

DATE IN 9.15.04	SUSPENSE 10/5/04	ENGINEER jones	LOGGED IN 9.15.04	TYPE DHC	APP NO. DSEM0425948138
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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.

Tammy Jones

Print or Type Name

Tammy Jones

Signature

Regulatory Specialist

Title

9/7/04

Date

TJones3@br-inc.com
 e-mail Address

9/15/04
 asked for info
 or response to
 WAIT
 Received
 9/15/04
 2004 SEP 15 AM 11 57

District I
1625 N. French Drive, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company LLP P.O.Box 4289 Farmington, NM 87499
Operator Address
Mims 36 State Com 1M Unit K, Sec. 36, T30N, R11W San Juan
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No: 14538 Property Code 7313 API No. 30-045-30890 Lease Type: ____ Federal X 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	WILL BE SUPPLIED UPON COMPLETION
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)	Original 857 psi from Ross Federal #1R offset (see attachment)	Original 884 psi from Ross Federal #1R offset (see attachment)	Original 936 psi from Ross Federal #1R offset (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1194 From Ross Federal #1R offset	BTU 1194 From Ross Federal #1R offset	BTU 1194 From Ross Federal #1R offset
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	NEW ZONE
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: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 6% Gas 13% Will be supplied upon completion	Oil 50% Gas 53% Will be supplied upon completion	Oil 50% Gas 34% 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 Leonard Biemer TITLE Reservoir Engineer DATE September 7, 2004
TYPE OR PRINT NAME Leonard Biemer TELEPHONE NO. (505) 326-9700
E-MAIL ADDRESS lbiermer@br-inc.com

Mims 36 State Com #1M (Ross Federal 1R offset)
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

Chacra		Mesaverde	
<u>CH-Current</u>		<u>MV-Current</u>	
GAS GRAVITY	0	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0	%N2	0.00
%CO2	0	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	0	DIAMETER (IN)	0
DEPTH (FT)	0	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!
<u>CH-Original</u>		<u>MV-Original</u>	
GAS GRAVITY	0.689	GAS GRAVITY	0.689
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.0053	%N2	0.01
%CO2	0.0082	%CO2	0.0082
%H2S	0	%H2S	0
DIAMETER (IN)	5.5	DIAMETER (IN)	5.5
DEPTH (FT)	3608	DEPTH (FT)	4751
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	92	BOTTOMHOLE TEMPERATURE (DEG F)	102
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	774	SURFACE PRESSURE (PSIA)	774
BOTTOMHOLE PRESSURE (PSIA)	857.3	BOTTOMHOLE PRESSURE (PSIA)	884.0

Mims 36 State Com #1M (Ross Federal 1R offset)
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

Dakota			
<u>DK-Current</u>		<u>Current</u>	
GAS GRAVITY	0	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0	%N2	0.00
%CO2	0	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	0	DIAMETER (IN)	0
DEPTH (FT)	0	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!
<u>DK-Original</u>		<u>Original</u>	
GAS GRAVITY	0.689	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.0053	%N2	0.00
%CO2	0.0082	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	0
DEPTH (FT)	6962	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	122	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	774	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	936.1	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

Chacra

ROSS FEDERAL 1R 84256401 ({51D76A75-F382-4E0F-B4D5-D7FCFC790737}) Data: Dec.2002-Jul.2004

