

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



2982

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☐ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

PEGGY COLE
Print or Type Name

Peggy Cole
Signature

Reg. Supr.
Title

1-17-02
Date

pcok@br-inc.com
e-mail Address

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 FOR DOWNHOLE COMMINGLING

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

Burlington Resources Oil and Gas Company
Operator
P.O. Box 4289
Address
Farmington, New Mexico 87499
San Juan 29-7 Unit
Lease
92R
Well No.
N 16 29N 07W
Unit Letter-Section-Township-Range
Rio Arriba
County
OGRID No. 14538
Property Code 7465
API No. 30-039-25342
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)	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

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No X
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No X
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: R-10697

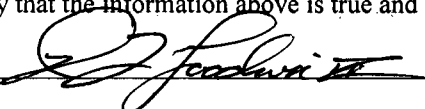
Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation 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  TITLE Production Engineer DATE
nco
TYPE OR PRINT NAME Bobby Goodwin TELEPHONE NO. (505) 326-9700

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

SJ 29-7 Unit 92R
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 3/13/94

Mesa Verde

MV-Current

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)	271.9

MV-Original

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)	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

DATE 5/08/94

CHROMATOGRAPHIC GAS ANALYSIS REPORT

MAILEE
99250

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

NE16-29N-7W

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

ANALYSIS DATE	4/27/94	TYPE CODE	2 - ACTUAL
SAMPLE DATE	4/26/94	H2S GRAINS	0
EFFECTIVE DATE	5/01/94	LOCATION	D - DANIELS FM
EFFECTIVE FOR	6 MONTHS		

COMPONENTS	NORMALIZED MOL %	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	.39	.170
	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

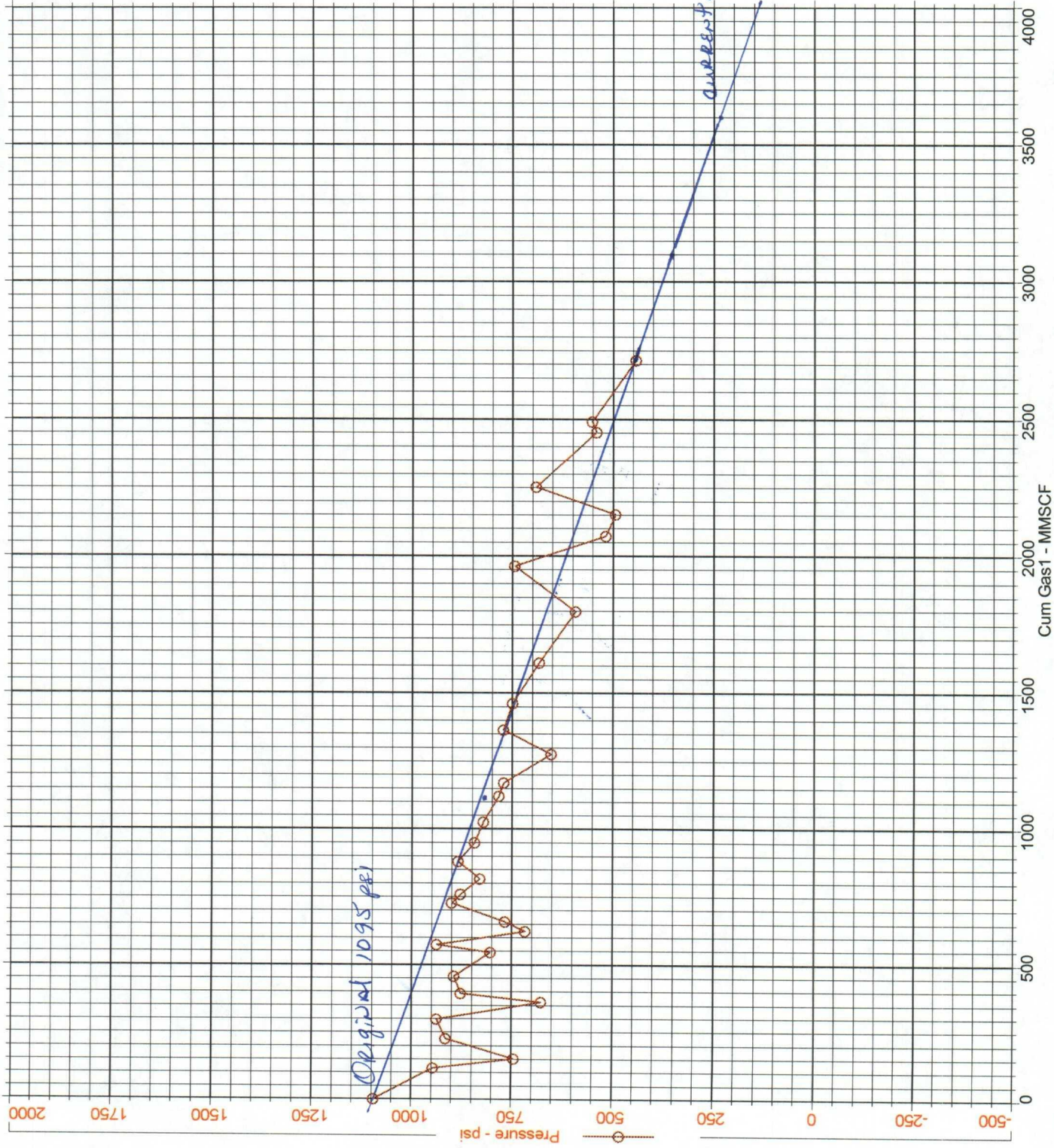
SAN JUAN 29-7 UNIT 91 6935501 (57399331492.4444) Data: Jan.1952-Aug.2001

