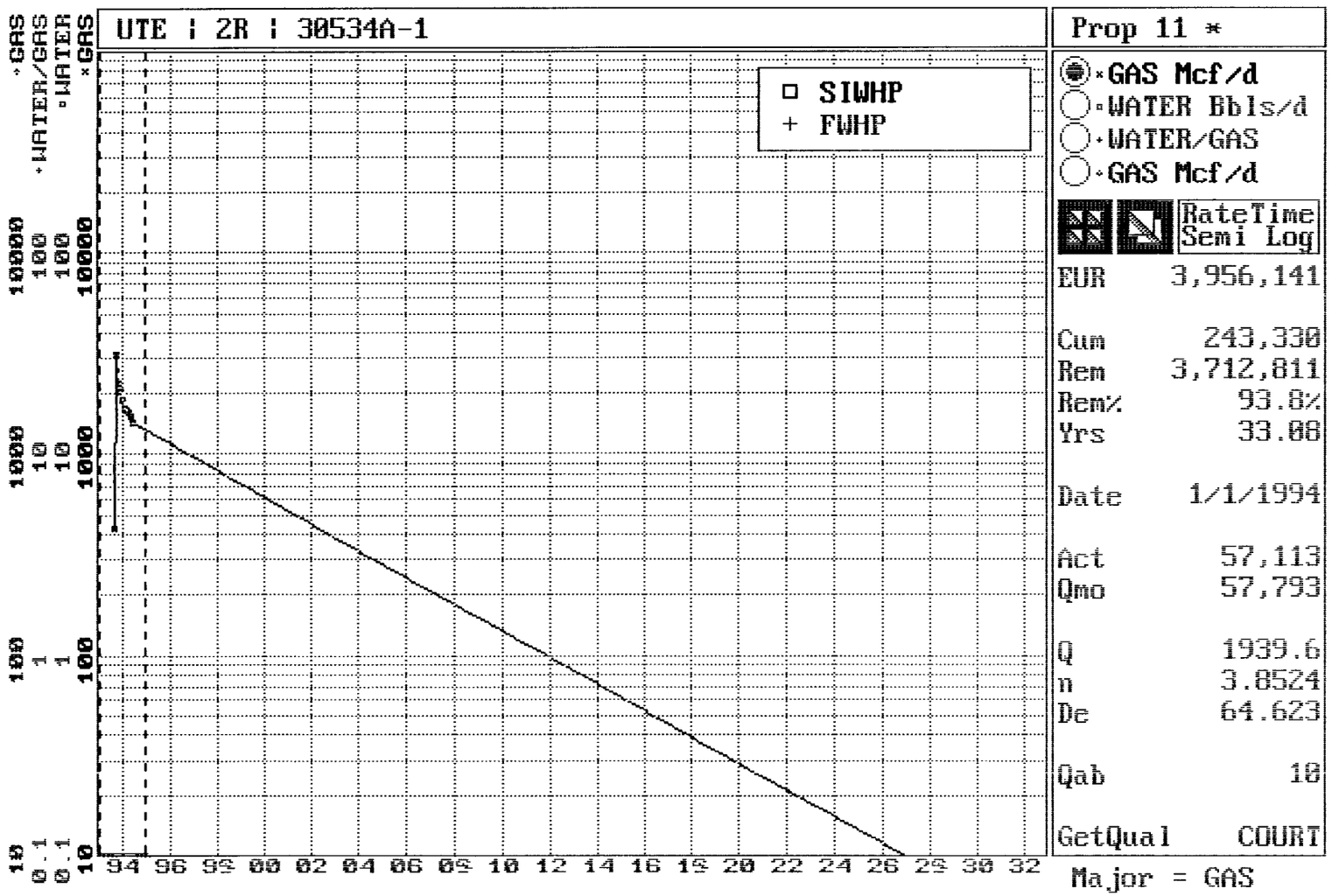
Nov. 10, 1994
Examiner ORC
Case No. 11089
EXHIBIT NO. 8

CASE NO. 11089
BARKER CREEK PARADOX GAS POOL
EXHIBIT NO.