1000

100

Cal Day Gas1 - mcf/d

10

1

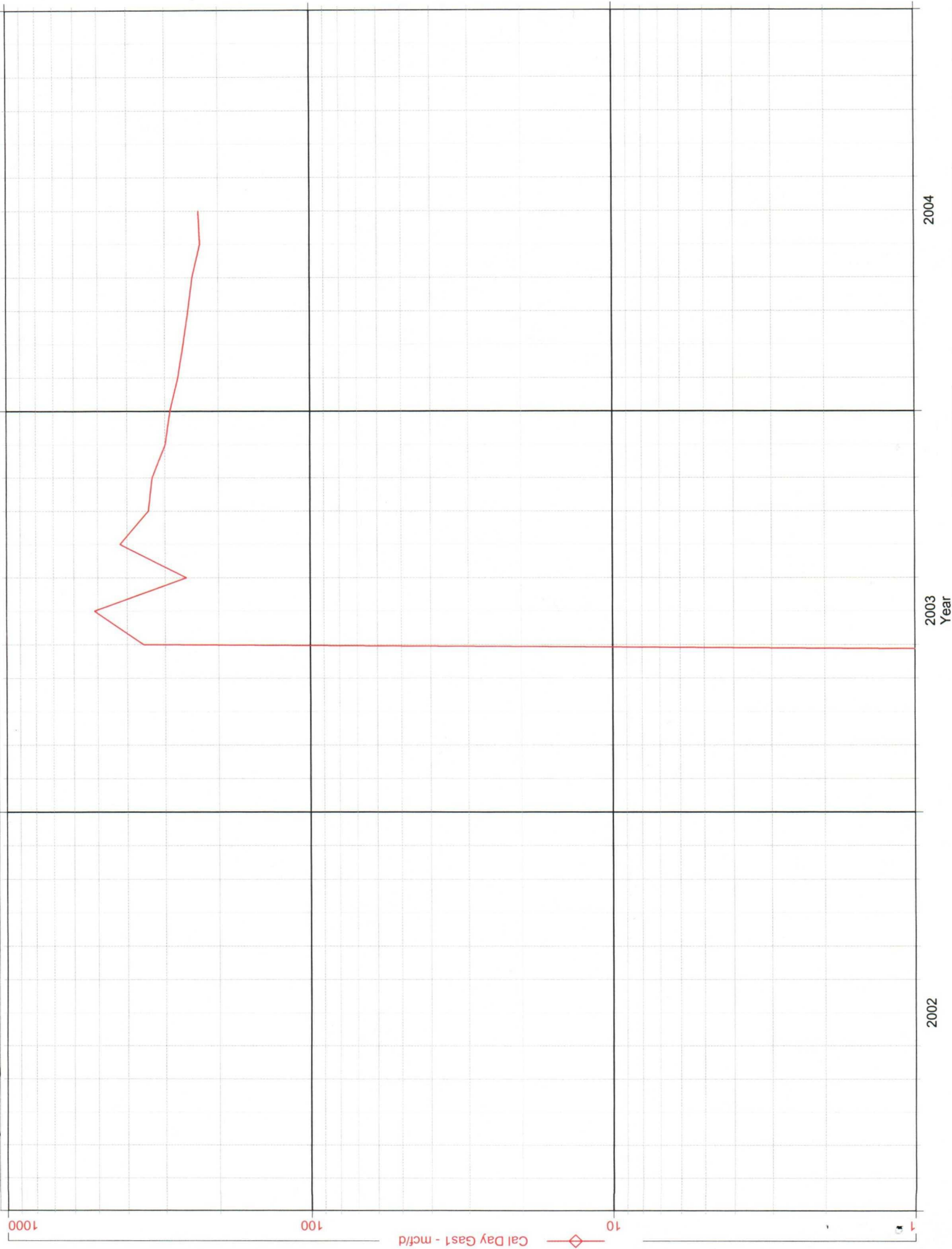
2002

2003

2004

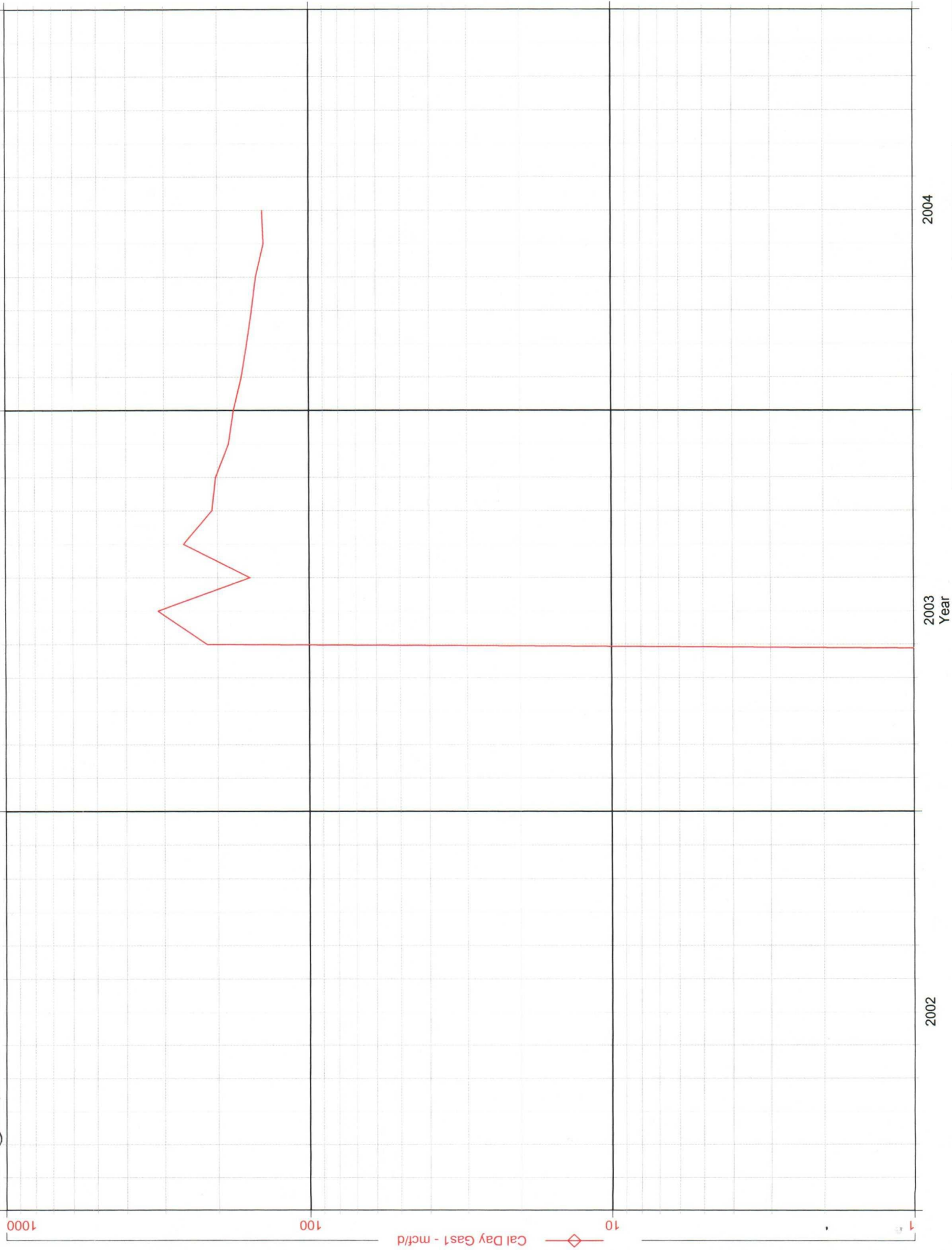
Year





Dakota

ROSS FEDERAL 1R 84256403 (ROSS FEDERAL 1 R (LDK) 84256403) Data: Dec.2002-Jul.2004



DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Arisaca, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 30890		² Pool Code 82329/72319/71599		³ Pool Name Otero Chacra/Blanco Mesaverde/Basin Dakota	
⁴ Property Code 7313		⁵ Property Name MIMS 36 STATE COM			⁶ Well Number 1M
⁷ OGED No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.			⁹ Elevation 5857

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
K	36	30-N	11-W		1365	SOUTH	1900	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/160 MV/DK: W/320					¹³ Joint or Infill		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

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Cole
Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

11-9-01
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.

8/24/01
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

8894
Professional Land Surveyor

INTEREST OWNERS

Mims 36 State Com 1M - CH/MV/ DK

CONOCOPHILLIPS COMPANY

CYNTHIA CALVIN

EDWARD H FORGOTSON

EDWARD M CALVIN

EL SOL CORPORATION

FORGOTSON FAMILY PTSHP R/E

H W SMITH ESTATE

J BURTON VETETO

JAMES M FORGOTSON III

JAMES M FORGOTSON JR

JIM L SHARP

JULIE ANN ANTWEIL TRUST

ROYALTY CLEARINGHOUSE LTD

SINGER BROS

STATE OF NEW MEXICO

UNITED PIPE SUPPLY CO

Four Star Oil & Gas

Evelyn P. Smith Estate - Robert E. McAlister Executor

Jones, William V

Mr. Jones:

The preliminary allocation for the referenced well is attached.

Cherylene L. Charley

Burlington Resources - San Juan Division
Project Development
Ph: (505) 326-9789 / Fax: (505) 599-4062
e-mail: ccharley@br-inc.com

-----Original Message-----

From: Biemer Leonard
Sent: Thursday, September 30, 2004 3:03 PM
To: Charley Cherylene
Subject: FW: Mims 36 State Com #1M Down Hole Commingle

-----Original Message-----

