

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

OCT 2001 EXISTING WELLBORE

X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

GRENIER B

4E

C-04-29N-10W

SAN JUAN

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 14538 Property Code 18532 API No. 30-045-29406

Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	OTERO CHACRA	BLANCO MESAVERDE	BASIN DAKOTA
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	WILL BE SUPPLIED UPON COMPLETION	WILL BE SUPPLIED UPON COMPLETION	6959'-6822'
Method of Production (Flowing or Artificial Lift)	FLOWING	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)	385 PSI - CURRENT 724 PSI - ORIGINAL (see attachment)	413 PSI - CURRENT 1281 PSI - ORIGINAL (see attachment)	716 PSI - CURRENT 2548 PSI - ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1076	1223	1216
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	SHUT IN
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: New Zone Rates: (see attached)	Date: New Zone Rates: (see attached)	Date: 6/30/01 Rates: 81 mcf/d
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil % Gas % WILL BE SUPPLIED UPON COMPLETION	Oil % Gas % WILL BE SUPPLIED UPON COMPLETION	Oil % Gas % WILL BE SUPPLIED UPON COMPLETION

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

Sean E. Corrigan

TITLE

Production Engineer

DATE 10/25/01

tlw

TYPE OR PRINT NAME Sean E. Corrigan

TELEPHONE NO. (505) 326-9700

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-8719
District III
1088 Rio Hondo Rd., Aztec, NM 87418
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 1991
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29406		Pool Code 71599/72319/82329	Pool Name Basin Dakota/Blanco Mesaverde/Otero Chacra
Property Code 18532	Property Name Grenier B		Well Number 4E
OGRID No. 14538	Operator Name Burlington Resources Oil & Gas Company		Elevation 5951'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	4	29 N	10 W		1110	North	1675	West	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres Cha. NW/145 MV/DK: N/29, 29	13 Joint or Infill 83	14 Commencement Code	15 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

				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 Date	
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is true and correct to the best of my belief. 7-9-96 Date of Survey Signature Certificate Number				19 20	

5227.20'

Grenier B #4E
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.706	GAS GRAVITY	0.719
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.587	%N2	0.317
%CO2	0.683	%CO2	1.971
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4725	DEPTH (FT)	6894
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	366	SURFACE PRESSURE (PSIA)	601
BOTTOMHOLE PRESSURE (PSIA)	412.6	BOTTOMHOLE PRESSURE (PSIA)	715.5
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.706	GAS GRAVITY	0.719
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.587	%N2	0.317
%CO2	0.683	%CO2	1.971
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4725	DEPTH (FT)	6894
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1117	SURFACE PRESSURE (PSIA)	2082
BOTTOMHOLE PRESSURE (PSIA)	1281.4	BOTTOMHOLE PRESSURE (PSIA)	2547.5

Grenier B #4E
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
 Version 1.0 3/13/94

Chacra	
<u>CH-Current</u>	
GAS GRAVITY	0.613
COND. OR MISC. (C/M)	C
%N2	0.15
%CO2	1.02
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	3266
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	359
BOTTOMHOLE PRESSURE (PSIA)	385.3
<u>CH-Original</u>	
GAS GRAVITY	0.613
COND. OR MISC. (C/M)	C
%N2	0.15
%CO2	0.613
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	3266
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	672
BOTTOMHOLE PRESSURE (PSIA)	723.6

Grenier B #4E
Existing Dakota Well

<u>WellName</u>	<u>Date</u>	<u>Well Head Pressure</u>
GRENIER B 4E	9/11/1961	2,082
GRENIER B 4E	8/10/1970	820
GRENIER B 4E	8/13/1971	548
GRENIER B 4E	5/11/1972	519
GRENIER B 4E	10/19/1981	601

Grenier B #4E

Offset Mesaverde Well

<u>WellName</u>	<u>Date</u>	<u>Well Head Pressure</u>
GRENIER B 4A	7/5/1981	1,117
GRENIER B 4A	3/24/1982	743
GRENIER B 4A	8/24/1983	515
GRENIER B 4A	4/4/1984	443
GRENIER B 4A	3/12/1986	352
GRENIER B 4A	8/30/1989	458
GRENIER B 4A	11/12/1991	378
GRENIER B 4A	5/31/1993	366

Grenier B #4E
Offset Chacra Well

<u>WellName</u>	<u>Date</u>	<u>Well Head Pressure</u>
Hubbell 4	12/9/1974	672
Hubbell 4	5/16/1975	415
Hubbell 4	4/12/1976	381
Hubbell 4	5/9/1977	359

