DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
2/9/01	3/4/01	DC	KW	DHC	104340698

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

2887

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]

RECEIVED
FEB - 9
OIL CONSERVATION DIVISION

[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	Peggy Cole	Regulatory Supervisor	2-8-01
Print or Type Name	Signature	Title	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

OIL CONSERVATION DIVISION

2040 South Pacheco
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
__X_ Yes ___No

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

Operator — Address

ROSS FEDERAL | 1 | G-23-30N-11W | SAN JUAN

Lease | Well No. | Unit Letter-Section-Township-Range | County

OGRID No. 14538 Property Code 25005 API No. 30-045-09348 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	6868'-7060'
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)	475 PSI – CURRENT 1091 PSI – ORIGINAL (see attachment)	596 PSI - CURRENT 1017 PSI – ORIGINAL (see attachment)	687 PSI – CURRENT 2961 PSI – ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1179	1257	1129
Producing, Shut-In or New Zone	New Zone	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: Rates:	Date: Rates:	Date: 11/30/00 Rates: 270 mcfd
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____ 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 Sean E Corrigan TITLE Production Engineer DATE 02/5/01
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	[2] Pool Code	[3] Pool Name
30-045-09348	72319/82329/71599	Blanco Mesaverde/Otero Chacra/Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
25005	Ross Federal	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	Burlington Resources Oil & Gas Company	6022'GR

[10] Surface Location

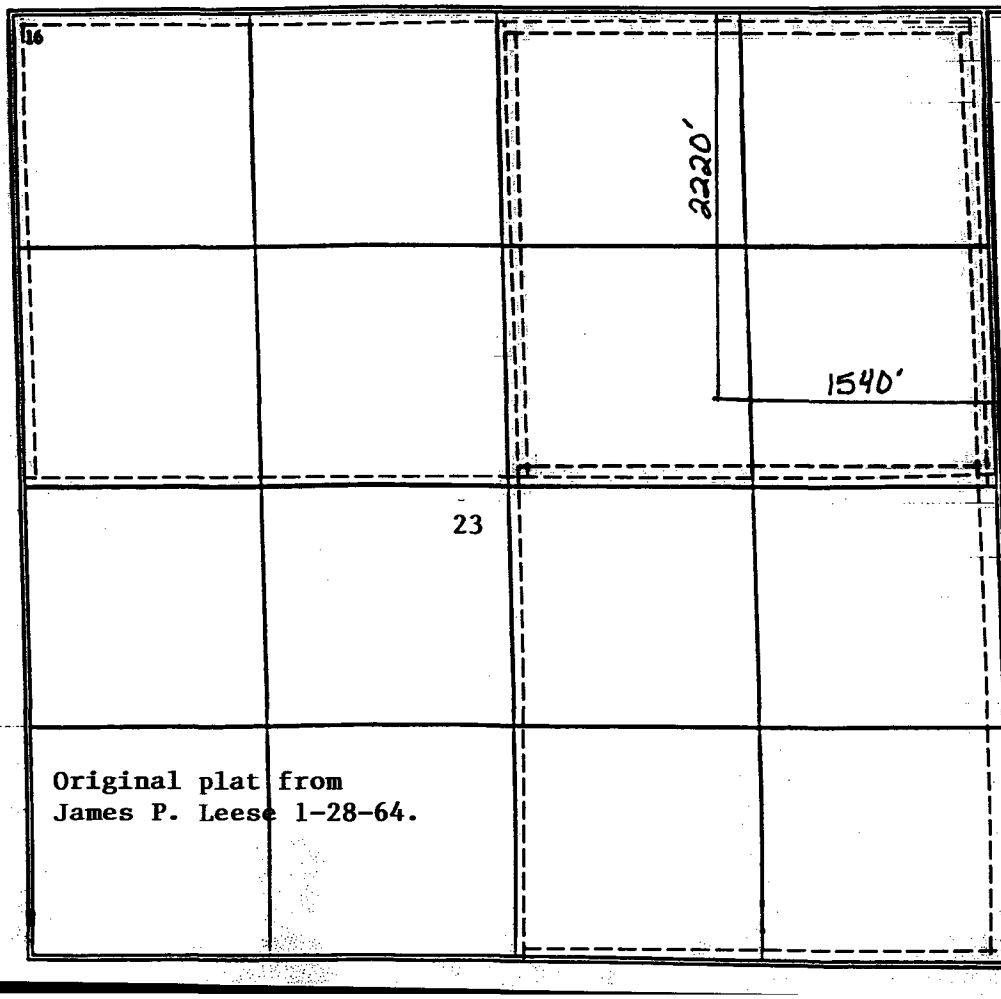
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	23	30N	11W		2220	North	1540	East	San Juan

