

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 South First Street, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas Company P.O. Box 4289 Farmington, New Mexico 87499
Operator Address

Mims State Com 1 M 16 29N 09W San Juan
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 7313 API No. 30-045-08229 Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Basin Fruitland Coal		Blanco Mesa Verde
Pool Code	71629		72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1960'-2160' (Proposed)		3725'-4618'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			174 psi @ 5490'
Oil Gravity or Gas BTU (Degree API or Gas BTU)	985 BTU (est)		1258 BTU
Producing, Shut-In or New Zone	New Zone	Producing	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 1/02 Rates: 186 MCFD, 0 BOD, 0.2 BWD (est)	Date: Rates:	Date: 12/31/01 Rates: 128 MCFD, 0.3 BOD, 0.0 BWD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	To Be Filed After Commingled	Oil Gas % %	To Be Filed After Commingled

No DHC order issued, 1-25-2 **ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones?

Yes X No

Are all produced fluids from all commingled zones compatible with each other?

Yes X No

Will commingling decrease the value of production?

Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes X No

NMOCD Reference Case No. applicable to this well:

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bobby Goodwin TITLE Production Engineer DATE
nco
TYPE OR PRINT NAME Bobby Goodwin TELEPHONE NO. (505) 326-9700

French Dr., Hobbs, NM 88240
Act II
501 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-08229	² Pool Code 71629/72319	³ Pool Name Basin Fruitland Coal/Blanco Mesaverde
⁴ Property Code 7313	⁵ Property Name Mims State Com	⁶ Well Number 1
⁷ OGRID No. 14538	⁸ Operator Name Burlington Resources Oil & Gas Company LP	⁹ Elevation 5693' DF

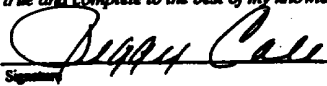
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	29N	9W		1160'	South	1090'	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres FTC - W/320 MV - W/320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶				Original plat from A. Wiederkehr 3-11-54	JAN 2002	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature
						Peggy Cole Printed Name
						Regulatory Supervisor
						Title 1-14-02 Date
						¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
						Date of Survey
						Signature and Seal of Professional Surveyor:
						Certificate Number

1090'

1160'

Mims State Com 1
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesa Verde	
<u>MV-Current</u>	
GAS GRAVITY	<u>0.634</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.22</u>
%CO2	<u>0.35</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>4.95</u>
DEPTH (FT)	<u>5490</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>155</u>
BOTTOMHOLE PRESSURE (PSIA)	174.4
<u>MV-Original</u>	
GAS GRAVITY	<u>0.634</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.22</u>
%CO2	<u>0.35</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>4.95</u>
DEPTH (FT)	<u>5490</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>619</u>
BOTTOMHOLE PRESSURE (PSIA)	702.3

Williams Field Services
Salt Lake City, Utah
CERTIFICATE OF ANALYSIS
for 11/96

11/12/96 07:20:00
PAGE 473

Station ID: 38308
Station Name: MIMS STATE COM
Analysis Source: 38308

0001

SW -16-297-9W

Lab Identifier:
Effective Date: 10/10/96

Operator: 005080
Analysis ID: 174372
Analyzed Date: ??/??/??

Sample On Date: ??/??/??
Sample Off Date: ??/??/??
Sample Type: C

Component	Mol %	GPM
Helium	0.0000	
CO	0.0000	
CO2	0.7500	
N2	0.8900	
Methane (C1)	79.0400	
Ethane (C2)	10.5200	2.814
Propane (C3)	4.9800	1.372
I-butane (IC4)	0.8000	0.262
N-butane (NC4)	1.6500	0.520
I-pentane (IC5)	0.4400	0.161
N-pentane (NC5)	0.3600	0.130
Hexanes (C6)	0.5800	0.253
Heptanes (C7)		

TOTAL 100.0100 5.512

Calculation Parameters:

Specific Gravity @ 60 deg.F (AIR=1)
Sample Gravity: 0.7330
Z Factor: 0.9964

BTU Calculated/cubic ft @ 60 deg.F
Dry BTU @ 14.730: 1258.0000
Wet BTU @ 14.730: 1236.9862

Remark:

MIMS STATE COM 1 1525401 (27060098489.854) Date: Jan.1953-Aug.2001

Operator: Unknown

Field:

Zone:

Type: Gas

Group: None

No

Active

Forecast

Production Cums

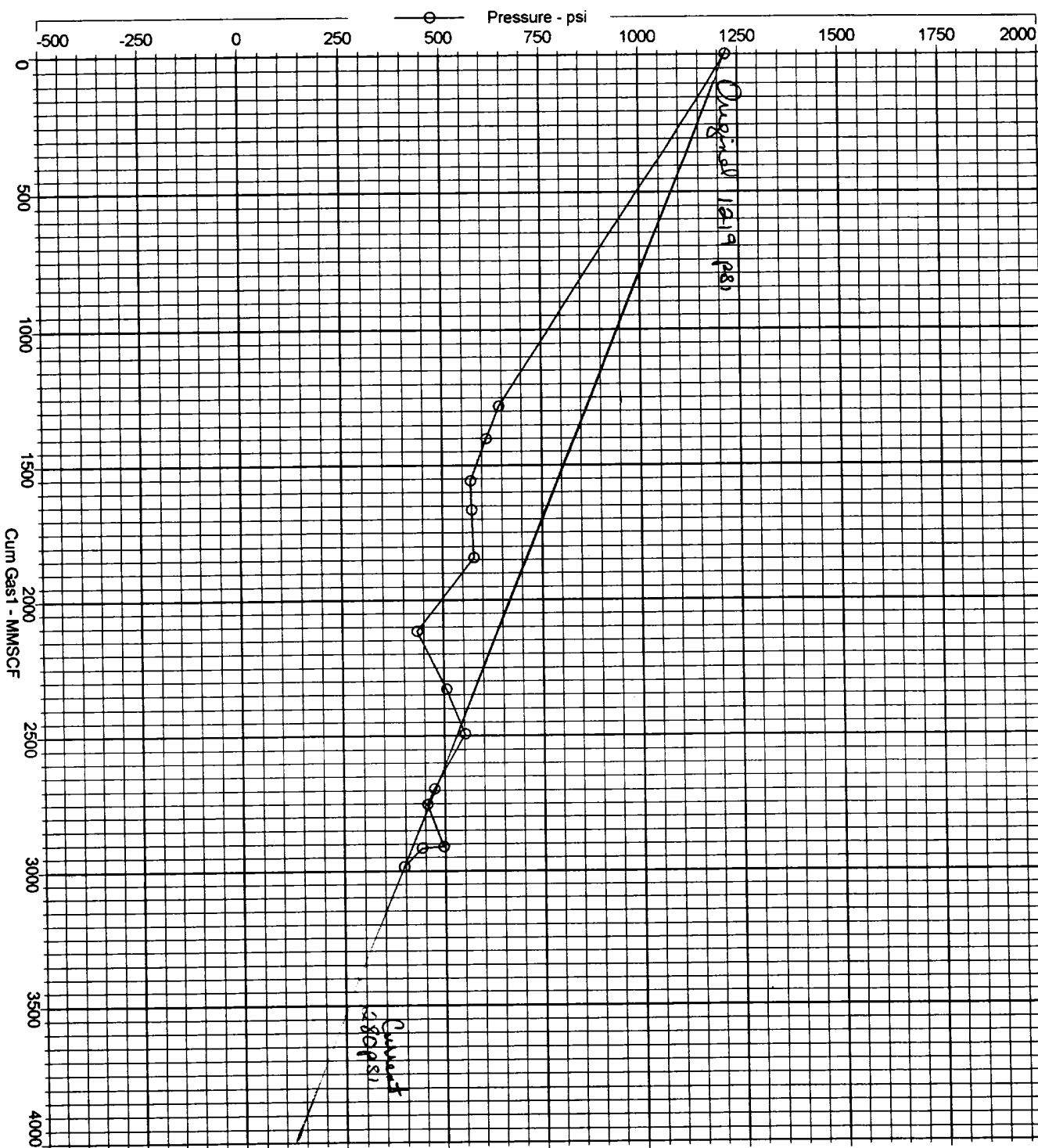
Oil: 0 MSTB

Gas: 3402.12 MMSCF

Water: 0.058766 MSTB

Cond: 19.0534 MSTB

Pressure - psi
Cum: 0



Cumulative Monthly Well Report January 1997 Through January 2002

Select By : Completions

Page No : 1
Report Number : R_290
Print Date : 1/14/2002, 11:56:36 AM

Completion	Date	Oil		Gas		Water	
		Current	Cumulative	Current	Cumulative	Current	Cumulative
MIMS STATE COM 1	11/30/1998	5.20	5.20	5,015.55	5,015.55	0.00	0.00
	12/31/1998	0.00	5.20	5,090.06	10,105.61	0.00	0.00
	1/31/1999	11.26	16.47	5,194.96	15,300.57	5.51	5.51
	2/28/1999	4.91	21.38	3,609.71	18,910.28	2.32	7.82
	3/31/1999	42.15	63.52	7,893.91	26,804.19	0.00	7.82
	4/30/1999	2.32	65.84	4,706.74	31,510.93	13.91	21.73
	5/31/1999	12.73	78.57	4,735.17	36,246.10	0.00	21.73
	6/30/1999	16.17	94.74	4,074.40	40,320.50	0.00	21.73
	7/31/1999	5.78	100.51	4,990.06	45,310.56	0.00	21.73
	8/31/1999	13.86	114.37	4,496.94	49,807.50	0.00	21.73
	9/30/1999	5.78	120.15	2,983.25	52,790.75	0.00	21.73
	10/31/1999	16.18	136.33	4,422.43	57,213.18	0.00	21.73
	11/30/1999	15.60	151.93	3,969.50	61,182.68	0.00	21.73
	12/31/1999	10.41	162.33	4,538.11	65,720.79	0.00	21.73
	1/31/2000	5.20	167.53	4,531.25	70,252.04	2.32	24.05
	2/29/2000	9.83	177.36	3,717.55	73,969.59	0.00	24.05
	3/31/2000	9.83	187.19	3,449.91	77,419.50	0.00	24.05
	4/30/2000	13.30	200.49	3,058.74	80,478.24	0.00	24.05
	5/31/2000	7.52	208.01	3,175.41	83,653.65	0.00	24.05
	6/30/2000	1.45	209.45	2,825.41	86,479.06	0.00	24.05
	7/31/2000	3.18	212.63	2,720.52	89,199.58	0.00	24.05
	8/31/2000	2.60	215.23	2,820.51	92,020.09	0.00	24.05
	9/30/2000	2.02	217.26	2,668.56	94,688.65	0.00	24.05
	10/31/2000	22.44	239.69	4,641.05	99,329.70	0.00	24.05
	11/30/2000	35.89	275.58	4,031.27	103,360.97	0.00	24.05
	12/31/2000	6.06	281.65	6,826.29	110,187.26	0.00	24.05
	1/31/2001	23.93	305.58	5,742.98	115,930.24	9.27	33.32
	2/28/2001	19.63	325.21	4,674.39	120,604.63	0.00	33.32
	3/31/2001	8.10	333.31	5,656.71	126,261.34	0.00	33.32
	4/30/2001	18.50	351.81	4,641.05	130,902.39	0.00	33.32
	5/31/2001	0.00	351.81	5,193.98	136,096.37	39.35	72.67
	6/30/2001	20.82	372.63	5,071.43	141,167.80	0.00	72.67
	7/31/2001	1.16	373.78	4,885.16	146,052.96	0.00	72.67
	8/31/2001	55.66	429.44	4,902.81	150,955.77	0.00	72.67
	9/30/2001	5.51	434.95	3,645.98	154,601.75	4.64	77.31
	10/31/2001	2.90	437.84	5,139.08	159,740.83	0.00	77.31
	11/30/2001	9.85	447.70	4,878.57	164,619.40	0.00	77.31
	12/31/2001	9.24	456.93	3,971.46	168,590.86	0.00	77.31
	1/31/2002	0.00	456.93	0.00	168,590.86	0.00	77.31

