#### CASE NO.

11029

#### **LEASE & WELL NAME**

STATE COM G NO. 2A

#### **LOCATION**

1650' FSL & 1650' FEL

SEC. 32, T-29N, R-8W

SAN JUAN COUNTY

#### POOLS TO BE DOWNHOLE COMMINGLED

**Blanco Pictured Cliffs** 

Blanco Mesaverde

#### STATE LEASE NOS. AT WELL LOCATION

Pictured Cliffs: E-3374

Mesaverde: E-3374

#### **SPACING UNITS**

Pictured Cliffs: SE/4, Sec. 32 -- 160 acres

Mesaverde: S/2, Sec. 32 -- 320 acres

Exhibits 1 through 10 Complete Sit

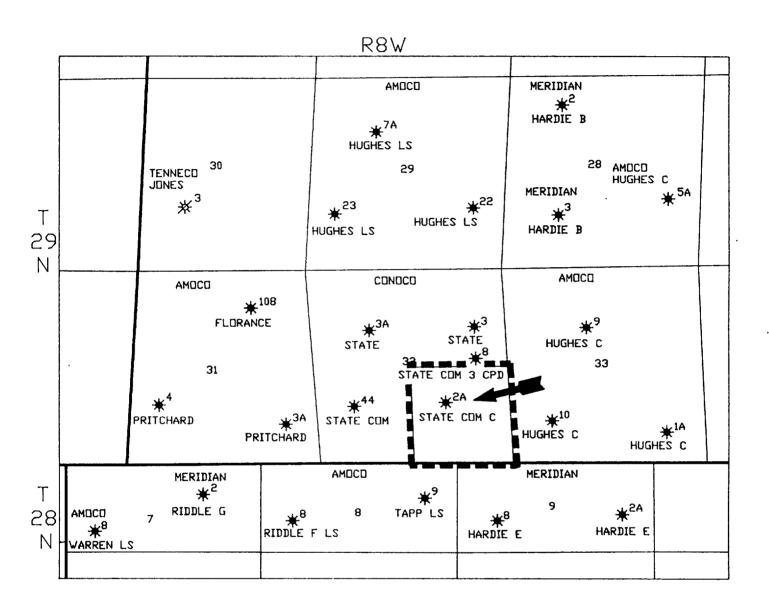
BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 1

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994



PICTURED CLIFF
PRORATION UNIT

conoco	EPNGNA MIDLAND DIVISION
STATE	CDM G #2A
PICTURE	D CLIFF WELLS
	DRAWING NO. PL1155

#### BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 2-A

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994

R8W MERIDIN D HARDIE B AMDCD MERIDIN AMDCD HUGHES C ¥<sup>7A</sup> HUGHES ₿ HUGHE2 ₽ BOLIN 29 30 MERIDIN D HARDIE B AMDCD HUGHES C ¥<sup>1A</sup> B□LIN **\***8A ¥<sup>7</sup> HUGHES ₿ HUGHES T 29 AMDCO CONDCD AMDCD Ν ₩<sup>1</sup> ¥<sup>3</sup> PRITCHARD \*³ ¥<sup>6A</sup> 33 HUGHES C STATE ¥<sup>2</sup> ¥<sup>2A</sup> STATE COM G \*\*⁴ HUGHES C PRITCHARD ¥<sup>1A</sup> HUGHES C ¥<sup>1</sup>A<sup>MERIDIAN</sup> RIDDLE G MERIDIAN T 8 \*2A
RIDDLE F LS 28 RIDDLE F LS ¥<sup>2A</sup> HARDIE E RIDDLE G HARDIÊ E Ν