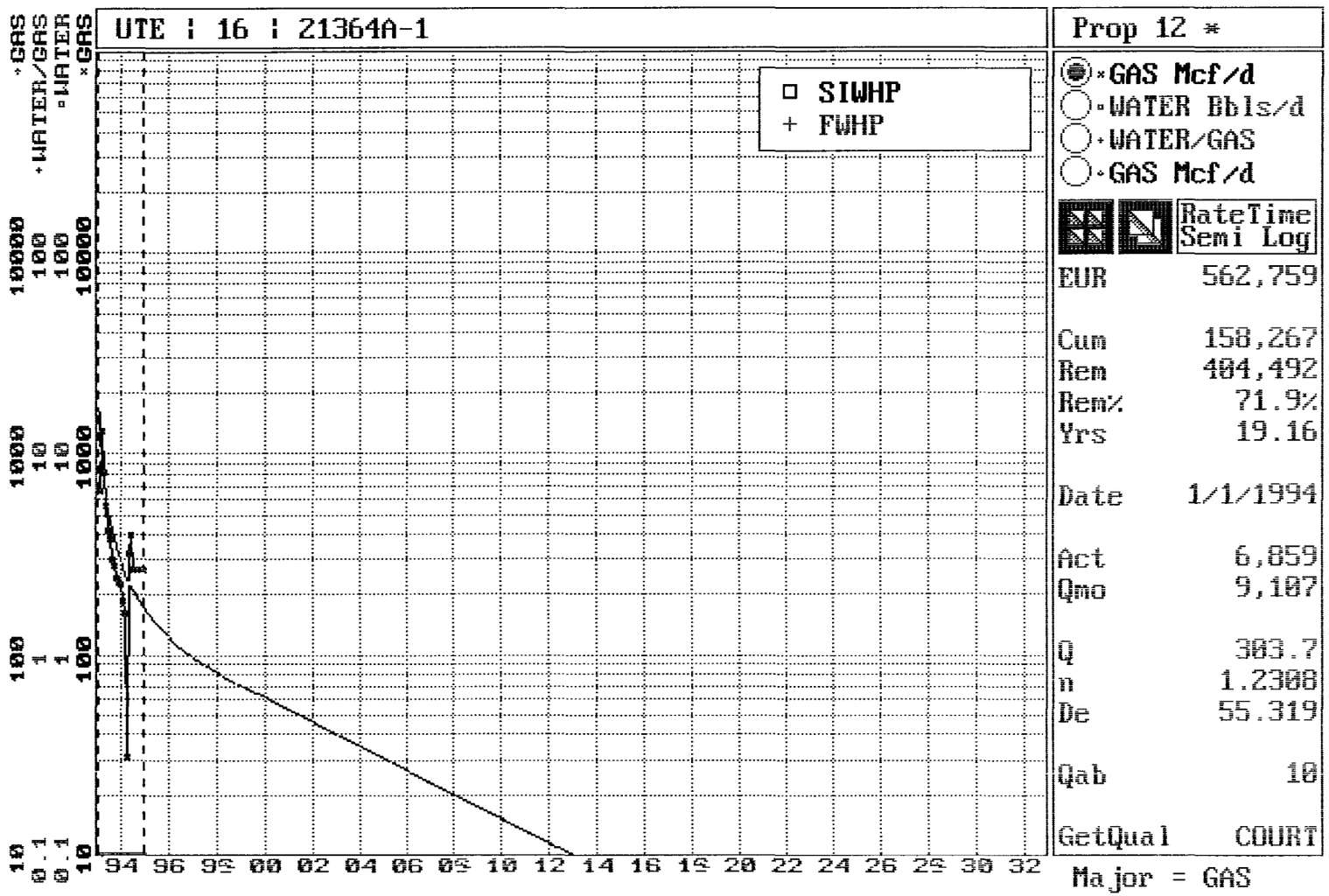


UTE No. 2R
Sec. 15, T32N, R13.5W
La Plata County, Colorado
Barker Creek Field
Desert Creek Formation
Volumetric Analysis

