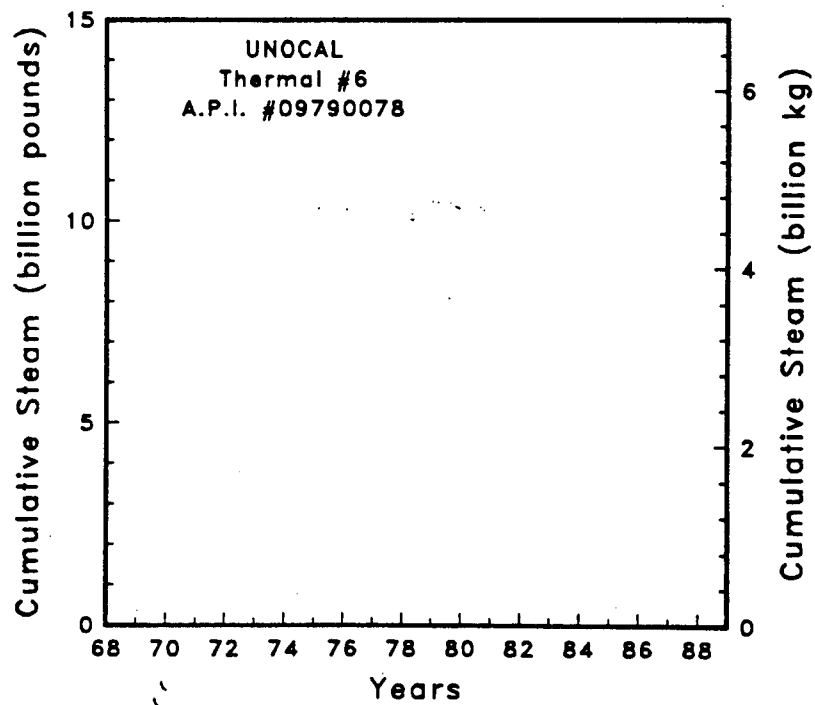
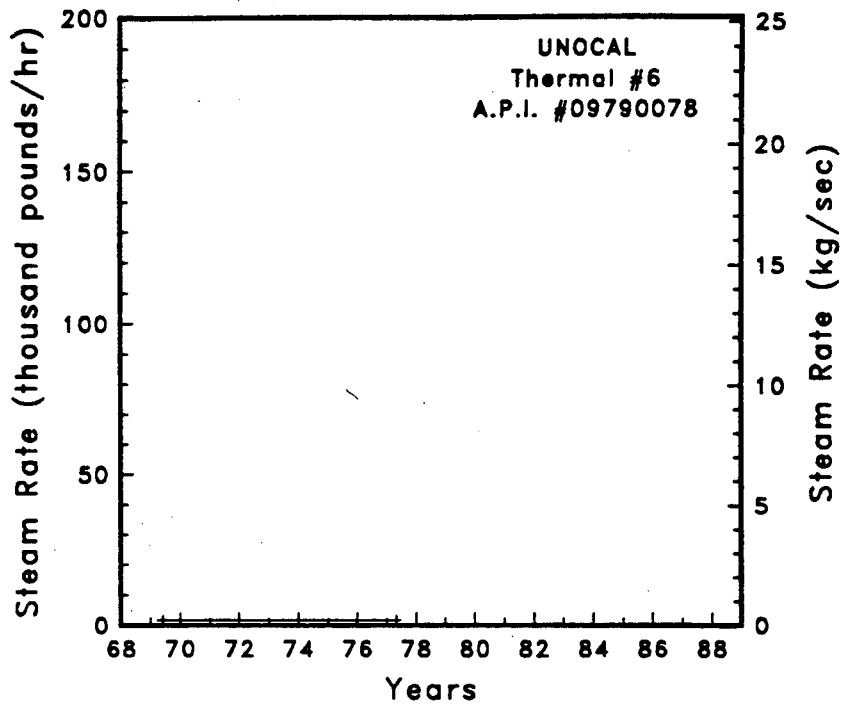


Figure A-229 Steam rate and cumulative mass flow for well Thermal #6

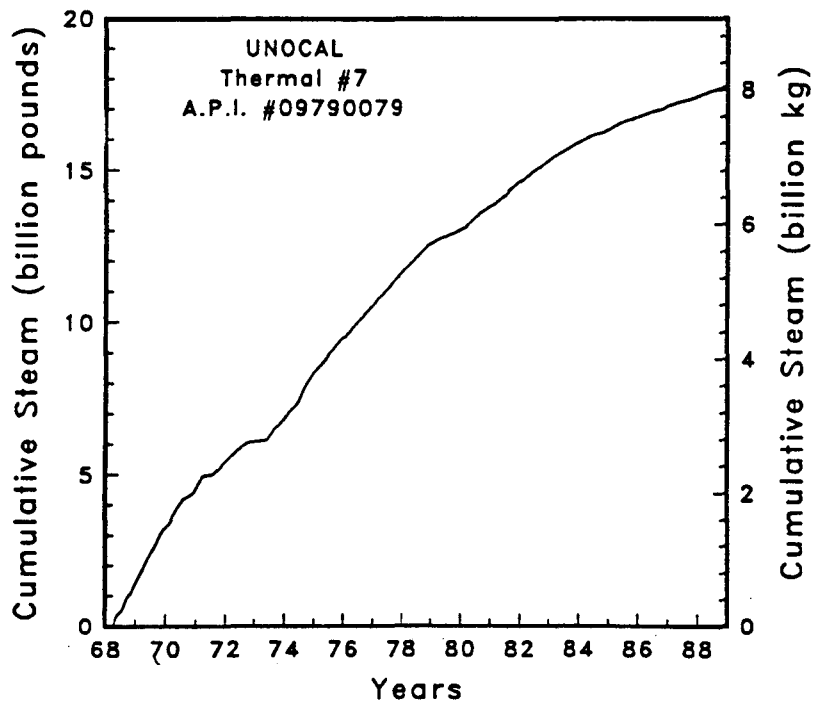
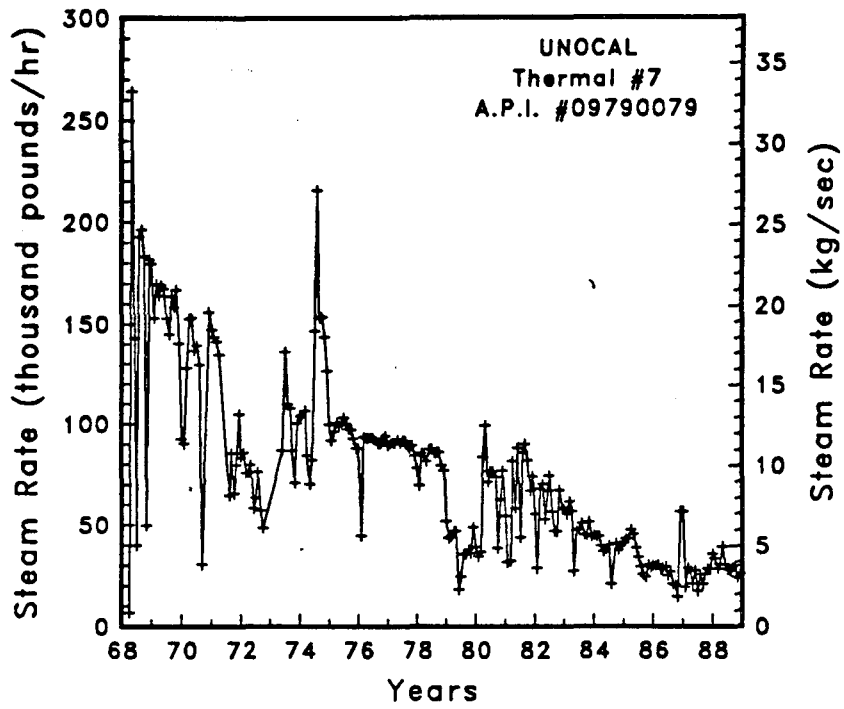