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
MV:N/318.63 CH:NE/158.86 DK:E/320			

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

Signature
Peggy Cole
Printed Name
Regulatory Supervisor
Title
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.

Date of Survey
Signature and Seal of Professional Surveyer:
Certificate Number

Ross Federal #1

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Chacra

CH-Current

GAS GRAVITY	0.672
COND. OR MISC. (C/M)	C
%N2	0.33
%CO2	0.53
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	3076
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	441
BOTTOMHOLE PRESSURE (PSIA)	475.2

CH-Original

GAS GRAVITY	0.672
COND. OR MISC. (C/M)	C
%N2	0.33
%CO2	0.53
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	3076
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1005
BOTTOMHOLE PRESSURE (PSIA)	1090.8

Mesaverde

MV-Current

GAS GRAVITY	0.723
COND. OR MISC. (C/M)	C
%N2	0.27
%CO2	0.59
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5260
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	522
BOTTOMHOLE PRESSURE (PSIA)	595.8

MV-Original

GAS GRAVITY	0.723
COND. OR MISC. (C/M)	C
%N2	0.27
%CO2	0.59
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5260
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	884
BOTTOMHOLE PRESSURE (PSIA)	1016.8

Ross Federal #1

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Dakota

DK-Current

GAS GRAVITY	0.667
COND. OR MISC. (C/M)	C
%N2	0.35
%CO2	2.15
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7043
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	577
BOTTOMHOLE PRESSURE (PSIA)	686.5