OGIP=43,560*A*H*PHI*(1-Sw)*Bgi
EUR=43,560*A*H*PHI*(1-Sw)*(Bgi-Bga)

	VALUE
H=Net feet of reservoir from log analysis	21
PHI=Porosity of reservoir from log analysis	13%
Sw= Water saturation from log analysis	28%
Bgi= Initial gas formation volume factor (standard cubic feet/reservoir cubic feet)	206
Bga= Abandonment gas formation volume factor (standard cubic feet/reservoir cubic feet)	40
EUR=Estimated ultimate recovery from production decline analysis	3,956,141
Bgi=Pi*Ts/Ps/Tr/Zr	206
Pi=Initial reservoir pressure	3,640
Ts=Standard temperature (rankine)	520
Tr=Reservoir temperature (rankine)	660
Zr=Ideal gas correction	0.95
Ps=Standard pressure	14.65
Bga=Pa*Ts/Ps/Tr/Zr	40
Pa=Abandonment reservoir pressure	750
Ts=Standard temperature (rankine)	520
Tr=Reservoir temperature (rankine)	660
Zr=Ideal gas correction	1
Ps=Standard pressure	14.65
Area=Reservoir drainage area in acres	288

CASE NO. 11089
BARKER CREEK PARADOX GAS POOL
EXHIBIT NO.

