

DATE: 2/9/01	SUBMITTER: 3/1/01	ENGINEER: DC	LOGGED IN: MN	TYPE: DHC	APP NO.: 104340845
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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



2008

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET 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]

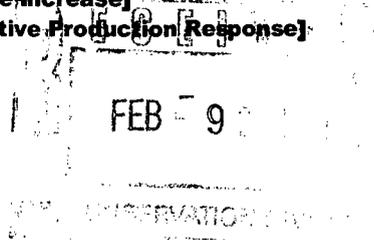
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [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



[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] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have reviewed the applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common.

I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Peggy Cole
 Print or Type Name

Peggy Cole
 Signature

Regulatory Supervisor
 Title *2-8-01*
 Date

pbradfield@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

EAST

11

A-24-31N-12W

SAN JUAN

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 14538

Property Code 18517

API No. 30-045-10599

Lease Type: X Federal

State

Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	AZTEC PICTURED CLIFFS	BLANCO MESAVERDE	BASIN DAKOTA
Pool Code	71280	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2552'-2584'	WILL BE SUPPLIED UPON COMPLETION	6972'-7083'
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)	338 PSI - CURRENT 899 PSI - ORIGINAL (see attachment)	561 PSI - CURRENT 1255 PSI - ORIGINAL (see attachment)	884 PSI - CURRENT 2452 PSI - ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1181	1243	1265
Producing, Shut-In or New Zone	SHUT IN	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: 11/30/00 Rates: 0 mcf/d	Date: New Zone Rates: (see attached)	Date: 11/30/00 Rates: 120 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?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes No X
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 01/23/01
nco
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

API Number 30-045-10599		Pool Code 71280/72319/71599	Pool Name Aztec Pictured Cliffs/Blanco Mesaverde/Basin DK
Property Code 18517	Property Name East		Well Number 11
GRID No. 14538	Operator Name Burlington Resources Oil & Gas Company		Elevation 6028' 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
A	24	31N	12W		1150'	North	990'	East	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 PC: NE/160 MV/DK: E/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<p>16</p> <p>Original plat from Ernest V. Echshawk 7-9-62.</p>		<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p>
		<p>Signature Peggy Cole</p> <p>Printed Name Regulatory Supervisor</p> <p>Title</p>
		<p>Date</p>
		<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p>
		<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
		<p>Certificate Number</p>

East #11
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
 Version 1.0 3/13/94

Pictured Cliffs	Dakota																																																
<u>PC-Current</u>	<u>DK-Current</u>																																																
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East #11
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
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Mesaverde	
<u>MV-Current</u>	
GAS GRAVITY	0.717
COND. OR MISC. (C/M)	C
%N2	0.222
%CO2	0.816
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5024
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	491
BOTTOMHOLE PRESSURE (PSIA)	560.8
<u>MV-Original</u>	
GAS GRAVITY	0.717
COND. OR MISC. (C/M)	C
%N2	0.222
%CO2	0.816
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5024
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1082
BOTTOMHOLE PRESSURE (PSIA)	1255.3

<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
DK EAST 11 1541302	1962 9 22	1,975
DK EAST 11 1541302	1970 12 10	672
DK EAST 11 1541302	1971 7 18	633
DK EAST 11 1541302	1972 7 18	668
DK EAST 11 1541302	1973 12 18	555
DK EAST 11 1541302	1974 8 18	547
DK EAST 11 1541302	1975 4 18	550
DK EAST 11 1541302	1977 5 17	520
DK EAST 11 1541302	1979 8 16	447
DK EAST 11 1541302	1981 9 1	758
DK EAST 11 1541302	1983 6 9	774
DK EAST 11 1541302	1985 5 29	773
DK EAST 11 1541302	1988 3 22	715
DK EAST 11 1541302	1990 6 7	725
DK EAST 11 1541302	1992 3 29	732

<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
MV EAST 4 1539201	1954 3 14	1,082
MV EAST 4 1539201	1970 11 30	523
MV EAST 4 1539201	1971 7 18	472
MV EAST 4 1539201	1972 7 18	479
MV EAST 4 1539201	1973 5 18	428
MV EAST 4 1539201	1974 6 2	396
MV EAST 4 1539201	1976 6 18	372
MV EAST 4 1539201	1978 1 10	474
MV EAST 4 1539201	1980 6 7	487
MV EAST 4 1539201	1982 7 24	493
MV EAST 4 1539201	1984 8 22	517
MV EAST 4 1539201	1986 2 19	519
MV EAST 4 1539201	1989 11 16	489
MV EAST 4 1539201	1991 5 15	479
MV EAST 4 1539201	1991 5 29	491