Figure A-230

Steam rate and cumulative mass flow for well Thermal #7

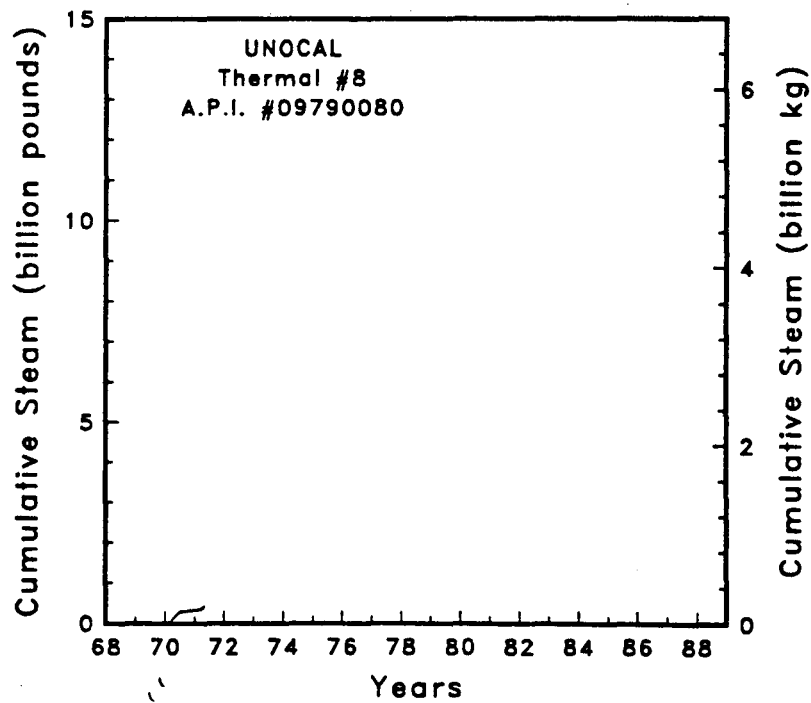
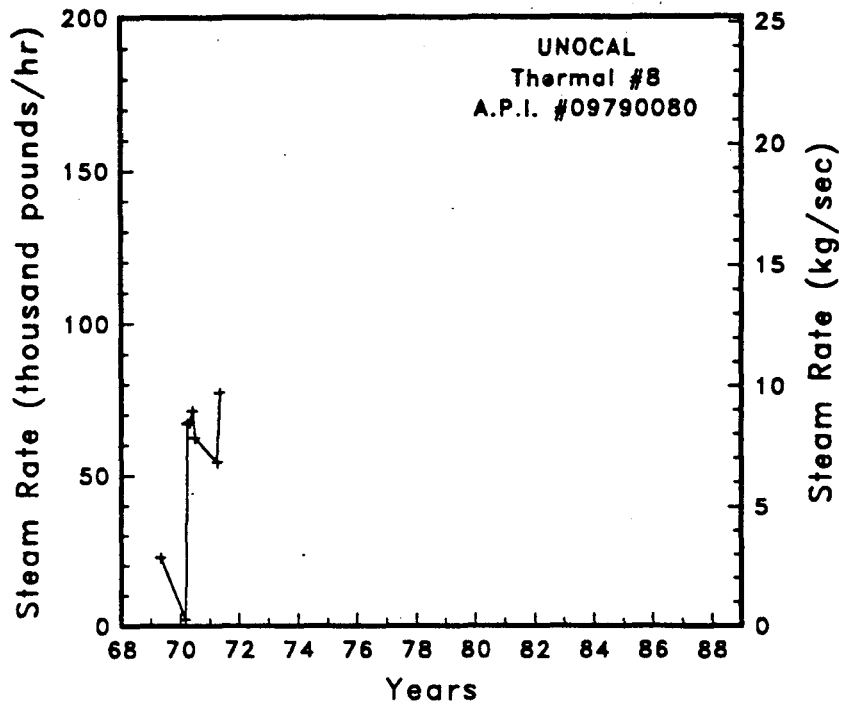


Figure A-231 Steam rate and cumulative mass flow for well Thermal #8

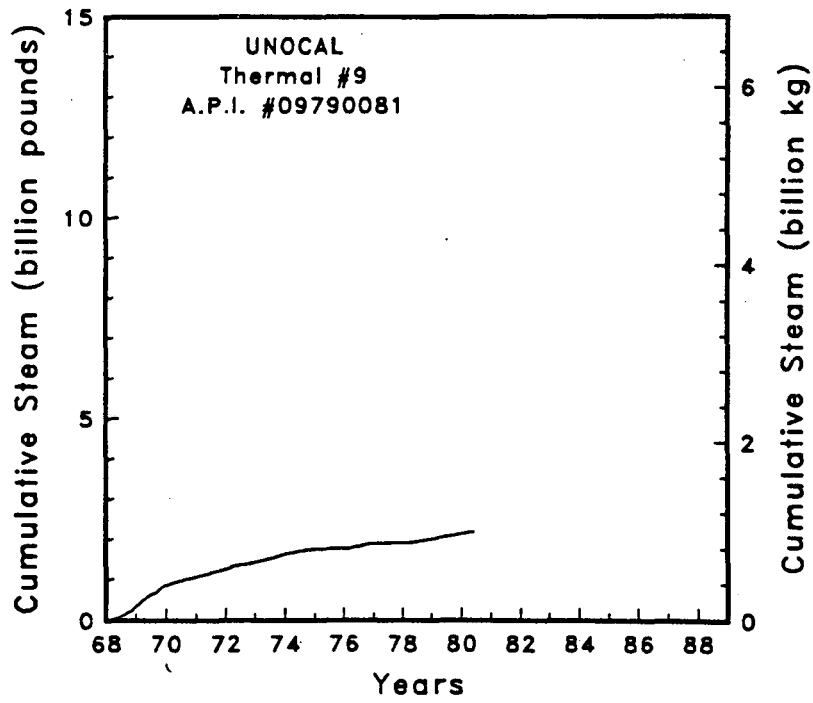
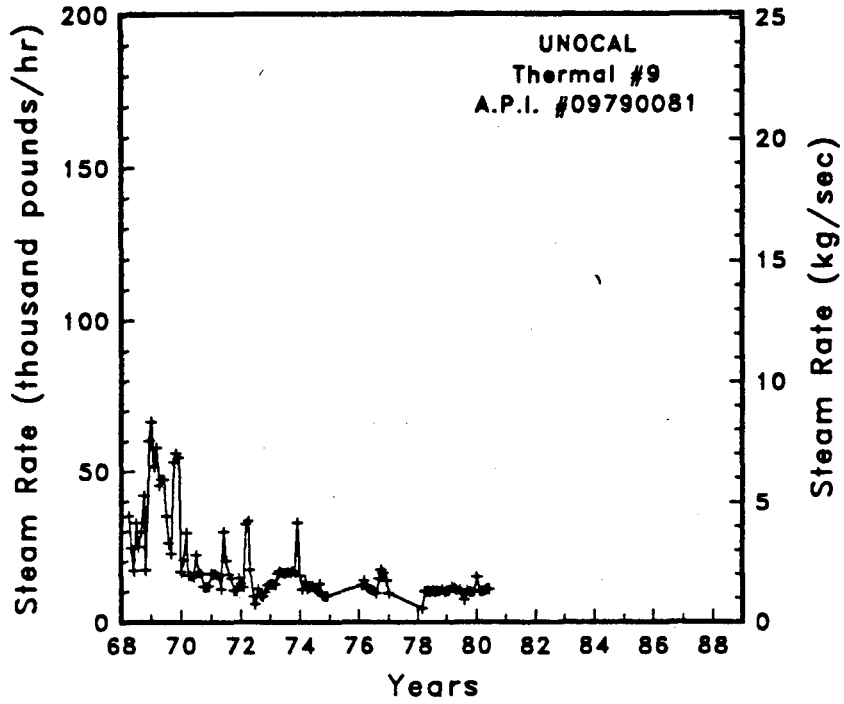


