

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 _____

OIL CONSERVATION DIV
01 OCT 17 AM 10:21

[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

10-16-01
Date

505-326-9727

pcole@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 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

NEUDECKER

6

G-14-29N-10W

SAN JUAN

Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 14538 Property Code 7355 API No. 30-045-08347 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	6685'-6778'
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)	670 PSI - CURRENT 2511 PSI - ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1076	1223	1137
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: 12/31/00 Rates: 29 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 *Sean E. Corrigan* TITLE Production Engineer DATE 10/15/01
tlw
TYPE OR PRINT NAME Sean E. Corrigan TELEPHONE NO. (505) 326-9700

Neudecker #6
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	0.666
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.587	%N2	0.27
%CO2	0.683	%CO2	1.86
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4725	DEPTH (FT)	6680
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)	574
BOTTOMHOLE PRESSURE (PSIA)	412.6	BOTTOMHOLE PRESSURE (PSIA)	669.5
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.706	GAS GRAVITY	0.666
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.587	%N2	0.27
%CO2	0.683	%CO2	1.86
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4725	DEPTH (FT)	6680
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)	2107
BOTTOMHOLE PRESSURE (PSIA)	1281.4	BOTTOMHOLE PRESSURE (PSIA)	2510.5

Neudecker #6
 Bottom Hole Pressures
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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

Neudecker #6
Existing Dakota Well

<u>WellName</u>	<u>Date</u>	<u>Well Head Pressure</u>
Neudecker 6	10/14/1962	2,107
Neudecker 6	10/23/1962	2,106
Neudecker 6	4/10/1963	1,757
Neudecker 6	2/7/1964	1,747
Neudecker 6	8/5/1965	1,203
Neudecker 6	2/4/1966	1,362
Neudecker 6	7/25/1967	1,029
Neudecker 6	2/2/1968	927
Neudecker 6	12/16/1970	858
Neudecker 6	8/14/1971	831
Neudecker 6	9/8/1972	696
Neudecker 6	6/6/1973	730
Neudecker 6	5/6/1975	497
Neudecker 6	6/20/1977	634
Neudecker 6	6/18/1979	673
Neudecker 6	8/5/1981	624
Neudecker 6	7/18/1983	672
Neudecker 6	7/11/1985	644
Neudecker 6	4/11/1986	604
Neudecker 6	10/4/1988	594
Neudecker 6	5/7/1990	574

