

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  
 Yes  No

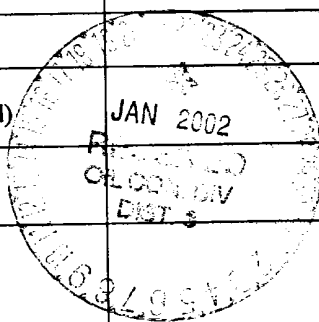
**APPLICATION FOR DOWNHOLE COMMINGLING**

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

San Juan 29-7 Unit 92R N 16 29N 07W Rio Arriba  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 7465 API No. 30-039-25342 Lease Type:  Federal  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)	2875'-3075' (proposed)		4720'-5654'
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)			272 psi @ 5187'
Oil Gravity or Gas BTU (Degree API or Gas BTU)	980 BTU (est)		1192 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: 125 MCFD, 0.0 BOD, 0.0 BWD (est)	Date: Rates:	Date: 11/30/01 Rates: 342 MCFD, 0.07 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 order issued 1-25-2* **ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No

Are all produced fluids from all commingled zones compatible with each other? Yes  No

Will commingling decrease the value of production? Yes  No

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  No

NMOCD Reference Case No. applicable to this well: R-10697

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  
 W. Grand Avenue, Artesia, NM 88210  
 1000 Rio Branco Rd., Artesia, NM 87410  
 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**

<sup>1</sup> API Number 30-039-25342		<sup>2</sup> Pool Code 71629/72319		<sup>3</sup> Pool Name Basin Fruitland Coal/Blanco Mesaverde	
<sup>4</sup> Property Code 7465		<sup>5</sup> Property Name San Juan 29-7 Unit			<sup>6</sup> Well Number 92R
<sup>7</sup> OGRID No. 14538		<sup>8</sup> Operator Name Burlington Resources Oil & Gas Company LP			<sup>9</sup> Elevation 6321' GR

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	29N	7W		450'	South	2025'	West	Rio Arriba

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres FTC - W/320 MV - W/320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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

<p><sup>16</sup></p> <p>Original plat from Neale C. Edwards 11-1-93</p> <p>JAN 2002 RECEIVED OIL CONSERVATION DIVISION</p> <p>2025'</p> <p>450'</p>	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Neale C. Edwards</i> Signature</p> <p>Neale C. Edwards Printed Name</p> <p>Regulatory Supervisor</p> <p>Title</p> <p>1-14-02 Date</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

**SJ 29-7 Unit 92R**  
**Bottom Hole Pressures**  
**Flowing and Static BHP**  
**Cullender and Smith Method**  
Version 1.0 3/13/94

<b>Mesa Verde</b>	
<b><u>MV-Current</u></b>	
GAS GRAVITY	<u>0.696</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.20</u>
%CO2	<u>0.92</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>4.052</u>
DEPTH (FT)	<u>5187</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>240</u>
BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="271.9"/>
<b><u>MV-Original</u></b>	
GAS GRAVITY	<u>0.696</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.20</u>
%CO2	<u>0.92</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>4.052</u>
DEPTH (FT)	<u>5187</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1095</u>
BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="1265.7"/>

Offset well for SJ 29-7 92R

EL PASO NATURAL GAS COMPANY  
VOLUME ACCOUNTING DEPARTMENT  
MEASUREMENT DIVISION  
POST OFFICE BOX 1492  
EL PASO, TEXAS 79978  
PHONE: (915) 541-5267  
CHROMATOGRAPHIC GAS ANALYSIS REPORT

DATE 5/08/94

MAILEE  
99250

MERIDIAN OIL, INC.  
ATTN: MONTY MUMFORD  
801 CHERRY STREET  
FORT WORTH, TX 76102-9999

NE 16-29N-7W

METER NUMBER 70183 - SJ 29-7 UNIT #91  
OPERATOR 1987 - MERIDIAN OIL INC

ANALYSIS DATE 4/27/94  
SAMPLE DATE 4/28/94  
EFFECTIVE DATE 5/01/94  
EFFECTIVE FOR 6 MONTHS

TYPE CODE 2 - ACTUAL  
H2S GRAINS 0  
LOCATION D - DANIELS FM

COMPONENTS	NORMALIZED MDL %	GPM
CO2	.92	.000
H2S	.00	.000
N2	.20	.000
METHANE	82.75	.000
ETHANE	9.55	2.555
PROPANE	3.96	1.091
ISO-BUTANE	.68	.222
NORM-BUTANE	1.00	.315
ISO-PENTANE	.32	.117
NORM-PENTANE	.23	.083
HEXANE PLUS	<u>.39</u>	<u>.170</u>
	100.00	4.553

