

8/1/03 DATE IN	8/2/03 SUSPENSE	DLC ENGINEER	8/1/03 DL LOGGED IN	DHC TYPE	0 DRC03213403 49 APP NO.
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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



318✓

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

REGULATORY Supr. 7-31-03
Title Date

pcole@br-inc.com
e-mail Address

RECEIVED
AUG . 1 2003
Oil Conservation Division

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
Yes ☒ No

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

NEUDECKER

7M

F-13-29N-10W

SAN JUAN

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 14538

Property Code 7355

API No. 30-045-31664

Lease Type: X Federal

State

Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name <i>Und.</i>	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)	294 PSI - ORIGINAL From Albright #7 offset (see attachment)	301 PSI - ORIGINAL From Albright #7 offset (see attachment)	1369 PSI - ORIGINAL From Albright #7 offset (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1254 From Albright #7 offset	1245 From Albright #7 offset	1245 From Albright #7 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 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?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes _____ No ☒
Yes ☒ No _____

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No _____

Will commingling decrease the value of production?

Yes _____ No ☒

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 ☒ 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

Reservoir Engineer

DATE 07/28/03

tlw

TYPE OR PRINT NAME Leonard Biemer

TELEPHONE NO. (505) 326-9700

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, NM 87504-2088

☐ AMENDED REPORTDISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 82329/72319/71599	³ Pool Name Otero Chacra/Blanco Mesaverde/Basin Dakota
⁴ Property Code 7355	⁵ Property Name NEUDECKER	⁶ Well Number 7M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.	⁹ Elevation 5720

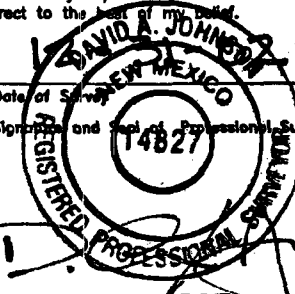
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	13	29-N	10-W		1505	NORTH	1845	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: NW/158.9 MV: W/319.8, 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 SEC. CORNER FD 3 1/4" BLM 1967 BC N 89°22'56" E 2633.7' (M) S 00°02'10" W 2633.7' (M) 1845' 528' 1129' 188' 789' 1505' LOT 4 USA NM 01772-A LOT 3 LOT 2 LOT 5 USA SF-079509 LOT 6 LOT 7 LOT 8 LOT 11 USA SF-080655 LOT 12 LOT 13 LOT 9 LOT 10		QTR. CORNER FD 3 1/4" BLM 1967 BC LAT: 36°43.6969' N. (NAD 27) LONG: 107°50.3117' W. (NAD 27)	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Peggy Cole</u> Printed Name <u>Peggy Cole</u> Title <u>Regulatory Supervisor</u> Date <u>3-11-03</u>
		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 <u>3-11-03</u> Signature and Seal of Professional Surveyor:  Certificate Number <u>14827</u>	