Commingle Application for Mims State Com # 1

Production Estimate for New Zone

The arithmetic average of estimated 1/2002 rates of producing Fruitland Coal wells in the offset 9 section was used to calculate the initial rate of the Mims State Com # 1.

Well Name	Location	Rate (1/02)
Santa Rosa 8 # 1	NE 8 T29N R09W	227 mcf/d
Santa Rosa 8 # 2	SW 8 T29N R09W	161 mcf/d
Santa Rosa 9 # 1	NE 9 T29N R09W	224 mcf/d
Santa Rosa 9 # 2	SW 9 T29N R09W	293 mcf/d
Federal 29-9-10 # 1	NE 10 T29N R09W	95 mcf/d
A L Elliot J # 1	SE 10 T29N R09W	20 mcf/d
Federal 29-9-15 # 1	NE 15 T29N R09W	138 mcf/d
Federal 29-9-15 # 2	SW 15 T29N R09W	132 mcf/d
Santa Rosa 16 # 1	NE 16 T29N R09W	188 mcf/d
Santa Rosa 17 # 1	NE 17 T29N R09W	135 mcf/d
Santa Rosa 17 # 2	SW 17 T29N R09W	197 mcf/d
Hamner # 9	NE 20 T29N R09W	214 mcf/d
El Paso # 1	SW 20 T29N R09W	135 mcf/d
Florance 119 # 120	NE 21 T29N R09W	296 mcf/d
A B Geren # 1	SW 21 T29N R09W	329 mcf/d
Florance # 119	NE 22 T29N R09W	118 mcf/d
Grambling # 720	SW 22 T29N R09W	257 mcf/d

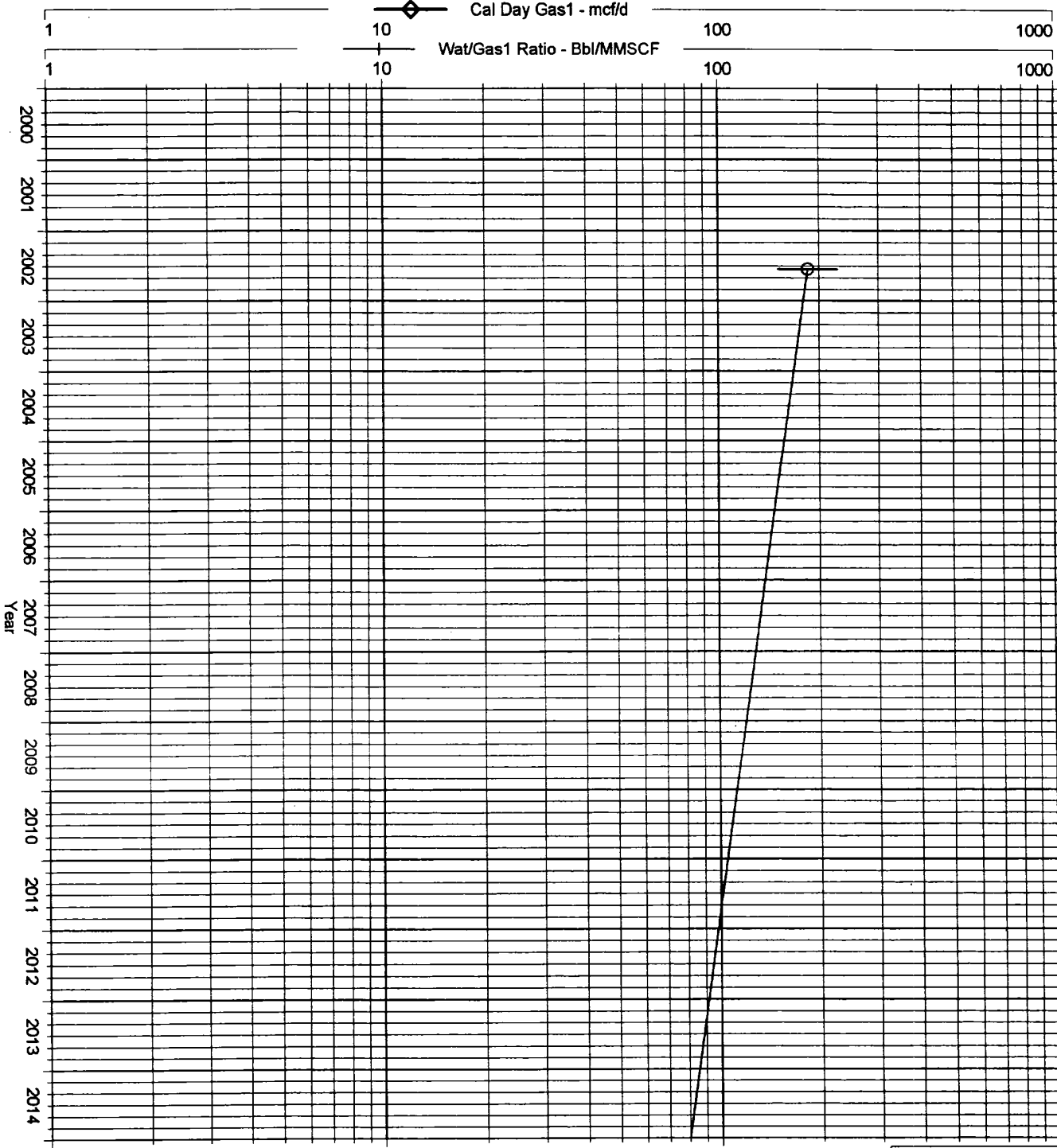
Attached are the ¹⁷ production plots for the wells listed above. Attached also, is the estimated production profile for the proposed recompletion in the Mims State Com # 1. The production is estimated to start at 186 mcf/d and decline at 6.5%, consistent with the area average decline.

MIMS STATE COM 1 (FTC) (MIMS STATE COM 1 (FTC)) Data: .0- .0

Operator:
Field:
Zone:
Type: Other
Group: None

Cal Day Gas1 FC 1 (Rate-Time)
qi: 186 mcf/d, Jul, 2002
qf: 15,0188 mcf/d, Oct, 2039
di(Exp): 6.52927 CTD: 0 MMSCF
RR: 925 MMSCF Tcd: 925 MMSCF

