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

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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107A
Revised May 15, 2000

APPLICATION TYPE
___Single Well
___Establish Pre-Approved Pools
EXISTING WELLBORE
___Yes __X__No

BURLINGTON RESOURCES OIL & GAS COMPANY PO BOX 4289, FARMINGTON, NM 87499

Operator | Address

San Juan	**#20B**	**M-35-29N-9W**	**San Juan**
Lease	Well No.	Unit Letter-Section-Township-Range	County

OGRID No. __14538__ Property Code__7451____ API No.___30-045-30878___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	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 – 1197 psi From Hubbell #9 offset (see attachment)	Original – 1054 psi From Cain #15M offset (see attachment)	Original – 1115 psi From Cain #15M offset (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1107 From Hubbell #9 offset	BTU 1266 From Cain #15M offset	BTU 1266 From Cain #15M 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.)	WILL BE SUPPLIED UPON COMPLETION	WILL BE SUPPLIED UPON COMPLETION	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.
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 J Biemer TITLE Reservoir Eng DATE 1/9/03
nco
TYPE OR PRINT NAME Leonard Biemer TELEPHONE NO. (505) 326-9700

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

DISTRICT II
611 South First, Artesia, 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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-	82329/72319/71599	Otero Chacra/Blanco Mesaverde/Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
7451	SAN JUAN	20B

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL AND GAS, INC.	5804'

[10] Surface Location

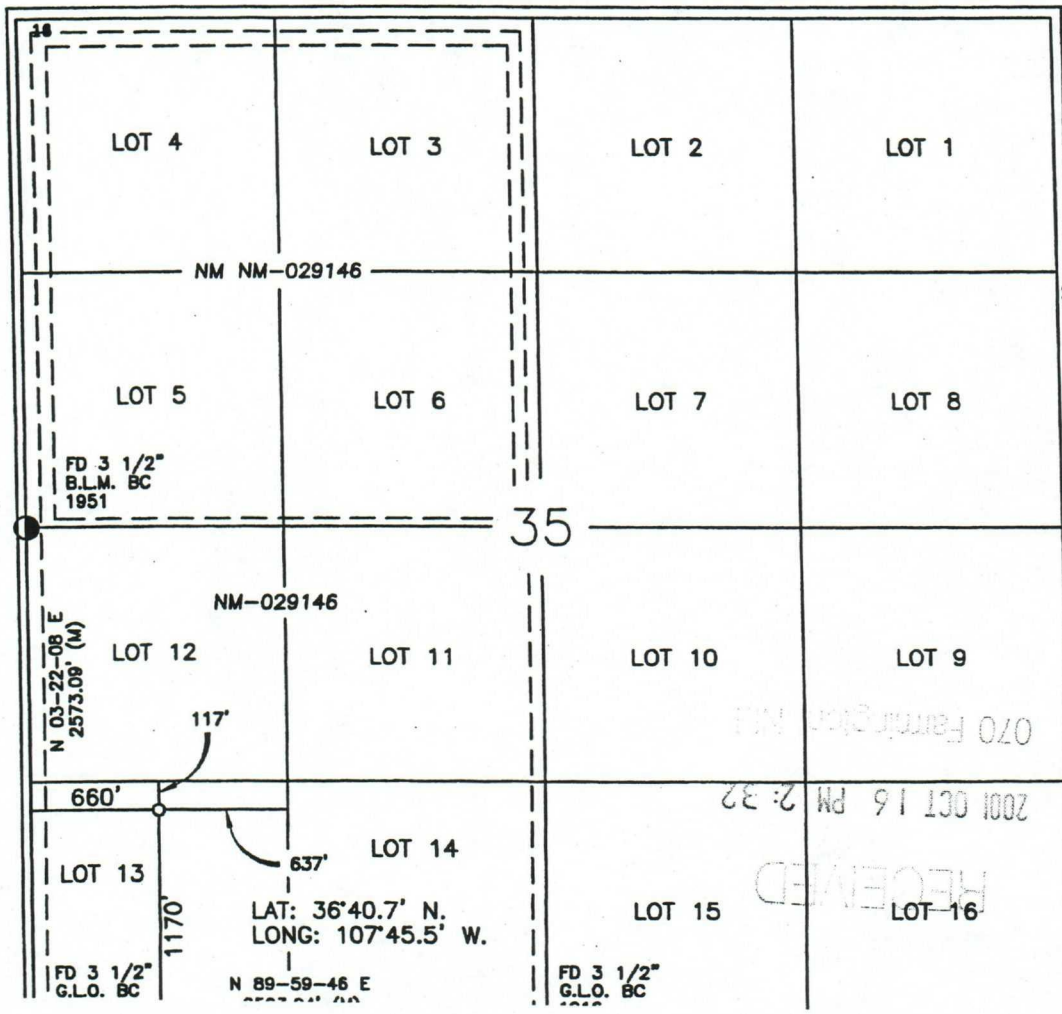
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	29-N	9-W		1170'	SOUTH	660'	WEST	SAN JUAN