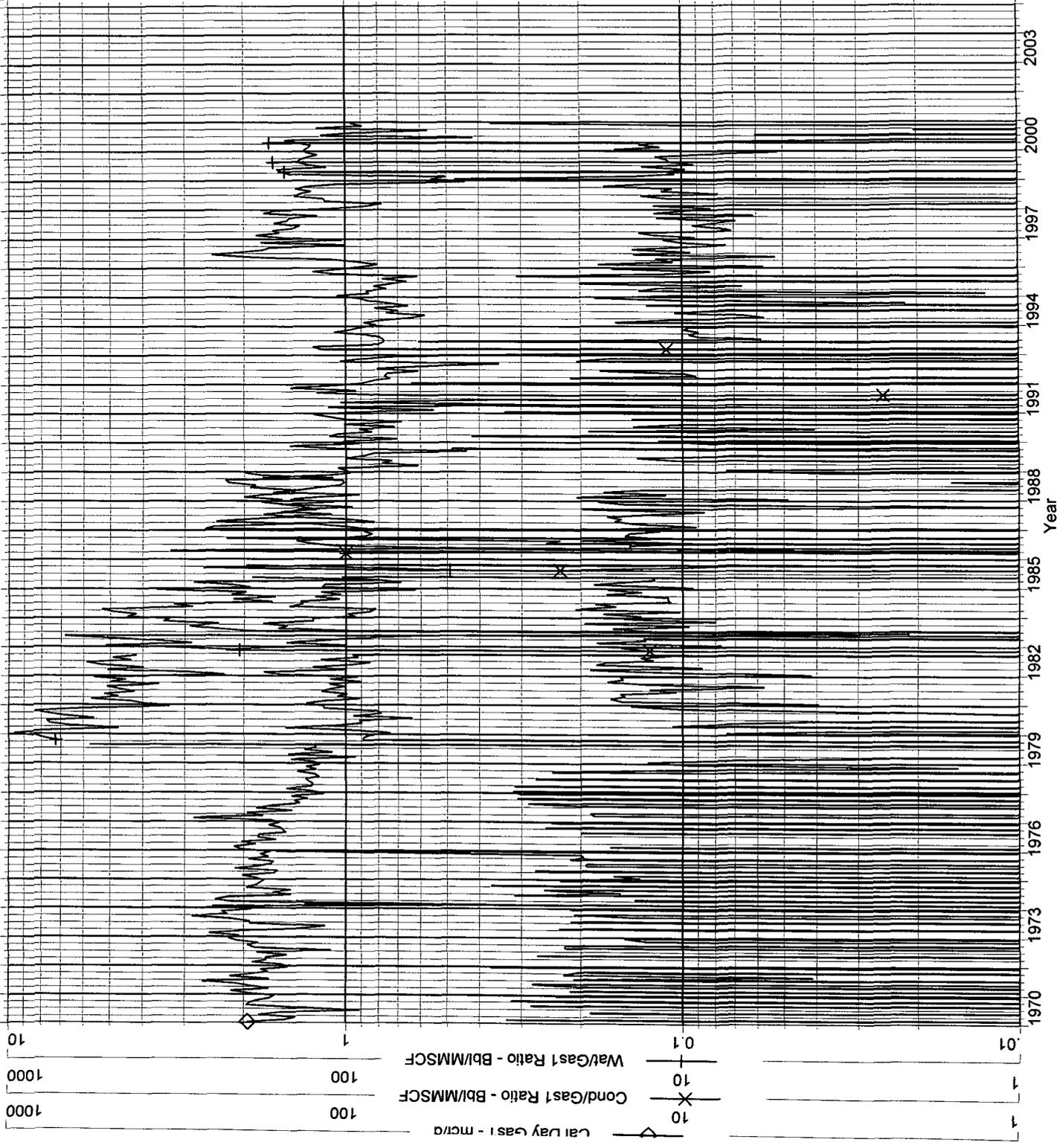
<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
PC DAVIS 14 1161301	1970 5 30	752
PC DAVIS 14 1161301	1971 9 18	384
PC DAVIS 14 1161301	1972 6 10	346
PC DAVIS 14 1161301	1973 8 18	312
PC DAVIS 14 1161301	1975 7 18	260
PC DAVIS 14 1161301	1977 5 17	241
PC DAVIS 14 1161301	1979 8 16	287