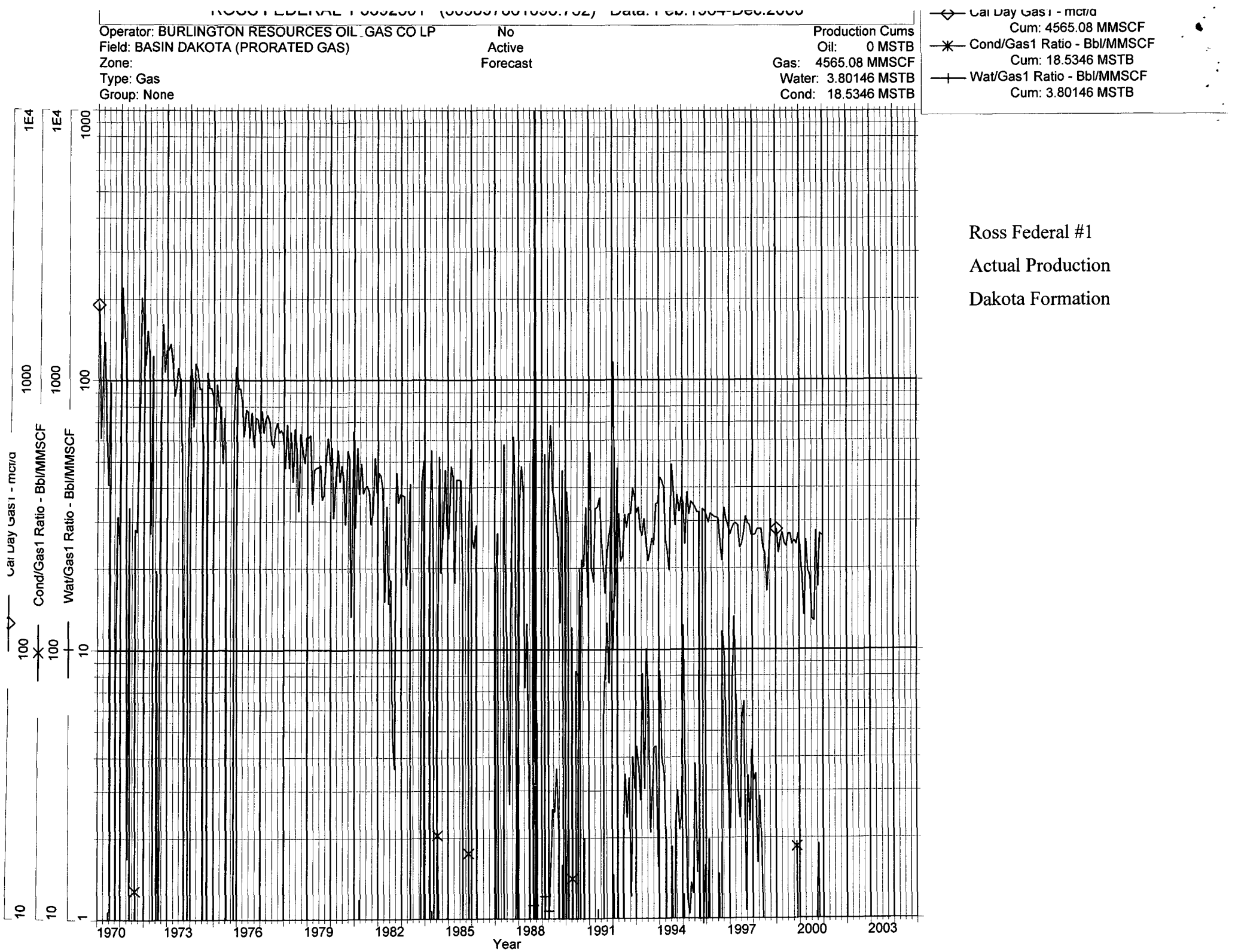
DK-Original

GAS GRAVITY	0.667
COND. OR MISC. (C/M)	C
%N2	0.35
%CO2	2.15
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7043
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2418
BOTTOMHOLE PRESSURE (PSIA)	2960.9

	Well Name	Date	PSI
CH	ALBRIGHT 2J 3215601	1979 9 23	1,005
CH	ALBRIGHT 2J 3215601	1981 9 15	417
CH	ALBRIGHT 2J 3215601	1983 8 24	441

	Well Name	Date	PSI
MV	MURPHY COM 3 262301	1989 2 7	884
MV	MURPHY COM 3 262301	1989 10 31	790
MV	MURPHY COM 3 262301	1991 7 2	604
MV	MURPHY COM 3 262301	1991 12 16	592
MV	MURPHY COM 3 262301	1993 7 29	473
MV	MURPHY COM 3 262301	1993 7 30	522