Operator: Unknown
Field:
Zone:
Type: Gas
Group: None

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

No
Active
Forecast

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, 11:55:44 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

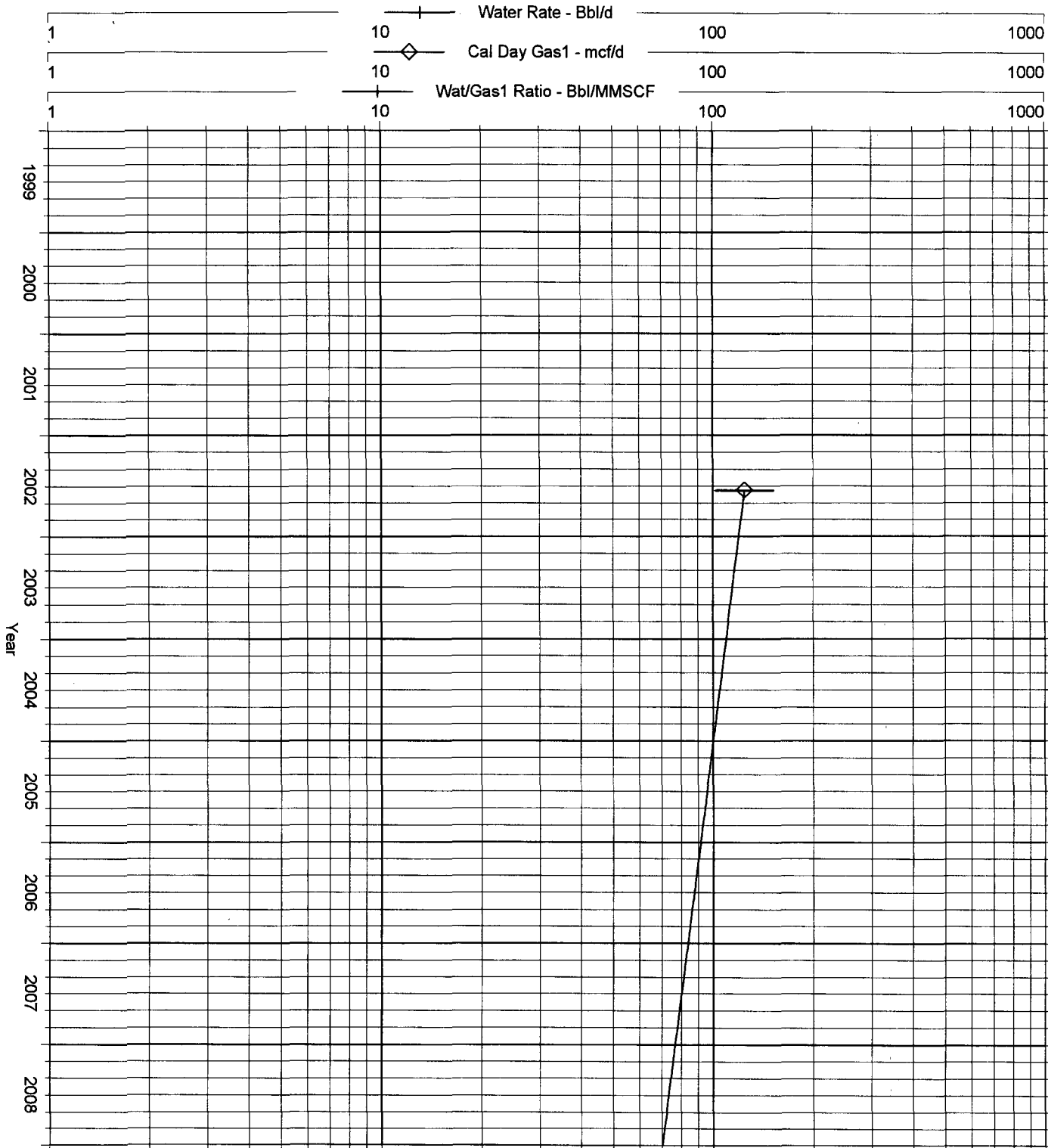
Attached are the 8 production plots for the wells listed above. Attached also, is the estimated production profile for the proposed recompletion in the San Juan 29-7 Unit # 92R. The production is estimated to start at 125 mcf/d and decline at 8.5%, consistent with the area average decline.