Neudecker #6
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

Neudecker #6
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

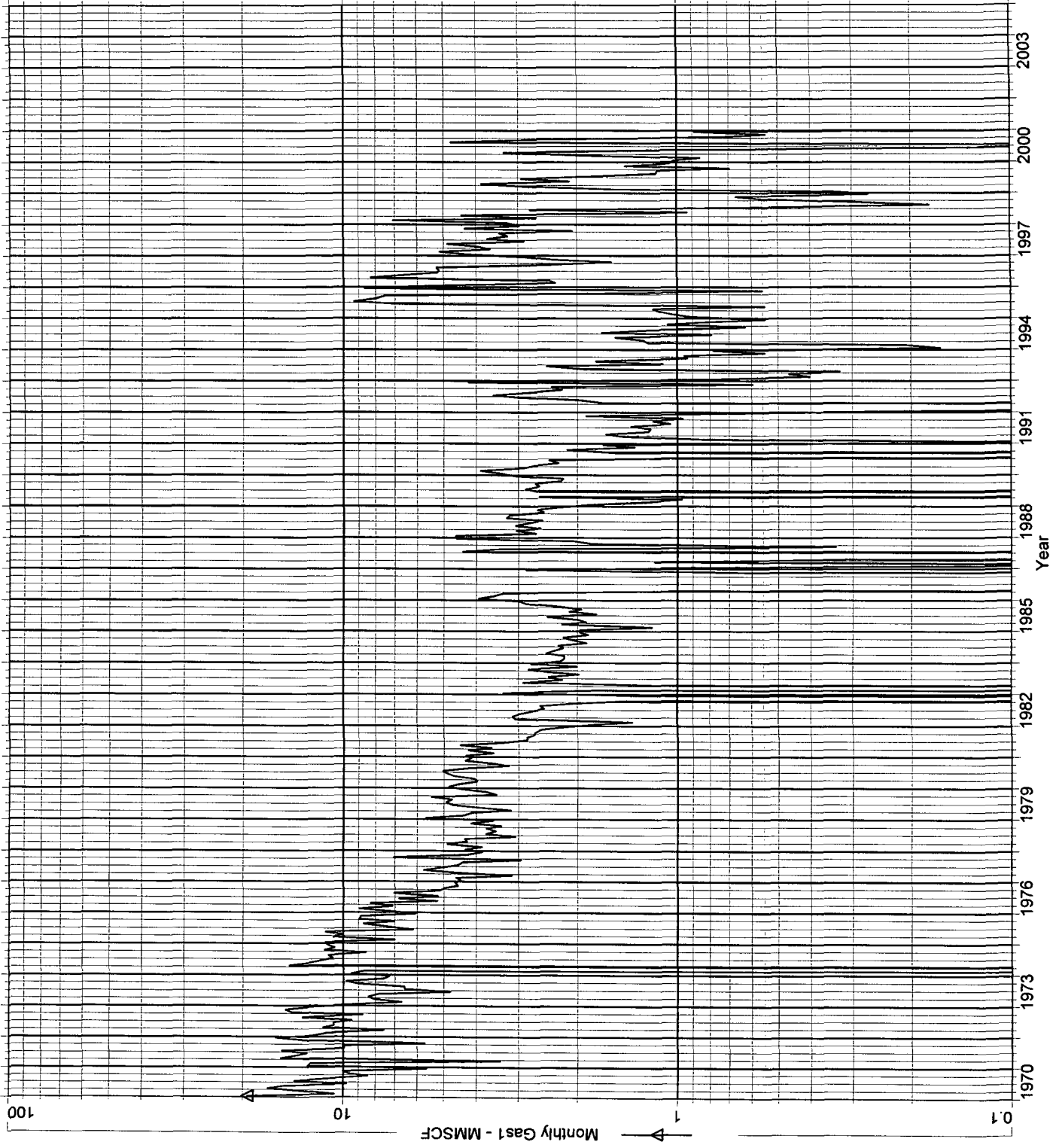
NEUDECKER 6 5068001 (254914159784.574) Data: Oct. 1962-Jun. 2001

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: 1542.63 MMSCF
 Water: 0.416338 MSTB
 Cond: 1.12501 MSTB

Monthly Gas1 - MMSCF
 Cum: 1542.63 MMSCF



{D23D6EA4-989E-11D5-A613-0090274E637E}} Data: Aug.2001-Aug.2001

Operator:

Field:

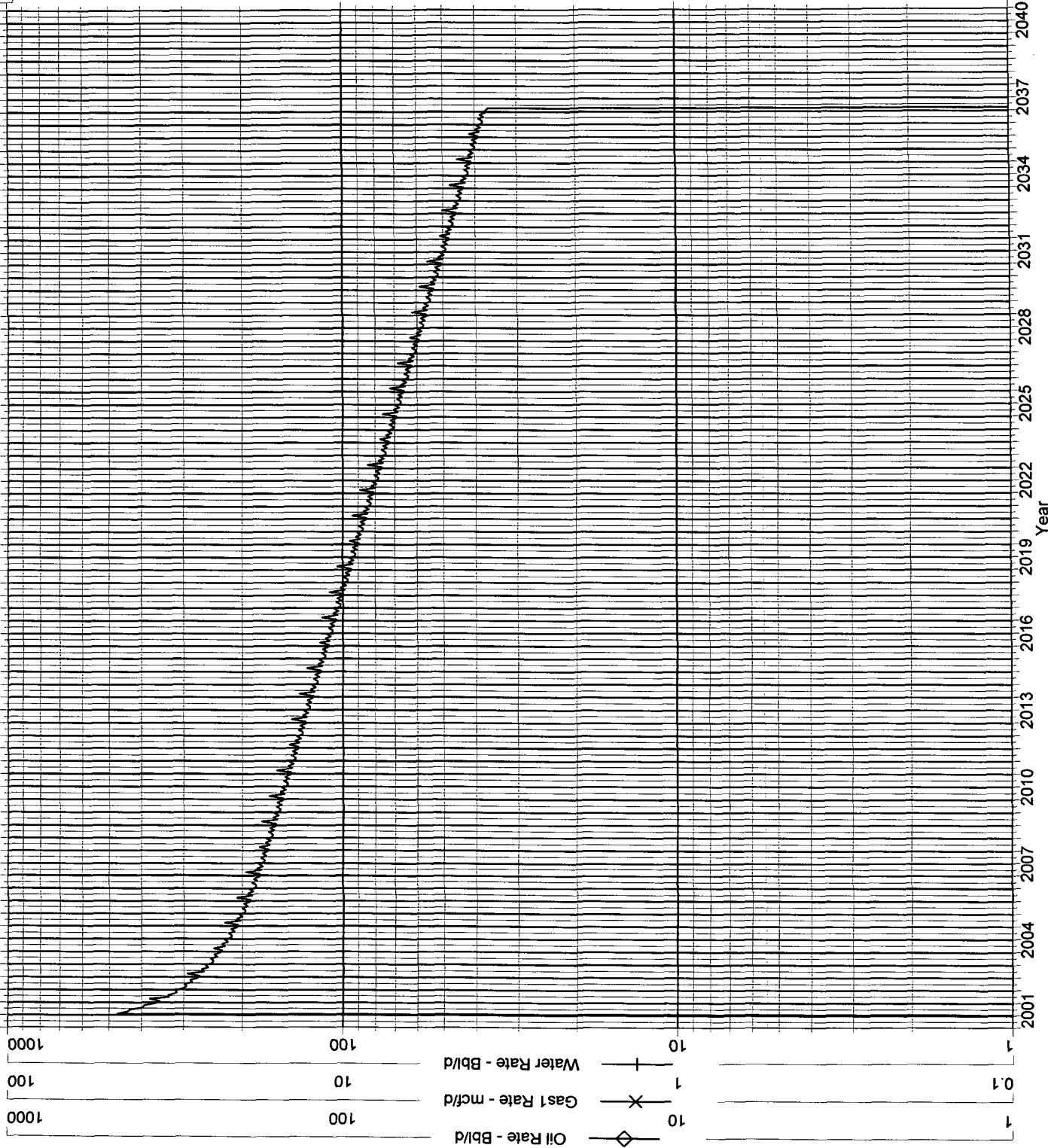
Zone: NESAUENDE

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

Gas Rate - mcf/d
Cum: 0

Water Rate - Bbl/d
Cum: 0

{D23D6EA5-989E-11D5-A613-0090274E637E} Data: Aug.2001-Aug.2001

Operator:

Field: CHACUA

Zone: Other

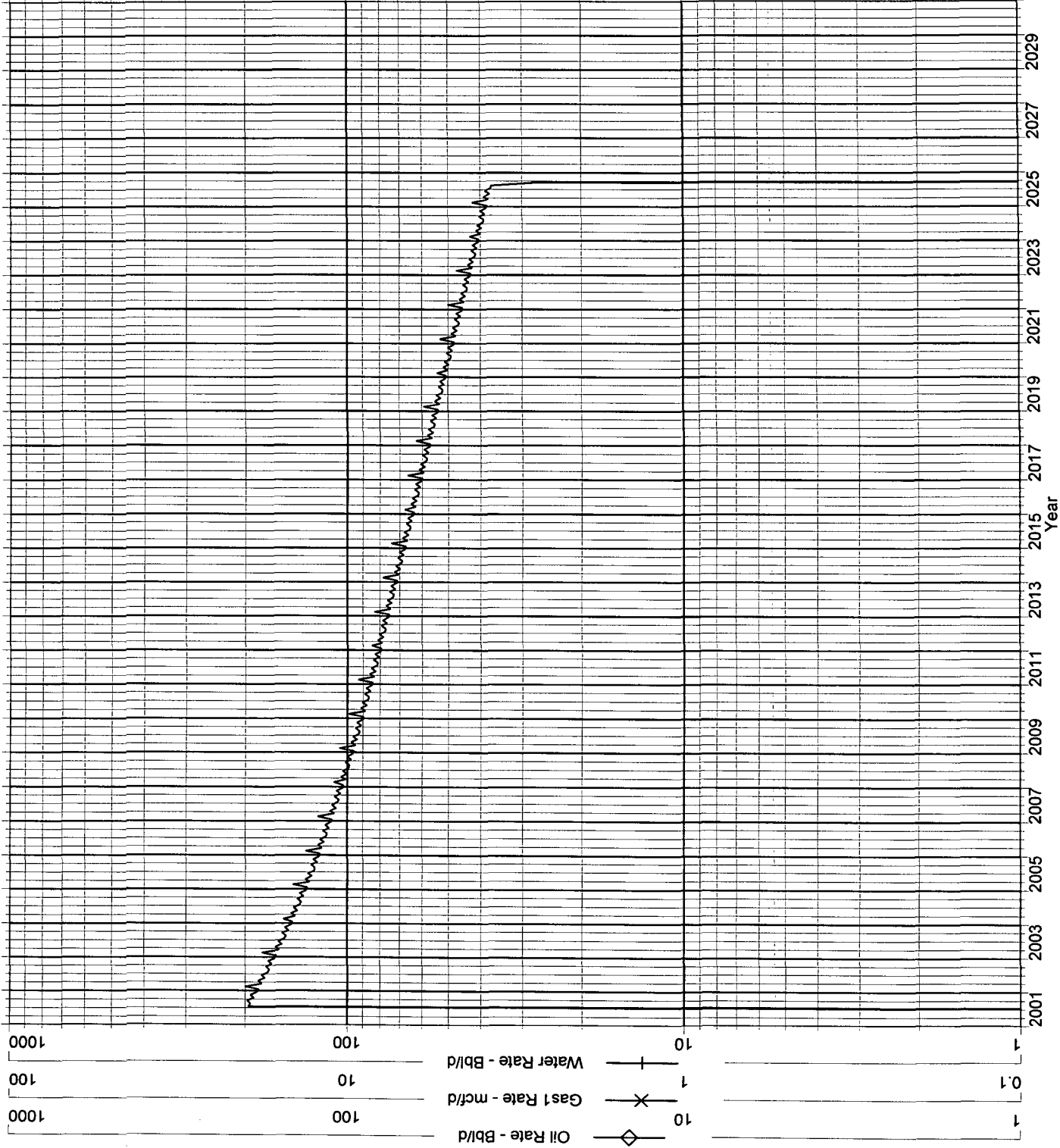
Type: None

Group: None

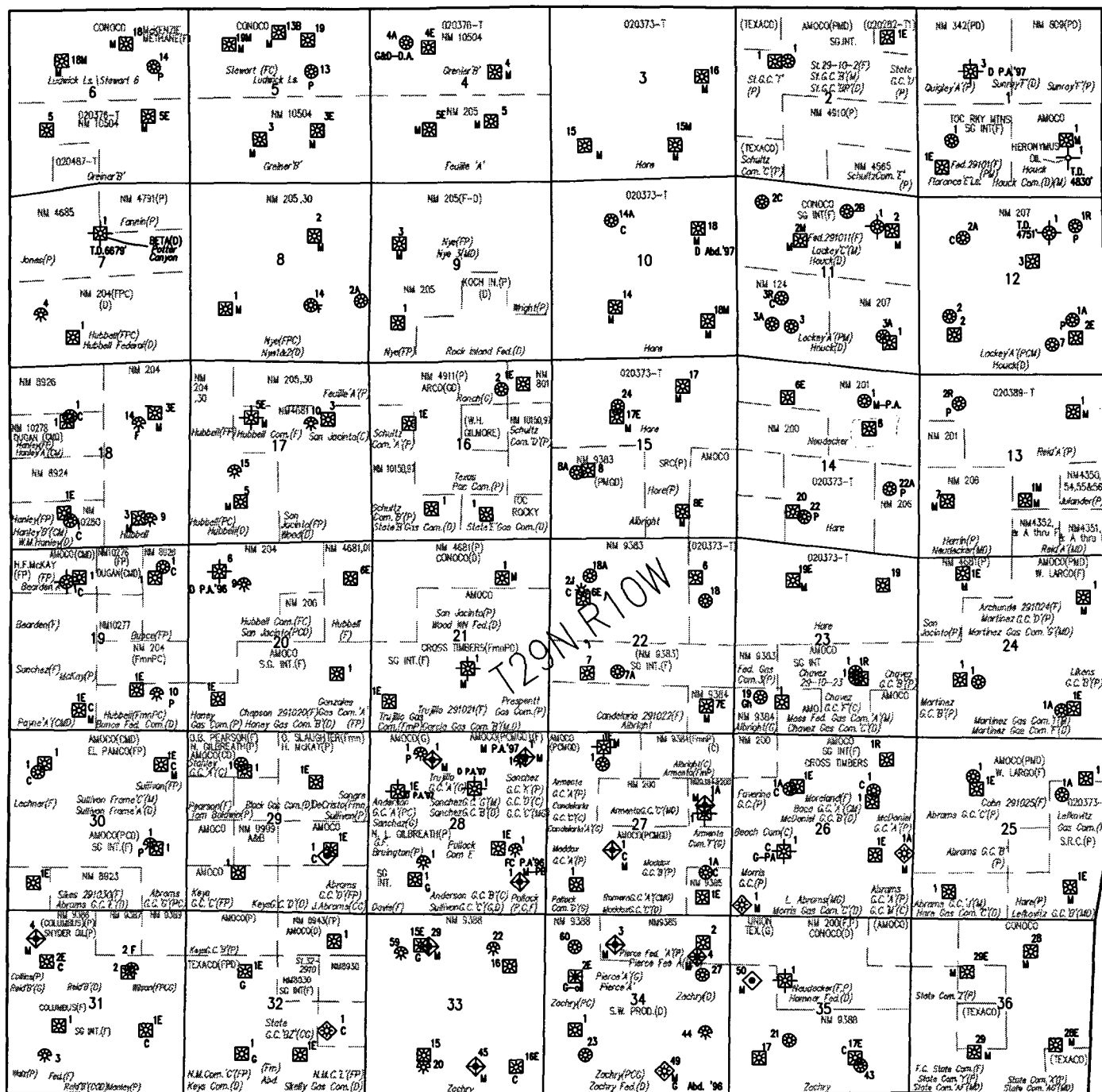
No
Active
Forecast

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



Mesaverde / Chacra Recomplete



INTEREST OWNERS

Neudecker 6 Well

ALBERT S JOHNSON
ASHLEY & SUSAN BRACKEN
BARBARA REESE DINGES
BETTY T JOHNSTON/LYLE E
BUREAU OF LAND MANAGEMENT
CHASE OIL CORPORATION
CLAUDIA MARCIA LUNDELL GILMER
D MARTIN PHILLIPS AND LIANE M
DAVID A ROGERS
DAVID A ROGERS TRUSTEE JAS L FASHING IRREVOCABLE TRST
DAVID A ROGERS TRUSTEE MICHELLE DIANA MINICA IRREV TR
DAVID ELBERT REESE
DAVID HENDERSON
E C FIEDOREK TRUSTEE E C FIEDOREK DEFINED BENEFIT PLAN
ELIZABETH GOODWIN REESE
EULA MAY JOHNSTON TRUST
FRANCES H WEAVER
GARY R PETERSEN
GRIFFITH AND STONE ROYALTY
JAMES L IRISH III TRUSTEE THE IRISH FAMILY TRUSTS
JERRY J ANDREW
LINDA JEANNE LUNDELL LINDSEY
M SEAN SMITH
PURE RESOURCES LP
REBECCA ANN REESE WARD
ROBERT E BEAMON III
ROBERT L ZORICH

Neudecker 6 Well

ROBERT WALTER LUNDELL

ROGERS-GIBBARD TRUST

SAMUEL D HAAS

SAN JUAN BASIN POOL LTD

SCHULTZ HENRIETTA TR

SCHULTZ MANAGEMENT L

THOMAS H YATES JR

TRUSTEES OF ENCAP INVESTMENTS LC PROFIT

V A JOHNSTON FAMILY TRUST

WP TRAYLOR/JG HEARD-IND EXECS/