◇ Cal Day Gas1 - mcr/a
 Cum: 1415.21 MMSCF
 * Cond/Gas1 Ratio - Bbl/MMSCF
 Cum: 15.8775 MSTB
 + Wat/Gas1 Ratio - Bbl/MMSCF
 Cum: 1.15696 MSTB

East #11
 Actual Production
 Dakota Formation

Operator: BURLINGTON RESOURCES OIL GAS CO LP
 Field: BASIN DAKOTA (PRORATED GAS)
 Zone:
 Type: Gas
 Group: None

Production Cumis
 Oil: 0 MSTB
 Gas: 1415.21 MMSCF
 Water: 1.15696 MSTB
 Cond: 15.8775 MSTB

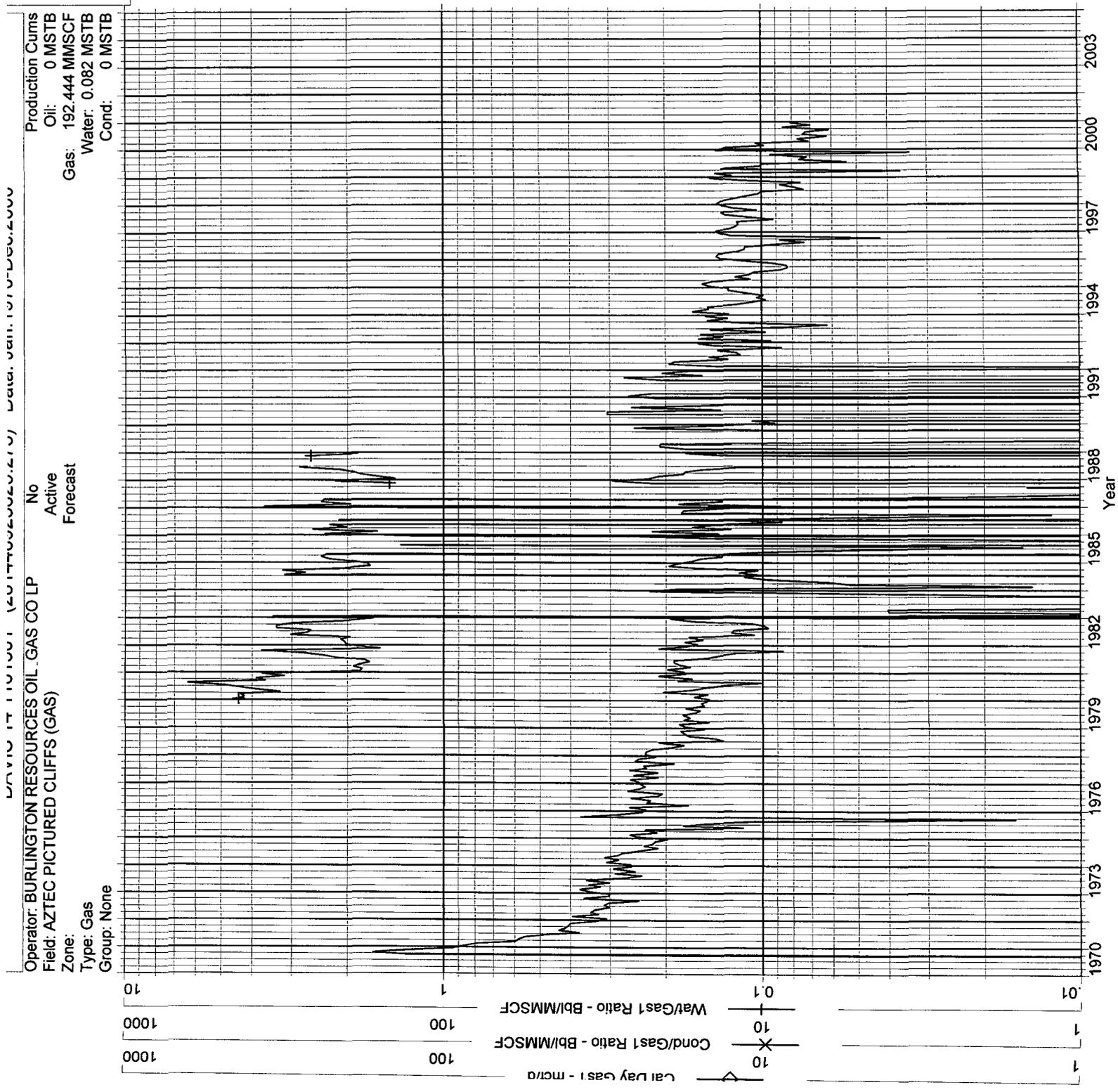


L:\0111\UTRI\001 (47000001000111000) Data. Sep. 1992 - Dec. 2000

No
 Active
 Forecast

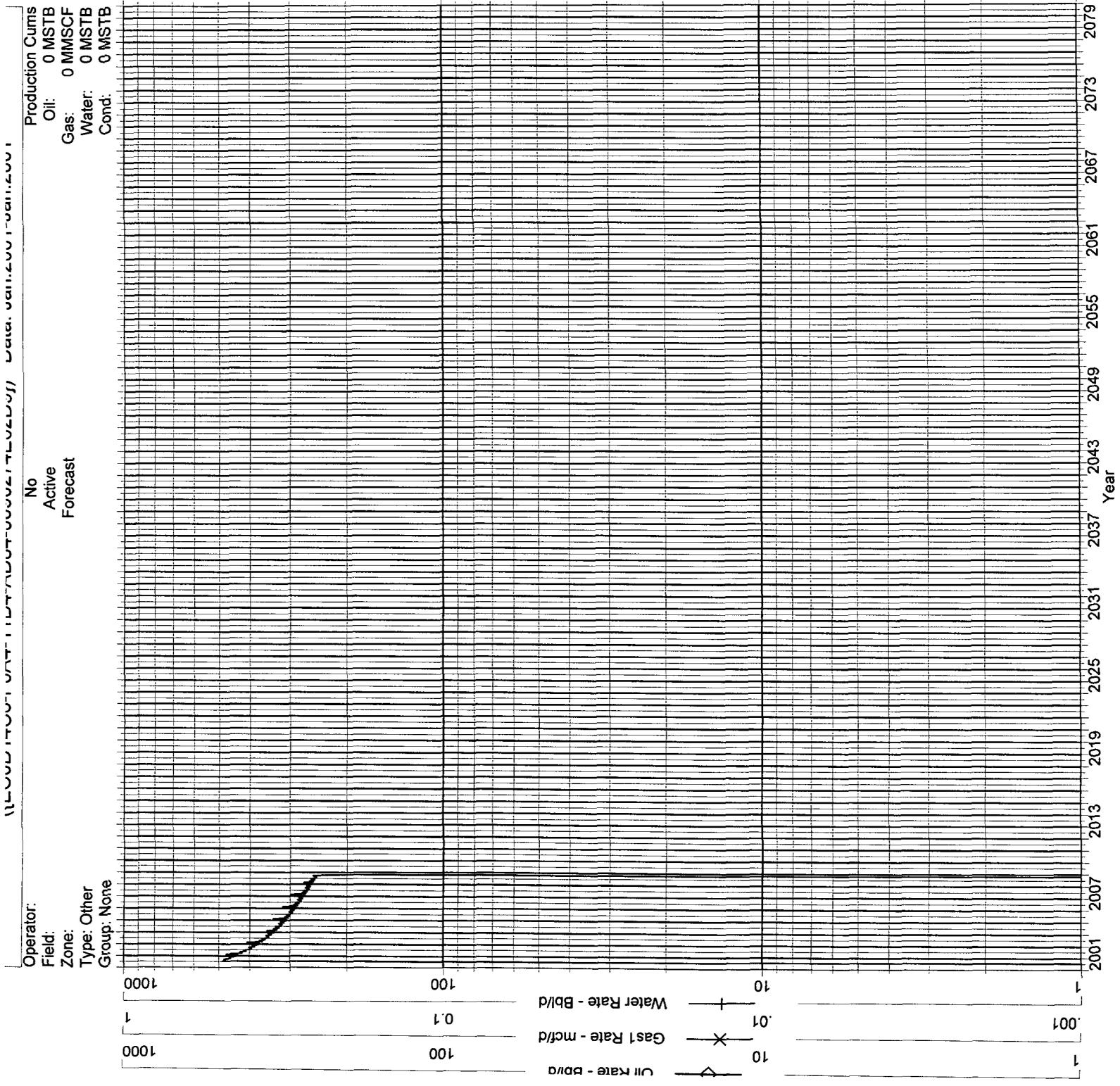
Cal Day Gas1 - mcr/d
 Cum: 192,444 MMSCF
 Cond/Gas1 Ratio - Bbl/MMSCF
 Cum: 0 MSTB
 Wat/Gas1 Ratio - Bbl/MMSCF
 Cum: 0.082 MSTB

