

DATE 1/24/01	LOGGED IN 2/13/01	ENGINEER DC	LOGGED IN RV	TYPE DHC	APP NO. 103648200
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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



2877

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]

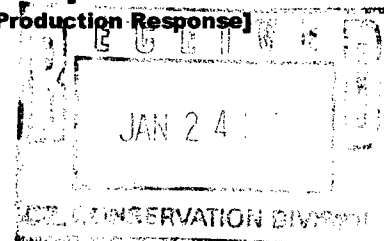
[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[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

Signature

Peggy Cole

Regulatory Supervisor

Title

Date

1-22-01

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

JICARILLA 101

3

N-1-26N-4W

RIO ARRIBA

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 14538

Property Code 18557

API No. 30-039-20294

Lease Type: X Federal

State

Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	TAPACITO PICTURED CLIFFS	BLANCO MESAVERDE	BASIN DAKOTA
Pool Code	85920	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3724'-3746'	WILL BE SUPPLIED UPON COMPLETION	7892'-8094'
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)	514 PSI - CURRENT 1034 PSI - ORIGINAL (see attachment)	566 PSI - CURRENT 896 PSI - ORIGINAL (see attachment)	724 PSI - CURRENT 2363 PSI - ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1200	1186	1293
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: 12/31/00 Rates: 80 mcf/d	Date: New Zone Rates: (see attached)	Date: 12/31/00 Rates: 53 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 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 01/22/01

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

¹ API Number 30-039-20294	² Pool Code 85920/72319/71599	³ Pool Name Basin Dakota Tapacito Pictured Cliffs/Blanco Mesaverde/
⁴ Property Code 18557	⁵ Property Name Jicarilla 101	⁶ Well Number 3
⁷ OGRID No. 14538	⁸ Operator Name Burlington Resources Oil & Gas Company	⁹ Elevation 6924' 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
N	1	26N	4W		940'	South	1990'	West	Rio Arriba

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 - 160 MV-DK W/320.36	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					Original plat from Fred B. Kerr, Jr. 7-2-69	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Peggy Cole Printed Name Regulatory Supervisor Title Date
						¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

1990'

940'

Jicarilla 101 #3
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>	
GAS GRAVITY	0.685	GAS GRAVITY	0.753
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.696	%N2	0.497
%CO2	0.268	%CO2	0.896
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	3715	DEPTH (FT)	7850
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)	514	SURFACE PRESSURE (PSIA)	587
BOTTOMHOLE PRESSURE (PSIA)	564.3	BOTTOMHOLE PRESSURE (PSIA)	724.1
<u>PC-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.685	GAS GRAVITY	0.753
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.696	%N2	0.497
%CO2	0.268	%CO2	0.896
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	3715	DEPTH (FT)	7850
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)	935	SURFACE PRESSURE (PSIA)	1846
BOTTOMHOLE PRESSURE (PSIA)	1033.8	BOTTOMHOLE PRESSURE (PSIA)	2363.1

Jicarilla 101 #3
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
 Version 1.0 3/13/94

Mesaverde	
<u>MV-Current</u>	
GAS GRAVITY	0.683
COND. OR MISC. (C/M)	C
%N2	0.278
%CO2	0.969
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	6033
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	487
BOTTOMHOLE PRESSURE (PSIA)	566.3
<u>MV-Original</u>	
GAS GRAVITY	0.683
COND. OR MISC. (C/M)	C
%N2	0.278
%CO2	0.969
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	6033
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	765
BOTTOMHOLE PRESSURE (PSIA)	896.2

