

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



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

11-8-01
Date

326-9727

pecole@br-inc.com
e-mail Address

OIL CONSERVATION DIV.
01 NOV -9 AM 11:24

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 & GAS COMPANY		PO BOX 4289, FARMINGTON, NM 87499	
Operator		Address	
GRENIER B	5	L-06-29N-10W	SAN JUAN
Lease	Well No.	Unit Letter-Section-Township-Range	County
OGRID No. 14538	Property Code 18532	API No. 30-045-20055	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	6623'-6710'
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)	614 PSI – CURRENT 2060 PSI – ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1076	1223	1164
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: 7/31/01 Rates: 38 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 No X
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? 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:

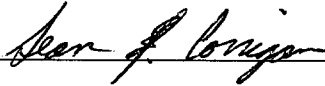
- Attachments:
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 - Production curve for each zone for at least one year. (If not available, attach explanation.)
 - For zones with no production history, estimated production rates and supporting data.
 - Data to support allocation method or formula.
 - Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
 - 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	10/31/2001
tlw					
TYPE OR PRINT NAME	Sean E. Corrigan	TELEPHONE NO. (505)	326-9700		

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-20055		² Pool Code 82329/72319/71599		³ Pool Name Otero Chacra/Blanco Mesaverde/Basin Dakota	
⁴ Property Code 18532		⁵ Property Name Grenier B			⁶ Well Number 5
⁷ OGRID No. 14538		⁸ Operator Name Burlington Resources Oil & Gas Company			⁹ Elevation 5857' GR

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
L	6	29N	10W		1710	South	1040	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
Cha: SW/132
MV: S/281.04
¹³ Joint or Infill
14
DK: S/312.60
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 Ernest Echchawk, 4/12/1967. 	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 8-21-01 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 Surveyer: Certificate Number	

Grenier B #5
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	0.682
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.587	%N2	0.317
%CO2	0.683	%CO2	1.707
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4725	DEPTH (FT)	6702
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)	524
BOTTOMHOLE PRESSURE (PSIA)	412.6	BOTTOMHOLE PRESSURE (PSIA)	613.5
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.706	GAS GRAVITY	0.682
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.587	%N2	0.317
%CO2	0.683	%CO2	1.707
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4725	DEPTH (FT)	6702
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)	1721
BOTTOMHOLE PRESSURE (PSIA)	1281.4	BOTTOMHOLE PRESSURE (PSIA)	2060.4

Grenier B #5
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
 Version 1.0 3/13/94

Chacra	
<u>CH-Current</u>	
GAS GRAVITY	<u>0.613</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.15</u>
%CO2	<u>1.02</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>3266</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>359</u>
BOTTOMHOLE PRESSURE (PSIA)	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">385.3</div>
<u>CH-Original</u>	
GAS GRAVITY	<u>0.613</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.15</u>
%CO2	<u>0.613</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>3266</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>672</u>
BOTTOMHOLE PRESSURE (PSIA)	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">723.6</div>

Grenier B #5

Existing Dakota Well

<u>WellName</u>	<u>Date</u>	<u>Well Head Pressure</u>
GRENIER B 5	5/16/1967	1,721
GRENIER B 5	9/28/1970	656
GRENIER B 5	5/26/1971	569
GRENIER B 5	3/18/1972	500
GRENIER B 5	7/3/1973	732
GRENIER B 5	5/3/1975	477
GRENIER B 5	7/3/1977	474
GRENIER B 5	5/2/1979	463
GRENIER B 5	9/24/1981	472
GRENIER B 5	8/24/1983	441
GRENIER B 5	6/12/1985	438
GRENIER B 5	9/5/1990	524

Grenier B #5

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 #5
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 5 2566401 (248482257858.21) Data: Jan. 1967-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