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
Cum: 0

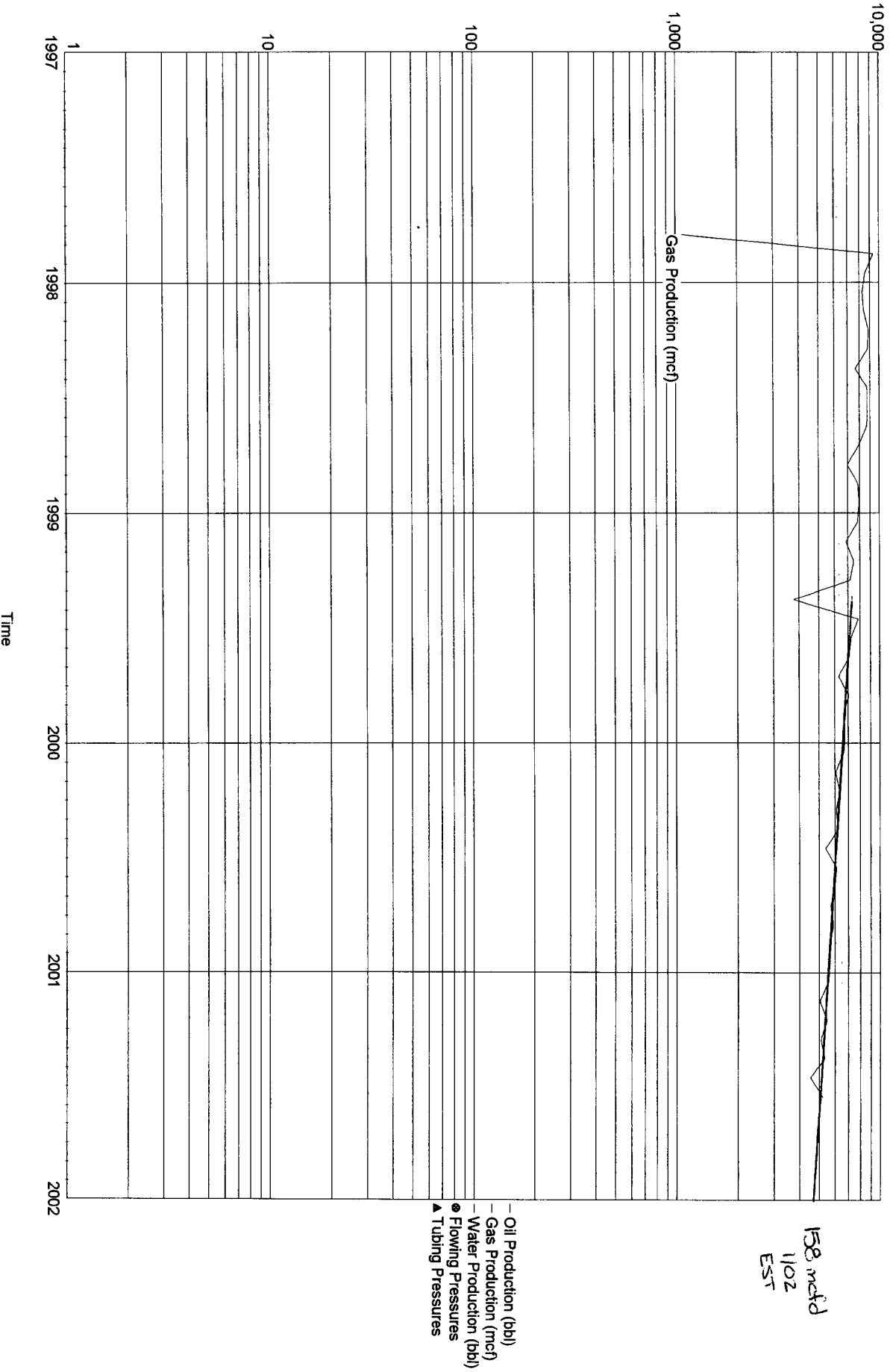
Cal Day Gas1 - mcf/d
Cum: 0 MMSCF

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
Corr coeff: N/A

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