Neudecker #7M Offset
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

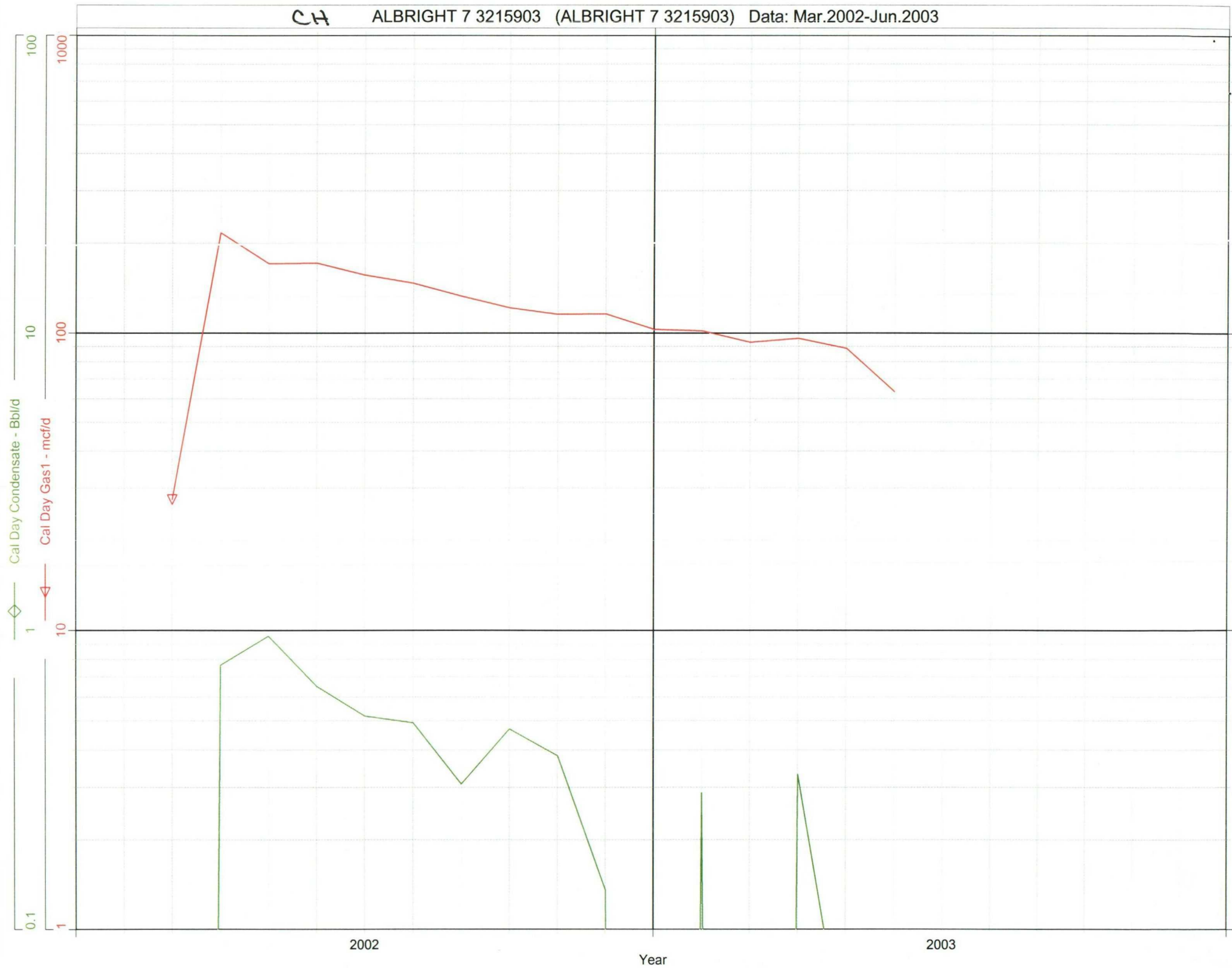
Chacra		Mesaverde	
<u>CH-Current</u>		<u>MV-Current</u>	
GAS GRAVITY	0.621	GAS GRAVITY	0.675
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.17	%N2	0.00
%CO2	0.49	%CO2	0.01
%H2S	0	%H2S	0
DIAMETER (IN)	7	DIAMETER (IN)	2.375
DEPTH (FT)	1959	DEPTH (FT)	4177
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	92.7	BOTTOMHOLE TEMPERATURE (DEG F)	134.8
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	244	SURFACE PRESSURE (PSIA)	249
BOTTOMHOLE PRESSURE (PSIA)	255.0	BOTTOMHOLE PRESSURE (PSIA)	274.9
<u>CH-Original</u>		<u>MV-Original</u>	
GAS GRAVITY	0.725	GAS GRAVITY	0.725
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.00308	%N2	0.00
%CO2	0.00668	%CO2	0.00668
%H2S	0	%H2S	0
DIAMETER (IN)	4.5	DIAMETER (IN)	4.5
DEPTH (FT)	3127	DEPTH (FT)	4231
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	91.18	BOTTOMHOLE TEMPERATURE (DEG F)	122.6
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	270	SURFACE PRESSURE (PSIA)	270
BOTTOMHOLE PRESSURE (PSIA)	293.7	BOTTOMHOLE PRESSURE (PSIA)	301.4

Neudecker #7M 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	0.725	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.00308	%N2	0.00
%CO2	0.00668	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	0
DEPTH (FT)	6403	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	154.8	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1131	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	1369.1	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