East #11
 Offset Production
 Pictured Cliffs Formation



Oil Rate - bbl/d
 Cum: 0
 Gas Rate - mcf/d
 Cum: 0
 Water Rate - Bbl/d
 Cum: 0

East #11
 Expected Production
 Mesaverde Formation



Operator: No
 Field: Active
 Zone: Forecast
 Type: Other
 Group: None

Production Cumis
 Oil: 0 MSTB
 Gas: 0 MMSCF
 Water: 0 MSTB
 Cond: 0 MSTB

EAST '11 1541302 (246856796577.463) Data: Jan. 1970-May.2002

Operator: BURLINGTON RESOURCES OG CO LP
 Field: BASIN DAKOTA (PRORATED GAS)
 Zone:
 Type: Gas
 Group: Well::28_5LW

AllocDK (Rate-Time)
 qi: 5.44831 MMSCF, Aug, 1996
 qf: 0.456951 MMSCF, Nov, 2048
 di(Hyp): 12
 RR: 813.004 MMSCF

Production Cums
 Oil: 0 MSTB
 Gas: 1491.3 MMSCF
 Water: 1.18203 MSTB
 Cond: 16.3668 MSTB

○ Monthly Gas1 - MMSCF

— AllocDK - MMSCF

versus time

Qi: 5.44831 MMSCF, Aug, 1996

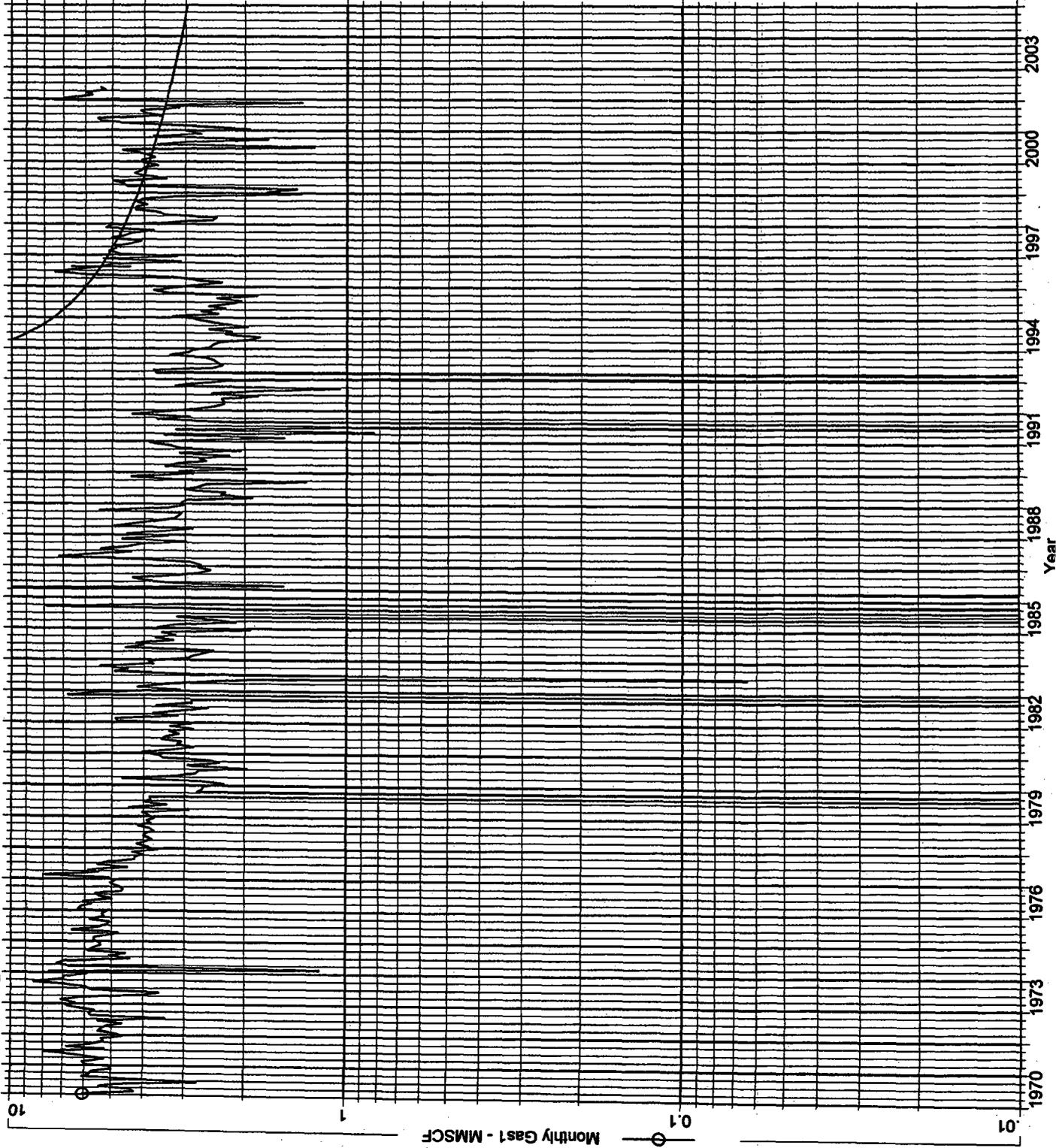
Qf: 0.456951 MMSCF, Nov, 2048

Di:(Hyp->Exp) : 12

n: 2.1

RR: 813.004 MMSCF

Corr coeff: N/A



EAST 11 1541301 (EAST 11 1541301) Data: Jan. 1973-May. 2002

Operator: BURLINGTON RESOURCES OG CO LP
 Field: AZTEC PICTURED CLIFFS (GAS)
 Zone:
 Type: Gas
 Group: Well::28_5LW

AllocPC (Rate-Time)
 qi: 1.33925 MMSCF, Jan, 1977
 qf: 0.304478 MMSCF, Jul, 2004
 di(Hyp): 16
 RR: 69.0645 MMSCF