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
MV-W/306.1 DK-W/306.1 Cha-157.28			

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 here is true and complete to the best of my knowledge belief

Peggy Cole
Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

9-20-01
Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this was plotted from field notes of actual surveys made me or under my supervision, and that the same is and correct to the best of my belief.

5-21-01
Date of Survey

Signature and Seal of Professional Surveyor:

ROY A. RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

8894
Certificate Number

070 Farmington NM
2001 OCT 16 PM 2:32
RECEIVED

San Juan #20B
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 1/14/98

Chacra

CH-Current

GAS GRAVITY	0
COND. OR MISC. (C/M)	C
%N2	0
%CO2	0
%H2S	0
DIAMETER (IN)	0
DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

CH-Original

GAS GRAVITY	0.628
COND. OR MISC. (C/M)	C
%N2	0.002
%CO2	0.008
%H2S	0
DIAMETER (IN)	2.875
DEPTH (FT)	3004
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	100
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1106
BOTTOMHOLE PRESSURE (PSIA)	1196.9

Mesaverde

MV-Current

GAS GRAVITY	0
COND. OR MISC. (C/M)	C
%N2	0.00
%CO2	0
%H2S	0
DIAMETER (IN)	0
DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

MV-Original

GAS GRAVITY	0.744
COND. OR MISC. (C/M)	C
%N2	0.01
%CO2	0.01346
%H2S	0
DIAMETER (IN)	5.5
DEPTH (FT)	4274
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	117
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	922
BOTTOMHOLE PRESSURE (PSIA)	1054.0

San Juan #20B
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
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Dakota