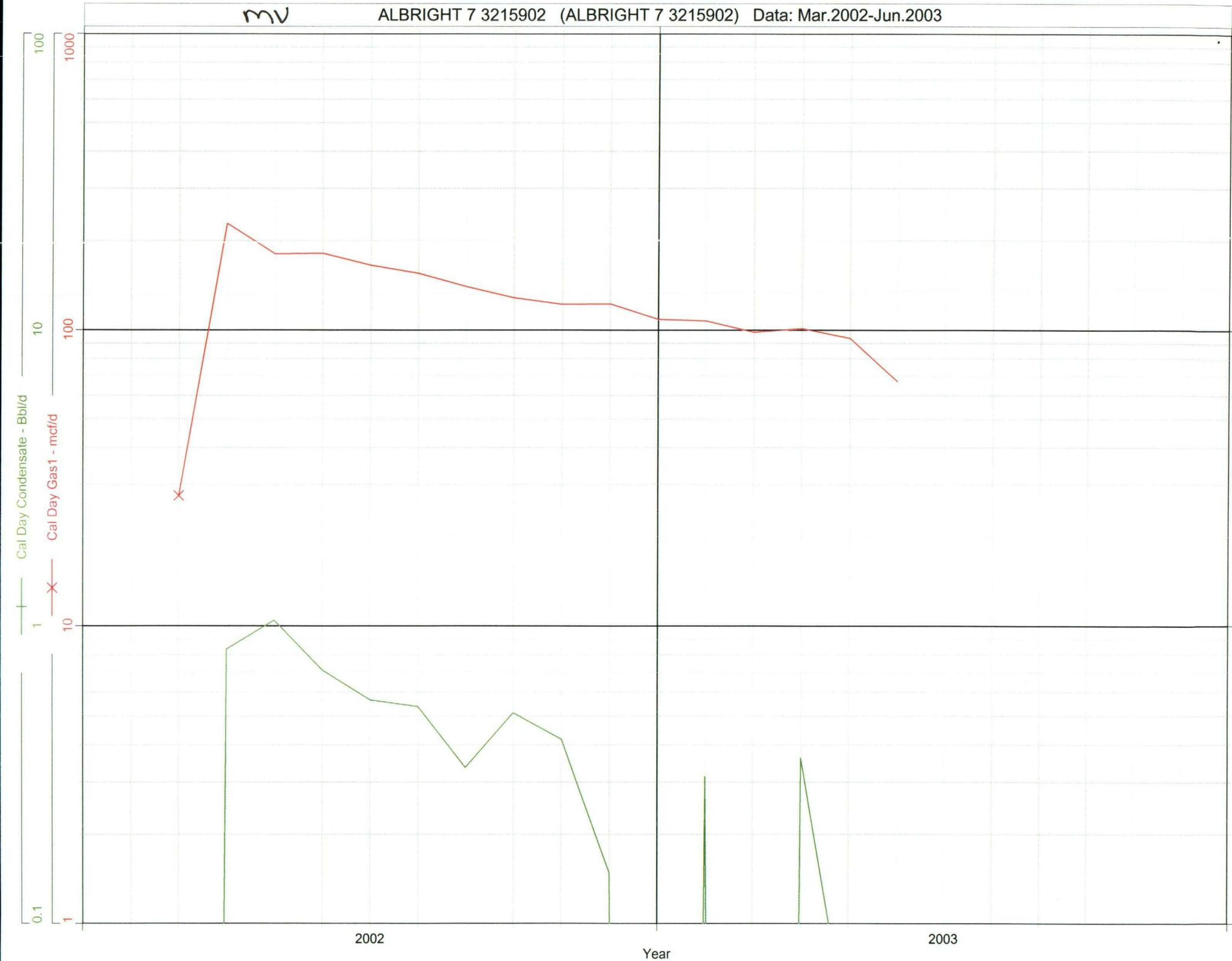
CH

ALBRIGHT 7 3215903 (ALBRIGHT 7 3215903) Data: Mar.2002-Jun.2003



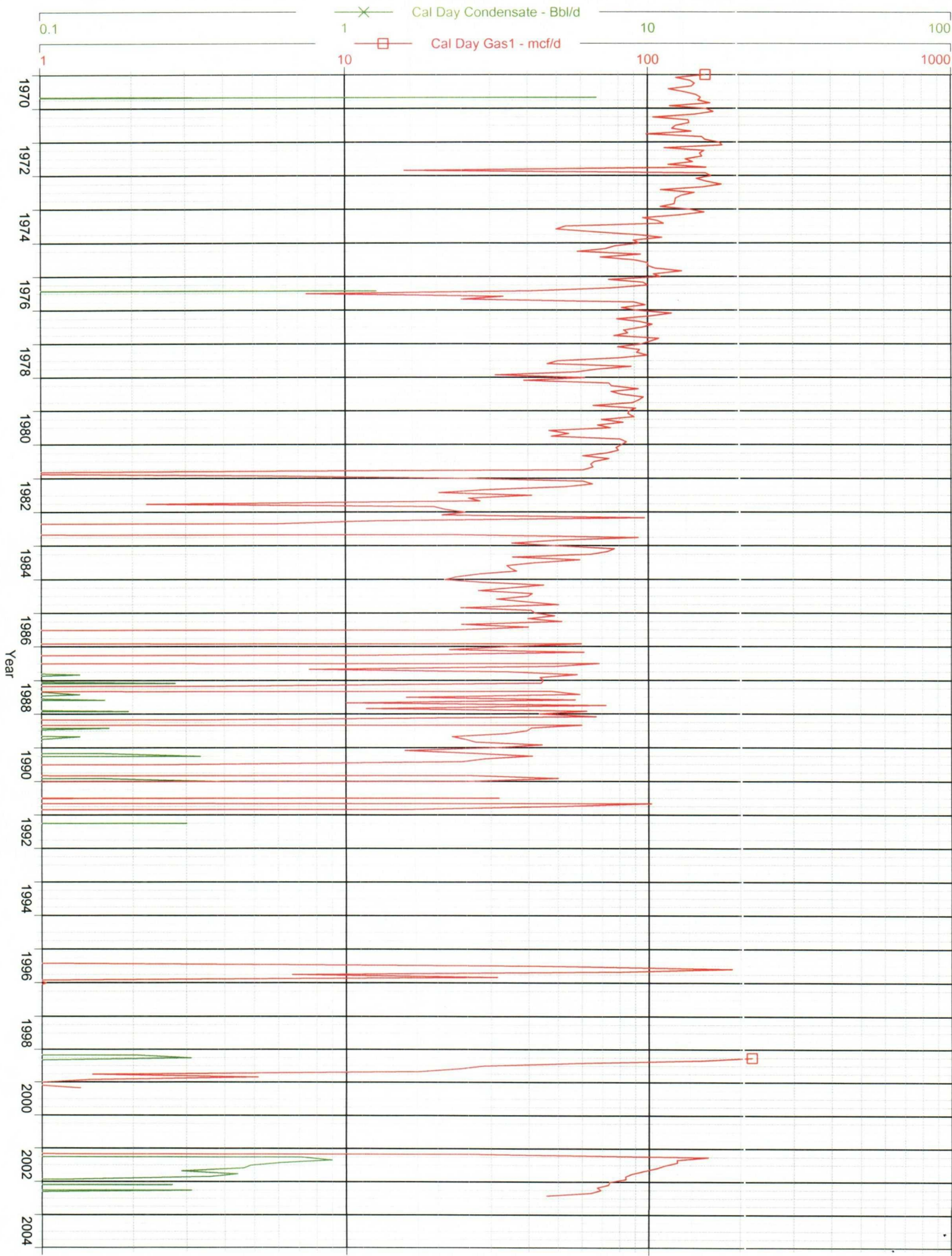
mv

ALBRIGHT 7 3215902 (ALBRIGHT 7 3215902) Data: Mar.2002-Jun.2003



OK

ALBRIGHT 7 3215901 (ALBRIGHT 7 3215901) Data: Jan.1970-Jun.2003



INTEREST OWNERS

Neudecker 7M Well

ALBERT S JOHNSON

BANK OF AMERICA NA TRUSTEE EULA MAY JOHNSTON TRUST

BEN HOWELL LANGFORD

BETTY T JOHNSTON/LYLE E

BHCH MINERAL LTD

BRUCE H C HILL

BUREAU OF LAND MANAGEMENT

CHASE OIL CORPORATION

CLAUDIA MARCIA LUNDELL GILMER

D MARTIN PHILLIPS AND LIANE M

E C FIEDOREK TRUSTEE E C FIEDOREK DEFINED BENEFIT PLAN

ELIZABETH H LUND TRUSTEE ELIZABETH H LUND ROYALTY TRUST

ELIZABETH J TURNER CALLOWAY

EMILIE M HARDIE TRUSTEE OF THE EMILIE M HARDIE ROYALTY TRUST

EMILY D GRAMBLING

FLORENCIA EXPLORATION INC

FREDERICK EUGENE TURNER

GARY R PETERSEN