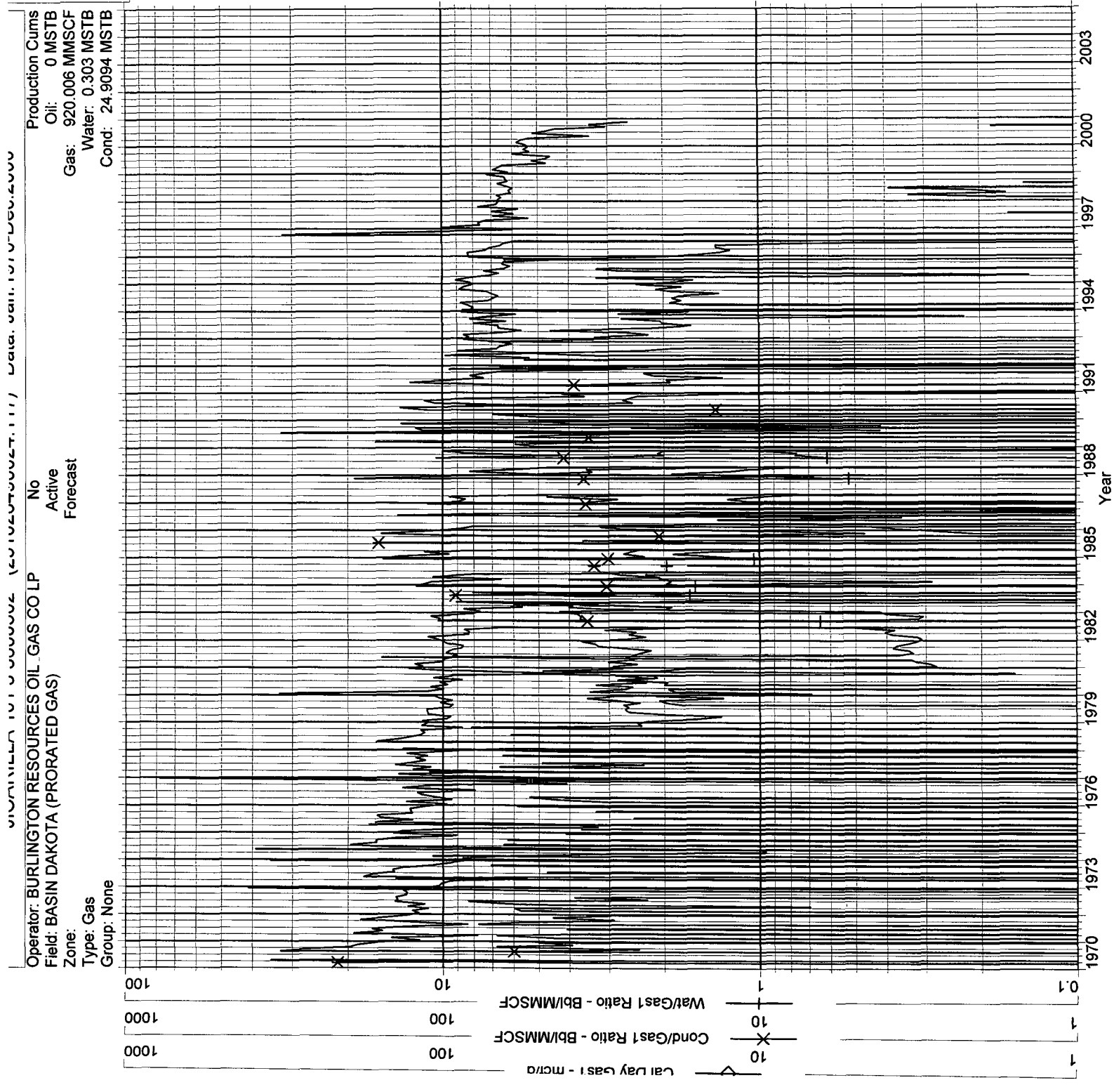
	<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
PC	JICARILLA 101 3 3600501	1970 1 19	935
PC	JICARILLA 101 3 3600501	1970 1 27	922
PC	JICARILLA 101 3 3600501	1971 12 2	732
PC	JICARILLA 101 3 3600501	1972 5 10	697
PC	JICARILLA 101 3 3600501	1973 9 1	659
PC	JICARILLA 101 3 3600501	1974 6 17	667
PC	JICARILLA 101 3 3600501	1976 5 26	433
PC	JICARILLA 101 3 3600501	1978 7 16	646
PC	JICARILLA 101 3 3600501	1980 6 23	638
PC	JICARILLA 101 3 3600501	1982 4 23	515
PC	JICARILLA 101 3 3600501	1984 4 3	583
PC	JICARILLA 101 3 3600501	1989 6 7	640
PC	JICARILLA 101 3 3600501	1991 7 31	514

	<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
DK	JICARILLA 101 3 3600502	1970 1 19	1,846
DK	JICARILLA 101 3 3600502	1970 2 2	1,833
DK	JICARILLA 101 3 3600502	1972 2 2	1,833
DK	JICARILLA 101 3 3600502	1973 9 1	1,038
DK	JICARILLA 101 3 3600502	1975 6 1	534
DK	JICARILLA 101 3 3600502	1977 5 16	993
DK	JICARILLA 101 3 3600502	1979 7 31	872
DK	JICARILLA 101 3 3600502	1981 6 7	962
DK	JICARILLA 101 3 3600502	1983 3 31	887
DK	JICARILLA 101 3 3600502	1985 4 24	952
DK	JICARILLA 101 3 3600502	1988 10 18	587