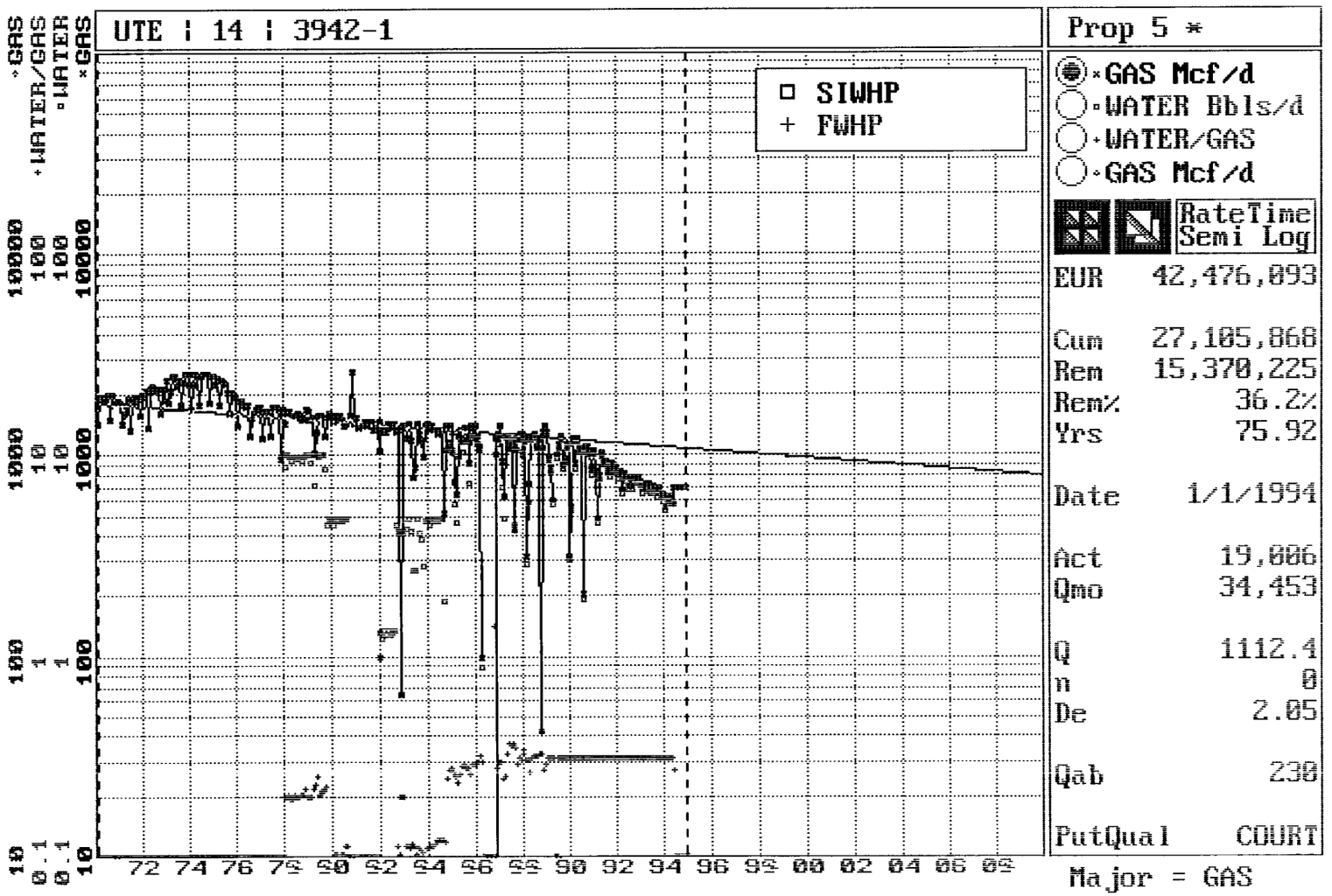


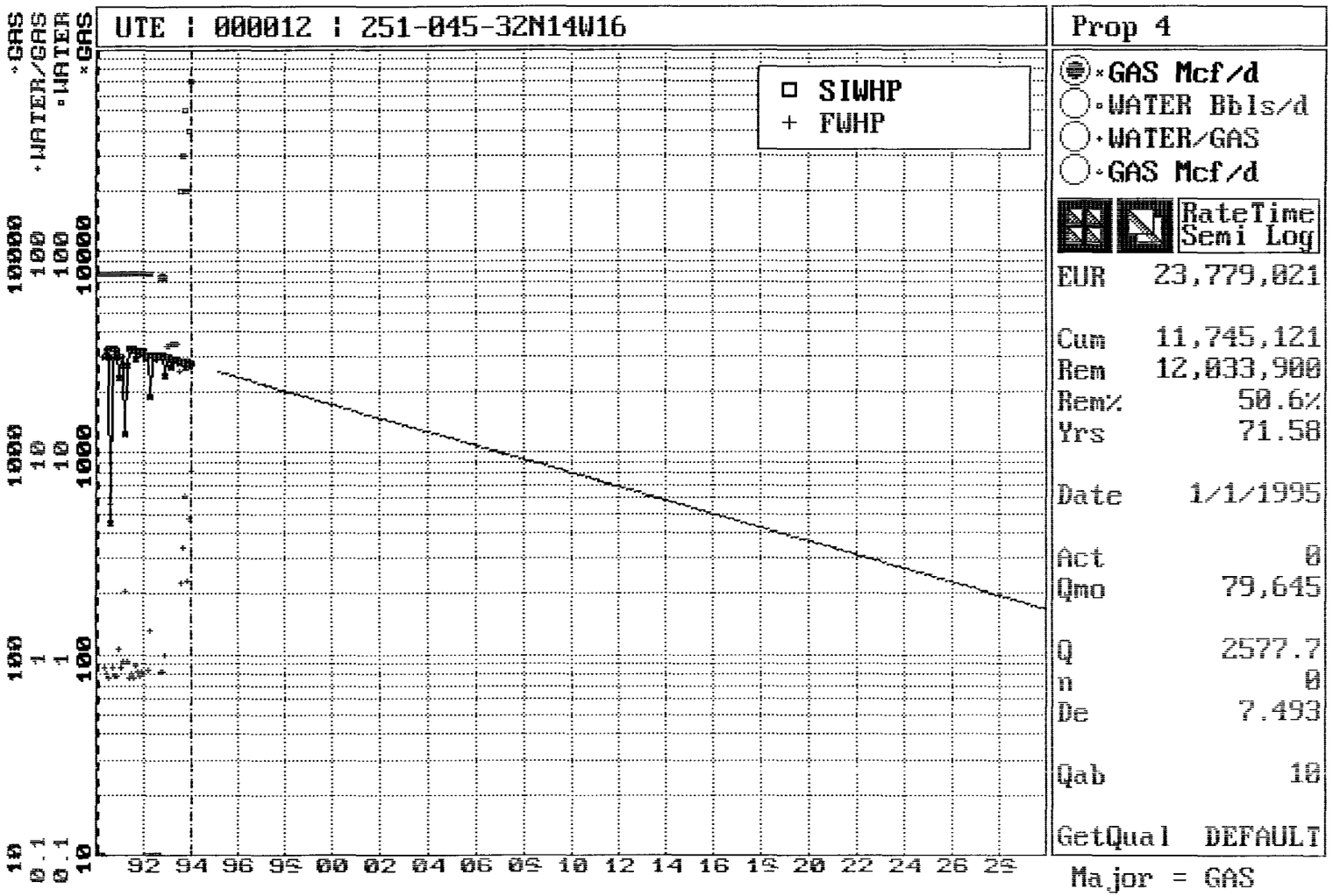
UTE No. 16
Sec. 22, T32N, R13.5W
La Plata County, Colorado
Barker Creek Field
Ismay Formation
Volumetric Analysis