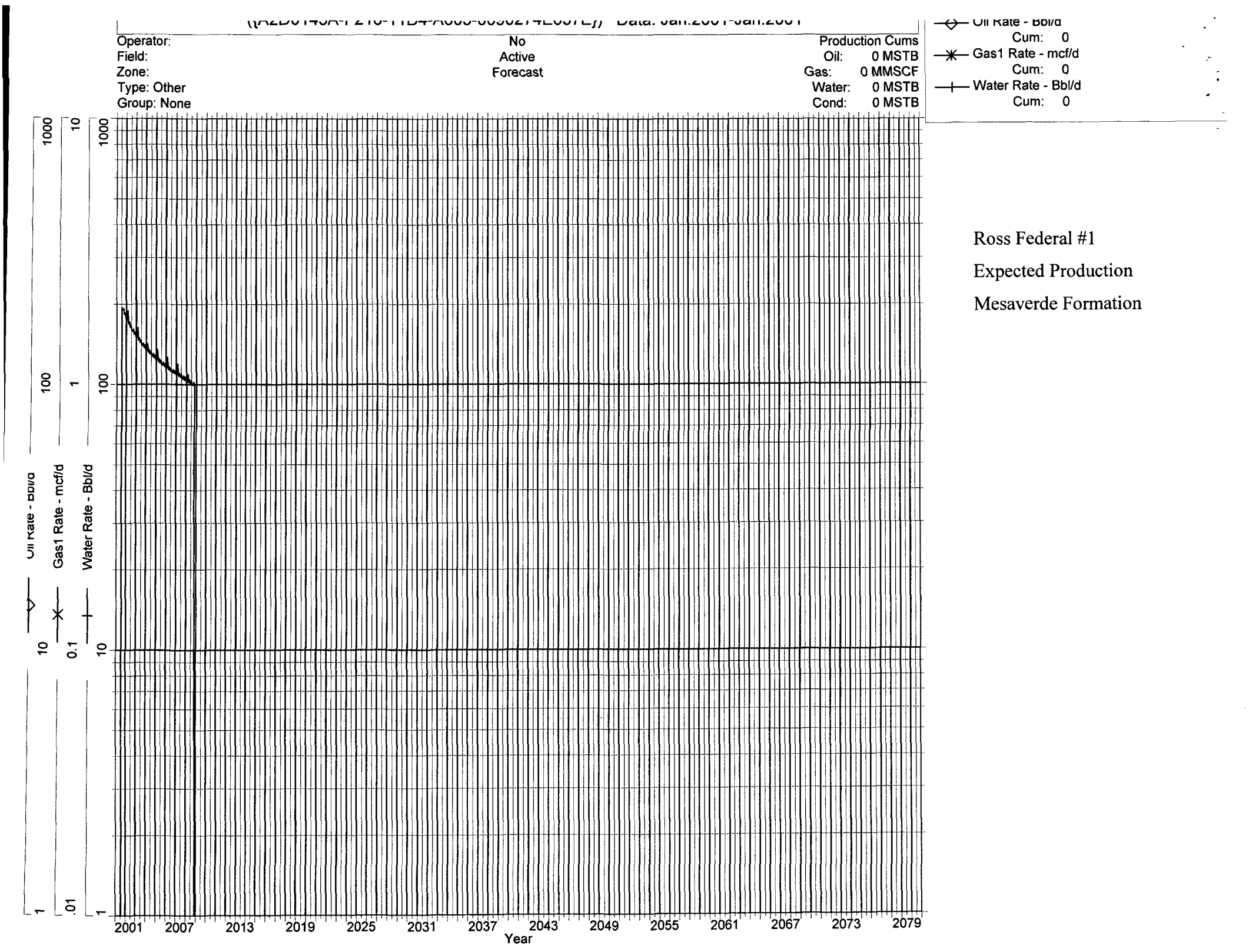
	Well Name	Date	PSI
DK	ROSS FEDERAL 1 5392301	1964 2 21	2,418
DK	ROSS FEDERAL 1 5392301	1970 7 21	1,244
DK	ROSS FEDERAL 1 5392301	1971 4 9	1,361
DK	ROSS FEDERAL 1 5392301	1972 9 7	1,441
DK	ROSS FEDERAL 1 5392301	1973 5 2	918
DK	ROSS FEDERAL 1 5392301	1975 6 9	862
DK	ROSS FEDERAL 1 5392301	1977 6 30	716
DK	ROSS FEDERAL 1 5392301	1979 6 20	724
DK	ROSS FEDERAL 1 5392301	1981 6 8	630
DK	ROSS FEDERAL 1 5392301	1983 6 8	593
DK	ROSS FEDERAL 1 5392301	1985 6 27	693
DK	ROSS FEDERAL 1 5392301	1989 3 7	762
DK	ROSS FEDERAL 1 5392301	1989 12 7	594
DK	ROSS FEDERAL 1 5392301	1990 12 7	614
DK	ROSS FEDERAL 1 5392301	1992 8 7	577