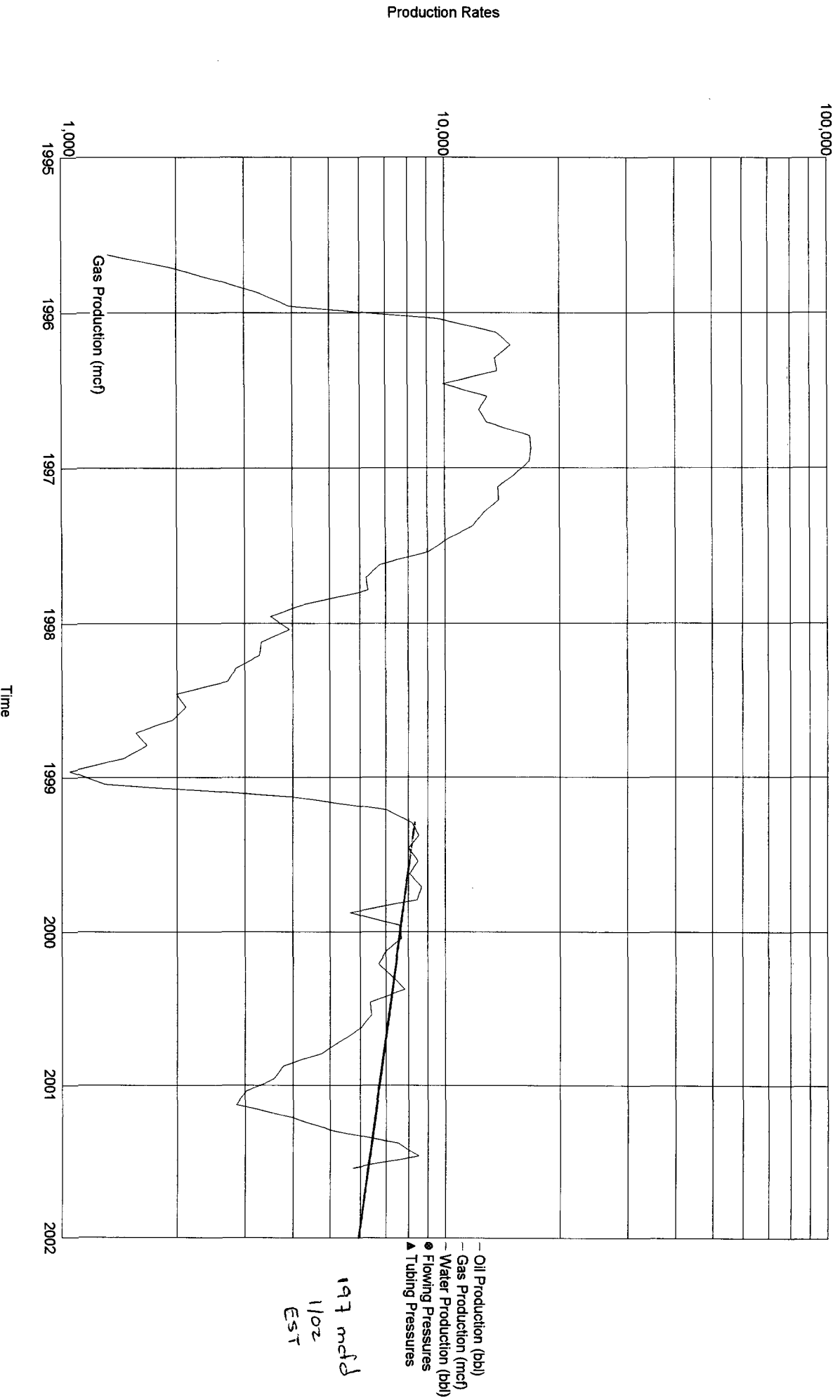
Lease Name: SAN JUAN 29 7 UNIT
County, State: RIO ARBA, NM
Operator: BURLINGTON RESOURCES OIL & GAS COMPA
Field: BASIN
Reservoir: FRUITLAND COAL
Location: 8 29N 7W NW SW