DK-Current

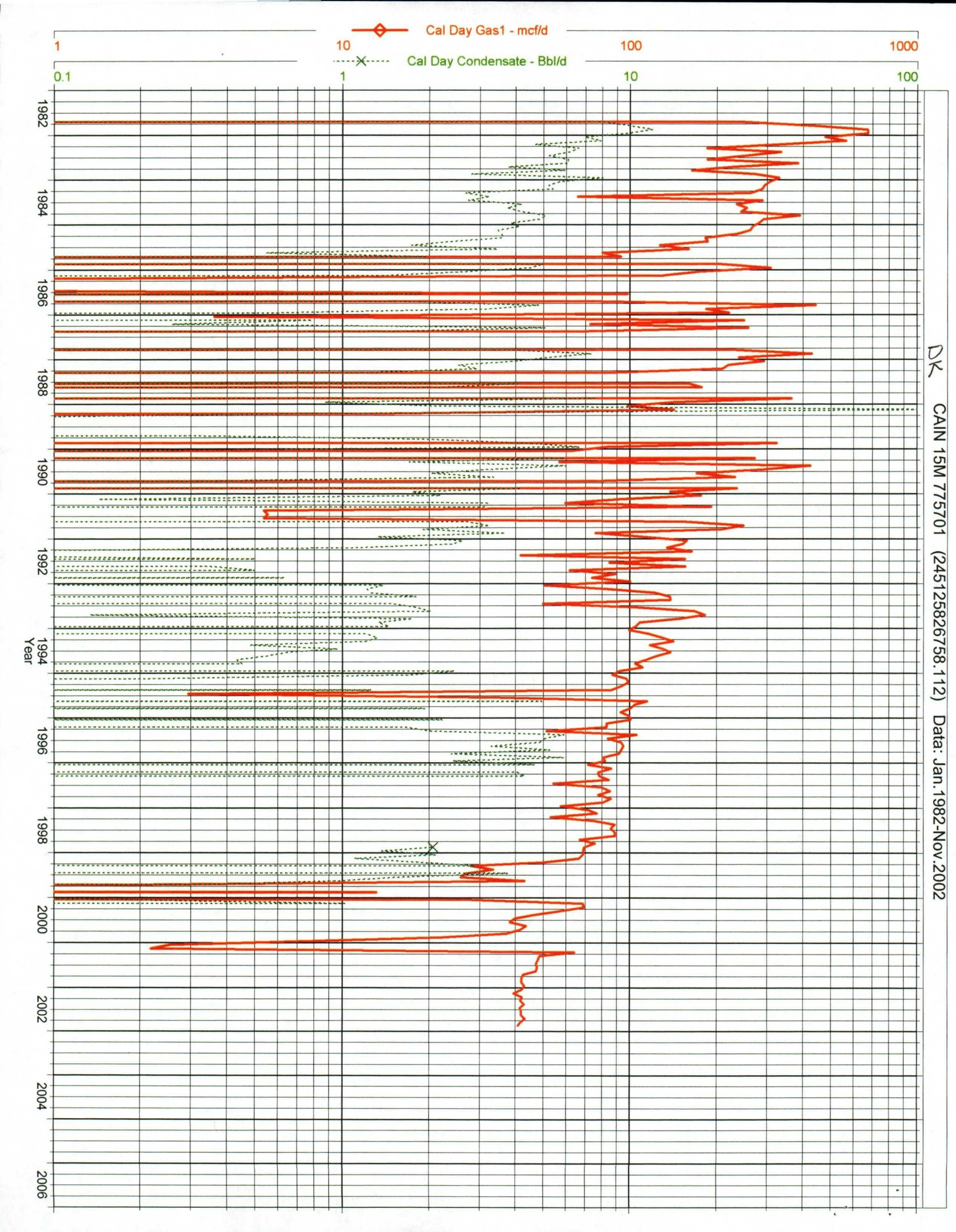
GAS GRAVITY	0
COND. OR MISC. (C/M)	C
%N2	0
%CO2	0
%H2S	0
DIAMETER (IN)	0
DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