J GLENN TURNER JR

JAMES L IRISH III TRUSTEE THE IRISH FAMILY TRUSTS

JANE HARDIE TRUSTEE WILLIAM B HARDIE SR ROYALTY TR

JERRY J ANDREW

JOE D REID

JOHN A GRAMBLING

JOHN LEE TURNER

JOSEPH C JASTRZEMBSKI

Neudecker 7M Well

JPMORGAN CHASE BANK TRUSTEE HOWELL GRANDCHILDRENS TRUST

JPMORGAN CHASE BANK-TRUSTEE BEN R HOWELL TRUST

LINDA JEANNE LUNDELL LINDSEY

M SEAN SMITH

MABELLE S BRAMHALL TRUSTEE MABELLE H SOWERS ROYALTY TRUST

MARY FRANCES TURNER JR TRUST

PATRICIA G HARVEY

PURE RESOURCES LP

R H FEUILLE

RICHARD PARKER LANGFORD

ROBERT E BEAMON III

ROBERT L ZORICH

ROBERT WALTER LUNDELL

ROGERS-GIBBARD TRUST

SAMUEL D HAAS

SAN JUAN BASIN POOL LTD

SCHULTZ HENRIETTA TR

SCHULTZ MANAGEMENT L

TAMANACO OIL CORP

THOMAS H YATES JR

THORNTON HARDIE III TRUSTEE MARY ELIZABETH HARDIE ROY TRST

TRUSTEES OF ENCAP INVESTMENTS LC PROFIT

V A JOHNSTON FAMILY TRUST