Production Cums
Oil: 0 MSTB
Gas: 0 MMSCF
Water: 0 MSTB
Cond: 0 MSTB



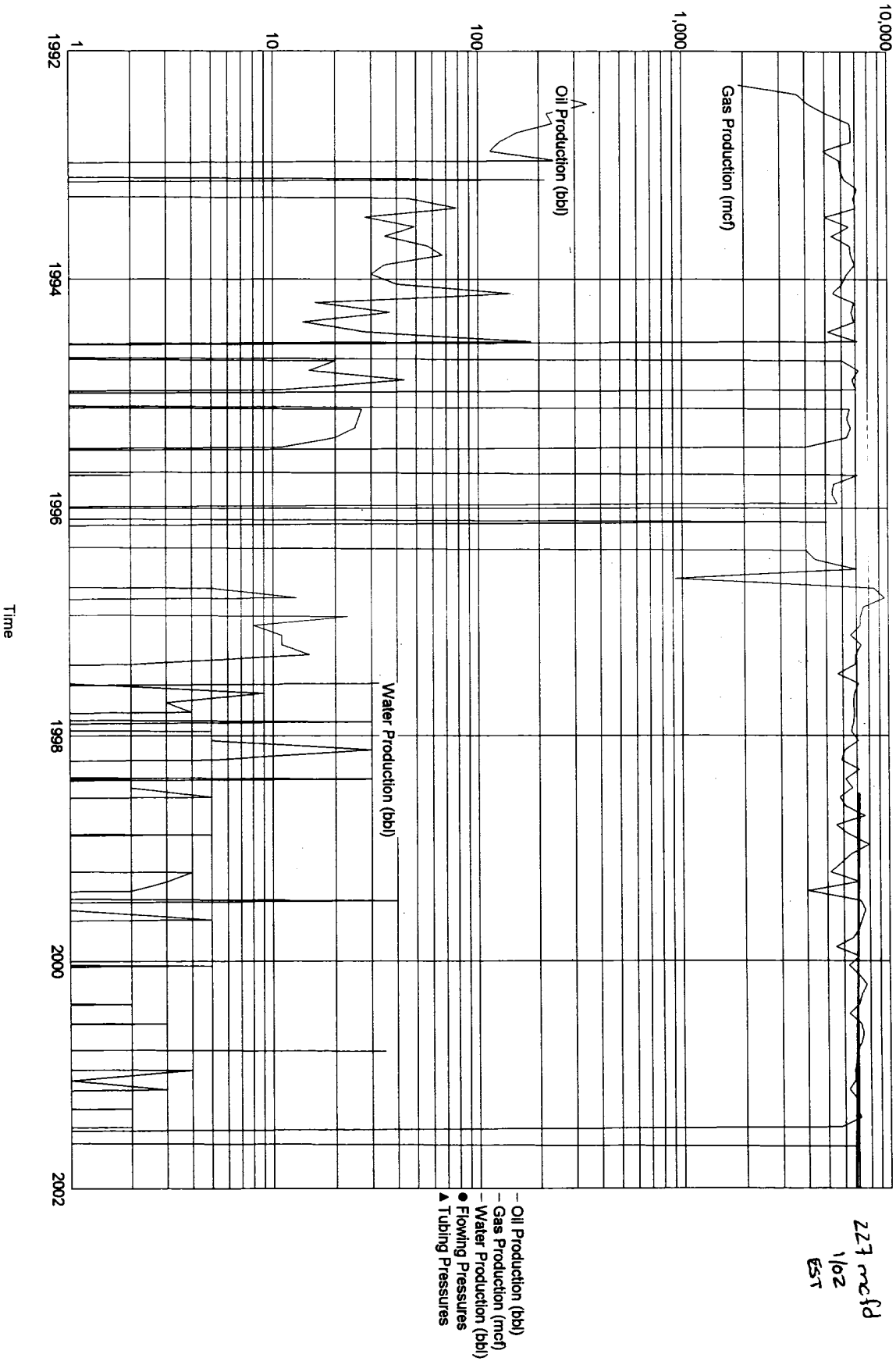
Cal Day Gas1 - mcf/d
Cum: 0 MMSCF

Cal Day Gas1 FC 1 - mcf/d
versus time
qi: 186 mcf/d, Jul, 2002
qf: 15,0188 mcf/d, Oct, 2039
di(Exponential): 6.52927
RR: 925 MMSCF
EUR: 925 MMSCF
Corr coeff: N/A

Wat/Gas1 Ratio - Bbl/MMSCF
Cum: 0 MSTB

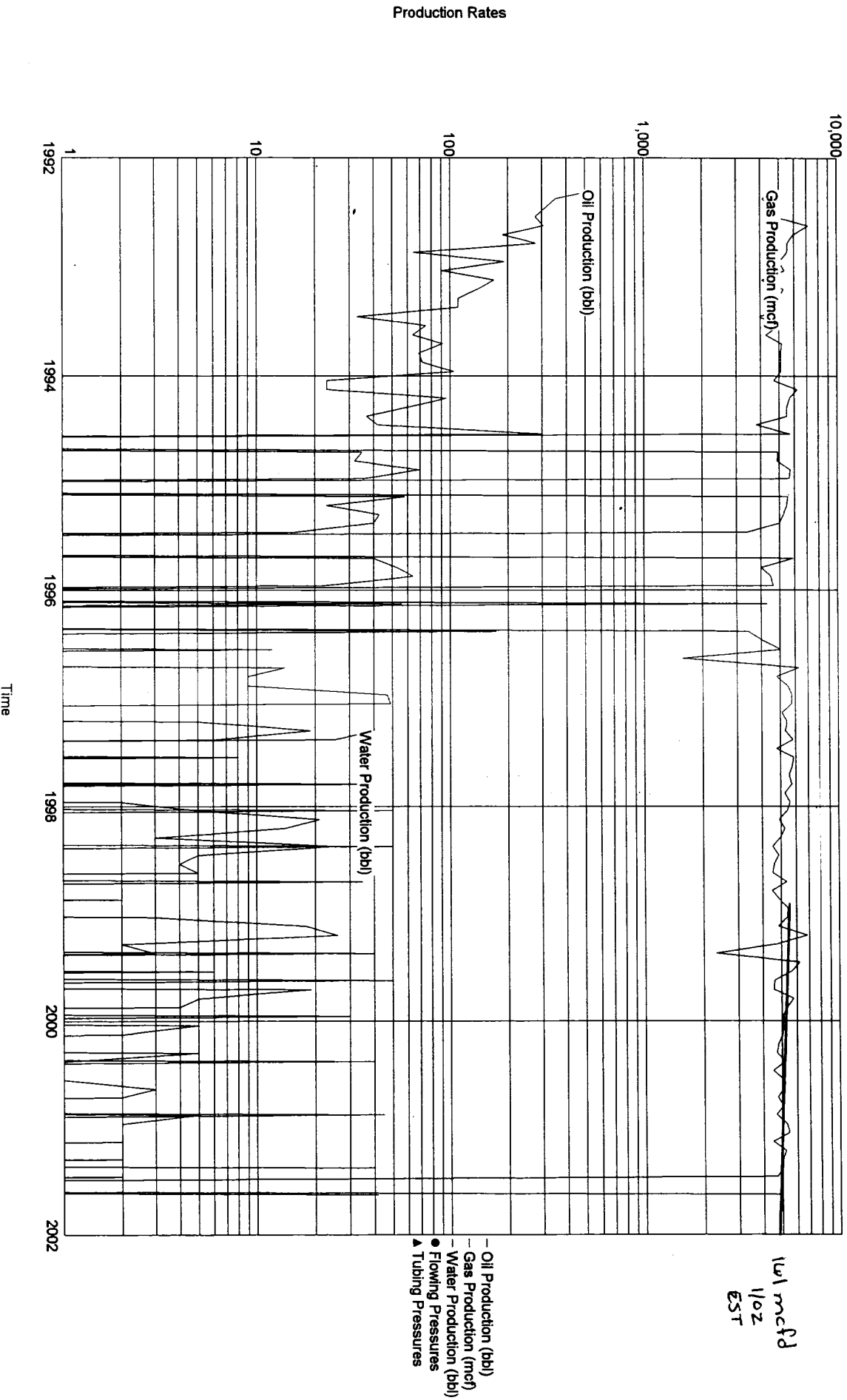
Lease Name: SANTA ROSA 8
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 8 29N 9W NW SW NE

SANTA ROSA 8 - BASIN



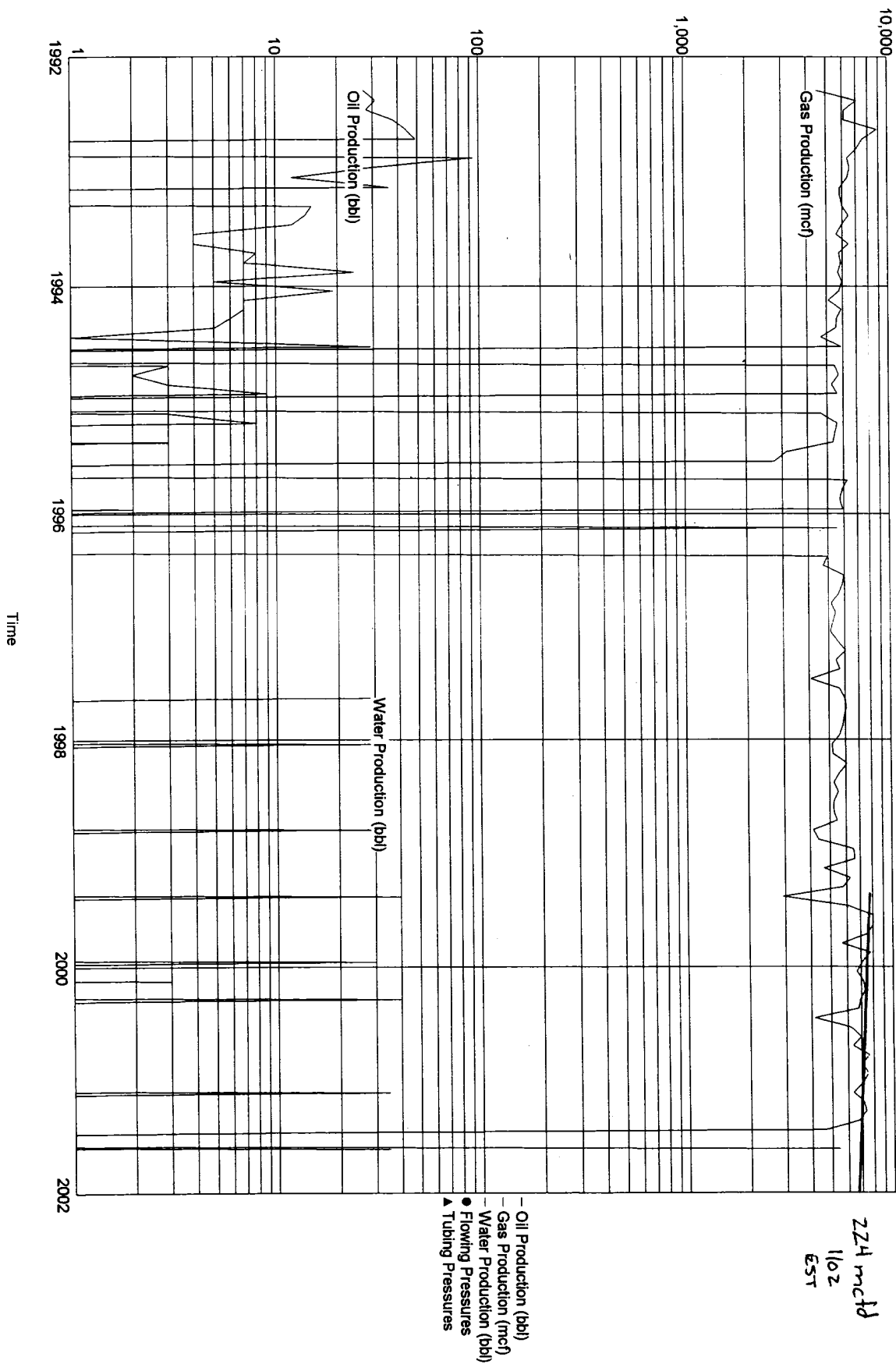
Lease Name: SANTA ROSA 8
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 8 29N 9W NE SE SW