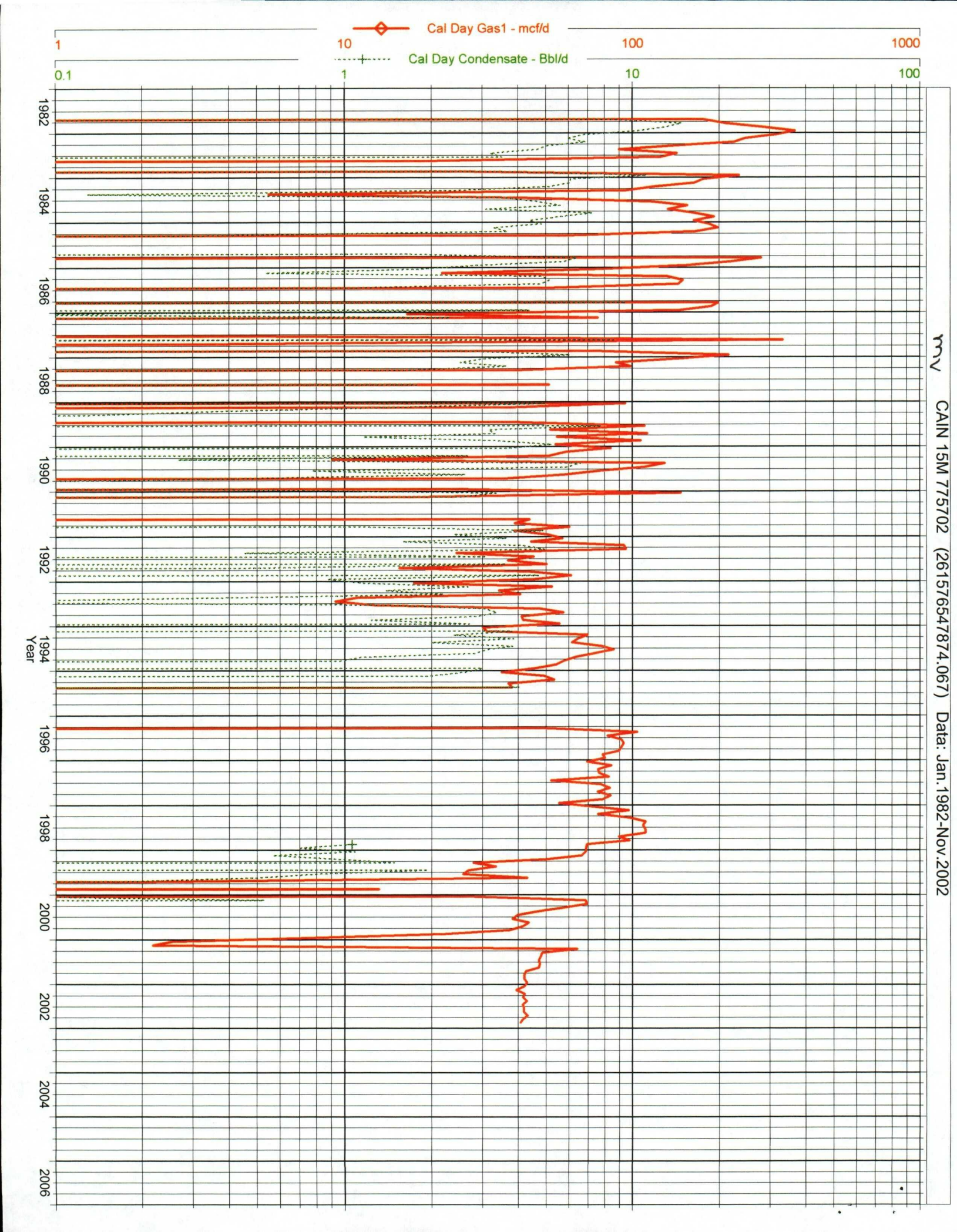
GAS GRAVITY	0
COND. OR MISC. (C/M)	C
%N2	0.00
%CO2	0
%H2S	0
DIAMETER (IN)	0
DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