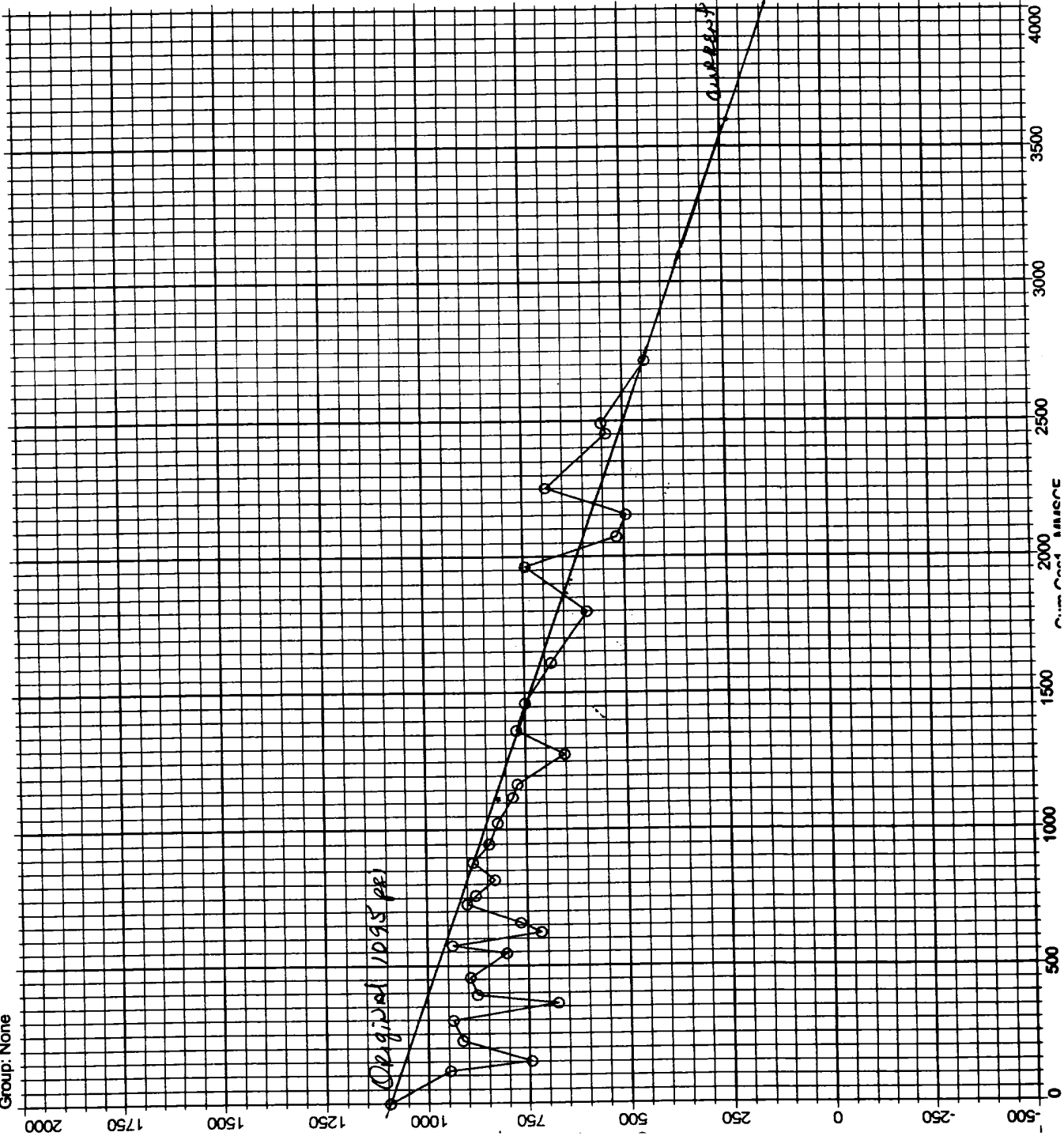
SPECIFIC GRAVITY .896  
MIXTURE HEATING VALUE  
(BTU @ 14.73 DRY) 1208  
RATIO OF SPECIFIC HEATS .000  
NO TEST SECURED FOR H2S CONTENT

SAN JUAN 29-7 UNIT 91 6935501 (57399331492.4444) Data: Jan.1952-Aug.2001

—○— Pressure - psi  
Cum: 0

Production Cums  
Oil: 0 MSTB  
Gas: 3601 MMSCF  
Water: 0.2 MSTB  
Cond: 10.0671 MSTB

Operator: Unknown  
Field: *offset for San Juan 29-7 Unit 92R*  
Zone: No  
Type: Gas  
Group: None  
Forecast: Active



# Cumulative Monthly Well Report January 1997 Through January 2002

Select By : Completions

Page No : 1  
 Report Number : R\_290  
 Print Date : 1/14/2002, 11:55:44 AM

Completion	Date	Oil		Gas		Water	
		Current	Cumulative	Current	Cumulative	Current	Cumulative
SAN JUAN 29-7 UNIT 92R	11/30/1998	91.33	91.33	13,411.39	13,411.39	0.00	0.00
	12/31/1998	54.64	145.96	15,689.78	29,101.17	0.00	0.00
	1/31/1999	52.14	198.10	15,335.87	44,437.04	0.00	0.00
	2/28/1999	68.82	266.91	13,299.65	57,736.69	0.00	0.00
	3/31/1999	67.40	334.31	13,883.94	71,620.63	0.00	0.00
	4/30/1999	27.54	361.85	14,247.66	85,868.29	11.71	11.71
	5/31/1999	23.33	385.18	7,860.58	93,728.87	0.00	11.71
	6/30/1999	89.66	474.84	15,679.97	109,408.84	0.00	11.71
	7/31/1999	69.72	544.57	14,510.40	123,919.24	0.00	11.71
	8/31/1999	30.85	575.42	0.00	123,919.24	11.71	23.42
	9/30/1999	46.69	622.10	14,379.03	138,298.27	0.00	23.42
	10/31/1999	57.14	679.24	13,074.16	151,372.43	0.00	23.42
	11/30/1999	54.89	734.13	13,209.45	164,581.88	0.00	23.42
	12/31/1999	10.87	745.01	12,112.42	176,694.30	0.00	23.42
	1/31/2000	21.68	766.68	12,545.74	189,240.04	0.00	23.42
	2/29/2000	35.84	802.52	11,242.84	200,482.88	0.00	23.42
	3/31/2000	52.55	855.07	12,313.40	212,796.28	0.00	23.42
	4/30/2000	36.70	891.77	10,721.28	223,517.56	0.00	23.42
	5/31/2000	40.14	931.92	11,587.93	235,105.49	0.00	23.42
	6/30/2000	24.64	956.56	10,229.54	245,335.03	0.00	23.42
	7/31/2000	25.83	982.39	17,991.29	263,326.32	0.00	23.42
	8/31/2000	29.18	1,011.57	17,540.33	280,866.65	0.00	23.42
	9/30/2000	30.03	1,041.60	16,727.58	297,594.23	0.00	23.42
	10/31/2000	33.37	1,074.96	16,478.59	314,072.82	0.00	23.42
	11/30/2000	43.05	1,118.01	16,008.00	330,080.82	0.00	23.42
	12/31/2000	35.83	1,153.84	16,843.29	346,924.11	0.00	23.42
	1/31/2001	32.94	1,186.78	16,849.17	363,773.28	0.00	23.42
	2/28/2001	36.70	1,223.48	16,133.44	379,906.72	0.00	23.42
	3/31/2001	10.01	1,233.49	17,277.59	397,184.31	0.00	23.42
	4/30/2001	0.00	1,233.49	16,000.15	413,184.46	0.00	23.42
	5/31/2001	0.00	1,233.49	16,205.07	429,389.53	0.00	23.42
	6/30/2001	0.00	1,233.49	13,472.01	442,861.54	0.00	23.42
	7/31/2001	0.00	1,233.49	16,511.92	459,373.46	0.00	23.42
	8/31/2001	0.00	1,233.49	16,343.30	475,716.76	0.00	23.42
	9/30/2001	0.00	1,233.49	14,954.10	490,670.86	0.00	23.42
	10/31/2001	0.54	1,234.03	15,302.15	505,973.01	0.00	23.42
	11/30/2001	2.08	1,236.11	10,272.16	516,245.17	0.00	23.42
	12/31/2001	1.67	1,237.78	0.00	516,245.17	0.00	23.42
	1/31/2002	0.00	1,237.78	0.00	516,245.17	0.00	23.42