MESAVERDE PRORATION
UNIT

CONOCO	EPNGNA MIDLAND DIVISION
	COM G #2A ERDE WELLS
	DRAWING NO.
	PL1153

#### BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

<u> 2-B</u>
11029
Conoco Inc.
Sept 1, 1994

	i ·	1	<del></del>	
State Com G 2A				
32-29N-8W				
Pictured Cliffs (SE/4)				
Mesaverde (S/2)	Interest		Interest	'
	Type*	Pictured Cliffs	Type*	Mesaverde
Conoco Inc.	W	0.77367000	W	0.73585760
Amoco Production Company	W	0.00000000	V	0.05468750
Conoco A/C Mesa Royalty Trust	CWI	0.08871000	CWI	0.07816110
Conoco A/C Shirley Bernstein	CWI	0.00007000	CWI	0.00001830
Conoco A/C Atwell & Company	CWI	0.00002000	CWI	0.00002070
Conoco A/C Kathleen B. Lipkins	CWI	0.00003000	CWI	0.00000480
Commissioner of Public Lands	R	0.12500000	R	0.12500000
Conoco Inc.	ORRI	0.00625000	ORRI	0.00312500
Harry G. Clarke, Jr.	ORRI	0.00625000	ORRI	0.00312500

#### \* LEGEND:

W = Working Interest

CWI = Carried Working Interest

R = Royalty Interest

O = Overriding Royalty Interest

BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 3

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994

SENDER:  • Complete items 1 and/or 2 for additional services.	I also wish to receive the	SENDER:	I also wish to receive the
Complete items 3, and 4a & b.     Print your name and address on the reverse of this form so	following newtons that are the	Complete Items 1 end/or 2 for additional services.	following services (for an extra
return this card to you.  Attach this form to the front of the mailpiece, or on the backets.	100/.	Print your name and address on the reverse of this form return this card to you.	1007
does not permit.		* Attach this form to the front of the mailpiece, or on the does not permit.	back if space 1. Addressee's Address
Write "Return Receipt Requested" on the mailpiece below the a The Return Receipt will show to whom the article was delivered.	d and the date	Write "Return Receipt Requested" on the mailpiece below     The Return Receipt will show to whom the article was delighted.	the acticle number. 2. Restricted Delivery
delivered.  3. Article Addressed to:	Consult postmaster for fee.	e E delivered.	Consult postmaster for fee.
or Music Musicasps to.	48. Article Number 2 /// 0 / 6 277	3. Article Addressed to:	4a. Article Number 2/1/0/6/278
Amoco Production Company		Meridian Oil Inc.	4b. Service Type
P.O. Box 800	☐ Begistered ☐ Insured	P.O. Box 4289	☐ Begistered ☐ Insured
Denver, CO 80201	Certified COD 10	Farmington, NM 87499-4289	Certified COD
	Express Mail Apturn Receipt for Merchandise	H   H	Express Mail Return Receipt for Merchandise
	7. Date of Deliver	\$ \ Q	7. Date of Delivery 27-20
5. Signature (Addressee)	10/1	Š 2	
S. Signature (Addressee)	8. Addresses Address (Only if requested and fee is paid)	5. Signature (Addressee)	Addressee's Address (Only if requested and fee is paid)
6. Signature (Agent)	-	E 6. Signature (Agent)	
		& Cohe Courton	
PS Form 3811, December 1991 (± U.S.G.P.O.: 1992-3	007-530 DOMESTIC RETURN RECEIPT	PS Form 3811, December 1991 * U.S.G.P.O.:1	992-307-530 DOMESTIC RETURN RECEIPT
OFFICE		SENDER:	
SENDER:  • Complete items 1 and/or 2 for additional services.	1 also wish to receive the	☑ • Complete items 1 and/or 2 for additional services.	I also wish to receive the
<ul> <li>Complete items 3, and 4a &amp; b.</li> <li>Print your name and address on the reverse of this form so t</li> </ul>	following services (for an extra	Complete items 3, and 4s & b.  Print your name and address on the reverse of this for	following services (for an extra