Figure A-232

Steam rate and cumulative mass flow for well Thermal #9

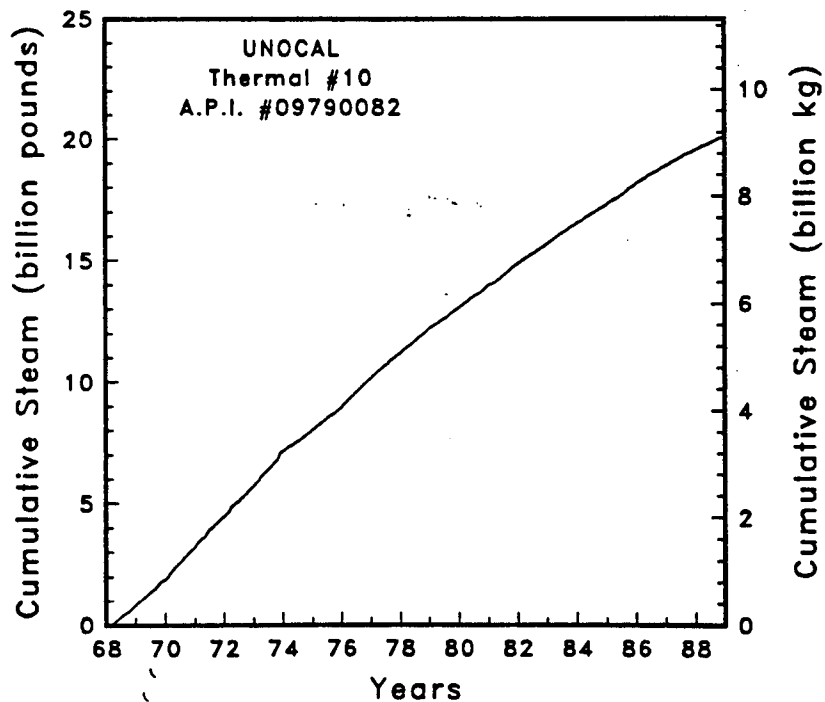
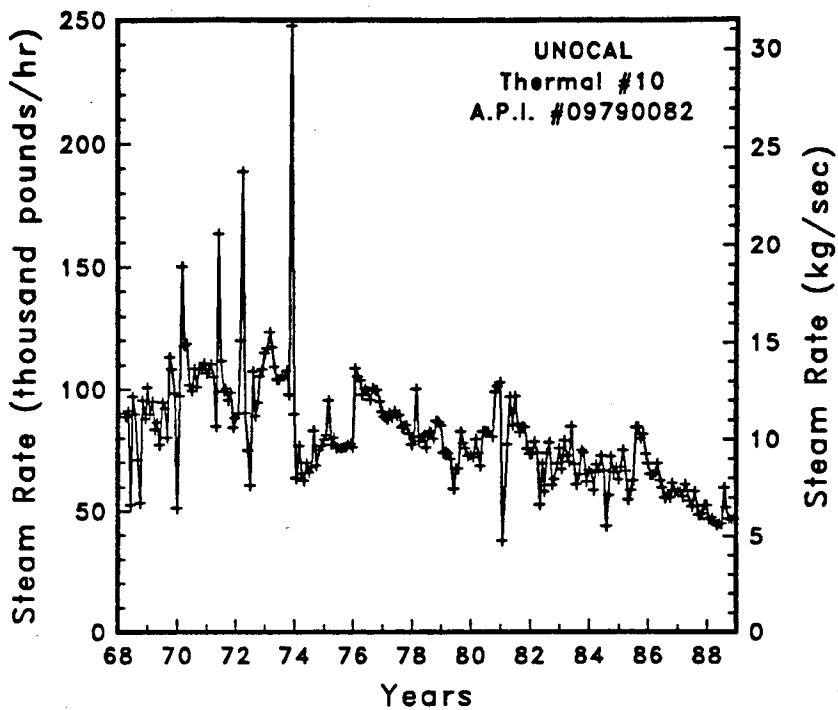


Figure A-233 Steam rate and cumulative mass flow for well Thermal #10

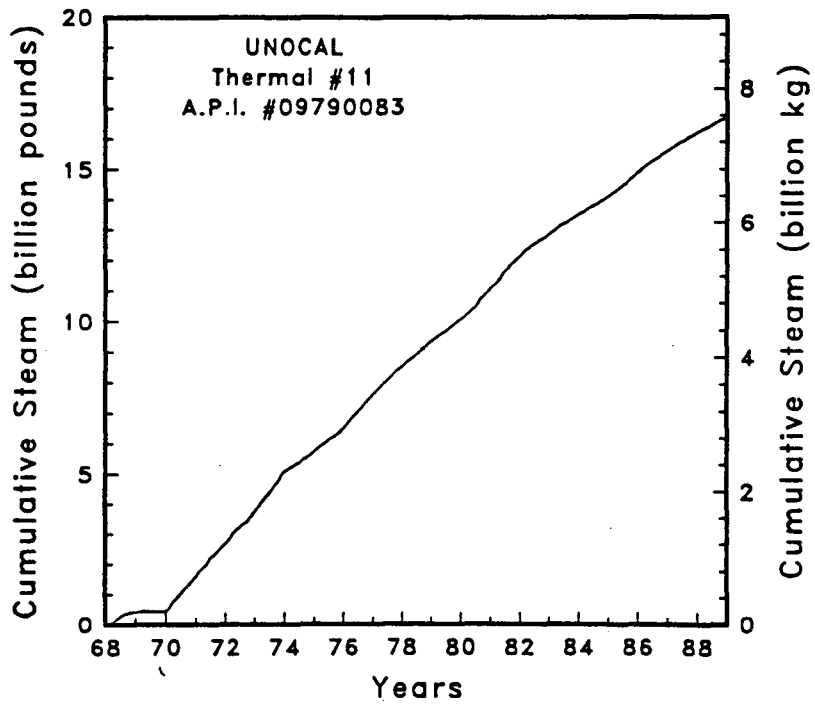
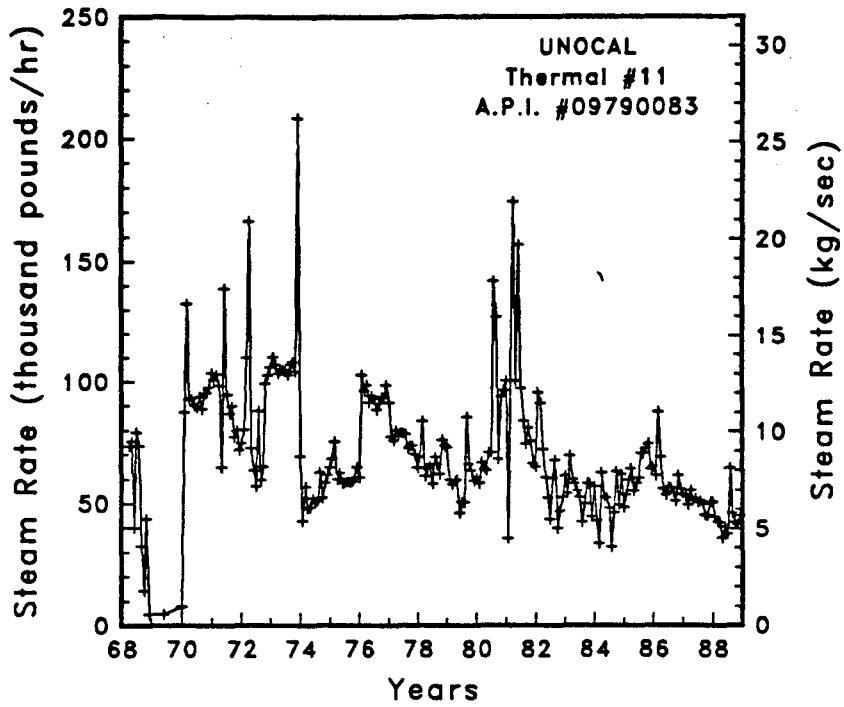