Production Cums
 Oil: 0 MSTB
 Gas: 183.81 MMSCF
 Water: 0.12 MSTB
 Cond: 0 MSTB

* Monthly Gas1 - MMSCF

□ AllocPC - MMSCF

versus time

Qi: 1.33925 MMSCF, Jan, 1977

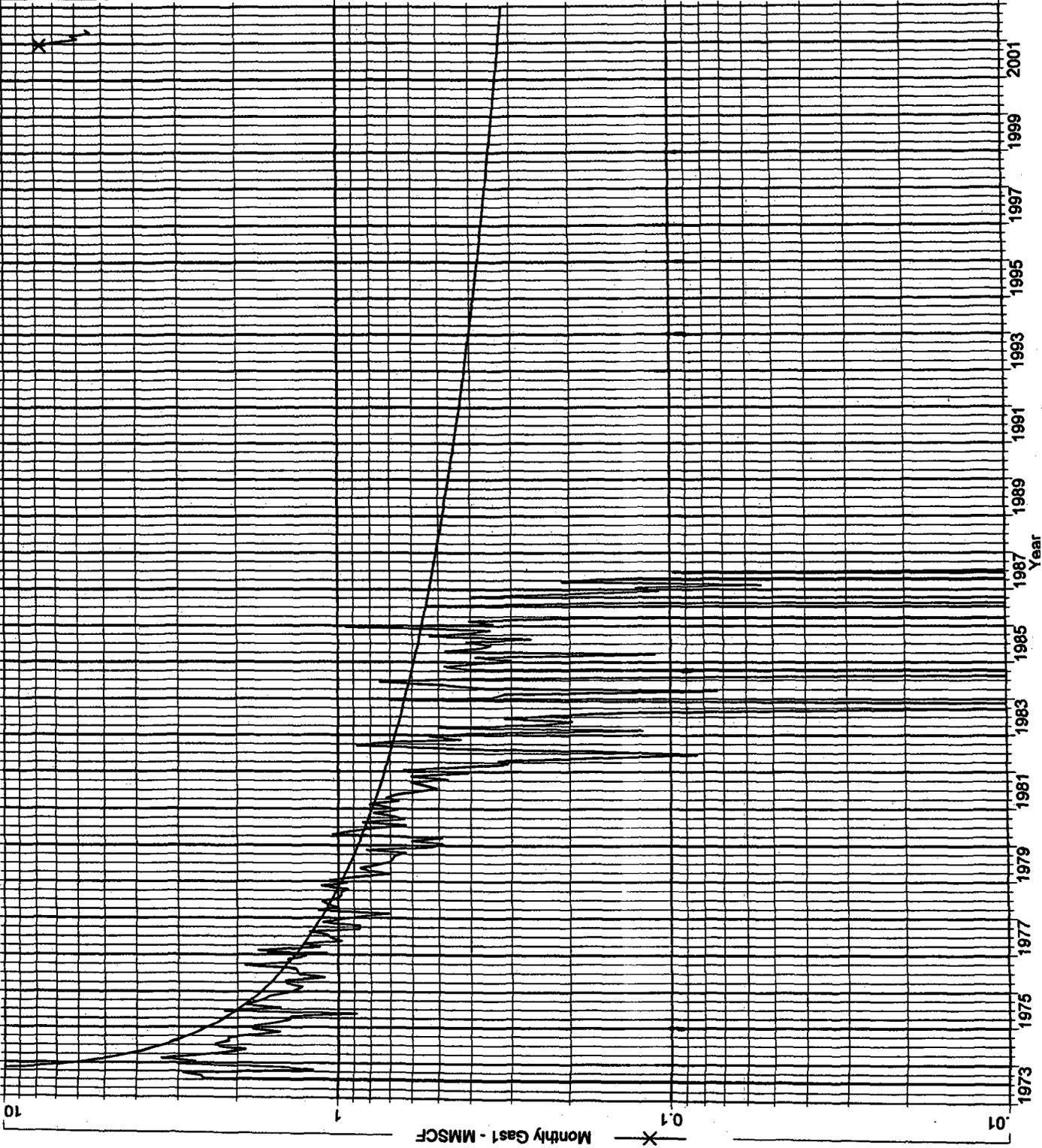
Qf: 0.304478 MMSCF, Jul, 2004

Di(Hyp->Exp) : 16

n: 1.5

RR: 69.0645 MMSCF

Corr coeff: N/A



EAST 11 ALL (EAST 11 MV) Data: Jul.1973-May.2002

Operator: BURLINGTON RESOURCES OG CO LP

Field:

Zone:

Type: Gas

Group: Well: 28_5LW

AllocALL (Rate-Time)