## Commingle Application for San Juan 29-7 Unit # 92R

### 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 San Juan 29-7 Unit # 92R.

Well Name	Location .	Rate (1/02)
San Juan 29-7 Unit # 520	SW 8 T29N R07W	158 mcf/d
San Juan 29-7 Unit # 534	NE 9 T29N R07W	197 mcf/d
San Juan 29-7 Unit # 540	NE 10 T29N R07W .	54 mcf/d
San Juan 29-7 Unit # 509	NE 16 T29N R07W	13 mcf/d
San Juan 29-7 Unit # 525	NE 20 T29N R07W	53 mcf/d
San Juan 29-7 Unit # 526	SW 21 T29N R07W	59 mcf/d
San Juan 29-7 Unit # 537	NE 22 T29N R07W	345 mcf/d
San Juan 29-7 Unit # 559	SW 22 T29N R07W	123 mcf/d

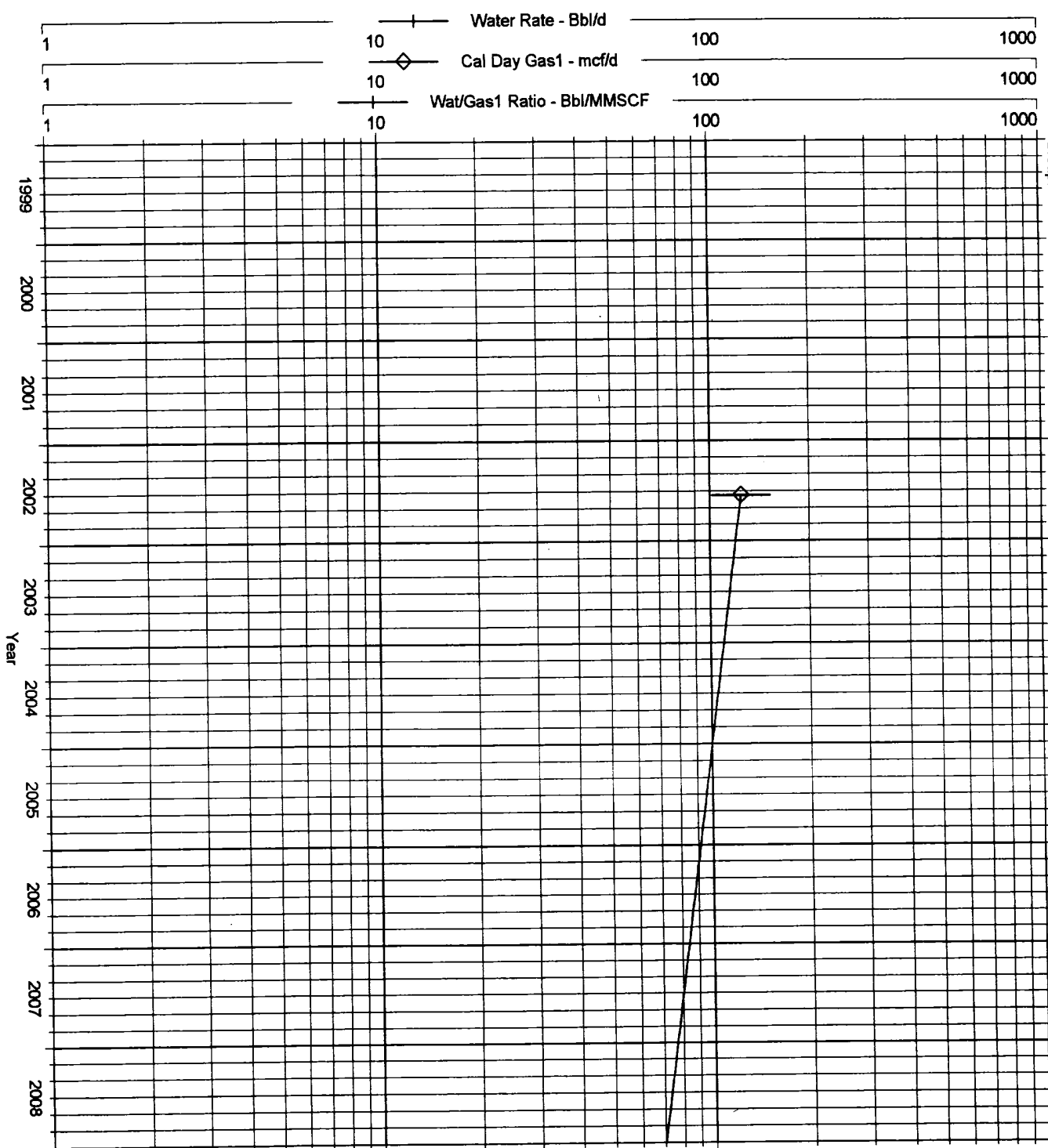
Attached are the 8 production plots for the wells listed above. Attached also, is the estimated production profile for the proposed recompletion in the San Juan 29-7 Unit # 92R. The production is estimated to start at 125 mcf/d and decline at 8.5%, consistent with the area average decline.