Figure A-234 Steam rate and cumulative mass flow for well Thermal #11

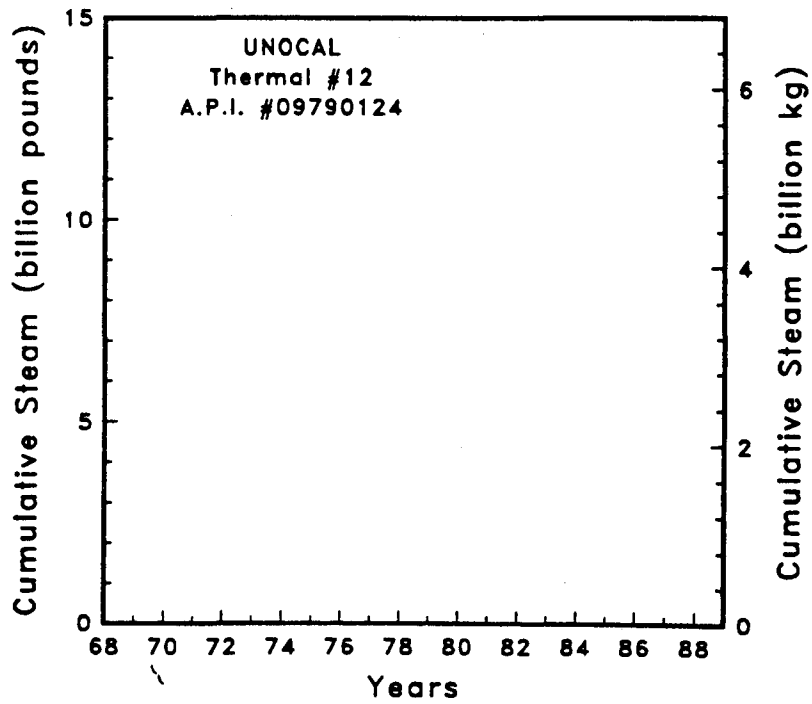
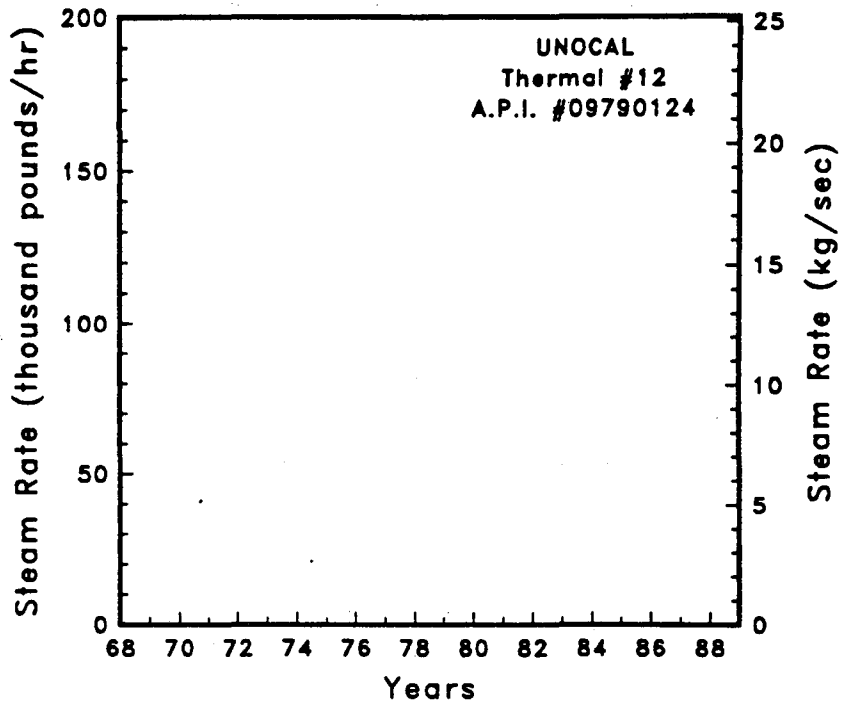


Figure A-235

Steam rate and cumulative mass flow for well Thermal #12



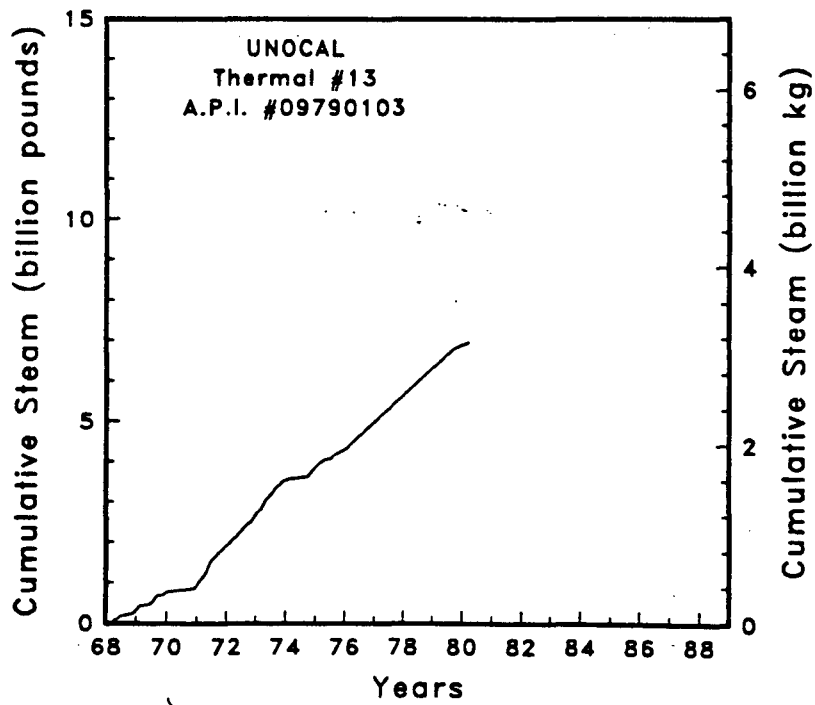
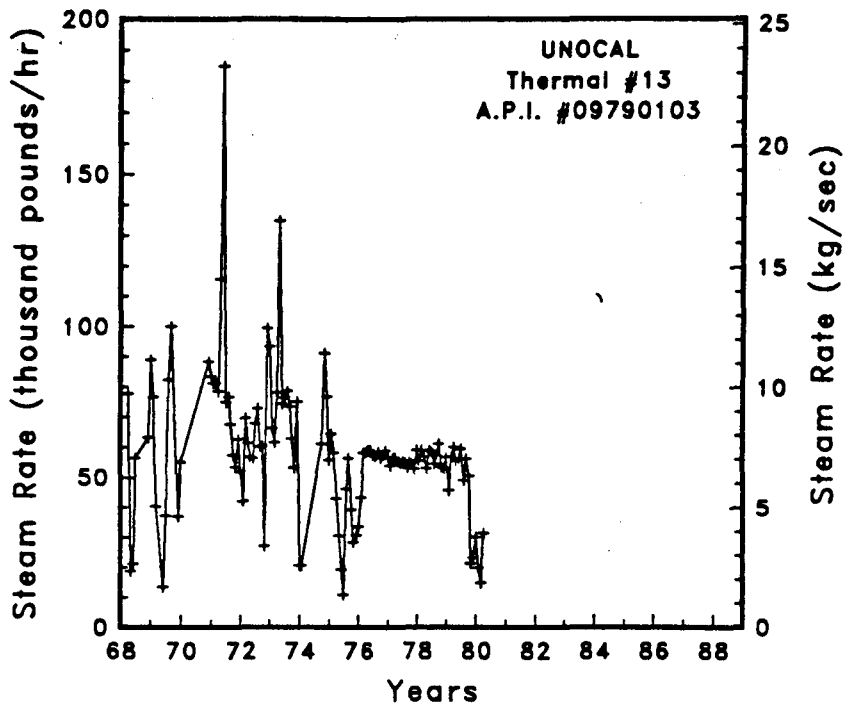


Figure A-236

Steam rate and cumulative mass flow for well Thermal #13

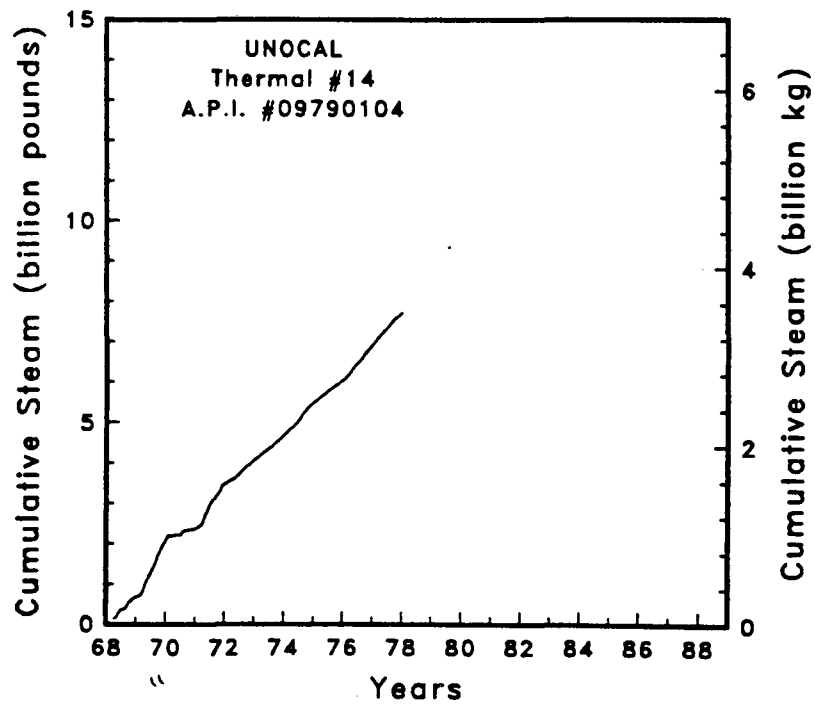
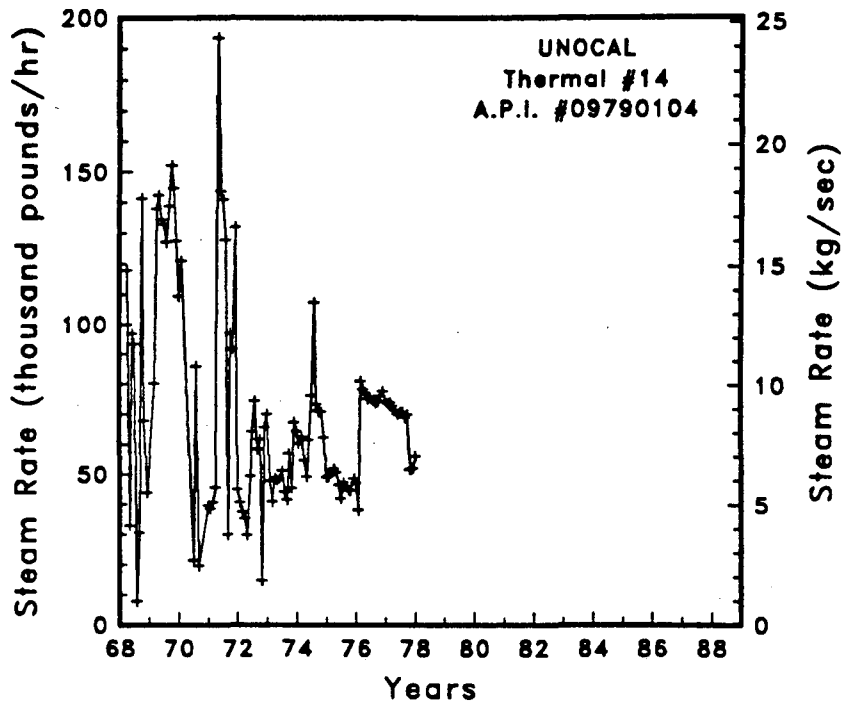