SAN JUAN 29 7 UNIT - BASIN



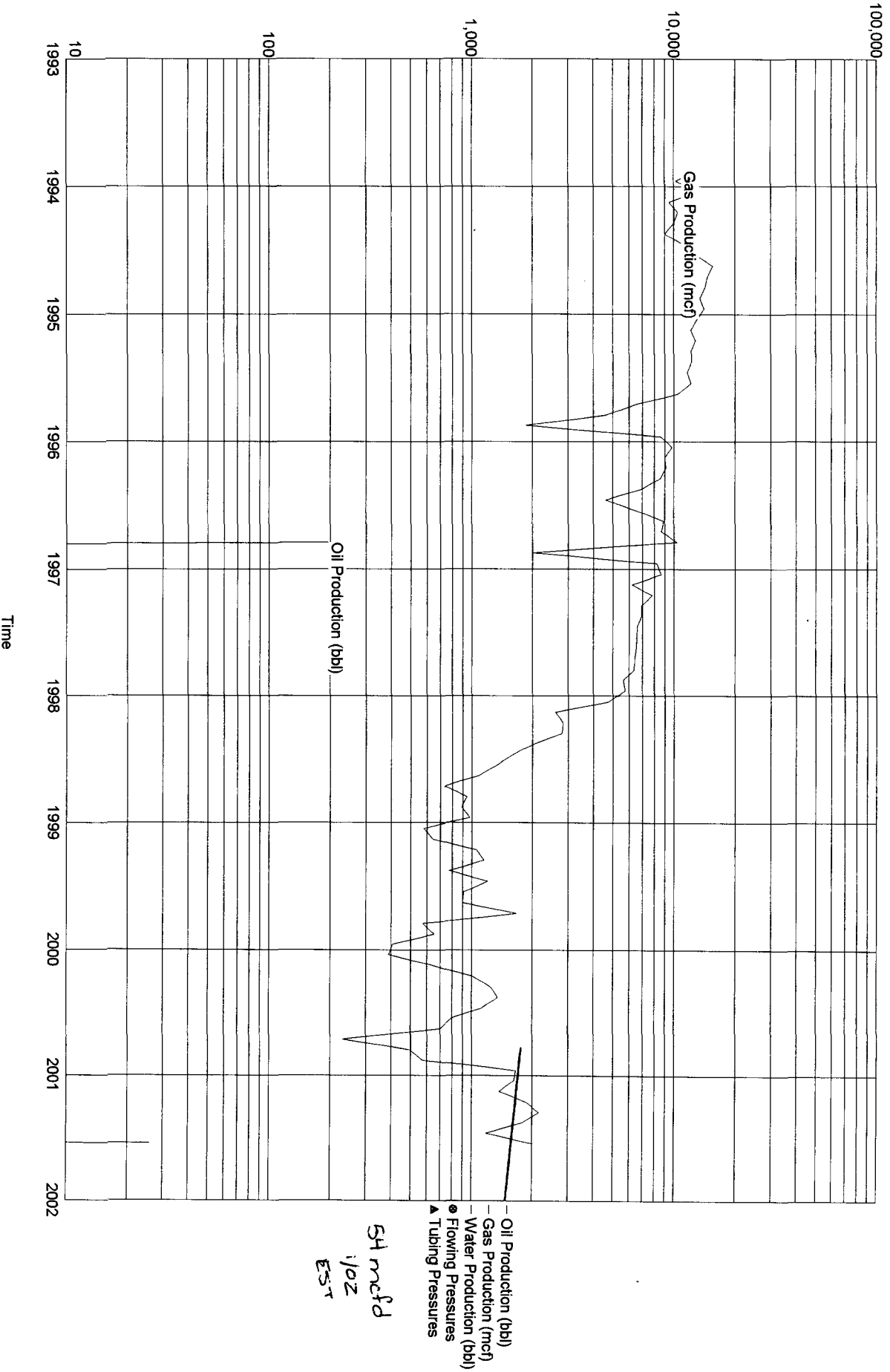
Lease Name: SAN JUAN 29 7 UNIT
 County, State: RIO ARBA, NM
 Operator: BURLINGTON RESOURCES OIL & GAS COMPA
 Field: BASIN
 Reservoir: FRUITLAND COAL
 Location: 9 29N 7W SE NW NE

SAN JUAN 29 7 UNIT - 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: 10 29N 7W SW NE NE