SANTA ROSA 8 - BASIN



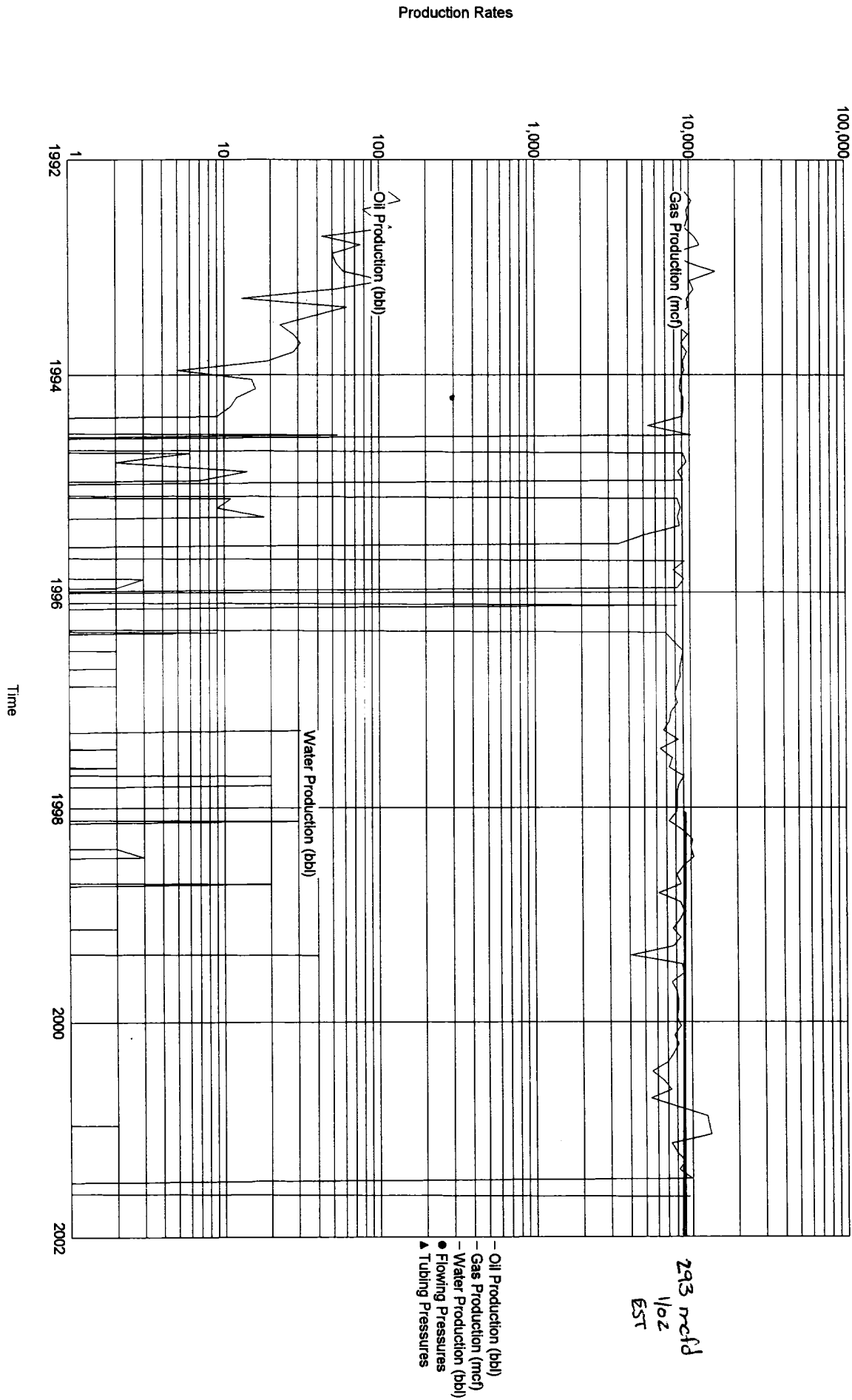
Lease Name: SANTA ROSA 9
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 9 29N 9W NW SW NE

SANTA ROSA 9 - BASIN



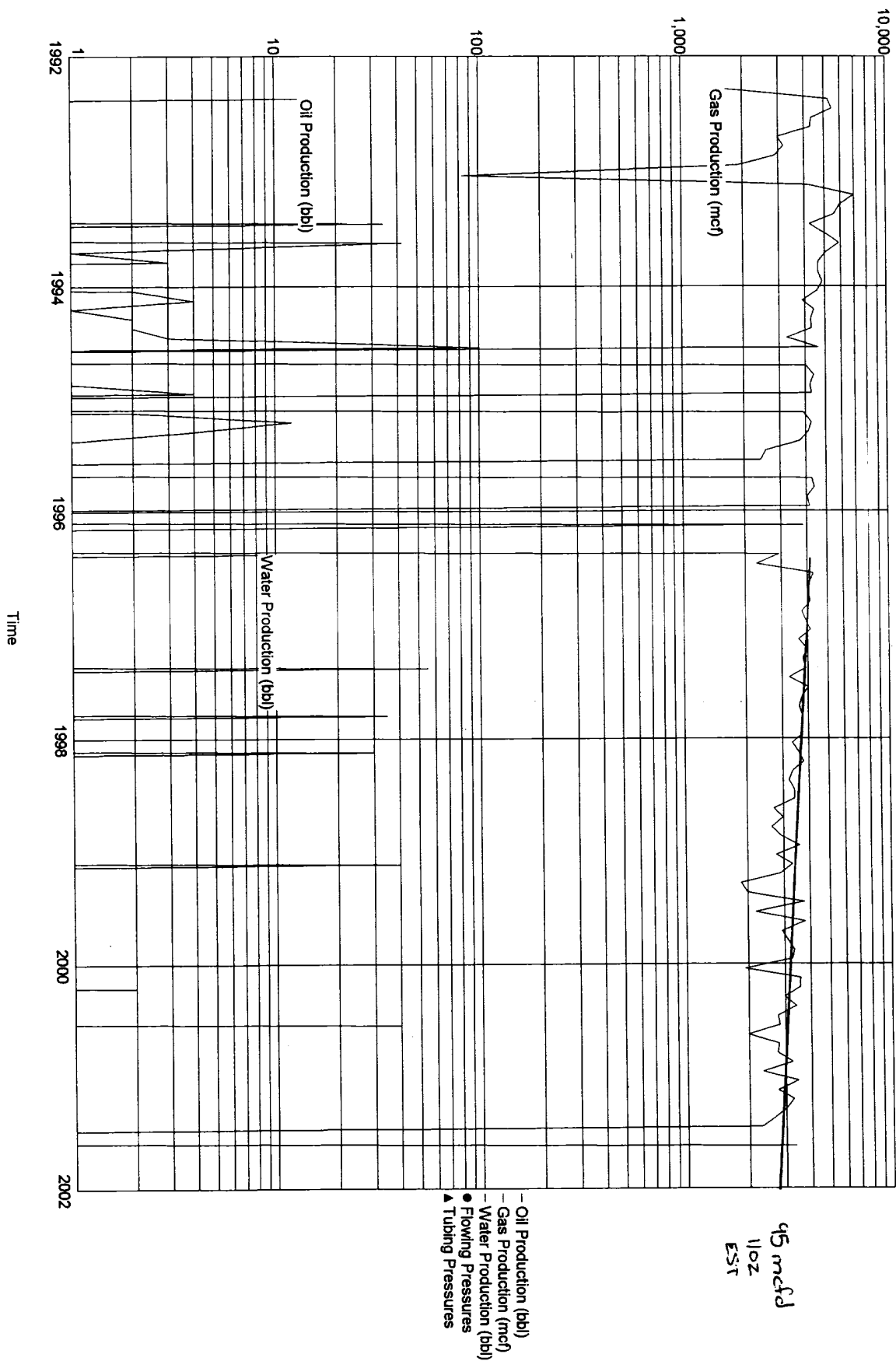
Lease Name: SANTA ROSA 9
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 9 29N 9W NE SE SW

SANTA ROSA 9 - BASIN



Lease Name: FEDERAL 29-9-10
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 10 29N 9W NW SE NE

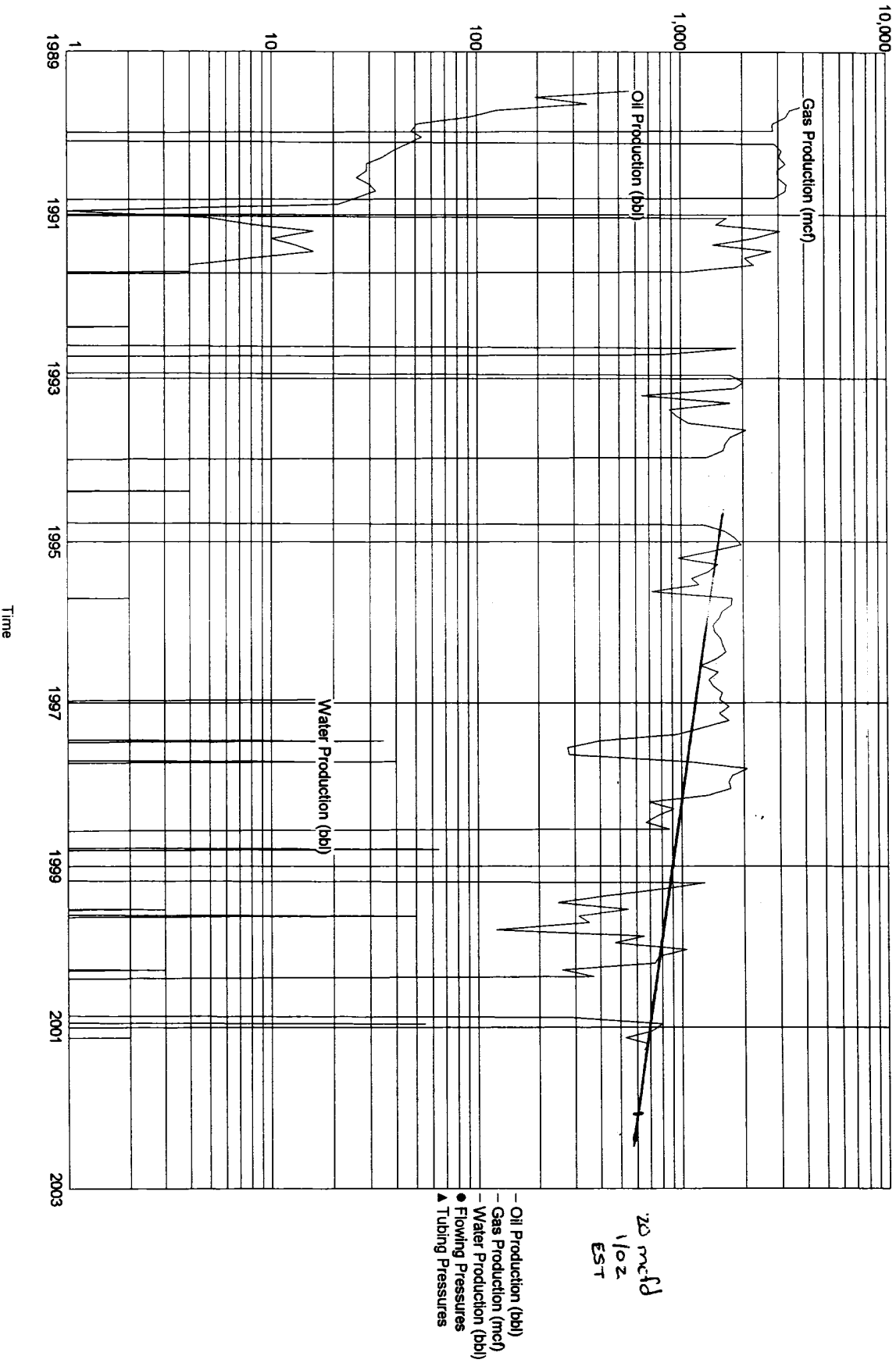
FEDERAL 29-9-10 - BASIN



Lease Name: A L ELLIOTT J
County, State: SAN JUAN, NM
Operator: AMOCO PRODUCTION COMPANY
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 10 29N 9W NW SE SE