Figure A-237

Steam rate and cumulative mass flow for well Thermal #14

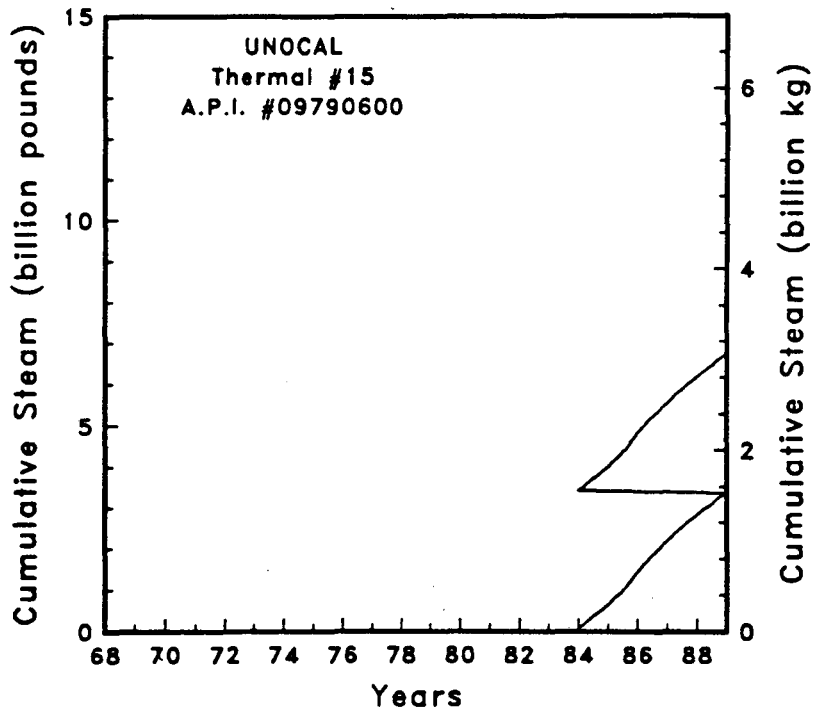
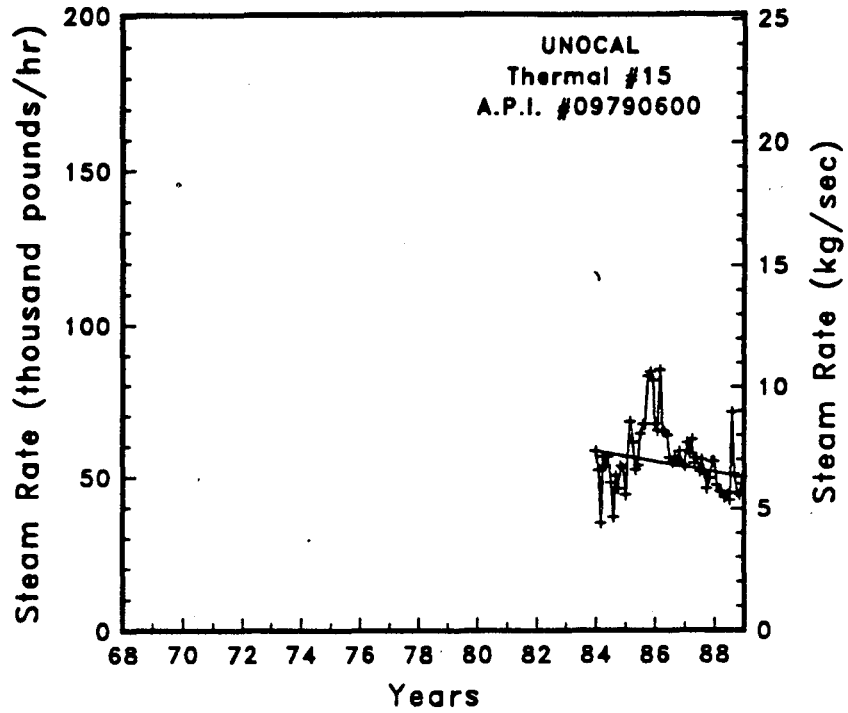


Figure A-238

Steam rate and cumulative mass flow for well Thermal #15

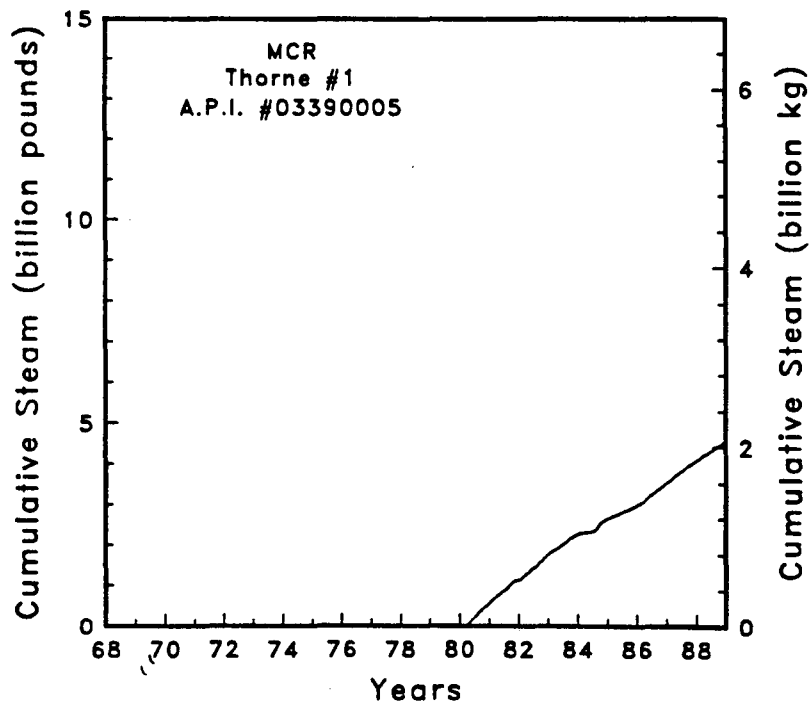
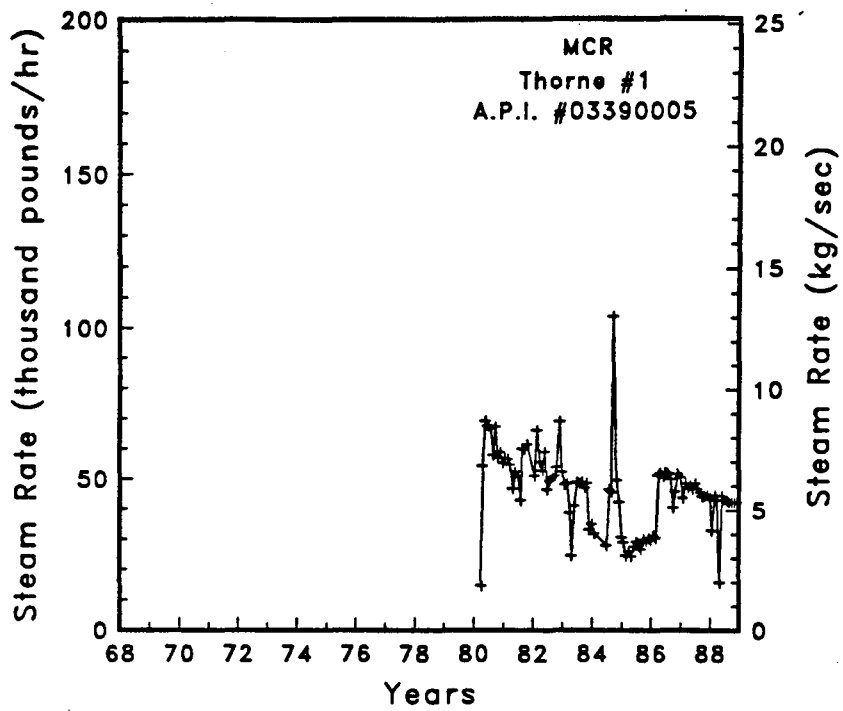