GRENIER B 4E 6125601 (321676974333.329) Data: Jan. 1997-Jun. 2001

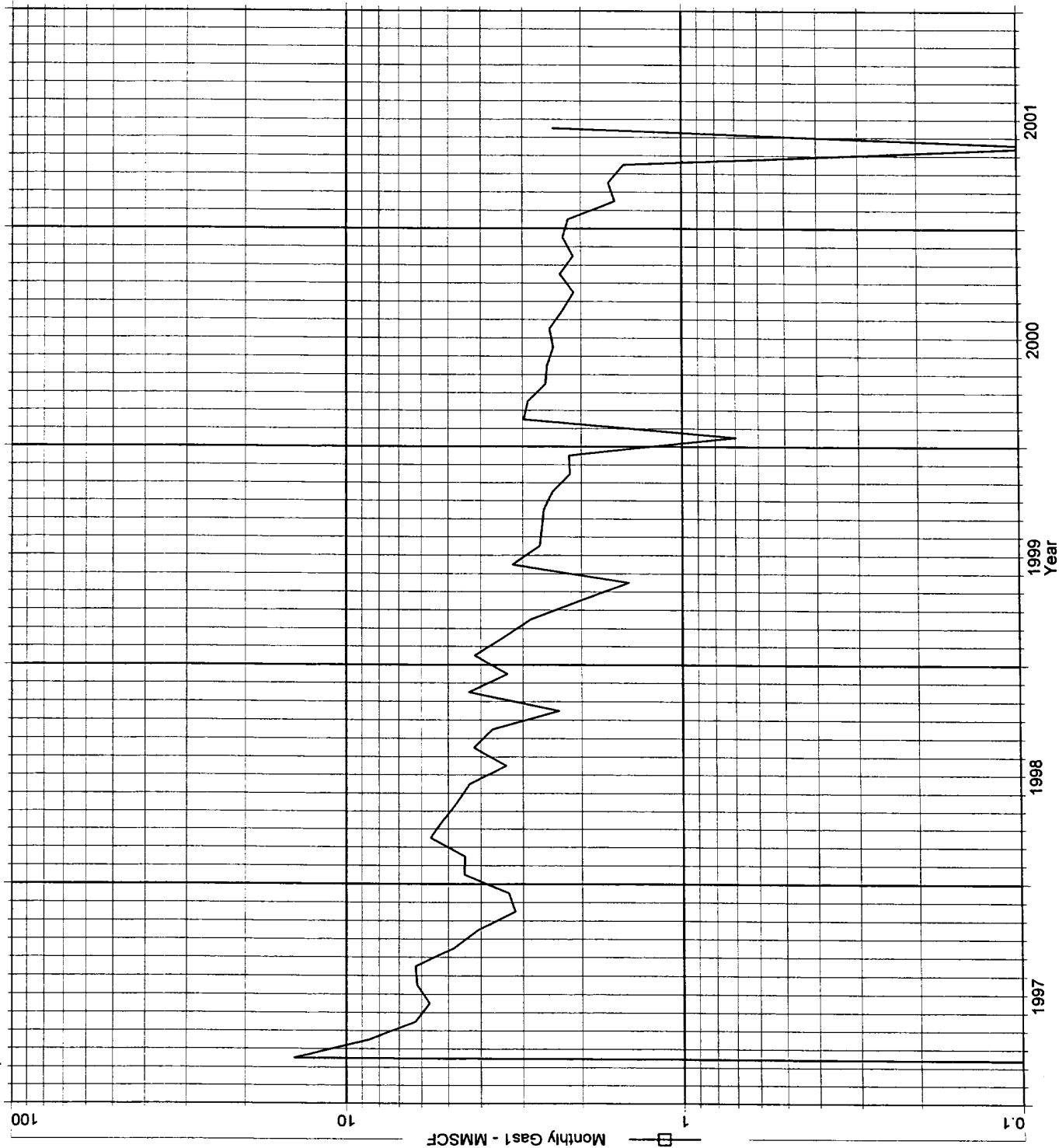
Operator: BURLINGTON RESOURCES OG CO LP
Field: BASIN DAKOTA (PRORATED GAS)
Zone:

Type: Gas
Group: None

No
Active
Forecast

Production Cums
Oil: 0 MSTB
Gas: 181.499 MMSCF
Water: 0.01635 MSTB
Cond: 0.563716 MSTB