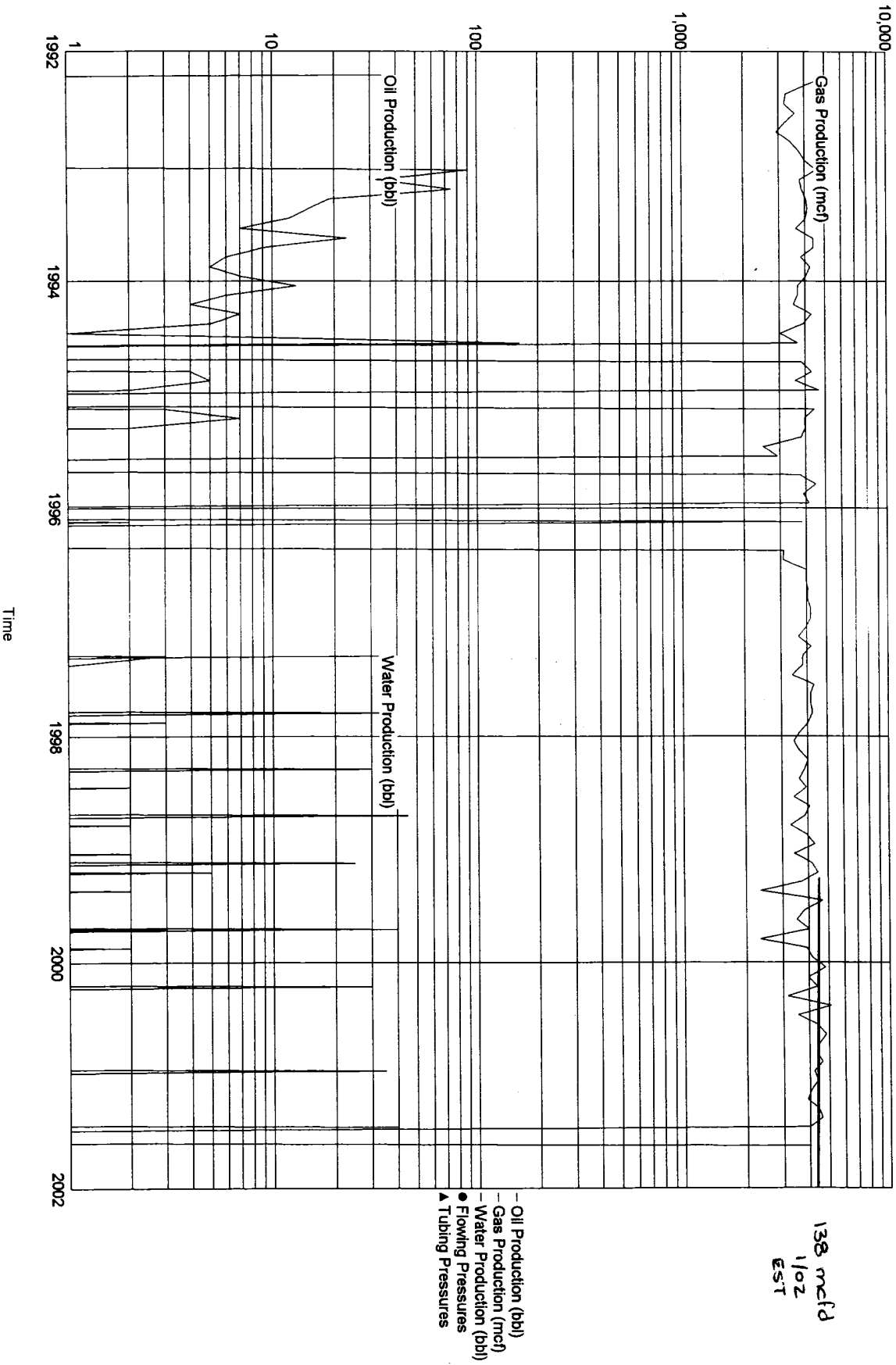
A L ELLIOTT J - BASIN

Production Rates



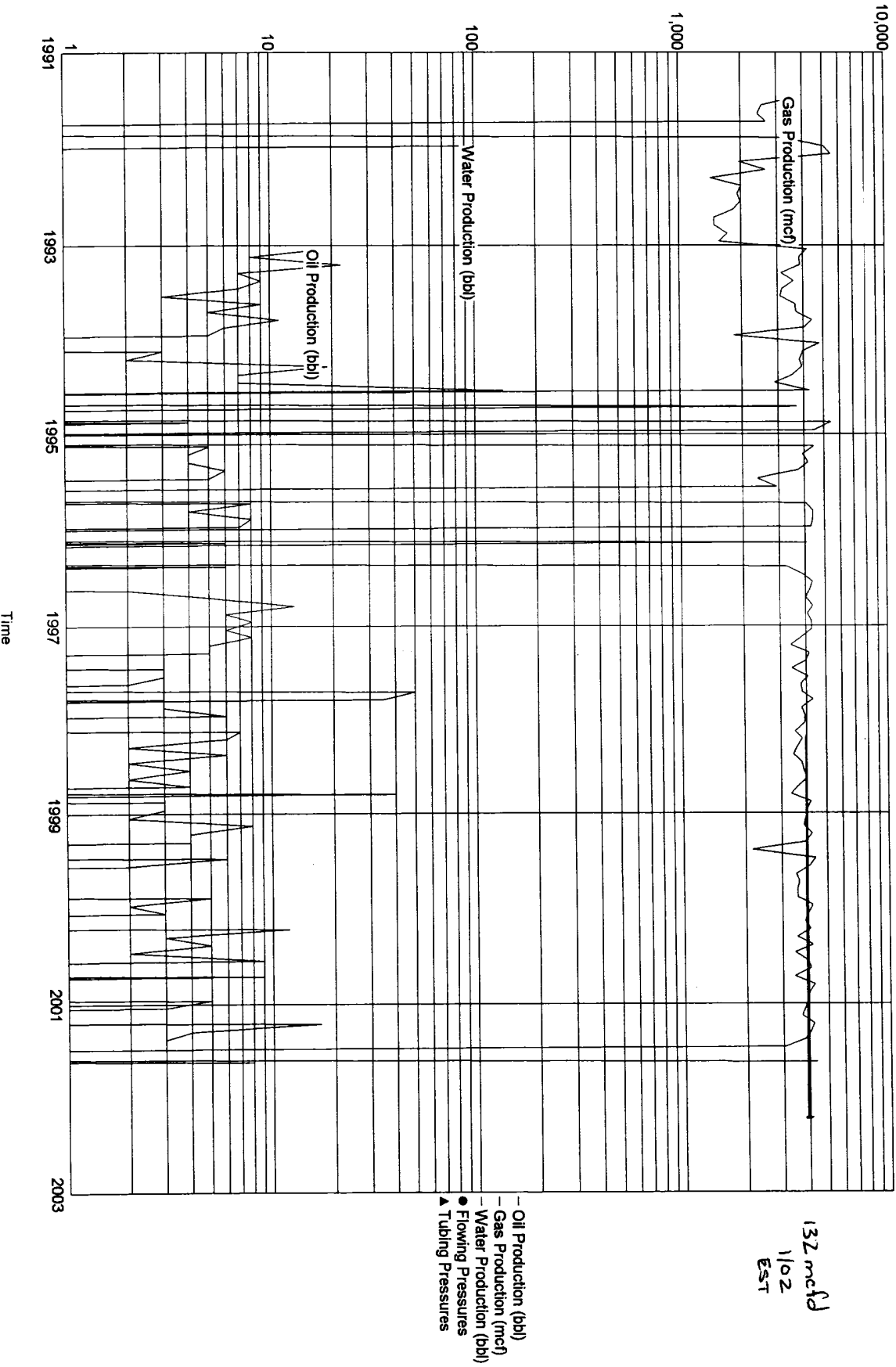
Lease Name: FEDERAL 29-9-15
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 15 29N 9W SW NW NE