	<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
MV	JICARILLA 101 3M 3603702	1985 5 31	765
MV	JICARILLA 101 3M 3603702	1986 3 11	656
MV	JICARILLA 101 3M 3603702	1987 4 21	620
MV	JICARILLA 101 3M 3603702	1989 10 12	723
MV	JICARILLA 101 3M 3603702	1991 7 17	525
MV	JICARILLA 101 3M 3603702	1991 7 31	537
MV	JICARILLA 101 3M 3603702	1993 5 5	487

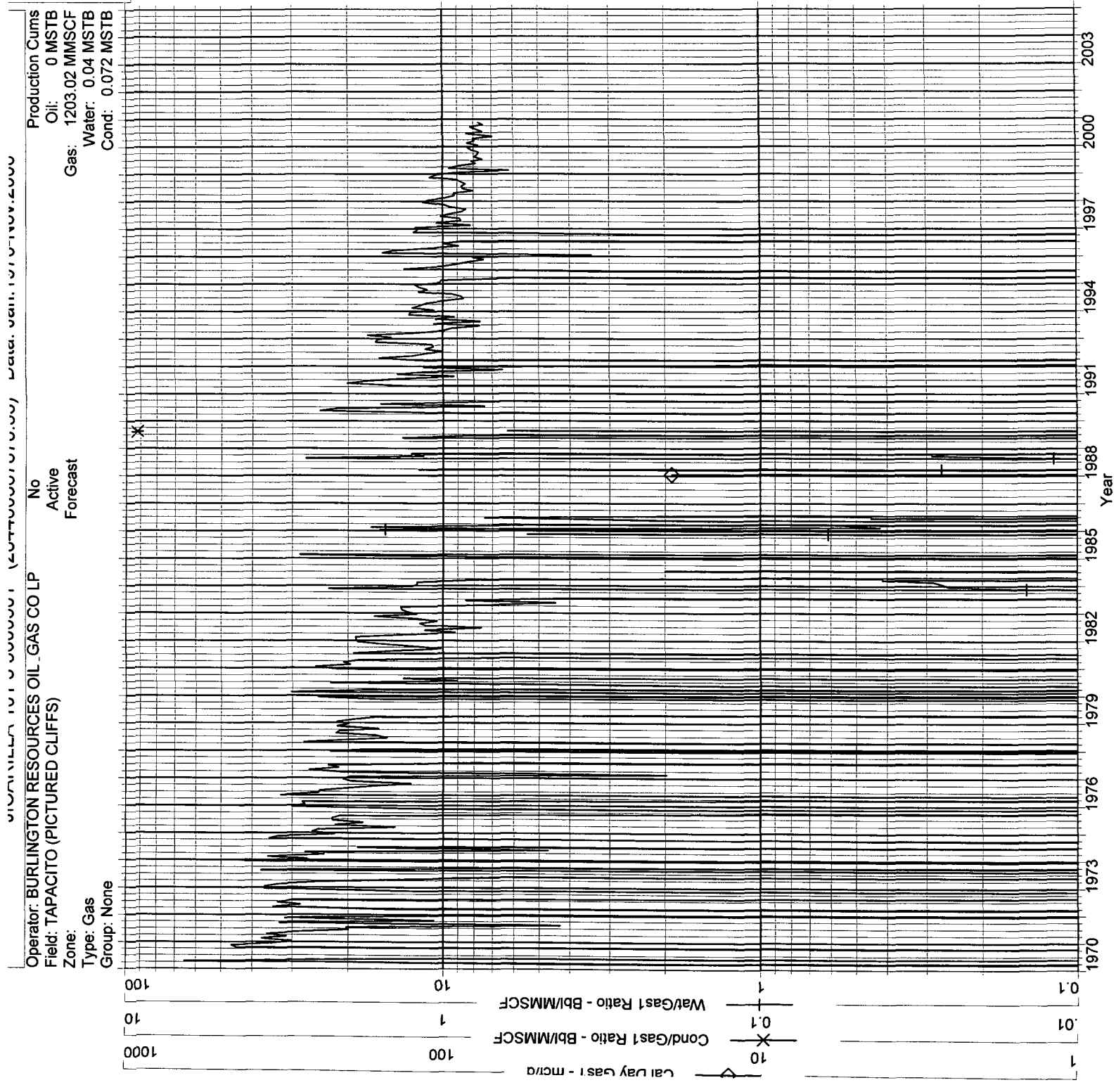
Cal Day Gas1 - mcr/d
 Cum: 920,006 MMSCF
 Cond/Gas1 Ratio - Bbl/MMSCF
 Cum: 24,9094 MSTB
 Wat/Gas1 Ratio - Bbl/MMSCF
 Cum: 0.303 MSTB