qi: 22.6151 MMSCF, Dec, 2001

qf: 0.457569 MMSCF, Jan, 2059

di(hyp): 40

RR: 2227.67 MMSCF

Production Cums

Oil: 0 MSTB

Gas: 1483.57 MMSCF

Water: 0 MSTB

Cond: 0 MSTB

Monthly Gas1 - MMSCF

AllocALL - MMSCF

versus time

Qi: 22.6151 MMSCF, Dec, 2001

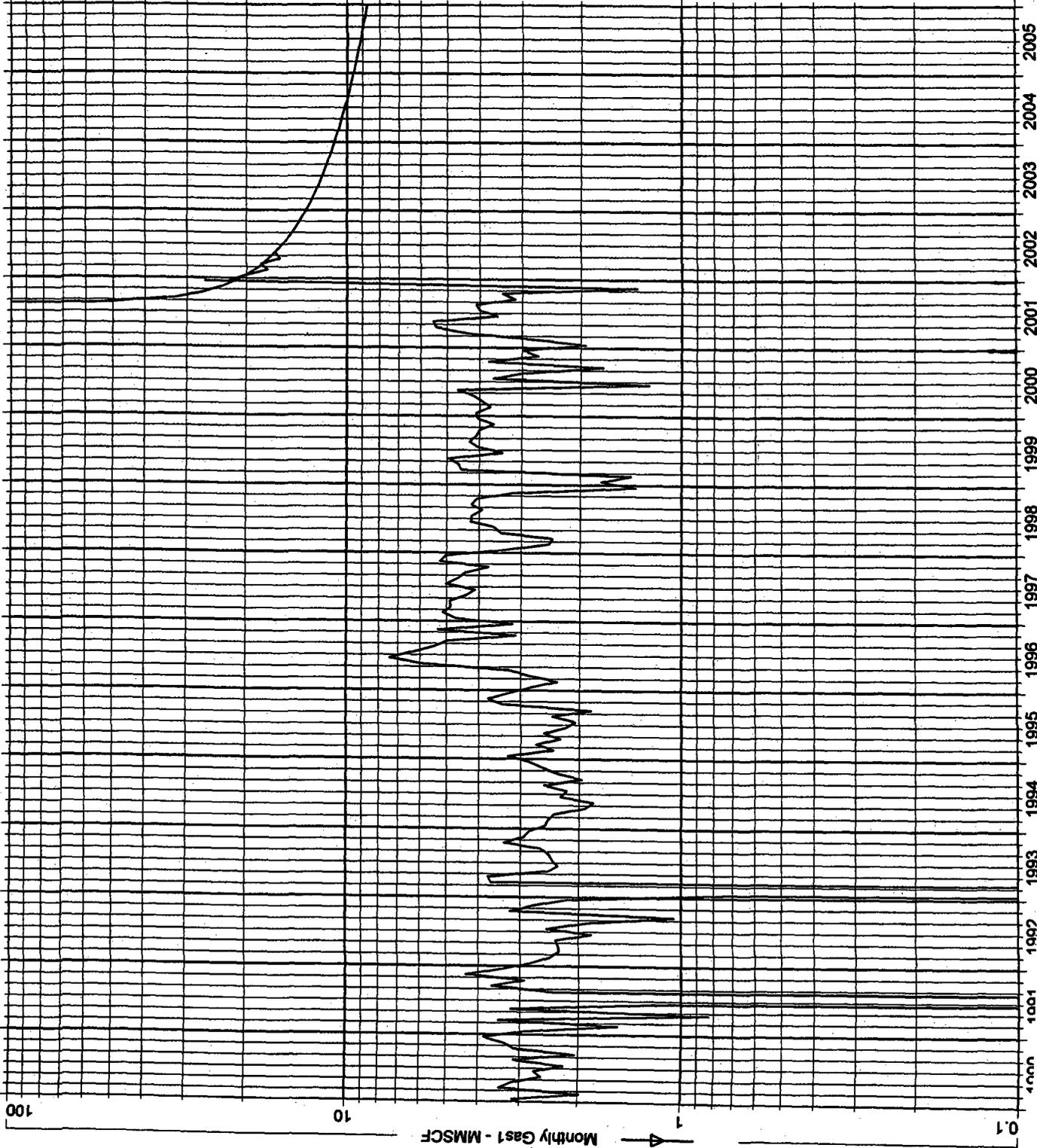
Qf: 0.457569 MMSCF, Jan, 2059

Di:(Hyp->Exp) : 40

n: 2.7

RR: 2227.67 MMSCF

Corr coeff: -0.260515



**East #11 Well
Pictured Cliffs, Mesaverde & Dakota
Interest Owners**

ADRIENNE SUE CHAPMAN

BEEBE INC

BUREAU OF LAND MANAGEMENT

ELIZABETH BEARD TANKSLEY

FELIX DASHEN

HERBERT KOKERNOT LEA

J C BROWN ESTATE

JANE K BEARD

KATHARINE A SHOEMAKER

LAURA JEANNE BUTHORN

LOIS E ROWLEY

M JUNE BIXLER

MICHAEL MCWILLIAMS

MICHAEL SCOTT LEA

OLIVE M FARMER REVOCABLE TRUST

RUTH F CRAIN ESTATE

SHIRLEY LINDER HOOPER

W THOMAS BEARD III

WALTER A FARMER ESTATE