FEDERAL 29-9-15 - BASIN



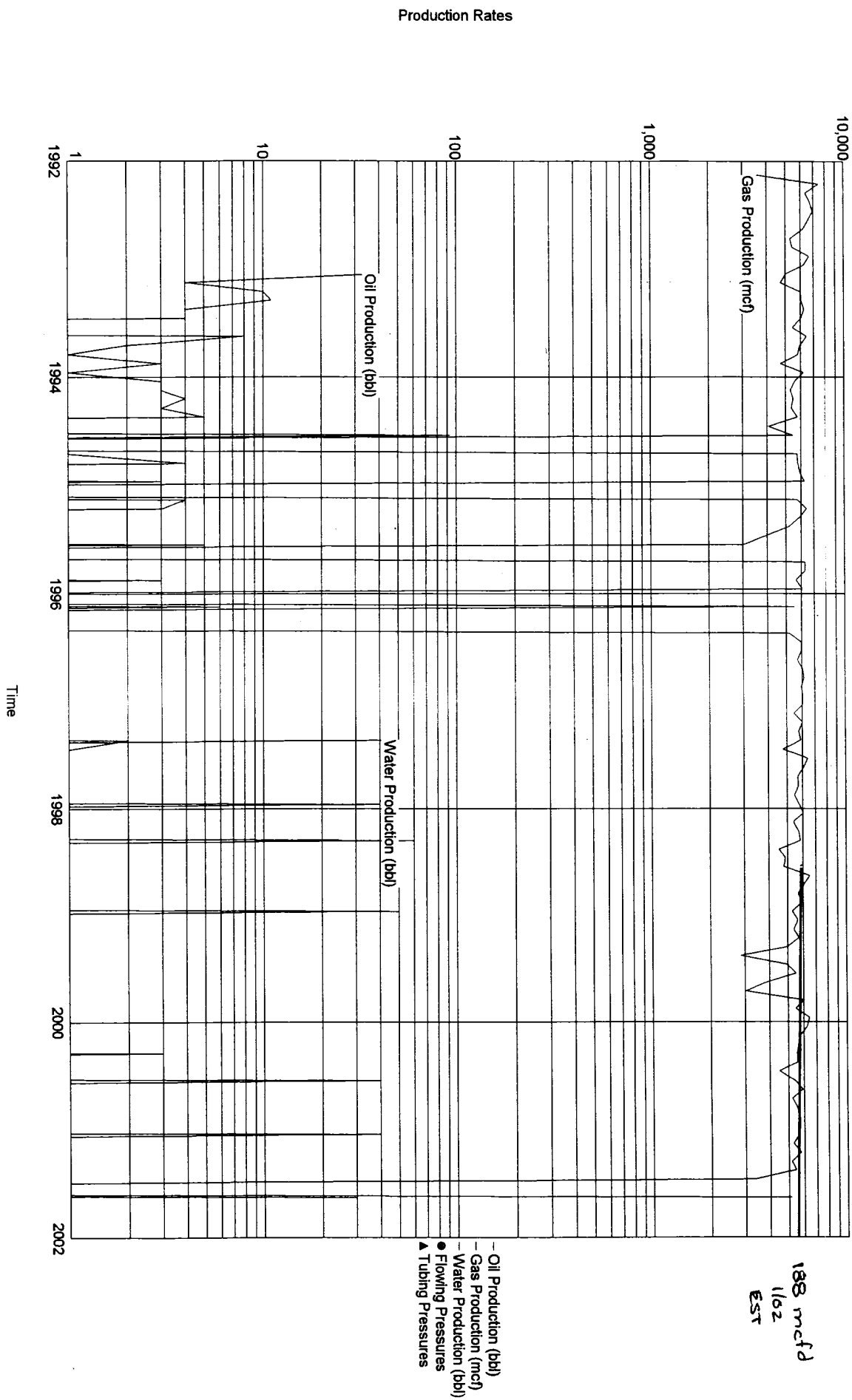
Lease Name: FEDERAL 29-9-15
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 15 29N 9W NW SE SW

FEDERAL 29-9-15 - BASIN



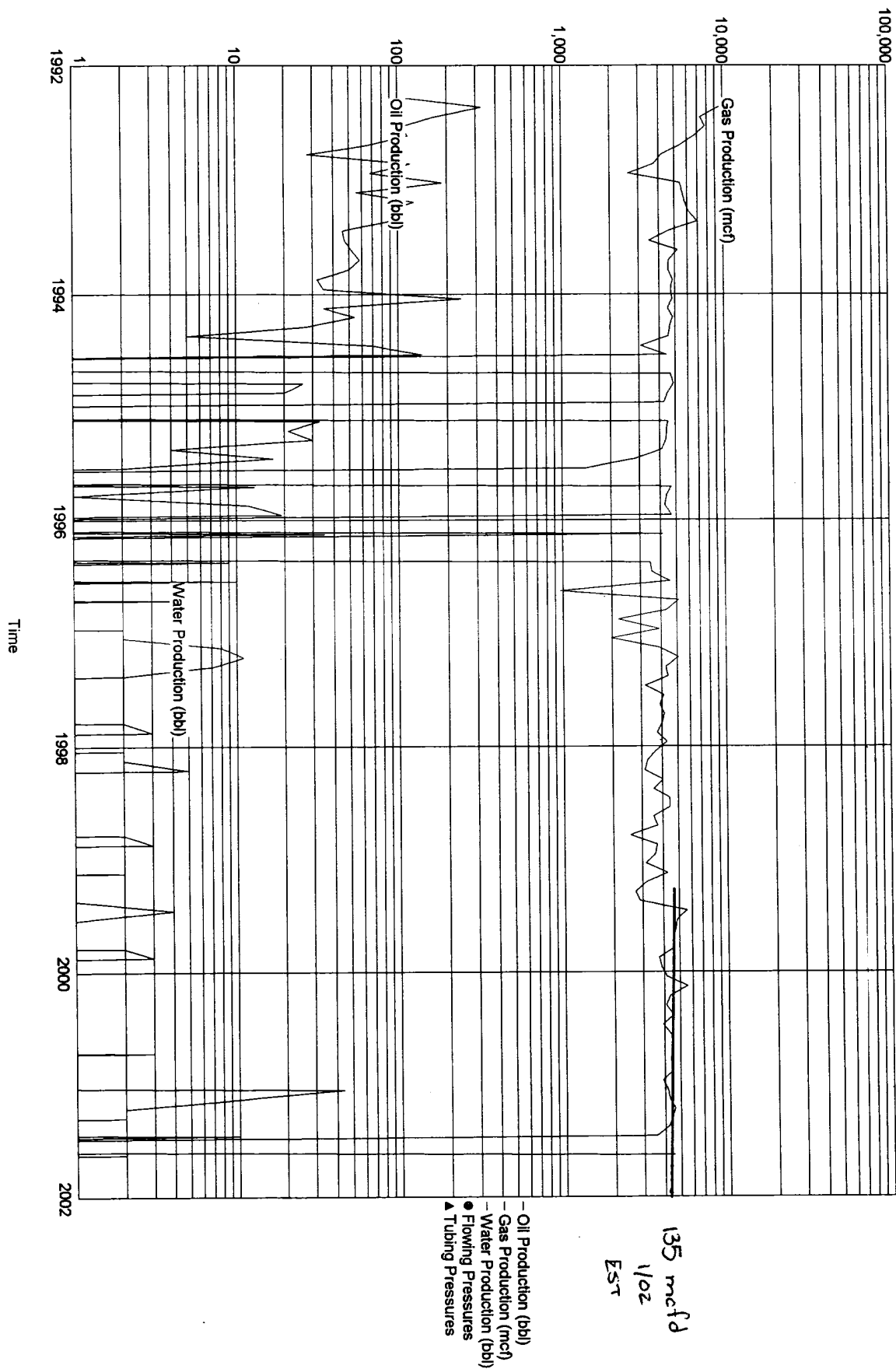
Lease Name: SANTA ROSA 16
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 16 29N 9W SE NW NE

SANTA ROSA 16 - BASIN



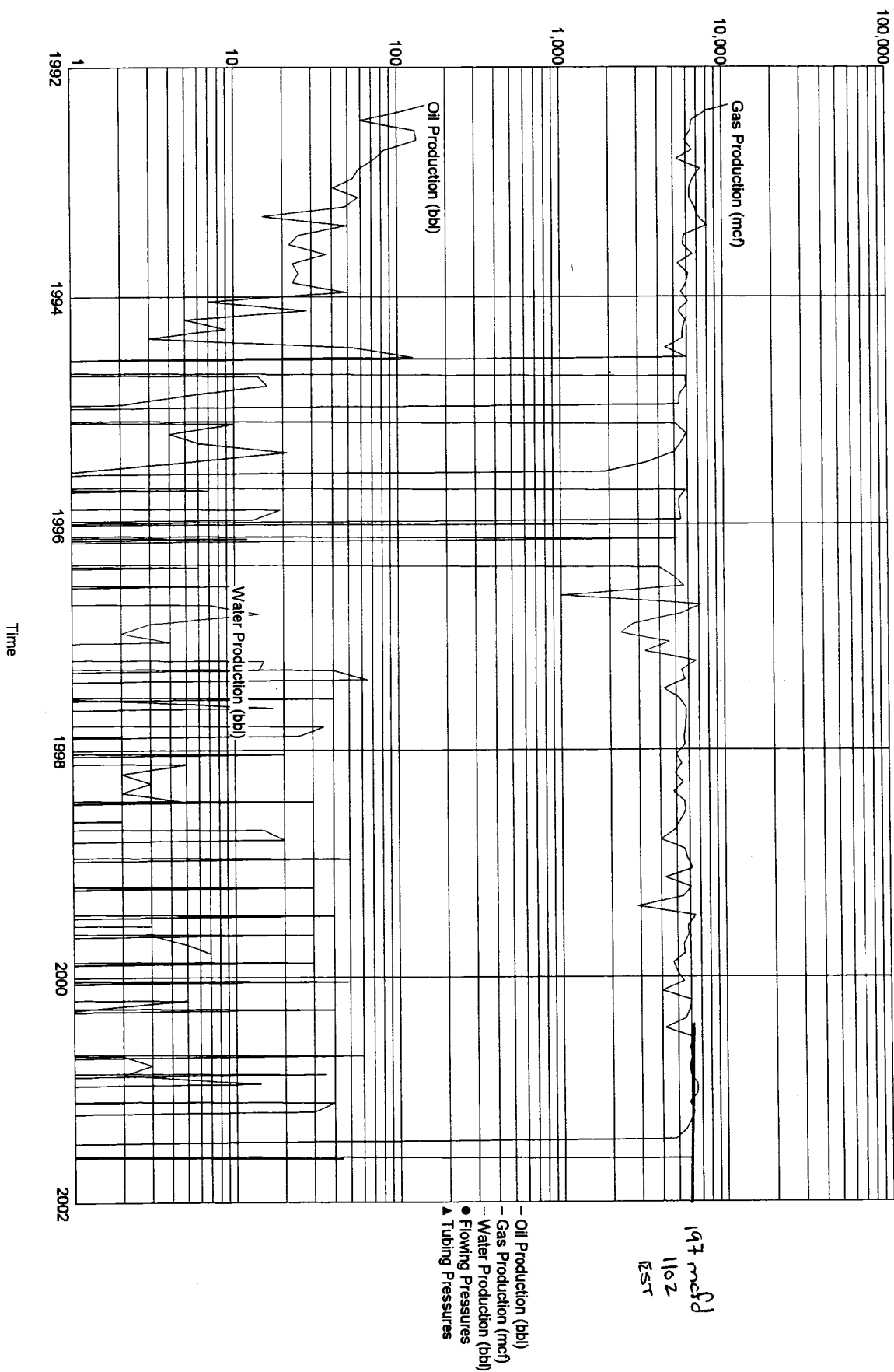
Lease Name: SANTA ROSA 17
 County, State: SAN JUAN, NM
 Operator: SG INTERESTS I LIMITED
 Field: BASIN
 Reservoir: FRUITLAND COAL
 Location: 17 29N 9W NW SE NE