Figure A-239

Steam rate and cumulative mass flow for well Thorne #1

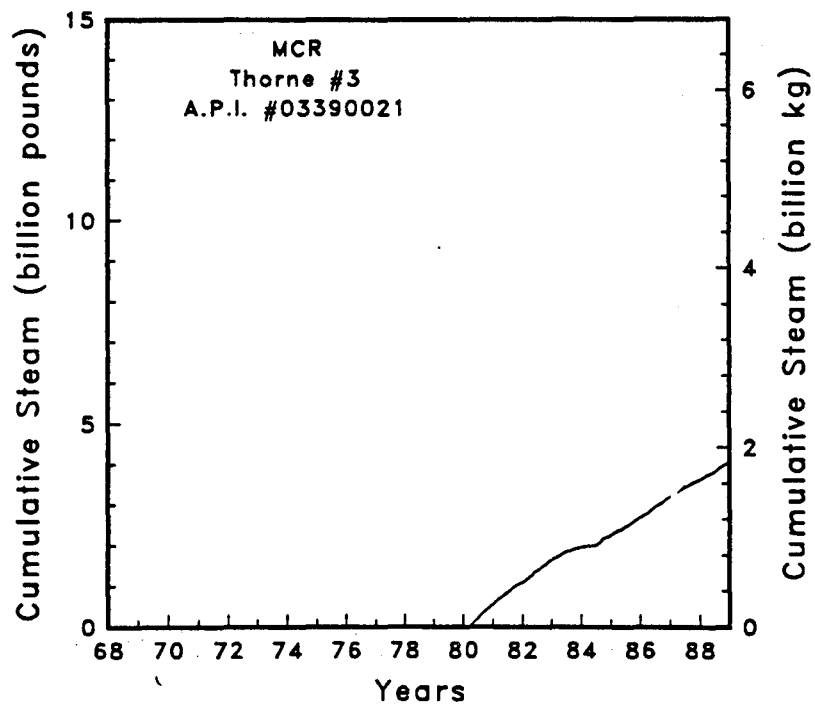
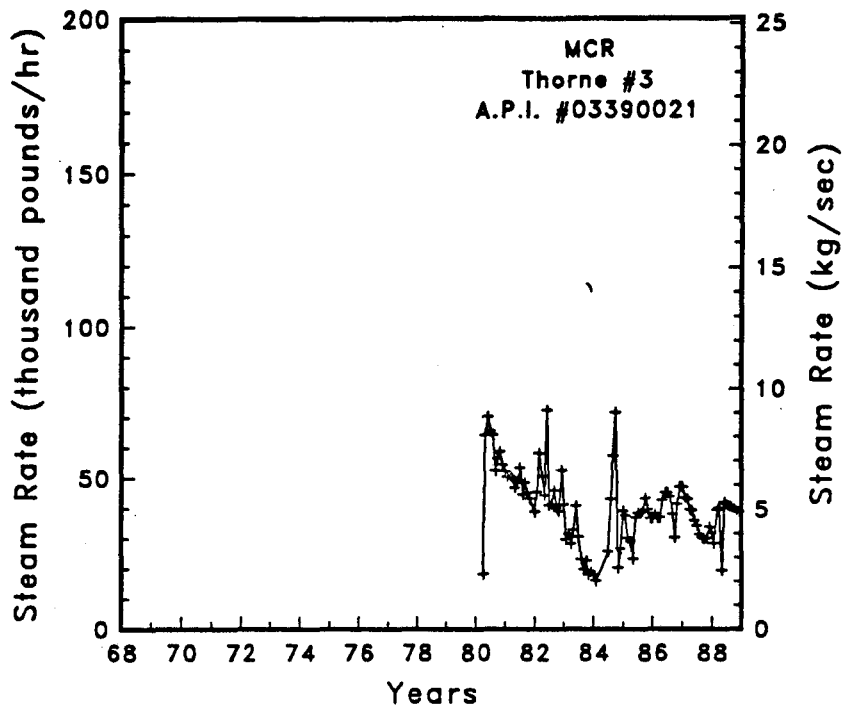


Figure A-240

Steam rate and cumulative mass flow for well Thorne #3

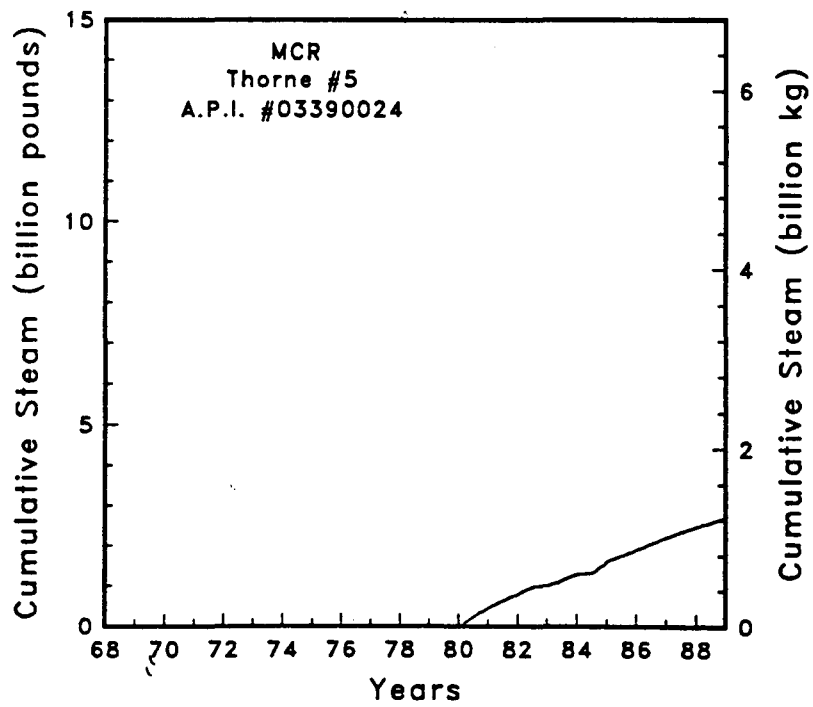
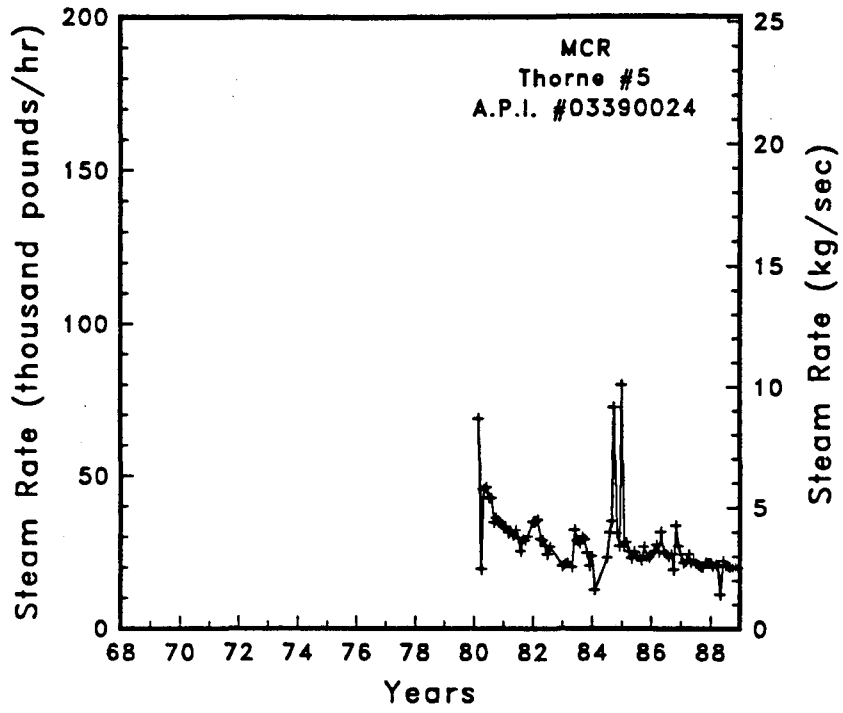