OGIP=43,560*A*H*PHI*(1-Sw)*Bgi
EUR=43,560*A*H*PHI*(1-Sw)*(Bgi-Bga)

	VALUE
H=Net feet of reservoir from log analysis	24
PHI=Porosity of reservoir from log analysis	12%
Sw= Water saturation from log analysis	28%
Bgi= Initial gas formation volume factor (standard cubic feet/reservoir cubic feet)	201
Bga= Abandonment gas formation volume factor (standard cubic feet/reservoir cubic feet)	40
EUR=Estimated ultimate recovery from production decline analysis	562,759
Bgi=Pi*Ts/Ps/Tr/Zr	201
Pi=Initial reservoir pressure	3,550
Ts=Standard temperature (rankine)	520
Tr=Reservoir temperature (rankine)	660
Zr=Ideal gas correction	0.95
Ps=Standard pressure	14.65
Bga=Pa*Ts/Ps/Tr/Zr	40
Pa=Abandonment reservoir pressure	750
Ts=Standard temperature (rankine)	520
Tr=Reservoir temperature (rankine)	660
Zr=Ideal gas correction	1
Ps=Standard pressure	14.65
Area=Reservoir drainage area in acres	39

CASE NO. 11089
BARKER CREEK PARADOX GAS POOL
EXHIBIT NO.




UTE : 000012 : 251-045-32N14W16
SIWHP
FWHP
·GAS
·WATER/GAS
·WATER
×GAS
10000
100
1000
10
100
1
10
0.1
92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26 28
Prop 4
×GAS Mcf/d
·WATER Bbls/d
·WATER/GAS
·GAS Mcf/d
RateTime
Semi Log
EUR 23,779,021
Cum 11,745,121
Rem 12,033,900
Rem% 50.6%
Yrs 71.58
Date 1/1/1995
Act 0
Qmo 79,645
Q 2577.7
n 0
De 7.493
Qab 10
GetQual DEFAULT
Major = GAS