29N7W16SW (29N7W16SW) Data: .0- .0

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

Cal Day Gas1 FC 1 (Rate-Time)  
qi: 125 mcf/d, Jul, 2002  
qt: 15,0234 mcf/d, May, 2026  
di(Exp): 8.5 CTD: 0 MMSCF  
RR: 452.29 MMSCF Tot: 452.29 MMSCF

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



— Water Rate - Bbl/d  
Curn: 0

— Cal Day Gas1 - mcf/d  
Curn: 0 MMSCF

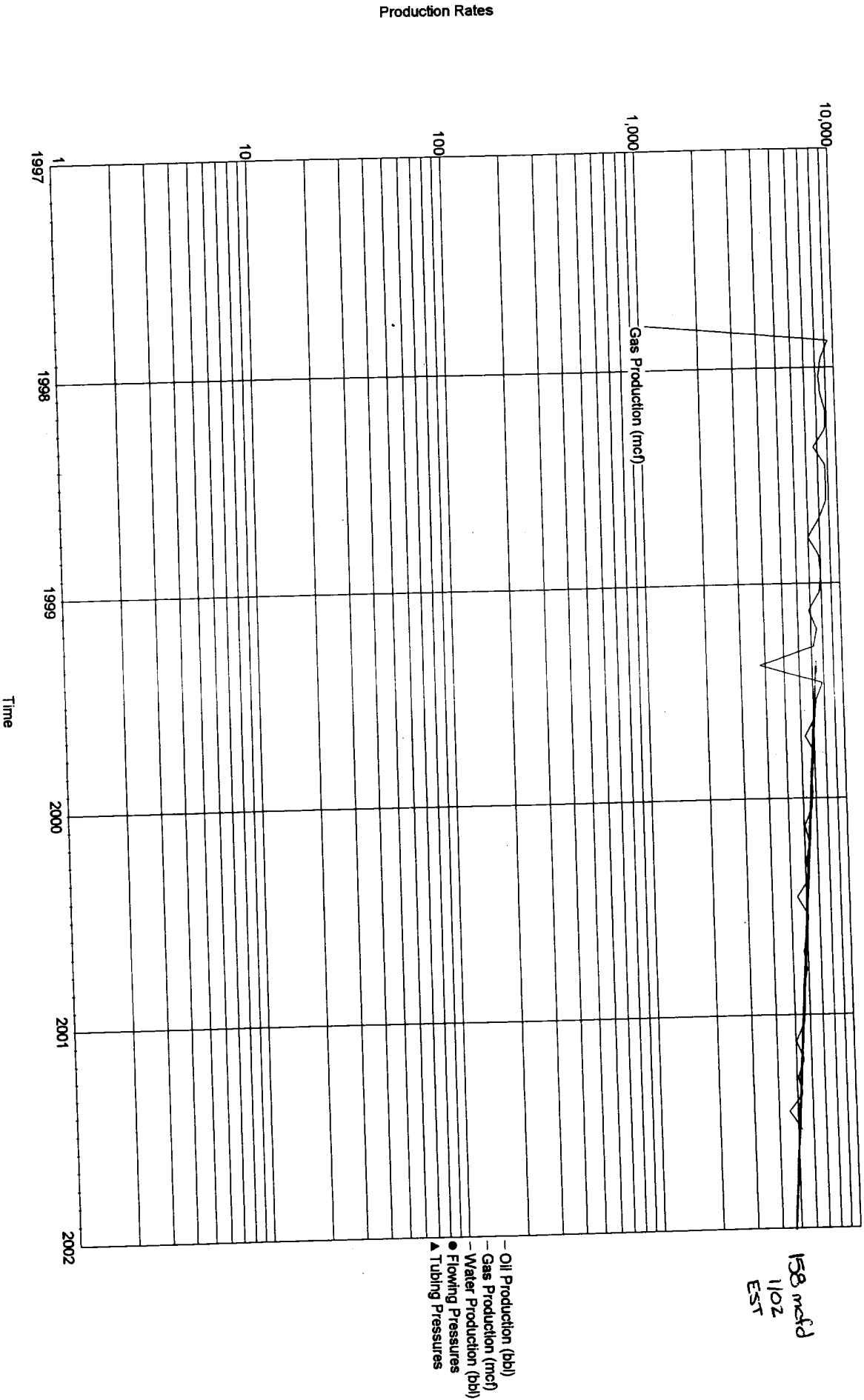
— Cal Day Gas1 FC 1 - mcf/d  
versus time  
qi: 125 mcf/d, Jul, 2002  
qt: 15,0234 mcf/d, May, 2026  
Di:(Exponential) : 8.5  
RR: 452.29 MMSCF  
EUR: 452.29 MMSCF  
Cort coeff: N/A

— Wat/Gas1 Ratio - Bbl/MMSCF  
Curn: 0 MSTB



Lease Name: SAN JUAN 29 7 UNIT  
County, State: RIO ARBA, NM  
Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
Reservoir: FRUITLAND COAL  
Field: BASIN  
Location: 8 29N 7W NW SW