Ross Federal #1

Actual Production

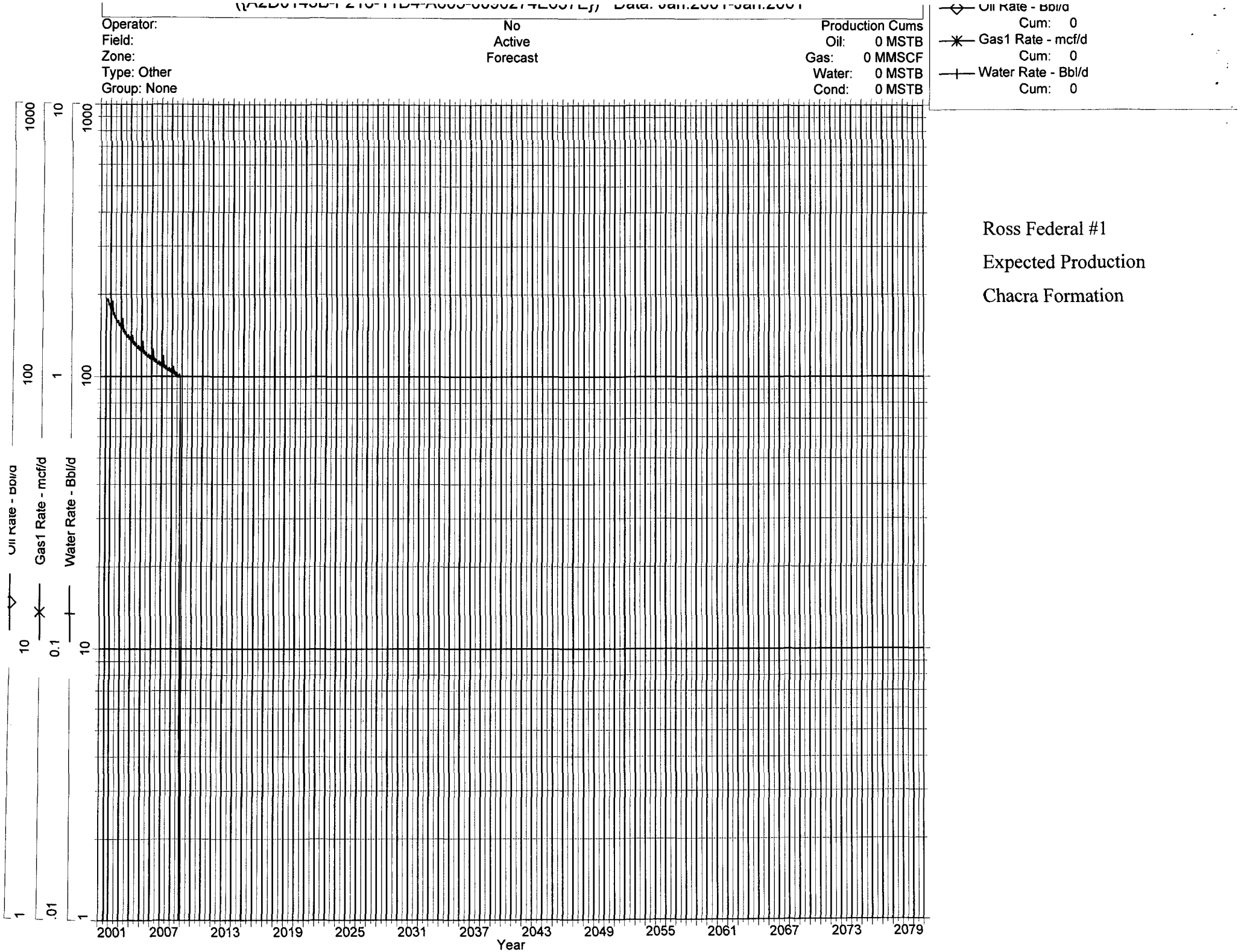
Dakota Formation



Ross Federal #1

Expected Production

Mesaverde Formation



Ross Federal #1

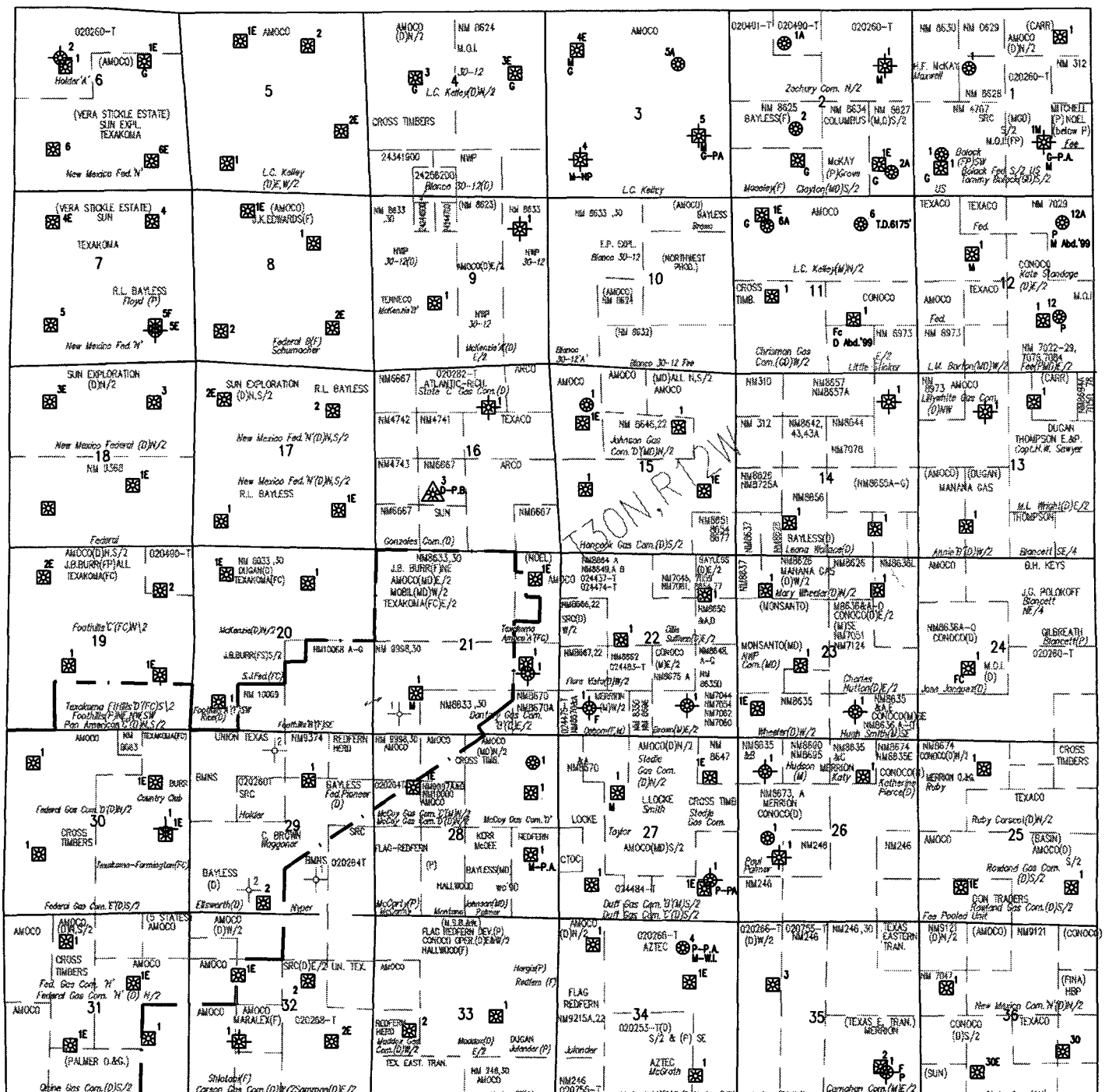
Expected Production

Chacra Formation

Ross Federal #1

30N – 11W – 23

Chacra / Mesaverde / Dakota



Burlington Resources Oil & Gas Co.
Asset Ownership Report

Asset #:	5392300	**Asset Name:**	ROSS FEDERAL
Completion #:	5392301	**Completion Name:**	ROSS FEDERAL 1
Stage:	APPROVED	**Stage Date:**	12/03/1999
Record Type:	WORKING INTEREST	**Operator Name:**	BURLINGTON RESOURCES OIL & GAS CO LP
Well Type:	GAS WELL	**Operator Number:**	99902104
Formation:	DAKOTA	**Division:**	SAN JUAN DIVISION
Field:	BASIN DAKOTA (PRORATED GAS)	**Area:**	SAN JUAN AREA
Status:	PRODUCING	**Basin:**	SAN JUAN BASIN
Status Date:	01/01/1989	**Team:**	SAN JUAN BASIN - TEAM