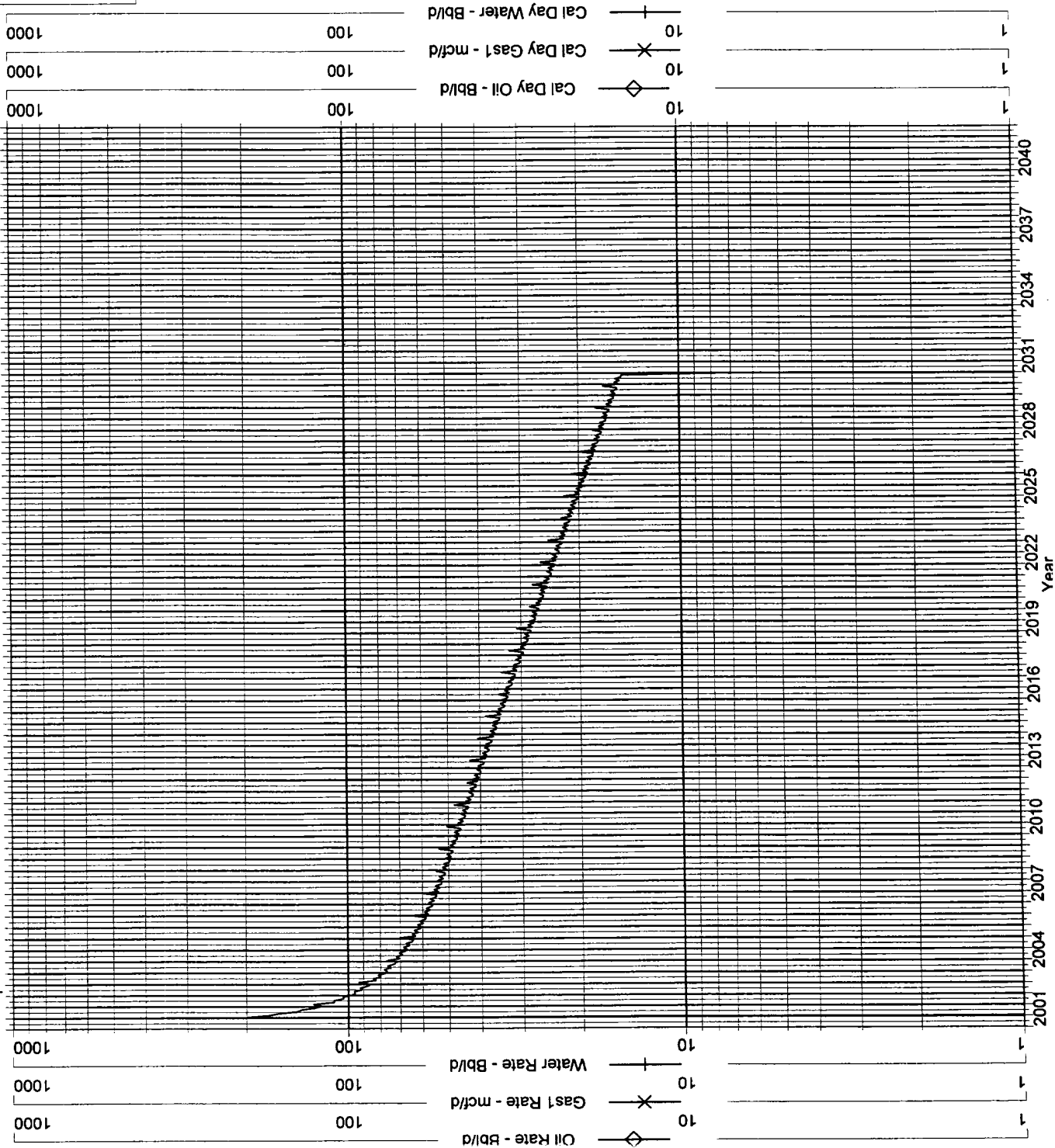
Monthly Gas1 - MMSCF
Cum: 181.499 MMSCF



—◇— Oil Rate - Bbl/d
 Cum: 0
 —*— Gas1 Rate - mcf/d
 Cum: 0
 —+— Water Rate - Bbl/d
 Cum: 0
 —◇— Cal Day Oil - Bbl/d
 Cum: 0 MSTB
 —*— Cal Day Gas1 - mcf/d
 Cum: 0 MMSCF
 —+— Cal Day Water - Bbl/d
 Cum: 0 MSTB

Operator: No
 Field: Active
 Zone: Forecast
 Type: Other
 Group: None
 Production Cums
 Oil: 0 MSTB
 Gas: 0 MMSCF
 Water: 0 MSTB
 Cond: 0 MSTB