return this card to you.	1001.	Freturn this card to you.  Attach this form to the front of the mailpiece, or on the	1001.
Attach this form to the front of the mailpiece, or on the back does not permit.	,	does not permit.	
Write "Return Receipt Requested" on the mailpiece below the a     The Return Receipt will show to whom the article was delivered		Write "Return Receipt Requested" on the meliplace below The Return Receipt will show to whom the article was de	ivered and the date
delivered	Consult postmaster for fee.	delivered 3. Article Addressed to:	Consult postmester for fee.  4s. Article Number
3. Article Addressed to:	4a. Article Number	E   B 3. VIETE VARIENCE (C. AB	2/11016275
Commissioner of Public Lands	2. /// C) // 2 /4 4b. Service Type	Harry G. Clarke, Jr.	4b. Service Type
State of New Mexico	☐ Registered ☐ Insured	21 D Center Drive	☐ Registered ☐ Insured
P.O. Box 1148	© Certified □ coo .	Lancaster, PA 17601	Certified COO
Santa Fe, NM 87504-1148	Express Mail Aeturn Receipt for Merchandise	i l ii	Merchandisa
	7. Date of Delivery	P P P	7. Date on Delivery
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6. Signature (Agent)		6. Signature Agent)	
or or diana in floring		8	
Complete items 1 and/or 2 for additional services. Complete items 3, and 4s & b. Print your name and address on the reverse of this form so return this card to you. Attach this form to the front of the mailpiece, or on the bac does not permit.	100).	Complete Items 1 and/or 2 for additional services.     Complete Items 3, and 4s & b.     Print your name and address on the reverse of this for eturn this card to you.     Attach this form to the front of the mailpiece, or on the does not permit.	1007.
. Write "Return Receipt Requested" on the mailpiece below the		. Write "Return Receipt Requested" on the meilplece belo	
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3. Article Addressed to:	2 /// 0/6 27 <b>2</b>	E 3. Article Addressed to:	4a. Article Number
Conoco A/C Atwell & Company	4b. Service Type	Conoco A/C Kathleen B. Lipkins	4b. Service Type
% United States Trust Co.	☐ Registered ☐ Insured	654 Madison Avenue	☐ Begistered ☐ Insured
	☐ Certified ☐ COD		☐ Certified ☐ COD
Box 456, Wall Street Station	Express Mail Meturn Receipt for Merchandise	19	Express Mail
of New York Box 456, Wall Street Station New York, NY 10005	7. Date of Delivery	3 O	7. Data of Delivery
	JUN 2 8 1994	9 ( 7	0/0/1/11/
5. Signature (Addressed)	Addressee's Address (Only if requested and fee is paid)	5. Signature (Addressee)  M. Hogan  6. Signature (Addressee)	8. Addresses's Address (Only if requested and fee is paid)
6 Signature (April 1)	-	6. Signature (Agent)	
6. Signature (Ageloi)		S or animonal configuration )	/
PS Form 3811, December 1991 & U.S.G.P.O.: 1992-	307-530 DOMESTIC RETURN RECEIPT	PS Form 3811, December 1991 & U.S.G.P.O.:	1992-307-530 DOMESTIC RETURN RECEIPT
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3. Article Addressed to:	Consult postmaster for fee.	å.	
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Conoco A/C	4b. Service Type	Į.	
Shirley Bernstein	to Begistered Insured		
	COD  Express Mail Return Receipt for	. <u>.</u>	
New York, NY 10021-8404	Merchandise	5	
New York, NY 10021-8404	7. Date of Delivery	ā '	
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5. Signature (Addressee)	8. Addressee's Address (Only if requested and fee is paid)	Åre .	
6. (Signature (Agent)	-	₽ '	
X M LORA		x - 4	
PS Form 3811, December 1991 +U.S. GPO: 1993-3	352-714 DOMESTIC RETURN RECEIPT	1	

BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 4

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994

Form C-116 Revised 1/1/89

State of New Mexico Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION** 

1000 Rio Brizos Rd., Aziec, NM 87410

P.O. Drawer DD, Artesia, NM 88210

DISTRICT II

DISTRICT III

DISTRICT.1 P.O. Box 1980, Hobbs, NM 88240

Submit 2 copies to Appropriate District Office.

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

## GAS-OIL RATIO TEST

												7	1			
Conoco Inc.					<u>м</u>	Blanco Mesaverde	saveı	ø	lanco	Blanco Pictured	1 Cliffs			San Juan	uan	
10 Desta Drive.	Ste 100W, Midland, TX	Mic	11and	Ţ,	79705		TAPE OF TEST - 00	8	Average	ge Dally	Rate	for	\ <u>}</u>	1994	1	
1	WEIT	_	18	LOCATION		DATE OF	-	200	1	DALY	100	E	PROD. DURING TEST	1EST		GAS-OR
LEASE NAME	Ş.	מ	8	1	Œ	TEST	ATE	1	PHESS.	ABLE	į	WATER BELS.	¥ 5	2 g	ECF.	CU FT/BEL
tate Com G (Pictured Cliffs)	2A	J	32	29N	8W	76/7	ŢĿı	1	l	N/A		i		-	28	1
tate Com G (Mesaverde)	2A	ה	32	29N	8W	76/7	Ţ			farginal Well				1	220	1
ructions;										= 8	I hereby certify that the above information complete to the best of my knowledge and belief	cartify the	T ag kno	above information is mowiedge and belief.	mation nd belief	
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in the well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in a that well can be assigned increased allowables when authorized by the Division.  Gas volumes must be reported in MCP measured at a pressure base of 15,025 psia and a temperature of 60° P.	vell shall be 25 percent. (	prodec Operation bles who	A sex	rate no courage corized essure	t exceed to take by the I base of	ding the top unit allowable for the pool in the advantage of this 25 percent tolerance in Division.  7 15.025 psis and a temperature of 60° P.	unit at of this	Lowable for 2.5 percent temperate	or the poc it tolerand are of 60'		Strature Jerry W. Hoove	Hoover,		Sr. Conserv Coordinator	Conservation	lon

(Mesaverde) State Com G

State Com G

### instructions;

order that well can be ass Gas volumes must b which well is located by During gas-oil ratio

Report casing pressure in lieu of tubing pressure for any well producing through casing. Specific gravity base will be 0.60.

Telephone No.

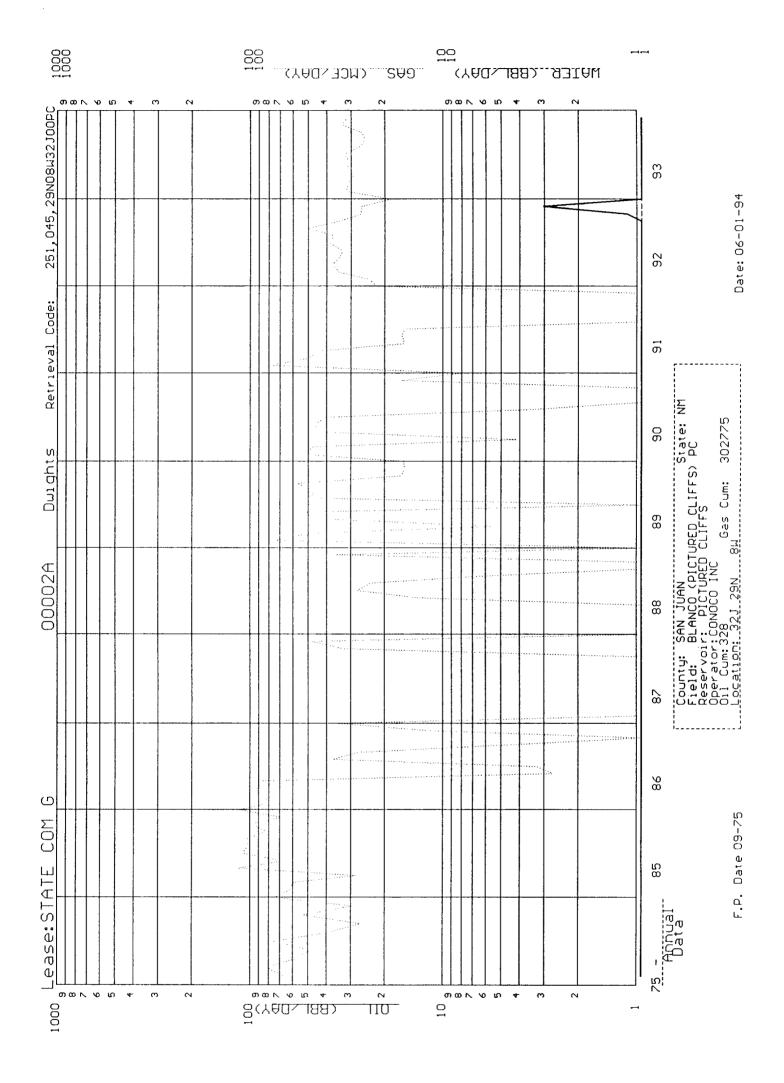
(915) 686-6548

6/11/94

(See Rule 301, Rule 1116 & appropriate pool rules.)

BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

5 11029 EXHIBIT NO. CASE NO.: Conoco Inc. Sept 1, 1994 Submitted by:\_ Hearing Date:\_



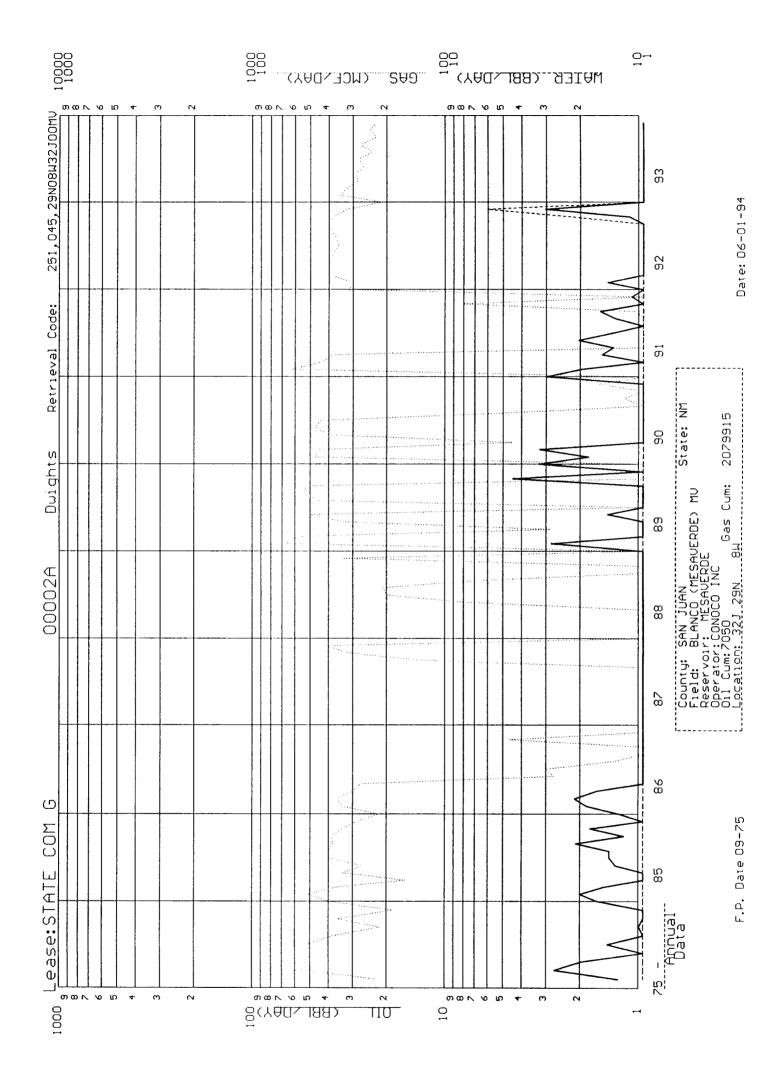
#### BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 6-A

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994



#### BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 6-B

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994



1115 FARMINGTON AVE. - FARMINGTON, NM 87401

(505) 325-6622

ANALYSIS NO: CON30084

#### WELL/LEASE INFORMATION

COMPANY:

CONOCO, INC.

PRESSURE:

102 PSIG

WELL NAME:

STATE COM G #2-A

SAMPLE TEMP.:

86 DEG. F

LOCATION:

WELL FLOWING:

COUNTY:

SAN JUAN

DATE SAMPLED:

6/23/93

YES

FORMATION:

PICTURED CLIFFS

SAMPLED BY:

J. DAVIS

METER NO.:

066-010-031

EFFECTIVE:

JULY 1, 1993 - DECEMBER 31, 1993

REMARKS:

#### ANALYSIS

COMPONENT	MOLE %	GPM	*B.T.U.	*SP. GR.
NITROGEN	0.076	0.0000	0.000	0.0007
CO2	0.857	0.0000	0.000	0.0130
METHANE	91.380	0.0000	925.03	0.5061
ETHANE	4.334	1.1594	76.87	0.0450
PROPANE	1.986	0.5473	50.08	0.0302
I-BUTANE	0.402	0.1316	13.11	0.0081
N-BUTANE	0.430	0.1356	14.06	0.0086
I-PENTANE	0.156	0.0572	6.27	0.0039
N-PENTANE	0.098	0.0355	3.94	0.0024
HEXANE	0.281	0.1228	14.47	0.0091
TOTAL	100.000	2.1894	1103.83	0.6271

#### \* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

COMPRESSIBILITY FACTOR

(1/Z)

1.0026

BTU/CU.FT. (DRY) CORRECTED FOR (1/Z)

1106.7

BTU/CU.FT. (WET) CORRECTED FOR (1/Z)

1087.4

REAL SPECIFIC GRAVITY

0.6285

#### ANALYSIS RUN AT 14.73 PSIA & 60 DEGREES F

CYLINDER PRESSURE: 47 PSIG

CYLINDER NO.:

GAS-046

DATE RUN:

6/24/93

ANALYSIS RUN BY: CHELLE DURBIN

BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 7-A

CASE NO.: 11029
Submitted by: Conoco Inc.
Hearing Date: Sept 1, 1994



(505) 325-6622

ANALYSIS NO: CON30083

#### WELL/LEASE INFORMATION

**COMPANY:** 

CONOCO, INC.

PRESSURE:

102 PSIG

WELL NAME: STATE COM G #2-A

SAMPLE TEMP.:

98 DEG. F

LOCATION:

WELL FLOWING:

YES

COUNTY:

SAN JUAN

DATE SAMPLED:

6/23/93

FORMATION: MESA VERDE

SAMPLED BY: J. DAVIS

METER NO.: 066-010-030

EFFECTIVE: JULY 1, 1993 - DECEMBER 31, 1993

REMARKS:

#### ANALYSIS

COMPONENT	MOLE &	GPM	*B.T.U.	*SP. GR.
NITROGEN	0.284	0.0000	0.000	0.0027
CO2	0.665	0.0000	0.000	0.0101
METHANE	82.476	0.0000	834.00	0.4568
BTHANE	9.475	2.5347	168.07	0.0984
PROPANE	4.326	1.1923	109.11	0.0659
I-BUTANE	0.623	0.2038	20.31	0.0125
N-BUTANE	1.130	0.3563	36.95	0.0227
I-PENTANE	0.344	0.1260	13.81	0.0086
N-PENTANE	0.271	0.0982	10.89	0.0068
HEXANE	0.406	0.1770	20.86	0.0131
TOTAL	100.000	4.6883	1214.00	0.6976

#### \* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

COMPRESSIBILITY FACTOR	(1/Z)	1.0033
BTU/CU.FT. (DRY) CORRECTED FOR	(1/Z)	1218.9
BTU/CU.FT. (WET) CORRECTED FOR	(1/Z)	1197.7
REAL SPECIFIC GRAVITY		0.6995

#### ANALYSIS RUN AT 14.73 PSIA & 60 DEGREES F

CYLINDER PRESSURE: 129 PSIG

CYLINDER NO.: GAS-1687-2

DATE RUN:

6/23/93

ANALYSIS RUN BY: CHELLE DURBIN

**BEFORE AN EXAMINER OF THE** OIL CONSERVATION DIVISION

EXHIBIT NO. 7-B

CASE NO.: 11029 Submitted by: Conoco Inc. Hearing Date: Sept 1, 1994

#### STATE COM G NO. 2A

#### **BOTTOMHOLE PRESSURE DATA**

POOL	PERFS	<u>DATUM</u>	BHP	% of Higher <u>Pressure</u>
Pictured Cliffs	2406'-2450'	3262'	210	74
Mesaverde	4075'-4858'	3262'	283	

#### **BTU-WEIGHTED PRODUCTION PERCENTAGES**

POOL	<u>MCFGPD</u>	BTU/CU FT	% of Production
Pictured Cliffs	28	1107	10.36
Mesaverde	220	1219	89.64