SANTA ROSA 17 - BASIN



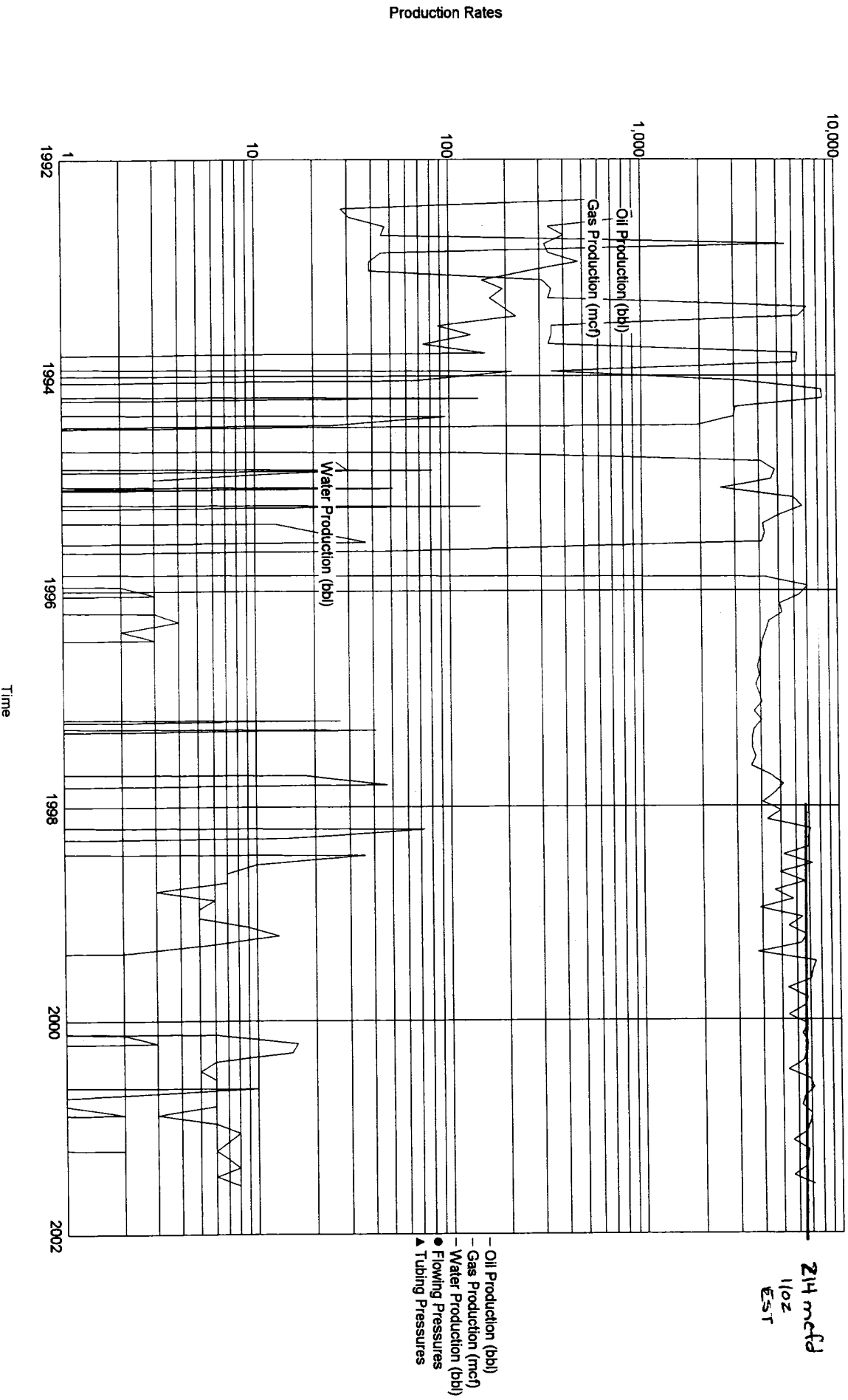
Lease Name: SANTA ROSA 17
County, State: SAN JUAN, NM
Operator: SG INTERESTS I LIMITED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 17 29N 9W SE NW SW

SANTA ROSA 17 - BASIN



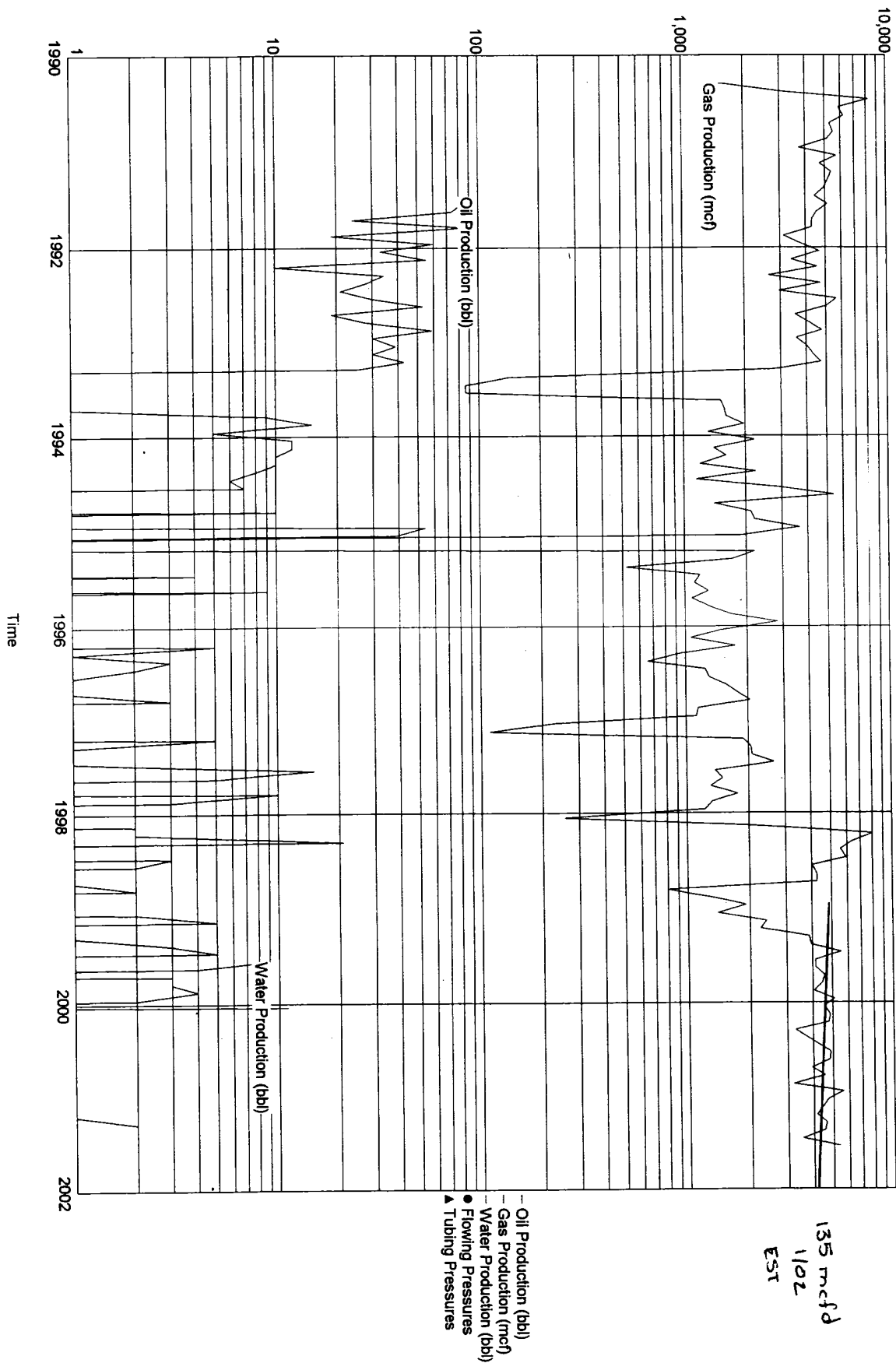
Lease Name: HAMNER
County, State: SAN JUAN, NM
Operator: CONOCO INCORPORATED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 20 29N 9W SW NE NE

HAMNER - BASIN



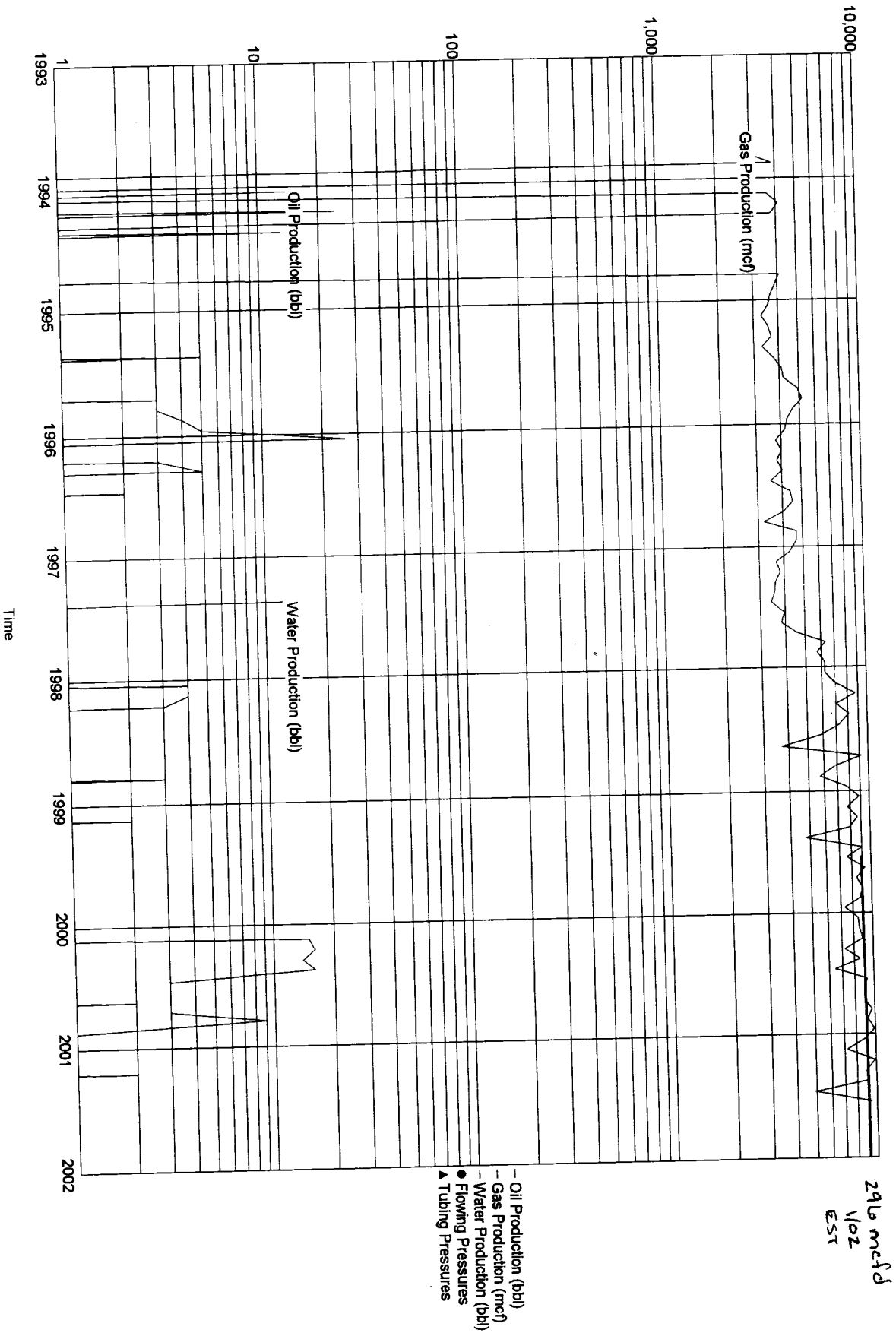
Lease Name: EL PASO
 County, State: SAN JUAN, NM
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA
 Field: BASIN
 Reservoir: FRUITLAND COAL
 Location: 20 29N 9W SW NE SW