GRENIER B 4E (MV) (GRENIER B 4E (MV)) Data: 0- .0



((4B9C5F04-97CF-11D5-A613-0090274E637E)) Data: Aug. 2001-Aug. 2001

Operator:

Field:

Zone: CHACRA

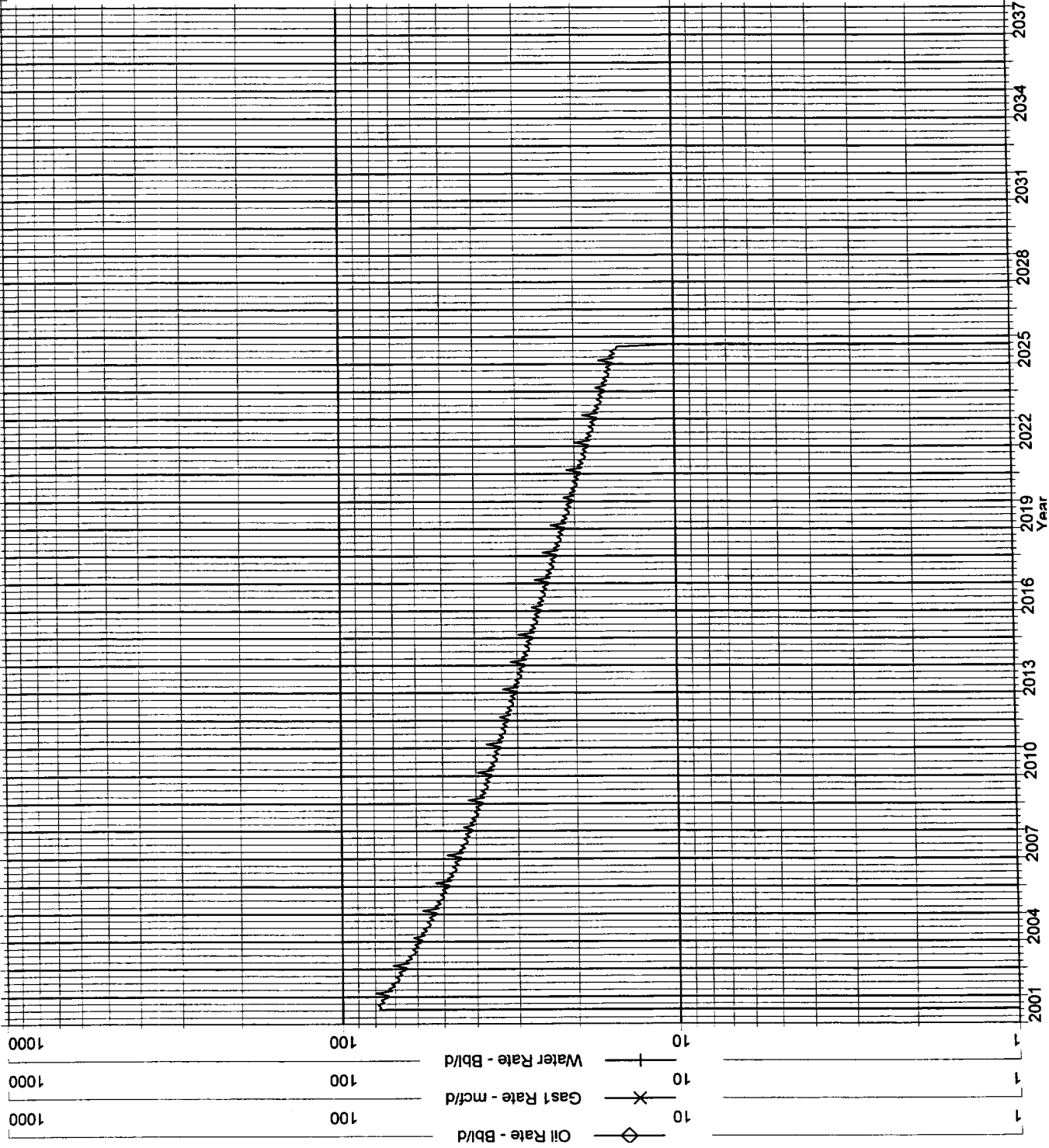
Type: Other

Group: None

No
Active
Forecast

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

Oil Rate - Bbl/d
Cum: 0
Gas1 Rate - mcf/d
Cum: 0
Water Rate - Bbl/d
Cum: 0



Grenier B #4E
Mesaverde / Chacra Recomplete
29N - 10W - 04C