From: Jones, William V [<mailto:WVJones@state.nm.us>]
Sent: Thursday, September 30, 2004 2:17 PM
To: Jones Tammy L; Biemer Leonard
Cc: Catanach, David; Hayden, Steven
Subject: Mims 36 State Com #1M Down Hole Commingle

Hello:

For this commingle on this diversely owned well, would you please assign allocation percentages (based on expected reserves) for the pools to be commingled and send these to me.

Alternately, if you don't feel that is possible at this time, send me your reasons for waiting until later and how you plan to obtain the percentages and when you plan to inform all the owners of the eventual assigned percentages.

Thank You,

Will Jones

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

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10/1/2004



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BURLINGTON **RESOURCES**

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

PRODUCTION ALLOCATION FORM

Distribution:

Regulatory

Accounting

Mark E. Fesmire, P.E.

Original: August 1, 2003

Oil Conservation Division

PRELIMINARY ☒

FINAL ☐

Type of Completion

NEW DRILL ☒ RECOMPLETION ☐ PAYADD ☐ COMMINGLE ☐

Date: 10/1/2004

API No.
30-045-30890

Well Name

Mims 36 State Com

Well No.

#1M

Unit Letter

K

Section

36

Township

T30N

Range

R11W

Footage

1365'FSL, 1900'FWL

County, State

San Juan County, New Mexico

Completion Date

N/A

Test Method

HISTORICAL ☐ FIELD TEST ☐ PROJECTED ☒ OTHER ☐

**FORMATION
CHACRA**

**GAS
294 MMCF**

**PERCENT
13%**

**CONDENSATE
0 MSTB**

PERCENT

MESAVERDE

1,260 MMCF

53%

2.08 MSTB

50%

DAKOTA

788 MMCF

34%

2.08 MSTB

50%

2,342

4.16

JUSTIFICATION OF ALLOCATION

Preliminary allocation for the Chacra/Mesaverde/Dakota new drill: Gas percentages are based on estimated reserves for each formation. The Chacra formation does not produce any oil; therefore oil percentages are allocated to the Mesaverde and Dakota.

APPROVED BY

TITLE

DATE

X

Engineer

10/1/04

Leonard Biemer

X

Engineering Tech.

10/1/04

Cherylene Charley