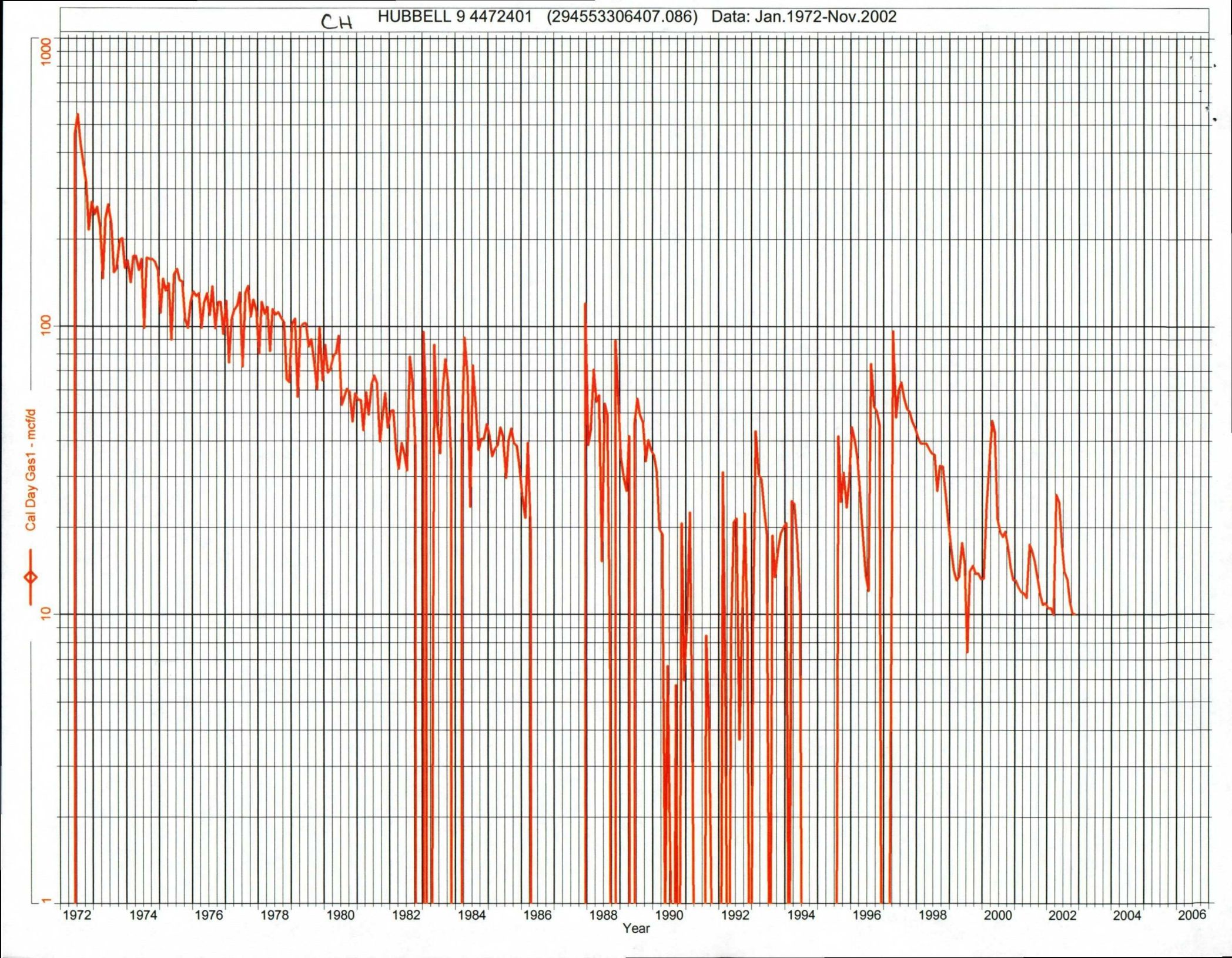
DK-Original

GAS GRAVITY	0.744
COND. OR MISC. (C/M)	C
%N2	0.00528
%CO2	0.01346
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	6592
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	178
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	922
BOTTOMHOLE PRESSURE (PSIA)	1114.6

GAS GRAVITY	0
COND. OR MISC. (C/M)	C
%N2	0.00
%CO2	0
%H2S	0
DIAMETER (IN)	0
DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!


Cal Day Gas1 - mcf/d
1
10
100
1000
Cal Day Condensate - Bbl/d
0.1
1
10
100
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
Year
DK
CAIN 15M 775701 (24512582675 8.112) Data: Jan.1982-Nov.2002


Cal Day Gas1 - mcf/d
1
10
100
1000
Cal Day Condensate - Bbl/d
0.1
1
10
100
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
Year
mv
CAIN 15M 775702 (26157654787 4.067) Data: Jan.1982-Nov.2002


CH
HUBBELL 9 4472401 (294553306407.086) Data: Jan.1972-Nov.2002
1000
100
10
1
Cal Day Gas1 - mcf/d
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
Year