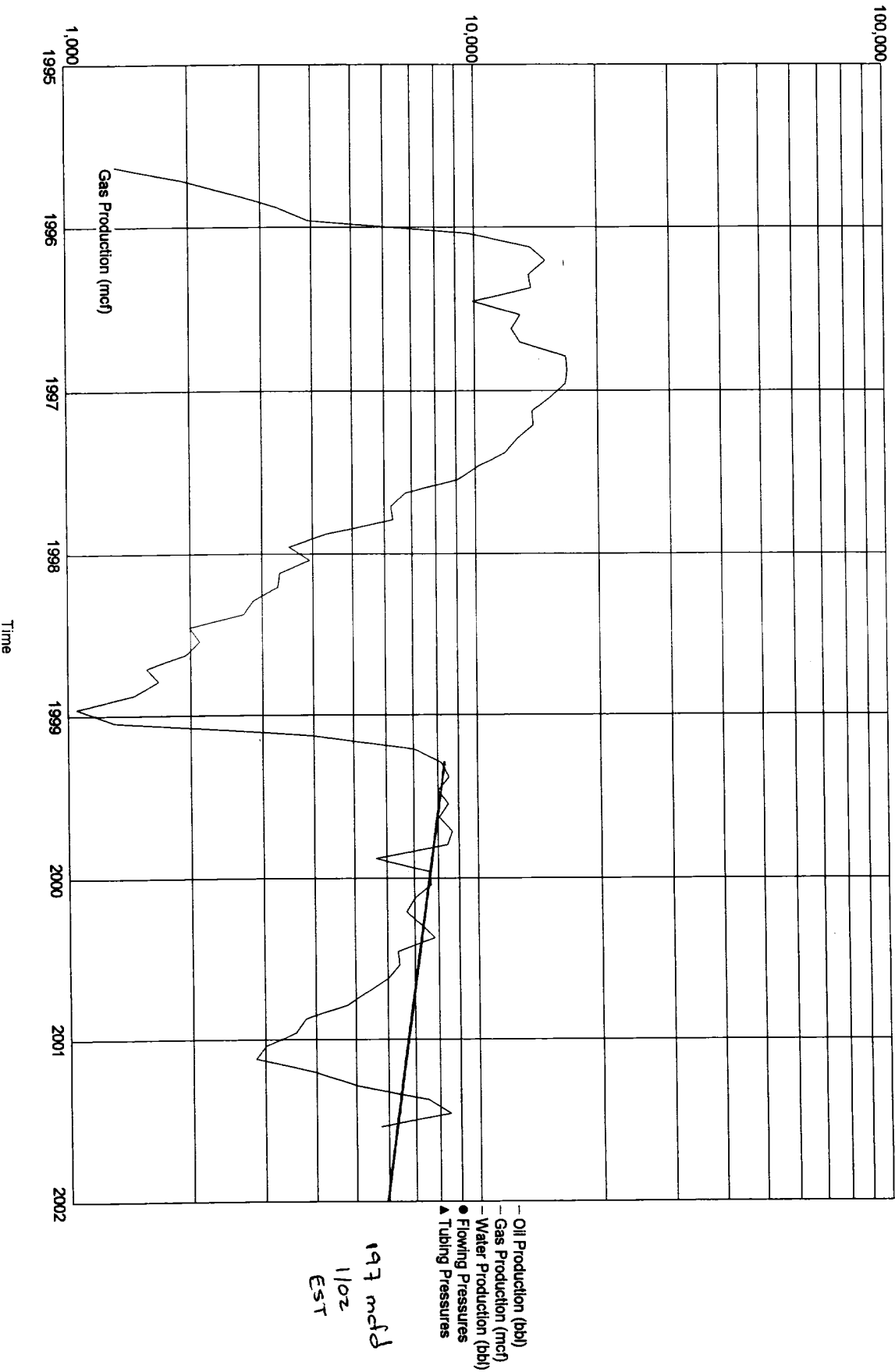
SAN JUAN 29 7 UNIT - BASIN



Lease Name: SAN JUAN 29 7 UNIT  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Reservoir: FRUITLAND COAL  
 Field: BASIN  
 Location: 9 29N 7W SE NW NE