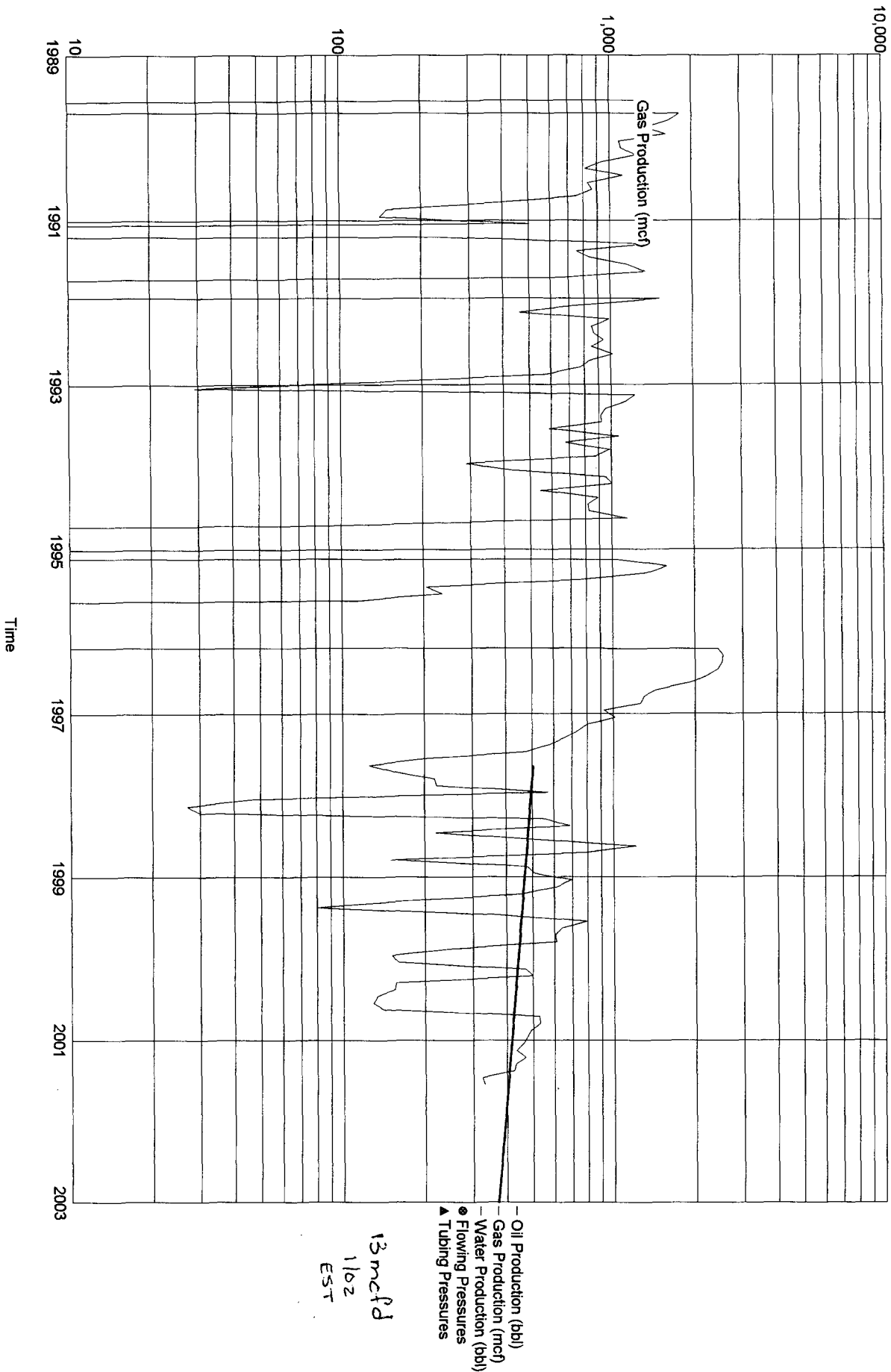
SAN JUAN 29 7 UNIT - BASIN



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

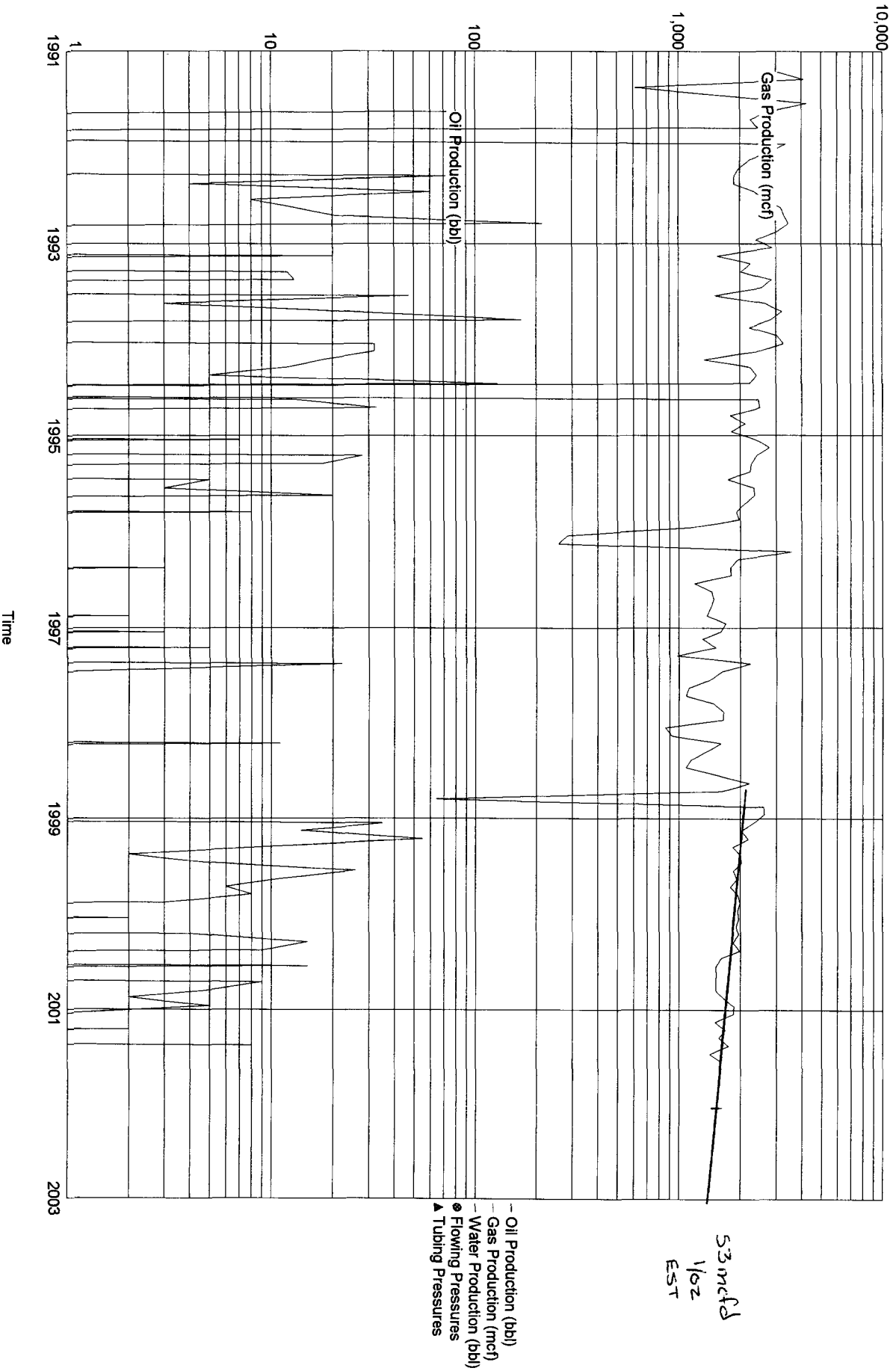
SAN JUAN 29 7 UNIT NP - BASIN

Production Rates