#### **ECONOMIC LIMIT CALCULATIONS**

OPERATING COSTS ON	Direct Operating Expense verhead/Accounting Expense	\$700/Month \$600/Month
T	OTAL OPERATING COSTS	\$1300/Month
WORKOVER COSTS	\$20,000 / Workover	
CURRENT GAS PRICE	\$1.35 / MCFG	
ECONOMIC LIMIT WITH	IOUT WORKOVER COSTS	37 MCFGPD

ECONOMIC LIMIT WITH WORKOVER COSTS......49 MCFGPD

BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

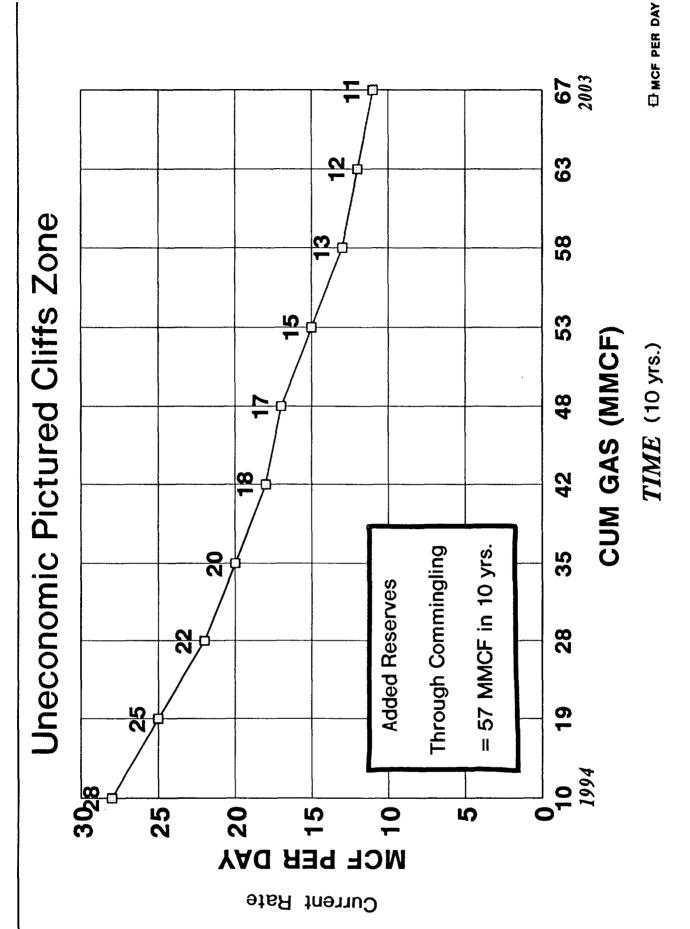
EXHIBIT NO. 8

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994

# STATE COM G 2A PC



BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 9

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994



RAY POWELL, M.S., D.V.M. COMMISSIONER

#### State of New Mexico Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760 FAX (505) 827-5766

July 27, 1994

Conoco, Inc. 10 Desta Drive Suite 100W Midland, Texas 79705-4500

Attention: Mr. Jerry Hoover

Re: Downhole Commingling Application

State Com G Well No. 2A
Unit J - Section 32-29N-08W
San Juan County, New Mexico

Dear Mr. Hoover:

Your application to downhole the production from within the wellbore of the above-captioned well was received on June 20, 1994. Your application requests our approval to downhole commingle the Blanco Mesaverde Pool production with the Blanco Pictured Cliffs production within the wellbore of the State Com G Well No. 2A, located in Unit Letter J, Section 32-29N-08W.

Since it appears that all the New Mexico Oil Conservation Division rules and regulations have been compiled with, and there will be no loss of revenue to the State of New Mexico as a result of your proposed operation, your request for downhole commingling is hereby approved. Any deviation from the substance of your request will be sufficient grounds for rescinding our approval. Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Your filing fee in the amount of Thirty (\$30.00) Dollars has been received.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M. COMMISSIONER OF PUBLIC LANDS

BY: The FLOYD O. PRANDO, Director Oil/Gas and Minerals Division (505) 827-5744
RP/FOP/pm
Enclos.

cc: Reader File

BEFORE AN EXAMINER OF THE OIL CONSERVATION DIVISION

EXHIBIT NO. 10

CASE NO.: 11029

Submitted by: Conoco Inc.

Hearing Date: Sept 1, 1994