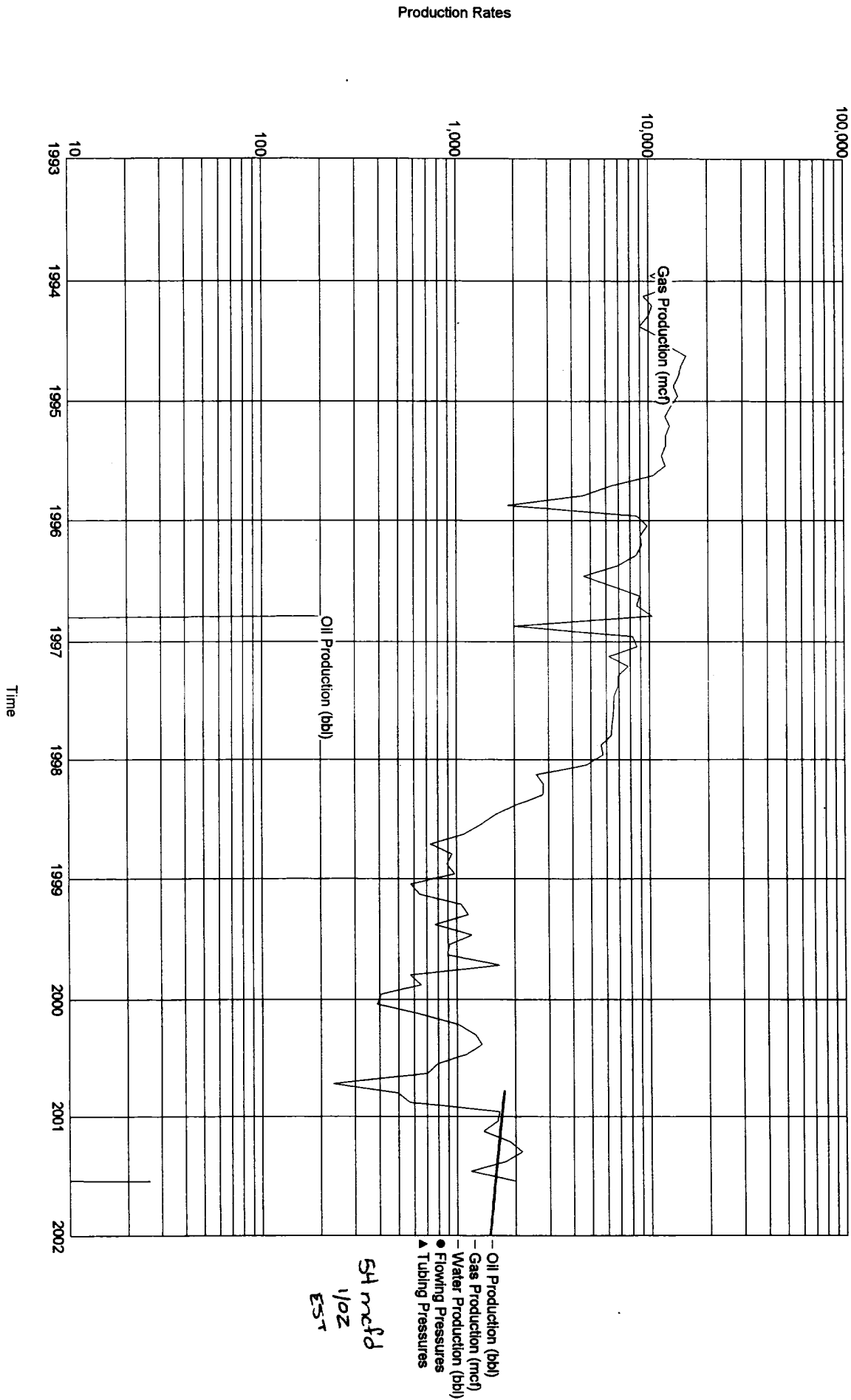
SAN JUAN 29 7 UNIT - BASIN

Production Rates



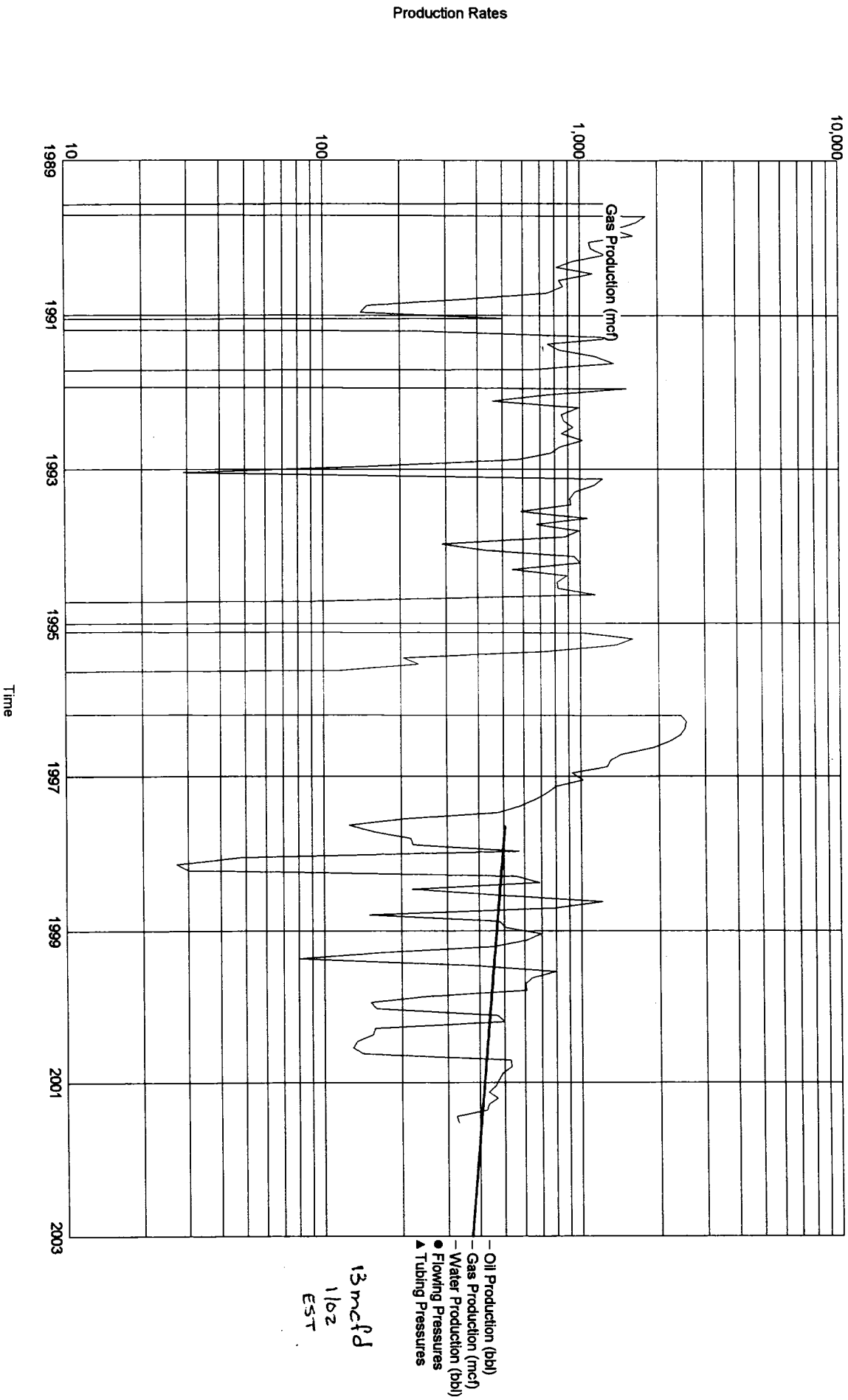
Lease Name: SAN JUAN 29 7 UNIT  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Reservoir: FRUITLAND COAL  
 Field: BASIN  
 Location: 10 29N 7W SW NE NE

SAN JUAN 29 7 UNIT - BASIN



Lease Name: SAN JUAN 29 7 UNIT NP  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Field: BASIN  
 Reservoir: FRUITLAND COAL  
 Location: 16 29N 7W SW NE NE