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

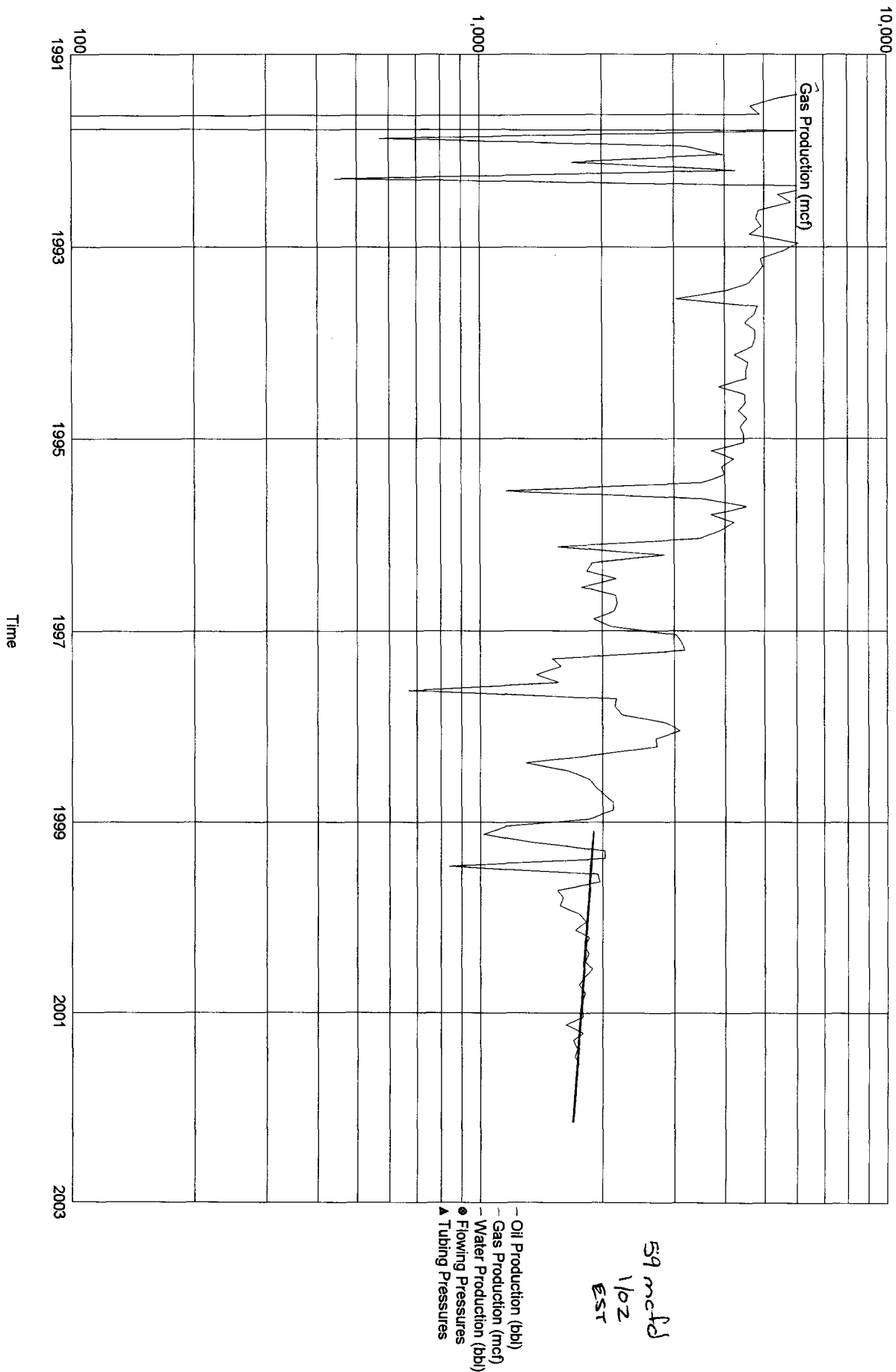
SAN JUAN 29 7 UNIT NP - BASIN



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

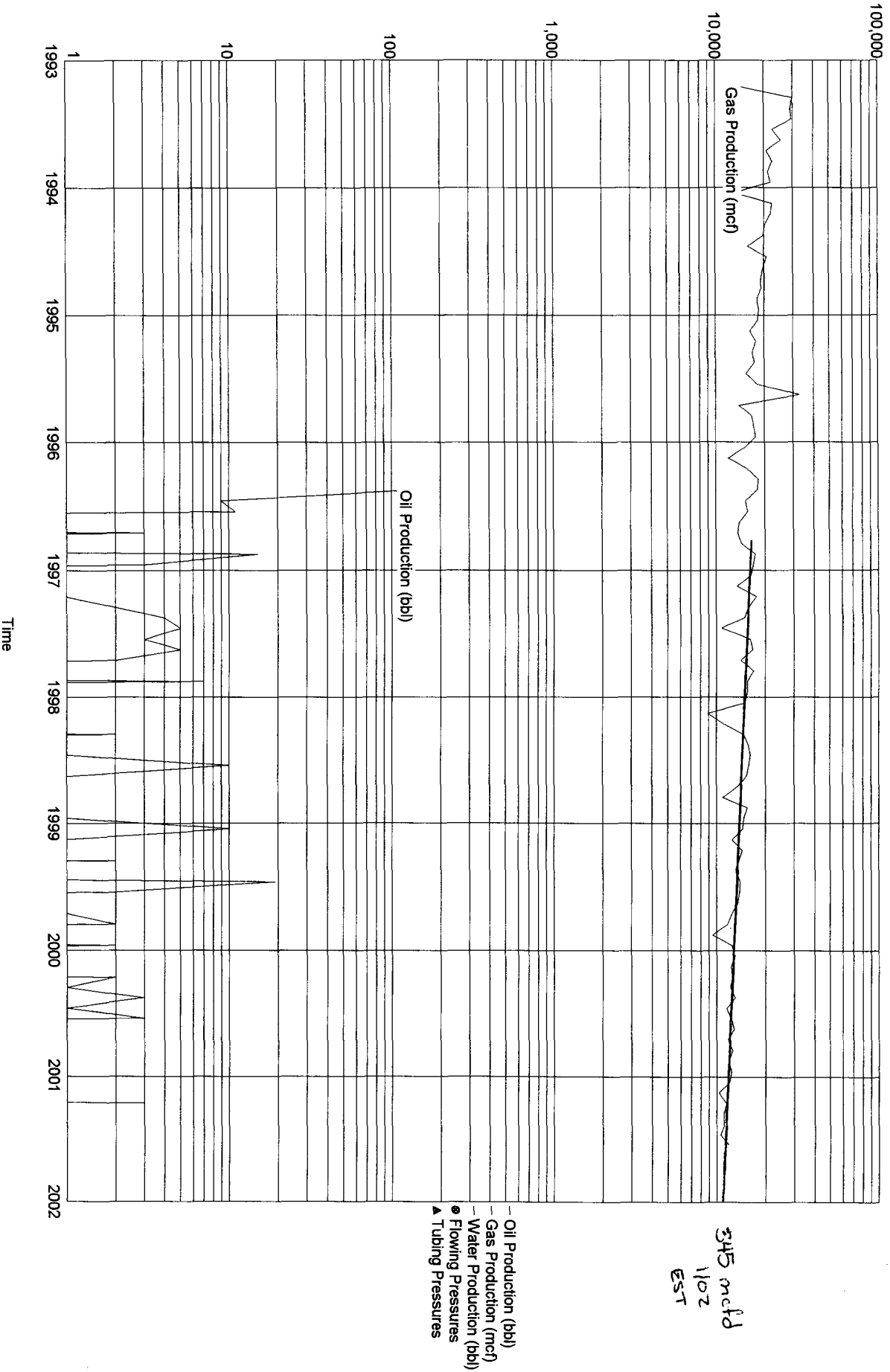
SAN JUAN 29 7 UNIT NP - BASIN

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 SE NW NE

SAN JUAN 29 7 UNIT - 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 NW SE SW

SAN JUAN 29 7 UNIT - BASIN