Figure A-241 Steam rate and cumulative mass flow for well Thorne #5

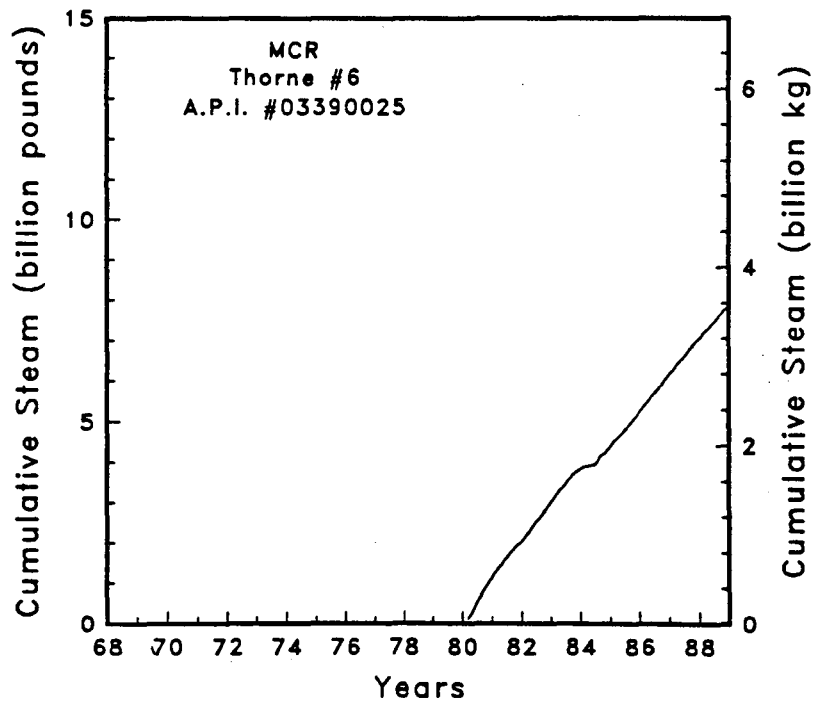
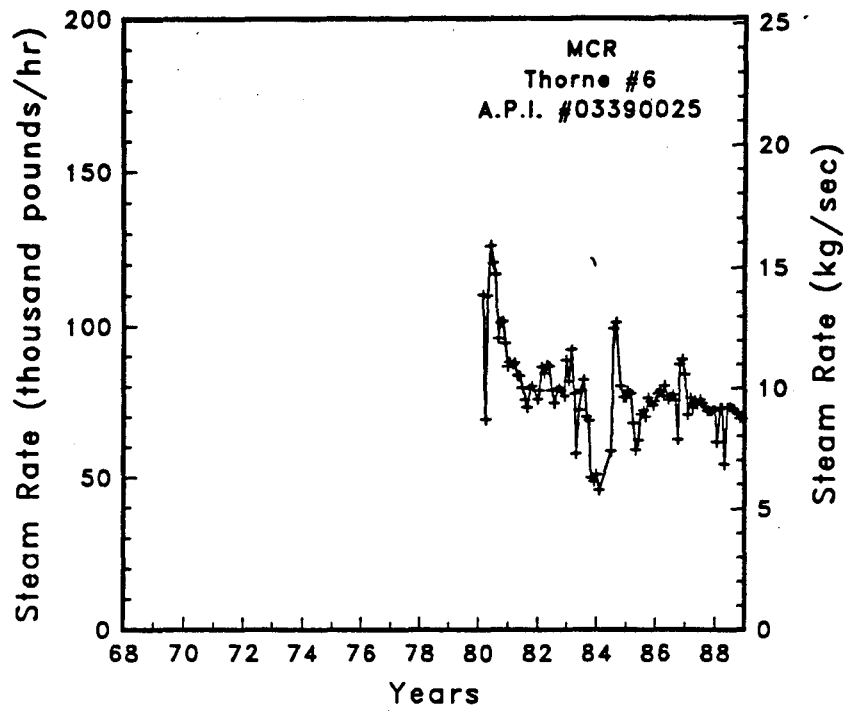


Figure A-242

Steam rate and cumulative mass flow for well Thorne #6

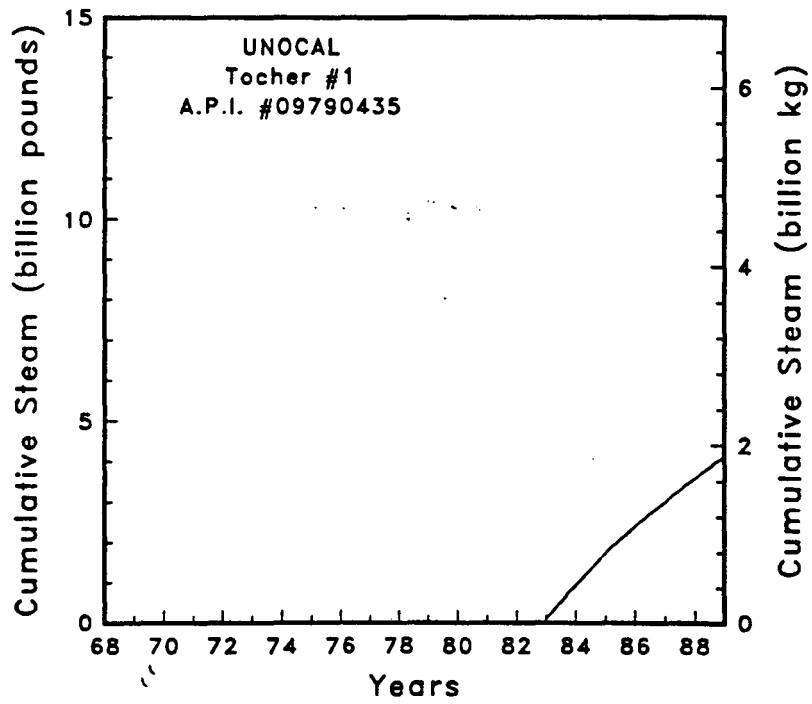
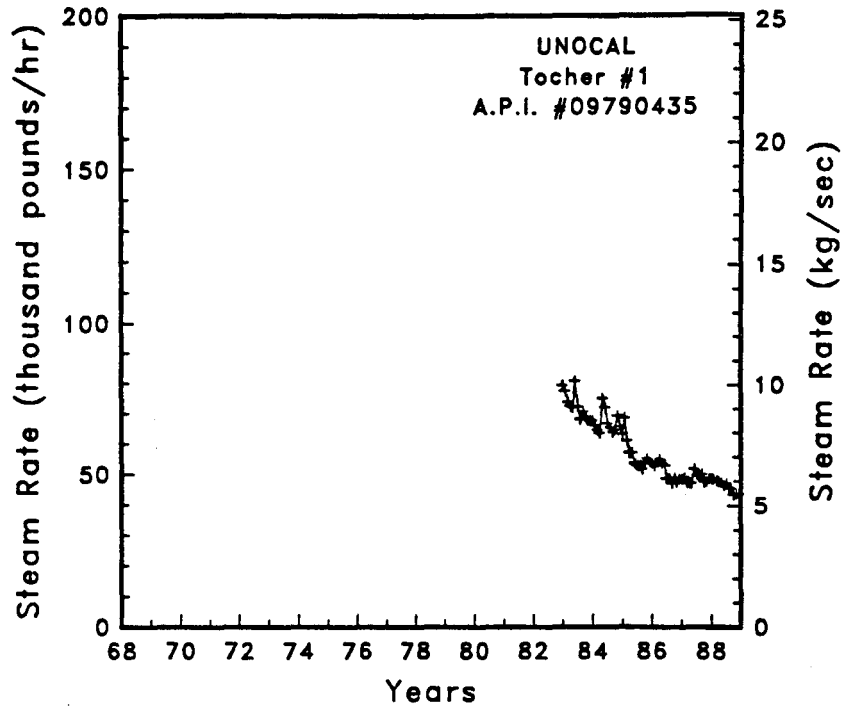