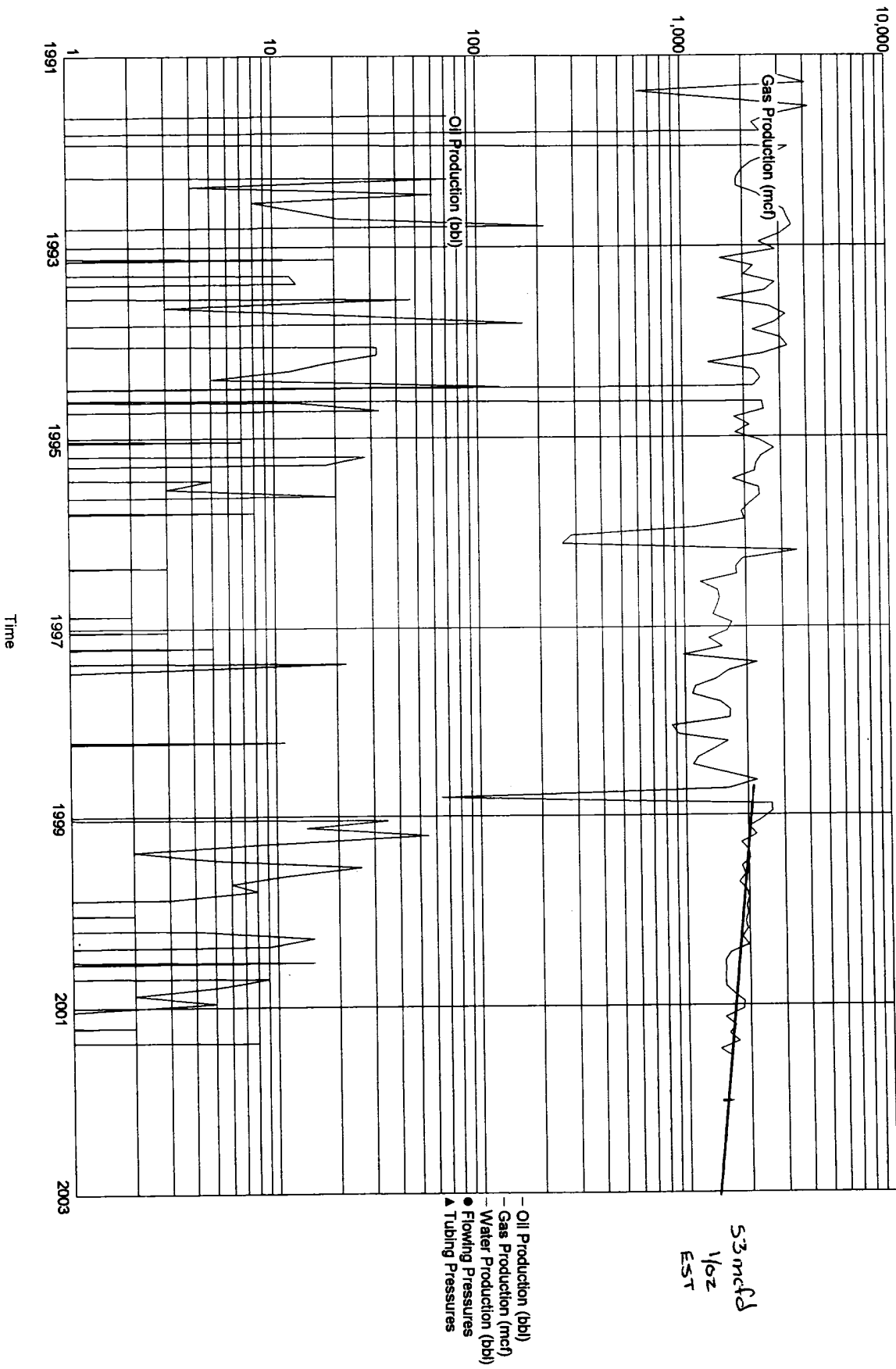
SAN JUAN 29 7 UNIT NP - BASIN



Lease Name: SAN JUAN 29 7 UNIT NP  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Field: BASIN  
 Reservoir: FRUITLAND COAL  
 Location: 20 29N 7W SW SE NE