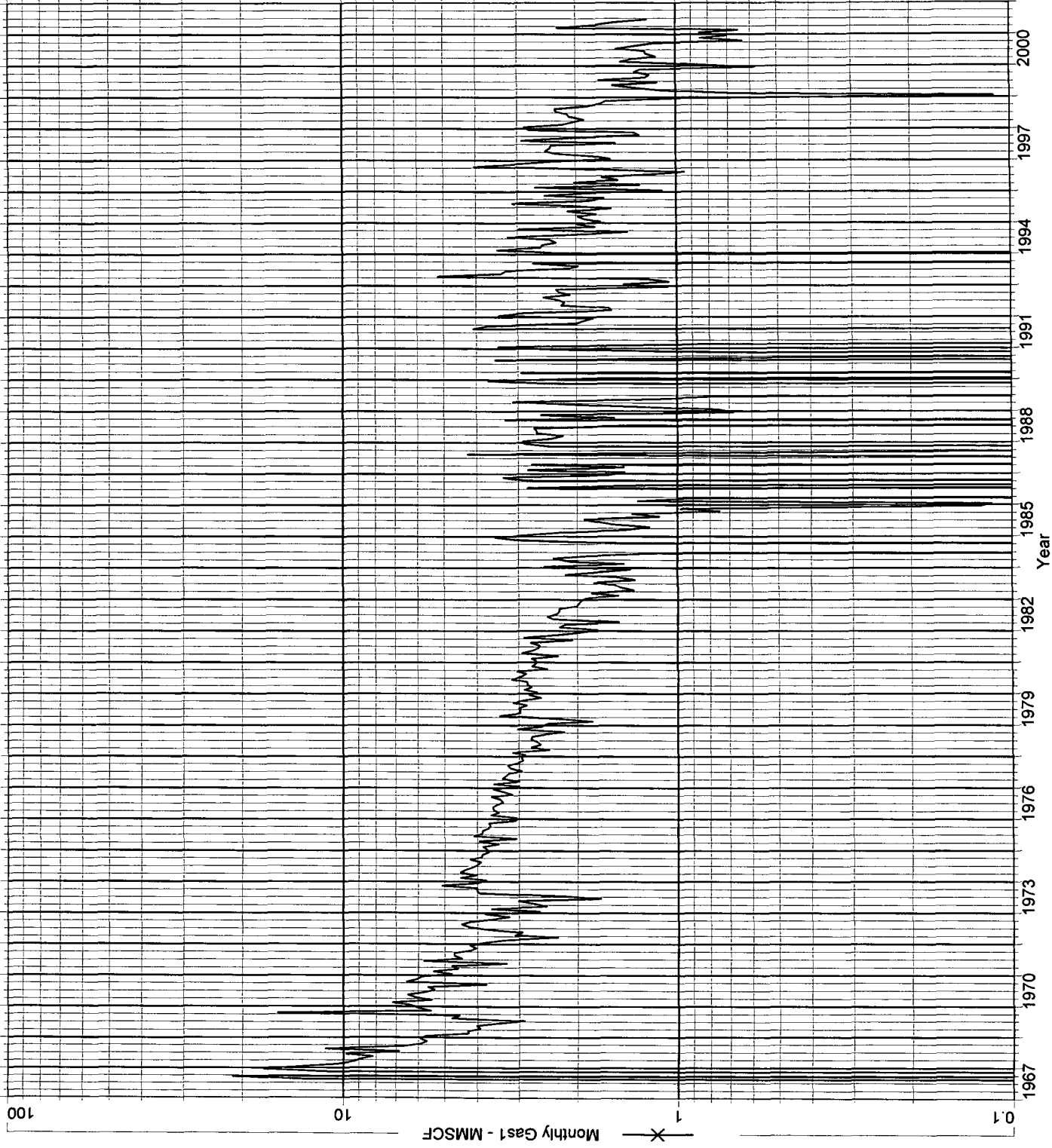
Gas: 1131.85 MMSCF

Water: 0.113 MSTB

Cond: 3.07113 MSTB

—*— Monthly Gas1 - MMSCF

Cum: 1131.85 MMSCF



Operator: MESAVERDE

Field:

Zone:

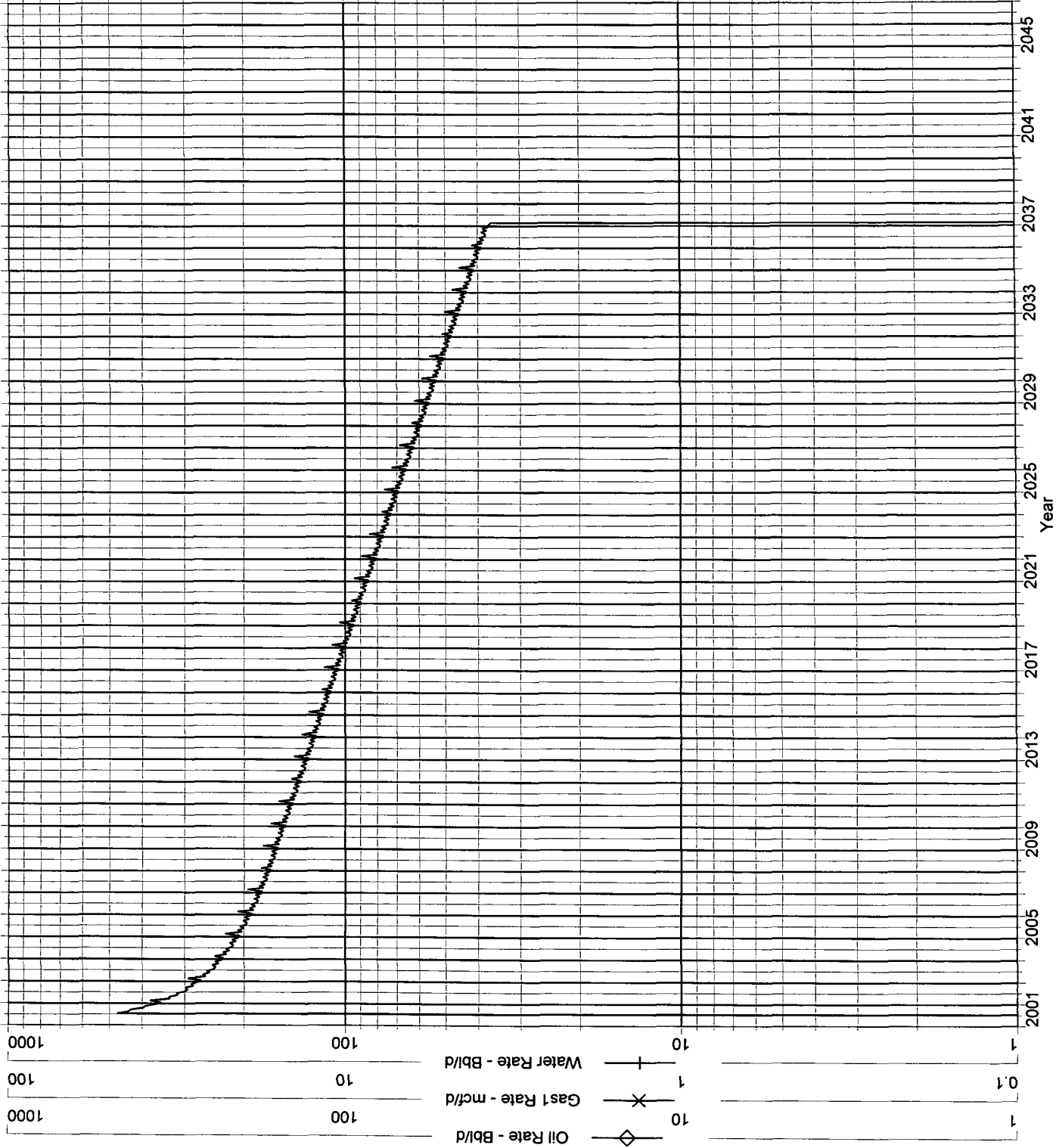
Type: Other

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



{{D23D6E98-989E-11D5-A613-0090274E637E}} Data: Aug.2001-Aug.2001

Operator:

Field:

Zone: CHACOLA

Type: Other

Group: None

No
Active
Forecast

Production Cums

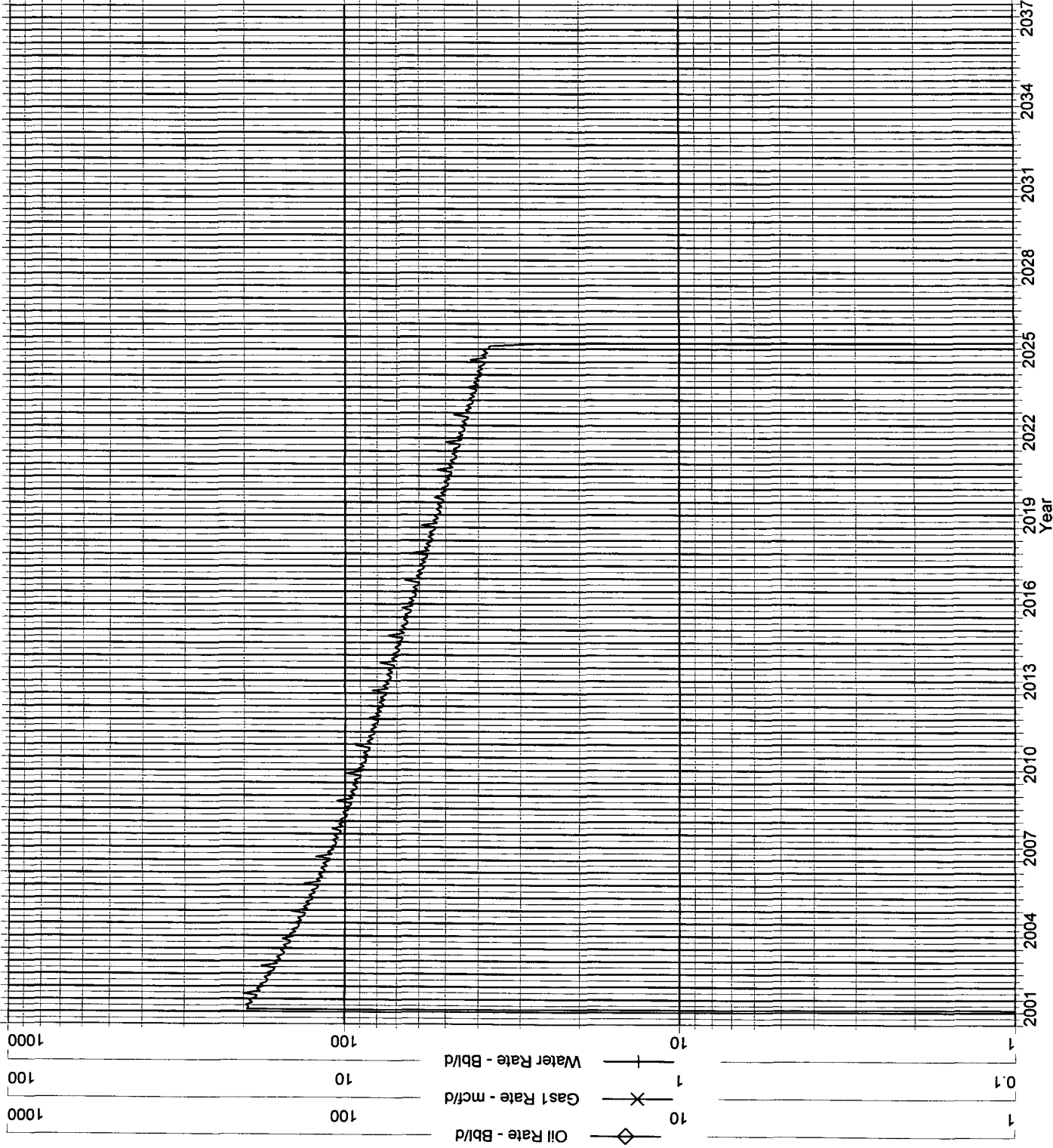
Oil: 0 MSTB

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



[illegible]

INTEREST OWNERS

Grenier B 5 Well

BANK OF AMERICA NA TRUSTEE E M JOHNSTON TRUST
BARBARA BERNSTEIN
BETTY T JOHNSTON/LYLE E
BETTY WOLFE HAGERMAN
BEVERLY WHITELEY
BRADFORD L KIMPLE
BUREAU OF LAND MANAGEMENT
CAROL A ZAHARA
CHASE OIL CORPORATION
CLAUDIA MARCIA LUNDELL GILMER
CYNTHIA H SCOFIELD
D MARTIN PHILLIPS AND LIANE M
D R ZACHRY TEST TRUST
DORIS WALDMAN
DRY CREEK RESERVE COMPANY
E C FIEDOREK TRUSTEE E C FIEDOREK DEFINED BENEFIT PLAN
E TAYLOR ARMSTRONG
FRANCES H ROSI & PETER E
FREDERICK R MAYER & ELIZABETH
FREDERICK R MAYER AIF FOR
GARY R PETERSEN
GARY W HARVEY INDEP EXEC
GENIE H BENTLEY
HANCOCK-DORIE TRUST
ILENE GROSS
J BURTON VETETO

Grenier B 5 Well

J LANHAM HIGGINBOTHAM III

J LUDWIG MOSLE

JAMES L IRISH III TRUSTEE THE IRISH FAMILY TRUSTS

JANE C GORDEN

JEAN MARIE COOPER/CHANDA CABRERA

JERRY J ANDREW

JIM L SHARP

JULIE ANN ANTWEIL TRUST

KAREN KIMPLE NOBREGA

LINDA JEANNE LUNDELL LINDSEY

LINDA L RAYES

M SEAN SMITH

MARCELINE D GORDON TRUSTEE OF SHEFFIELD GORDON REVOC TRUST

MARTHA H LYNCH

MELVIN A ASTRAHAN

NORTH AMERICAN ENERGY

PERRY M BERKE

PURE RESOURCES LP

QUESTAR EXPLORATION & PROD CO

R G STOREY & SONS

ROBERT E BEAMON III

ROBERT E MCALISTER EXECUTOR

ROBERT L ZORICH

ROBERT M WILLIAMS

ROBERT W ULMER

ROBERT WALTER LUNDELL

ROGERS-GIBBARD TRUST

ROSALEE F KIMPLE IND ADM

Grenier B 5 Well

SAMUEL D HAAS

SAN JUAN BASIN POOL LTD

SCOTT C KIMPLE

SINGER BROS

STEVEN H GORDON

SUSAN SOLIS

SUZAN B BERNHARD/MARTIN S BASKIN

SYRIL ANN JAMES

TOURMALINE EXPLORATION CO

TRUSTEES OF ENCAP INVESTMENTS LC PROFIT

UNITED PIPE SUPPLY CO

V A JOHNSTON FAMILY TRUST

W B ULMER JR

WILLIAM BLACK

WILLIAM CARLISLE KIMPLE