Figure A-243

Steam rate and cumulative mass flow for well Tocher #1



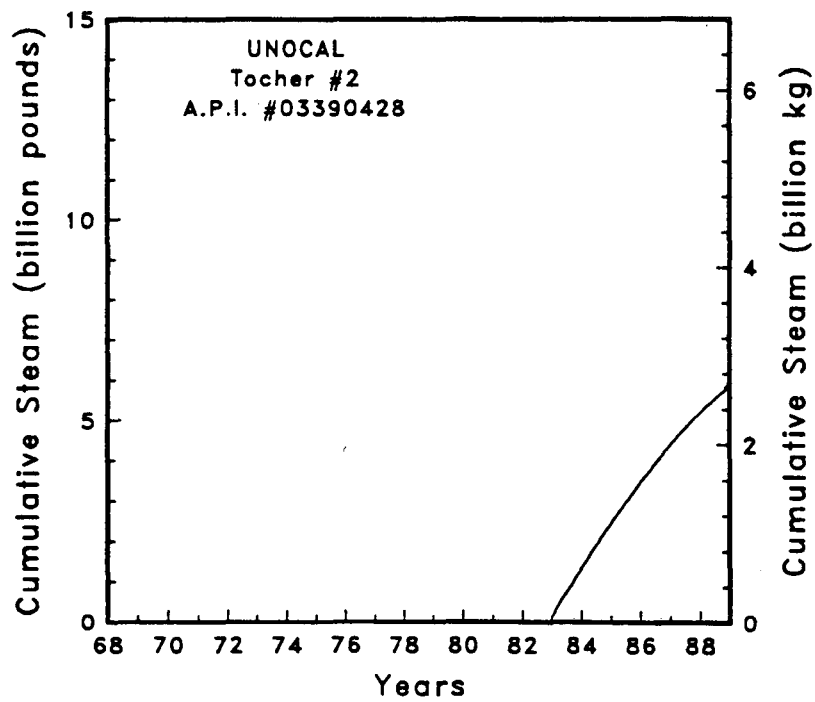
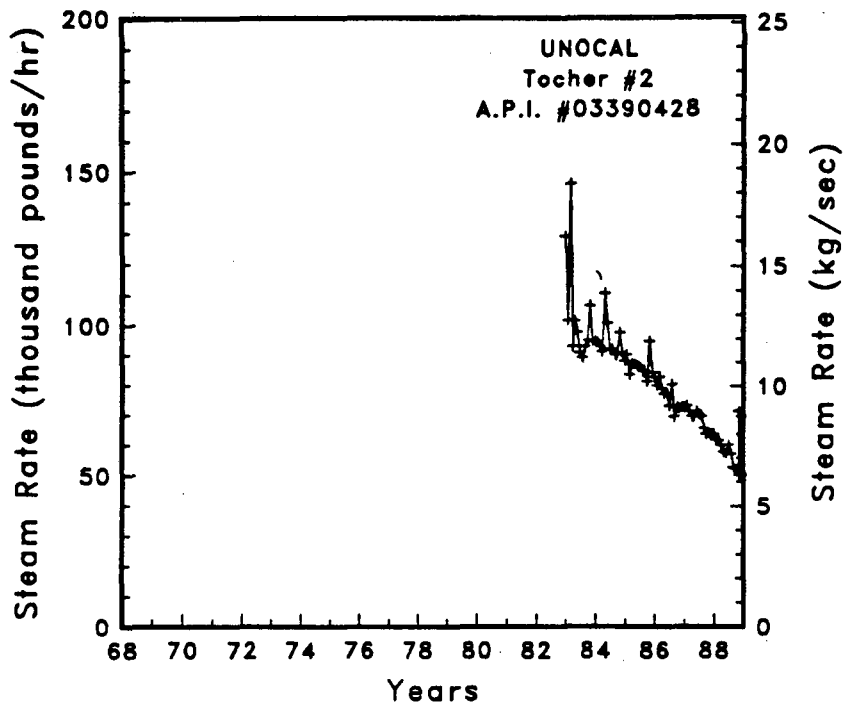


Figure A-244 Steam rate and cumulative mass flow for well Tocher #2

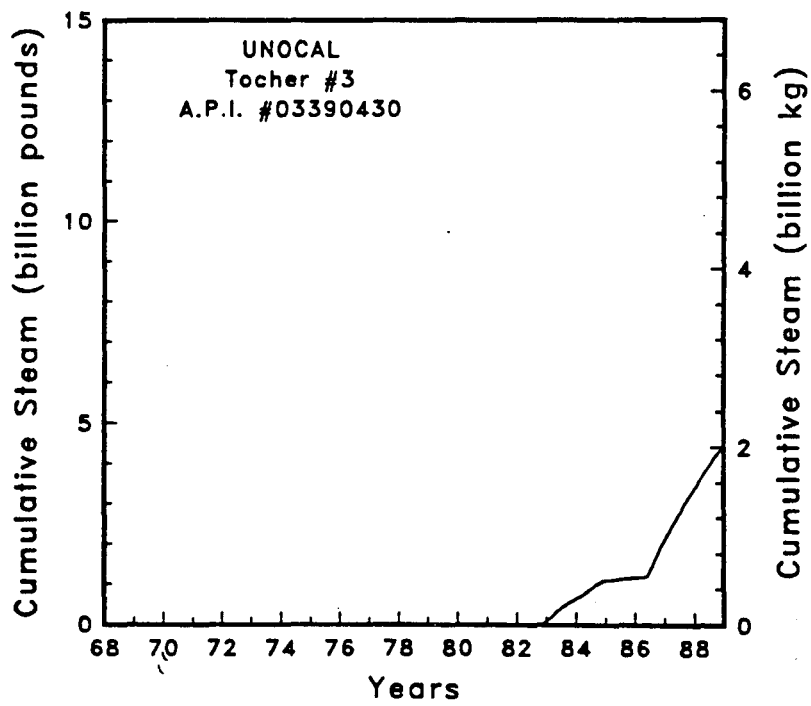
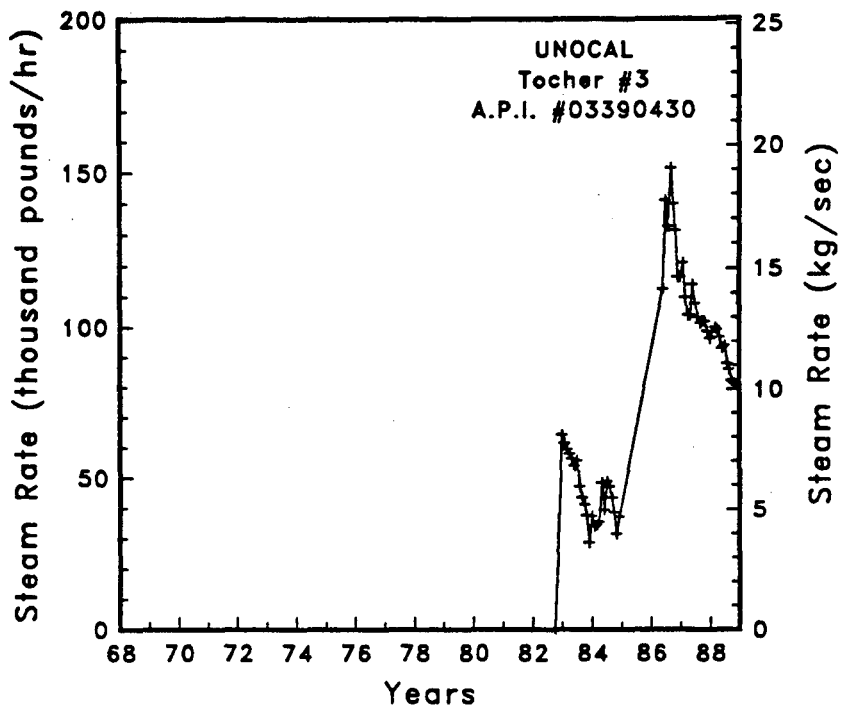


Figure A-245

Steam rate and cumulative mass flow for well Tocher #3

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