Jicarilla 101 #3
 Actual Production
 Dakota Formation



Cal Day Gas1 - mcr/d
 Cum: 1203.02 MMSCF
 Cond/Gas1 Ratio - Bbl/MMSCF
 Cum: 0.072 MSTB
 Wat/Gas1 Ratio - Bbl/MMSCF
 Cum: 0.04 MSTB

Jicarilla 101 #3
 Actual Production
 Pictured Cliffs Formation

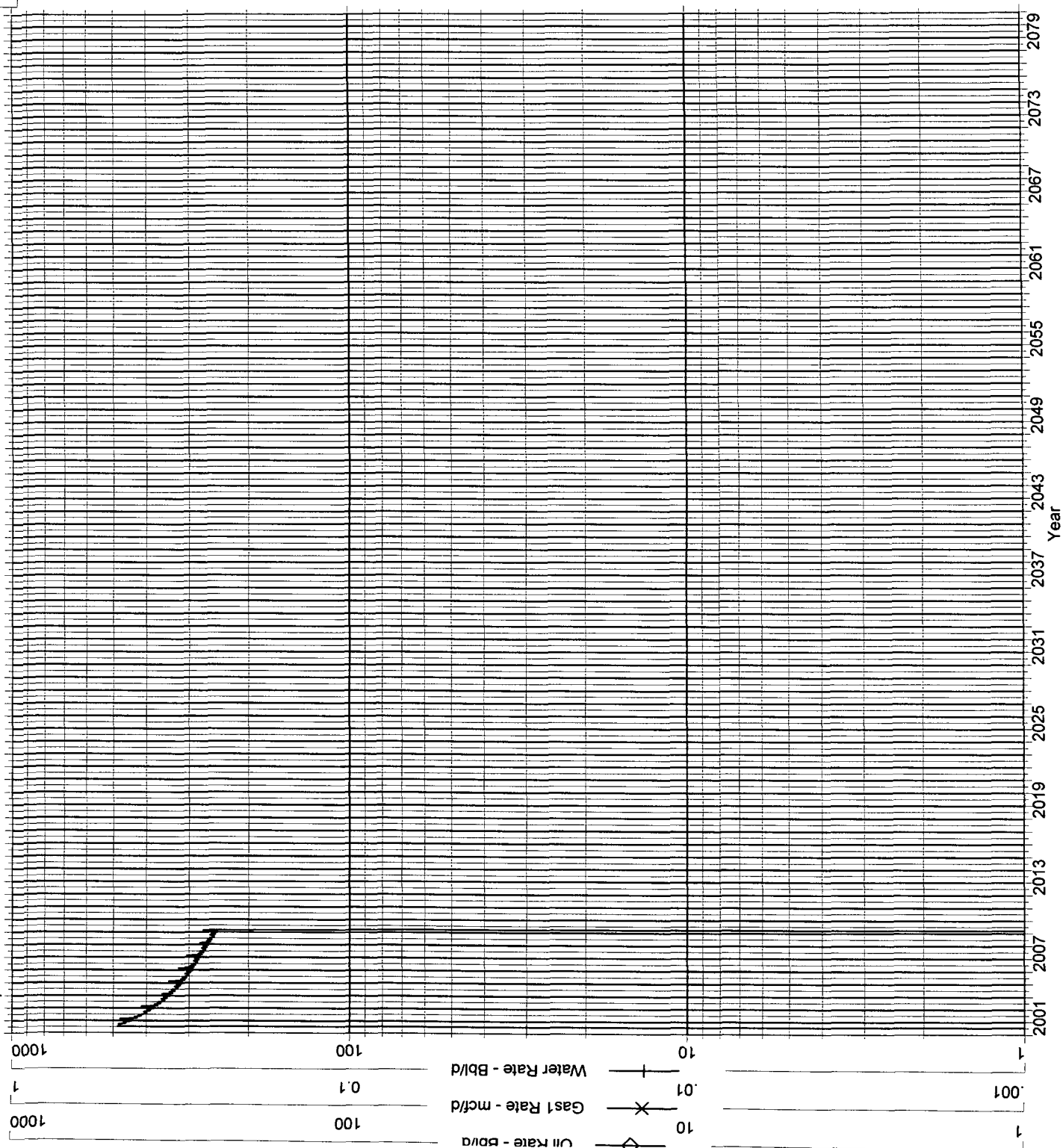


Operator:
Field:
Zone:
Type: Other
Group: None

Jicarilla 101 #3

Expected Production

Mesaverde Formation



Jicarilla 101 #3
 Pictured Cliffs / Mesaverde / Dakota
 26N - 4W - 01