Prod Reason:	INTERMITTER	**Prospect:**	SAN JUAN BASIN (MOI)(42)
Prod Method:	FLOWING	**Property #:**	072021500
Compltn Date:	03/10/1964	**Reg Base File**	NM-742
Landman:	SHANNON NICHOLS	**Corp Base File**	NM742
		DO Analyst:	

Legal Description

Surface Location: **State:** NEW MEXICO **County:** SAN JUAN

Section:	Town:	Range	Block:	Unit:	Footage:		Latitude/Longitude
023	030N	011W		G SW/4 NE/4	2220 FNL	1540 FEL	36.7/ -107.9

Bottom Hole Location:

Section:	Town:	Range	Block:	Unit:	Footage:	Latitude/Longitude

Dedicated Subdivision

Subdivision: E2 **Dedicated Acres:** 320.000000

State:	County:	Town:	Range:	Section:	Block:	Survey/Area:	Abstract:	Acreage:
NEW MEXICO	SAN JUAN	030N	011W	023				320.000

Call Description: E

Exception Description:

Legal Description Remarks:

AS DETERMINED BY DEPENDENT RESURVEY THE ACREAGE IN THE PRORATION UNIT IS ACTUALLY 317.20 ACRES. HOWEVER, DAKOTA OWNERSHIP IS BASED UPON ORIGINAL SURVEY ACREAGE. THEREFORE, ALL ACREAGE DESCRIPTIONS CONTAINED HEREIN ARE BASED UPON ORIGINAL SURVEY OF 320 ACRES.

Company Ownership Breakdown:

Owner Name:	Product:	Gross Interest:	Net Interest:	Interest Type:	Payout:	Trust Code:	Current Flag:
BURLINGTON RESOURCES OIL & GAS CO LP	ALL	37.500000	28.125000	WI	NONE		Y
BURLINGTON RESOURCES OIL & GAS CO LP	ALL	0.000000	0.116685	ORI	NONE		Y

Total Company Revenue Interest:

	Total Net:	Total Gross:	Total Net w/o Trust:	Total Gross w/o Trust:
Gas:	28.241685	37.500000	28.241685	37.500000
Oil:	28.241685	37.500000	28.241685	37.500000

Company Ownership Remarks:

01/01/1998

LWM: BETA PAYOUT PER EPNG CONTRACT ADM. EFFECTIVE 9/83. THIS IS A BETA WELL

DO/Unit Link:

Payout:	Product:	DO Number:	Unit PA Number:	Expansion #:	Current Flag:
NONE	ALL	85250600			Y

DO/Unit Link Remarks:

Description of Dedicated Leases:

Type:	Agreement #:	Legacy File #:	Agreement Name:	Lease Type:	Gross Acres in Well:	Net Acres in Well:	Expiration Date:	Status:
PRV	22043901	NM 706 300 N/2 NE/4	ROSS, J J ET UX	LSE	80.00	30.00	10/10/55	
PRV	22043902	NM 706 A300	ROSS, JAMES E ET UX	LSE	0.00	0.00	10/09/55	
FPD	22046600	NM 736 300 LOTS 5,6,8,9 (SE/4)	USA SF-080113	LSE	160.00	60.00	08/01/58	
FPD	22047100	NM 742 000 S/2 NE	USA SF-078138	LSE	80.00	30.00	06/01/54	

Related Agreements:

Agreement #:	Legacy File #:	Agreement Name:	Lease Type:	Expiration Date:	Status:
25066400		DALAL FAHD AL-SOURGI	ACQUISITION	01/01/99	
24275800		SW-172	COMMUNITIZATION AGREEMEN	02/06/99	
24741300		355 COMPRESSION AGREEMENT	FACILITIES AGREEMENT	11/15/99	
25363500		EL PASO NATURAL GAS COMPANY	GAS GATHERING AGREEMENT	02/15/99	
24839200		EXCHANGE OF OPERATIONS-CONOCO	LETTER AGREEMENT	10/27/99	
24731800		ROSS FEDERAL 1, 1M & HARTMAN C	OPERATING AGREEMENT	10/01/99	
61122800	61122800	MOI	OTHER		

Controlling Contract Information:

Contract Number: 24731800
Preferential Right to Purchase: N
JOA Effective Date: 12/01/1999
Expenditure Limit: 25,000.00 DOLLARS
Non-Consent Penalty: Y 300/300/100

Controlling COPAS Information:

COPAS Effective Date: 12-01-1999
COPAS Model Form: COPAS 1984
Annual Adjustment: Y
Original Overhead: **A. Drilling:** 5,100.00 DOLLARS **B: Producing:** 510.00 DOLLARS
District Expense:
Employee Benefit Rate:

Outside Cost Bearing Interest Owners:

Owner Name:	Owner Number:		Interest:	Payout:	Current Flag:	Eff Date:	Block Post Flag:
BURLINGTON RESOURCES OIL & GA	999021	01	37.500000	NONE	Y	12/01/1999	Y
CONOCO INC	031008	41	53.125000	NONE	Y	12/06/1999	Y

CROSS TIMBERS OIL CO	079592	01	9.375000	NONE	Y	12/06/1999	Y

Surface Owner/ Use Remarks:

Special Remarks:

SPECIAL REMARKS:
11/96: APPROVAL GIVEN TO CONOCO TO REPAIR CASING.
12/3/99: EFFECTIVE 12/01/99 BURLINGTON TOOK OVER OPERATIONS OF THIS WELL FROM CONOCO. THE TERMS AND CONDITIONS OF THIS CHANGE IN OPERATOR ARE DEFINED IN A CERTAIN EXCHANGE OF OPERATIONS LETTER AGREEMENT DATED OCTOBER 27, 1999, BY AND BETWEEN BURLINGTON AND CONOCO.

Ross Federal #1
Dakota, Mesaverde & Chacra Formations
Interest Owners

BETTY CLAIR WEST

BUREAU OF LAND MANAGEMENT

BYRON F ROYCE & CHARLENE E ROYCE LIV TRST

CARL ENGFER

CONOCO INC

CROSS TIMBERS OIL COMPANY

DOROTHY SWANSON

EDWARD H FORGOTSON

EDWINA PETERSEN TRUSTEE

ELLIOTT INDUSTRIES

ELLIOTT-HALL COMPANY

FORGOTSON FAMILY PTSHP R/E

GERALD B TURNER

GLADYS M SCHRAM ESTATE

HANSON MCBRIDE PETROLEUM CO

HEBER FINCH JR TRUST

JAMES M FORGOTSON III

JAMES M FORGOTSON JR

JO ANNE MOSS TRELOAR

JOHN A CATLETT

JOHN D FINCH

LOUIS DREYFUS NATURAL GAS CORP

MARATHON OIL COMPANY

PATSY JEAN BAXTER

SINGER BROS

SOUTHWOOD FINANCIAL LLC