EL PASO - BASIN



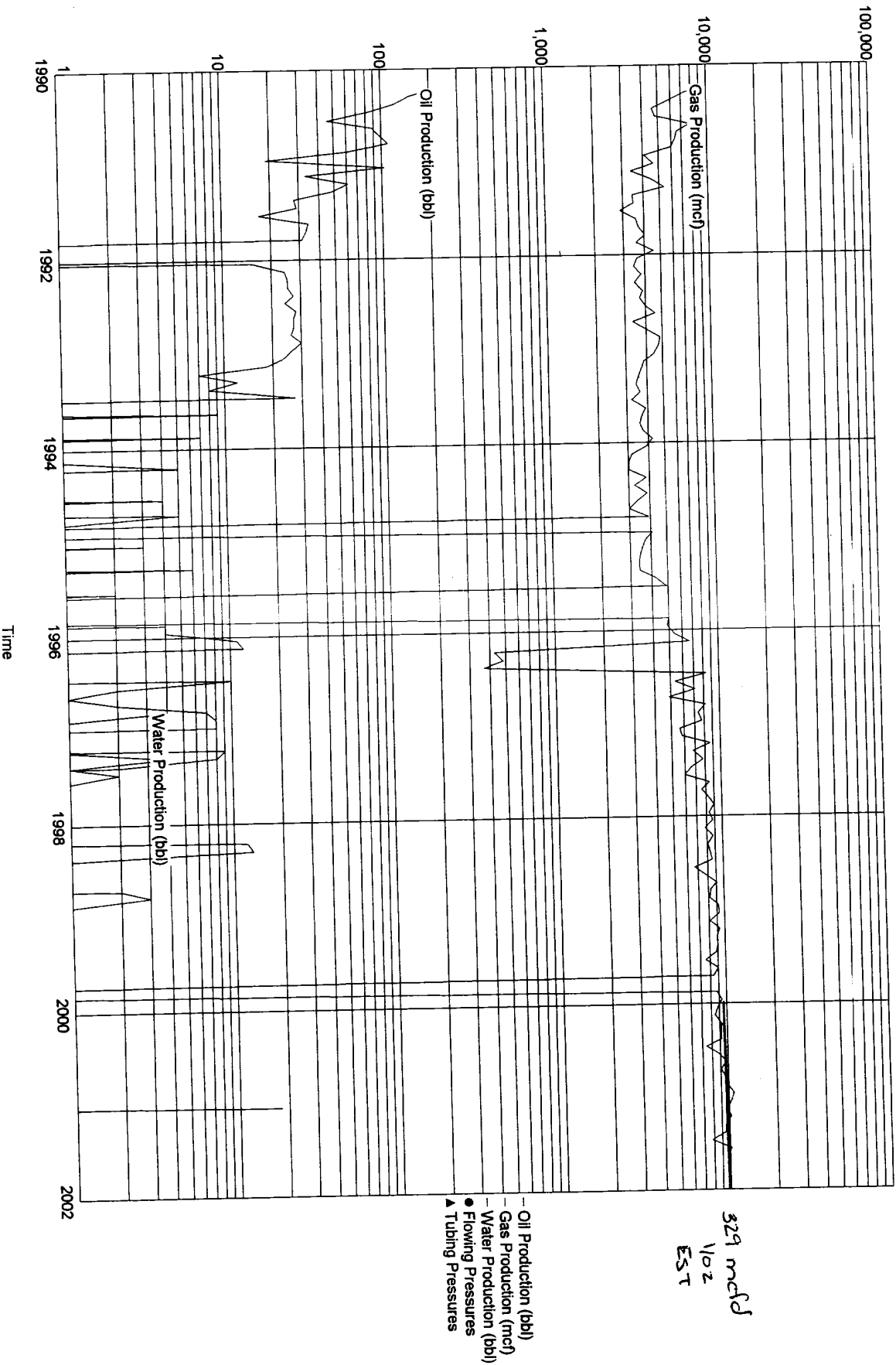
Lease Name: FLORANCE 119
County, State: SAN JUAN, NM
Operator: CONOCO INCORPORATED
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 21 29N 9W NE SW NE

FLORANCE 119 - BASIN



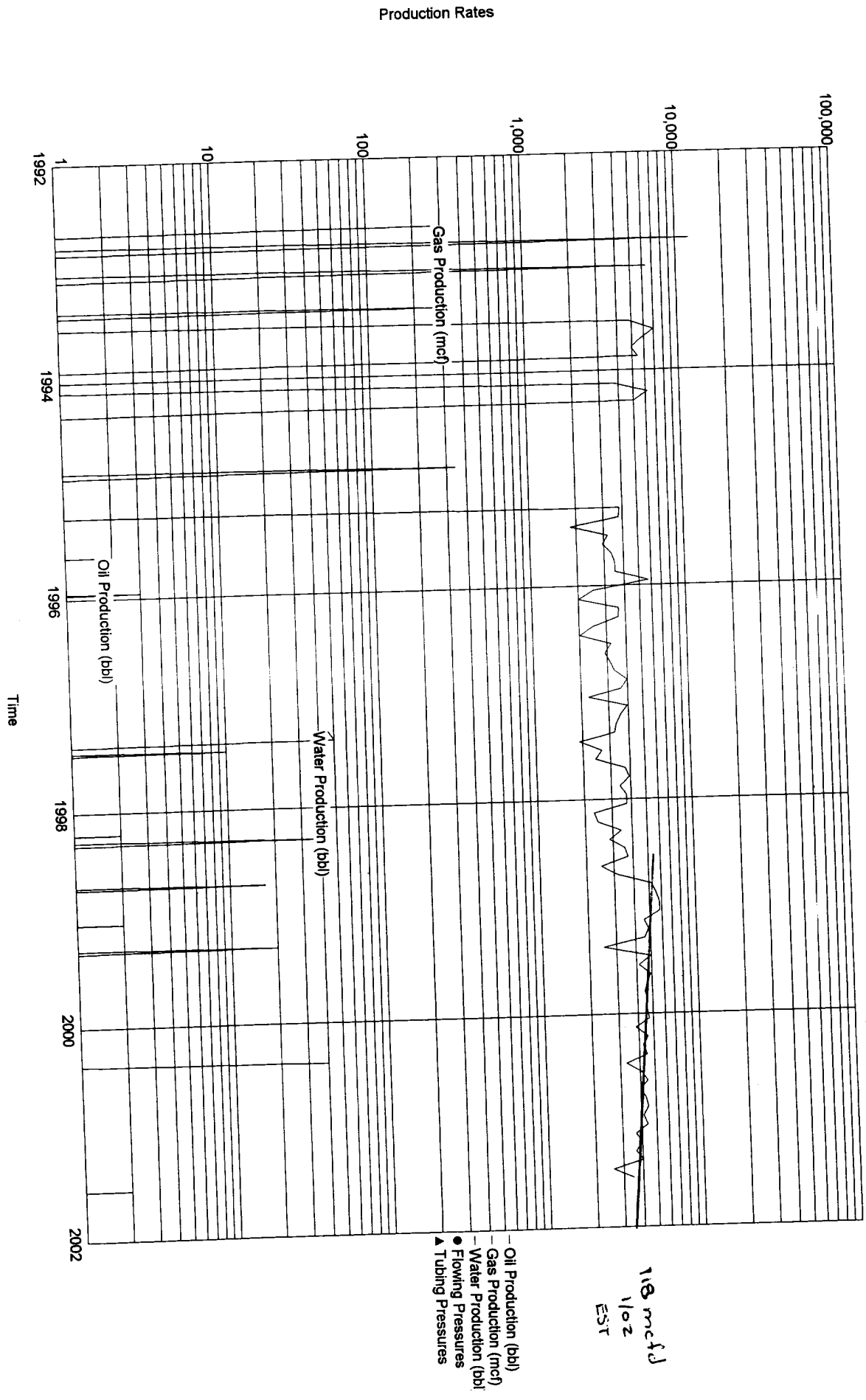
Lease Name: A. B. GEREN
County, State: SAN JUAN, NM
Operator: KOCH EXPLORATION COMPANY
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 21 29N 9W SE SW SW

A. B. GEREN - BASIN



Lease Name: FLORANCE 119
County, State: SAN JUAN, NM
Operator: AMOCO PRODUCTION COMPANY
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 22 29N 9W SW NE NE

FLORANCE 119 - BASIN



Lease Name: GRAMBLING
County, State: SAN JUAN, NM
Operator: BURLINGTON RESOURCES OIL & GAS COMPA
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 22 29N 9W SE NW SW

GRAMBLING - BASIN