SAN JUAN 29 7 UNIT NP - BASIN

Production Rates

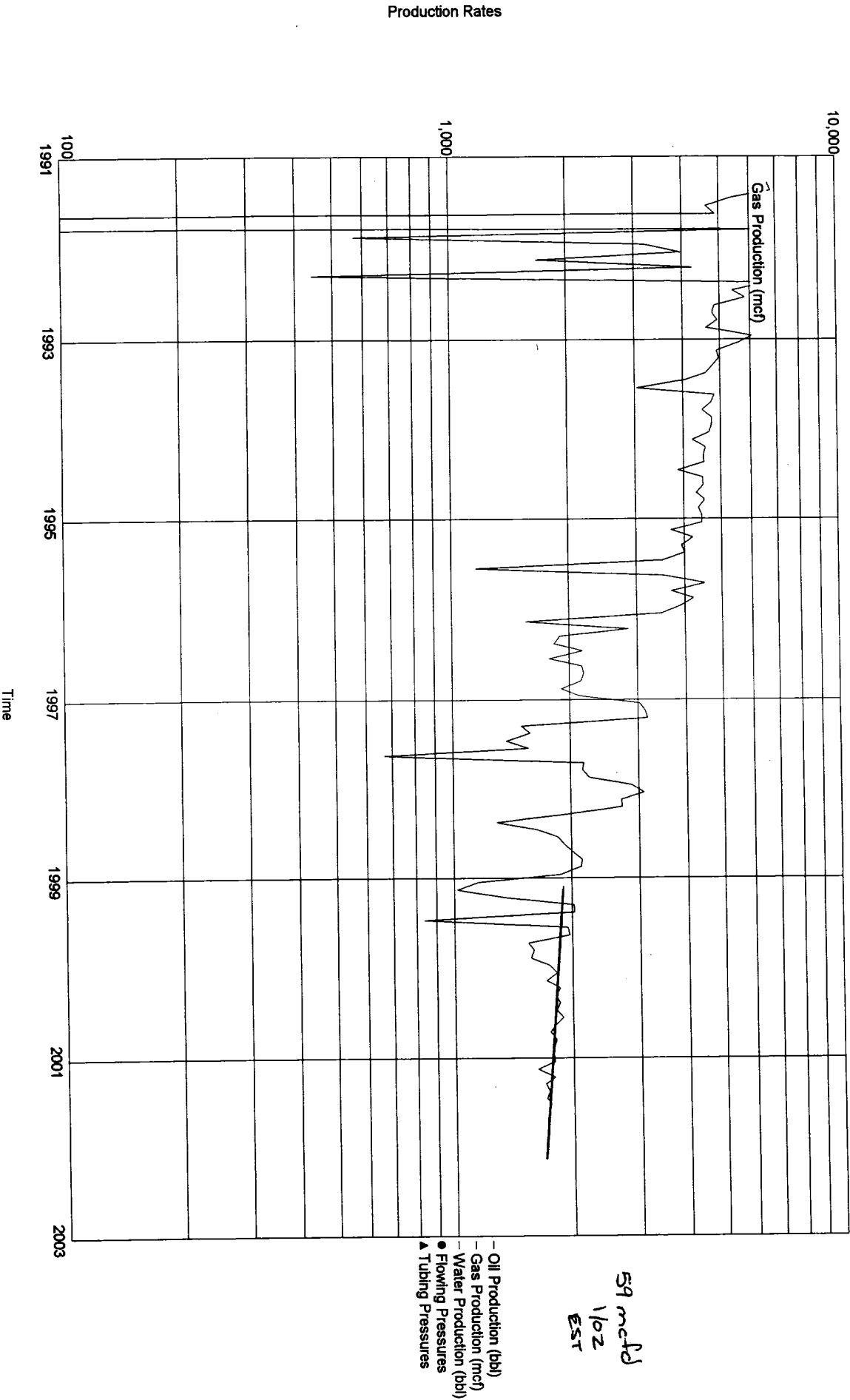


- Oil Production (bbbl)
- Gas Production (mcf)
- Water Production (bbbl)
- Flowing Pressures
- ▲ Tubing Pressures

Time

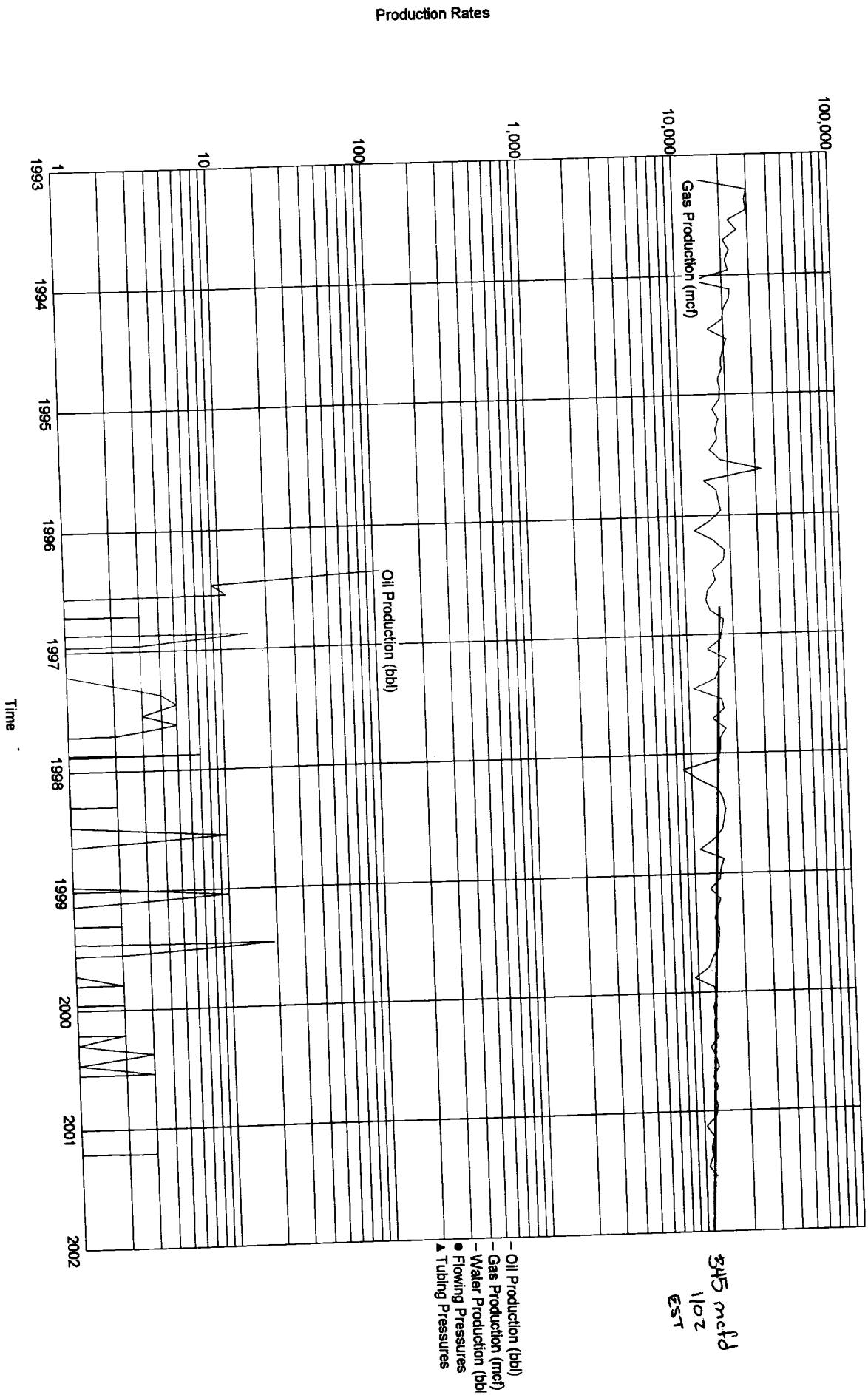
Lease Name: SAN JUAN 29 7 UNIT NP  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Field: BASIN  
 Reservoir: FRUITLAND COAL  
 Location: 21 29N 7W SE NW SW

SAN JUAN 29 7 UNIT NP - BASIN



Lease Name: SAN JUAN 29 7 UNIT  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Field: BASIN  
 Reservoir: FRUITLAND COAL  
 Location: 22 29N 7W SE NW NE

SAN JUAN 29 7 UNIT - BASIN



Production Rates

Lease Name: SAN JUAN 29 7 UNIT  
 County, State: RIO ARBA, NM  
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA  
 Field: BASIN  
 Reservoir: FRUITLAND COAL  
 Location: 22 29N 7W NW SE SW

SAN JUAN 29 7 UNIT - BASIN

Production Rates