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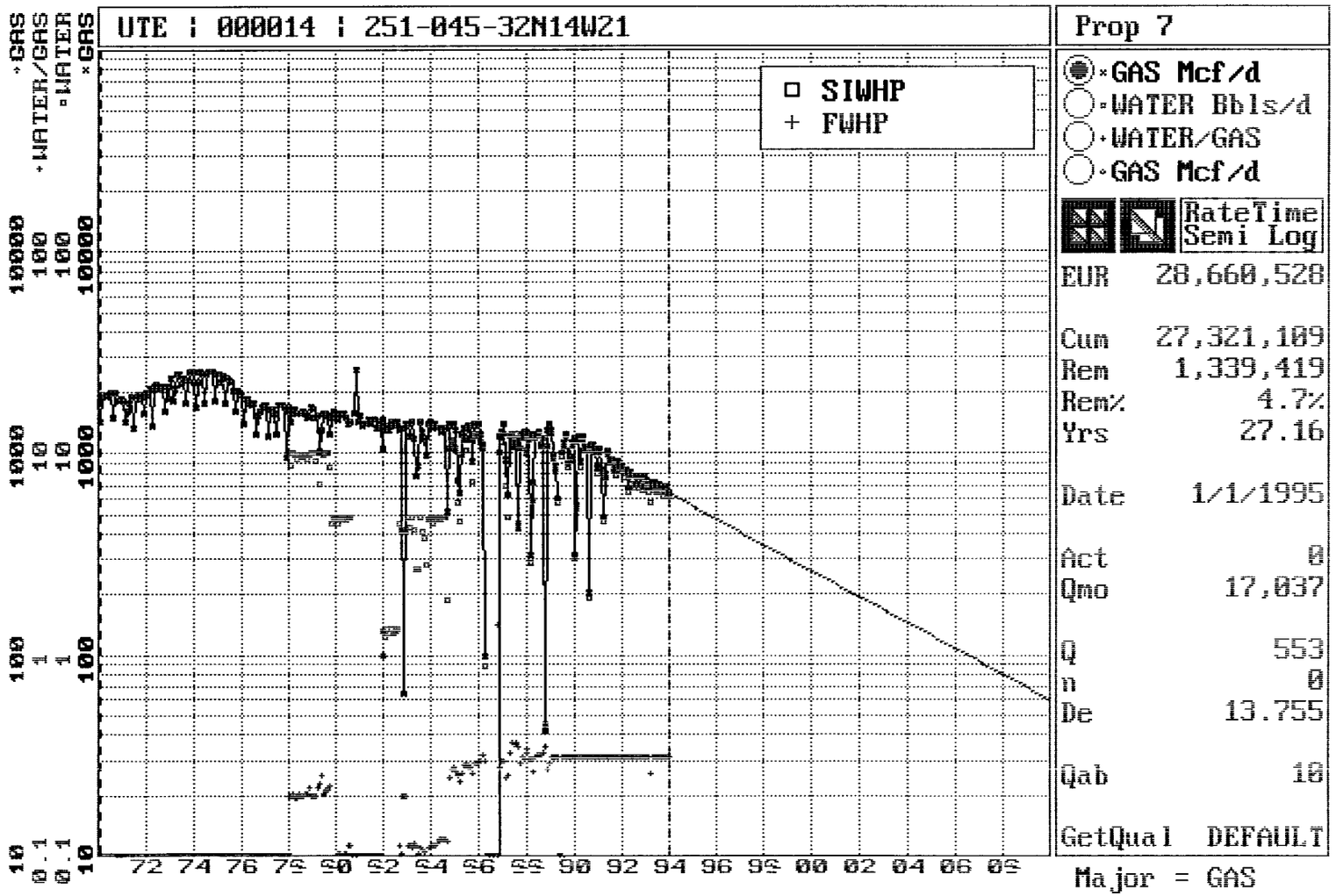
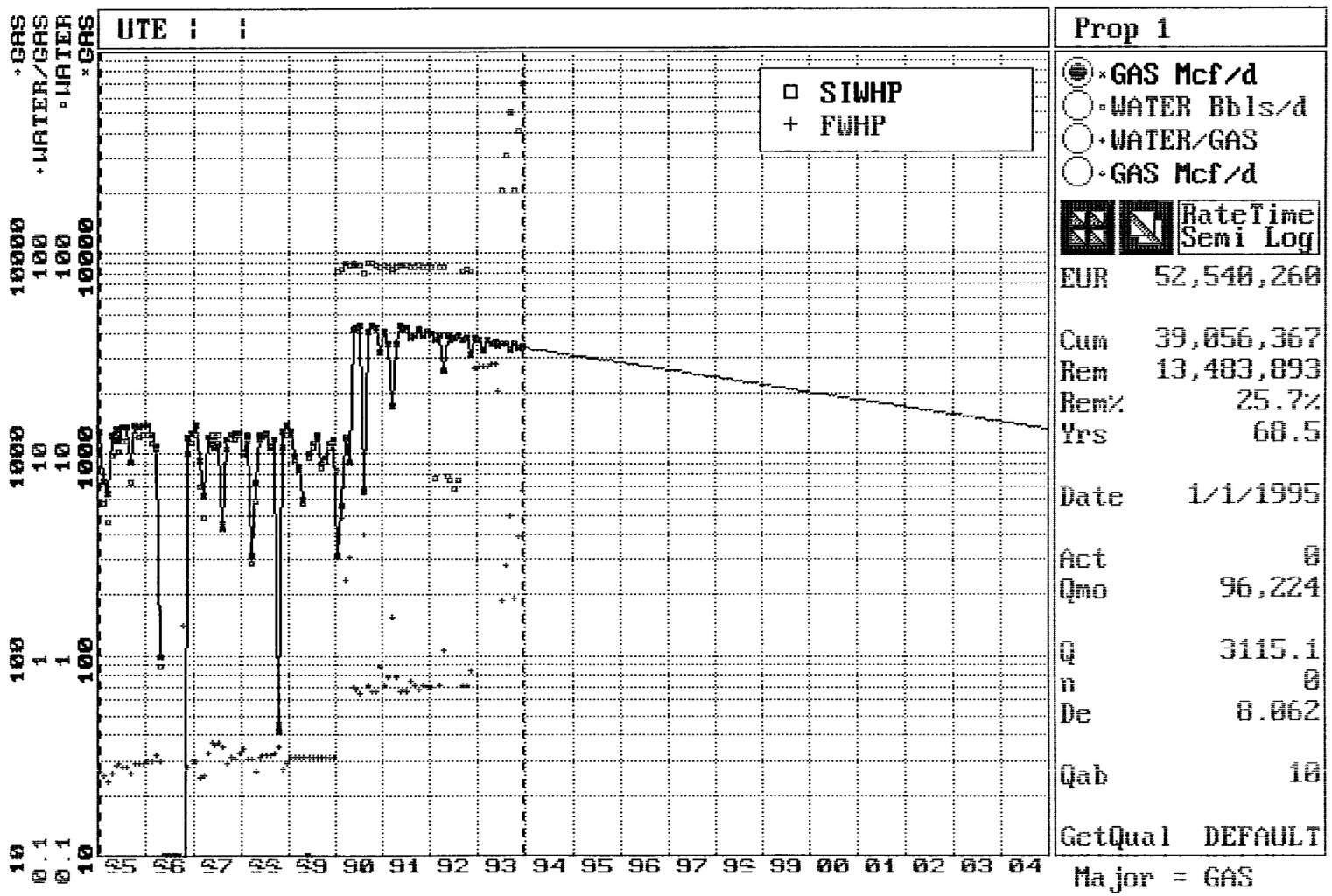
BARKER CREEK PARADOX GAS POOL
EXHIBIT NO.




UTE
SIWHP
FWHP
·GAS
·WATER/GAS
·WATER
×GAS
10000
100
100
10000
1000
10
10
1000
100
1
1
100
10
0.1
0.1
10
95 96 97 98 99 00 01 02 03 04
Prop 1
×GAS Mcf/d
·WATER Bbls/d
·WATER/GAS
·GAS Mcf/d
RateTime
Semi Log
EUR 52,540,260
Cum 39,056,367
Rem 13,483,893
Rem% 25.7%
Yrs 68.5
Date 1/1/1995
Act 0
Qmo 96,224
Q 3115.1
n 0
De 8.062
Qab 10
GetQual DEFAULT
Major = GAS