

DATE IN 8/12/02	SUSPENSE NA	ENGINEER WJ	LOGGED IN KW	TYPE AMEND DHC #1785	APP NO. 223137970
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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



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST 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
- [D] Other: Specify \_\_\_\_\_
- [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

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 AUG 12 2002  
 Oil Conservation Division

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

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

Yolanda Perez \_\_\_\_\_ Sr. Regulatory Analyst \_\_\_\_\_ 8/18/02  
 Print or Type Name Signature Title Date

yolanda.perez@conoco.com  
 e-mail Address



**Yolanda Perez**  
Sr. Regulatory Analyst  
San Juan Asset Team  
Exploration-Production USSA

**Conoco Inc.**  
600 N. Dairy Ashford, DU 3084  
Houston, TX 77079-6651  
(281) 293-1613 fax (281) 293-5090

August 8, 2002

New Mexico Oil Conservation Division  
1220 So. St. Francis Drive  
Santa Fe, NM 87505

Attention: David Catanach

**RE: Amend DHC Order #1785  
Jicarilla "B" No. 9A  
API No. 30-039-06327  
Unit D, Sec. 26, T26N, R4W  
Rio Arriba County, New Mexico**

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AUG 12 2002

Oil Conservation Division

Dear Mr. Catanach,

Conoco Inc. is submitting the attached form C107A, along with supporting documentation, to amend the above-mentioned DHC Order. A copy of the Administrative Order DHC-11785 is also enclosed. Conoco now wishes to DHC the Blanco Mesaverde (72319) and Basin Dakota (71599) pools only and eliminate the Tapacito Pictured Cliffs (85920). This is a pre-approved pool combination. Interest owners are identical in both pools.

If you have any questions and/or comments, please call me at (281) 293-1613 or email [yolanda.perez@conoco.com](mailto:yolanda.perez@conoco.com).

Sincerely,

Yolanda Perez  
Sr. Regulatory Analyst  
Lobo/San Juan Asset

Enclosures

District I  
1625 N. French Drive, Hobbs, NM 68240

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

Established Pre-Approved Pools

EXISTING WELLBORE

Yes  No

**APPLICATION FOR DOWNHOLE COMMINGLING**

Conoco Inc. P. O. Box 2197, DU 3084 Houston, TX 77252-2197  
Operator Address

JICARILLA B 9A D, Sec. 26, T26N, R4W RIO ARRIBA  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 005073 Property Code 18018 API No. 30-039-06327 Lease Type  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco Mesaverde		Wildhorse Dakota
Pool Code	72319		64300
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5663-5758'		7725-8000'
Method of Production (Flowing or Artificial Lift)	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)	450		750
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1245 BTU/SCF		1310 BTU/SCF
Producing, Shut-in or New Zone	Producing		Producing
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: 02/01/1998 Rates: 43 MCFPD	Date: / /0000 Rates:	Date: 02/01/1998 Rates: 85 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or part production, supporting data or explanation will be required.)	Oil 90 % Gas 34 %	Oil % Gas %	Oil 10 % Gas 66 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones?  
If not, have all working royalty and overriding royalty interest owners been notified by certified mail? Yes  No   
Yes  No

Are all produced fluids from all commingling zones compatible with each other? Yes  No

Will commingling decrease the value of production? Yes  No

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  No

NMOCD Reference Case No. applicable to this well: Administrative Order DHC-1785

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 Yolanda Perez TITLE Sr. Regulatory Analyst DATE 08/08/2002

TYPE OR PRINT NAME Yolanda Perez TELEPHONE NO. (281)293-1613

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

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 30-039-06327		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 18018		5 Property Name Jicarilla B			6 Well Number #9A
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6886'

10 Surface Location

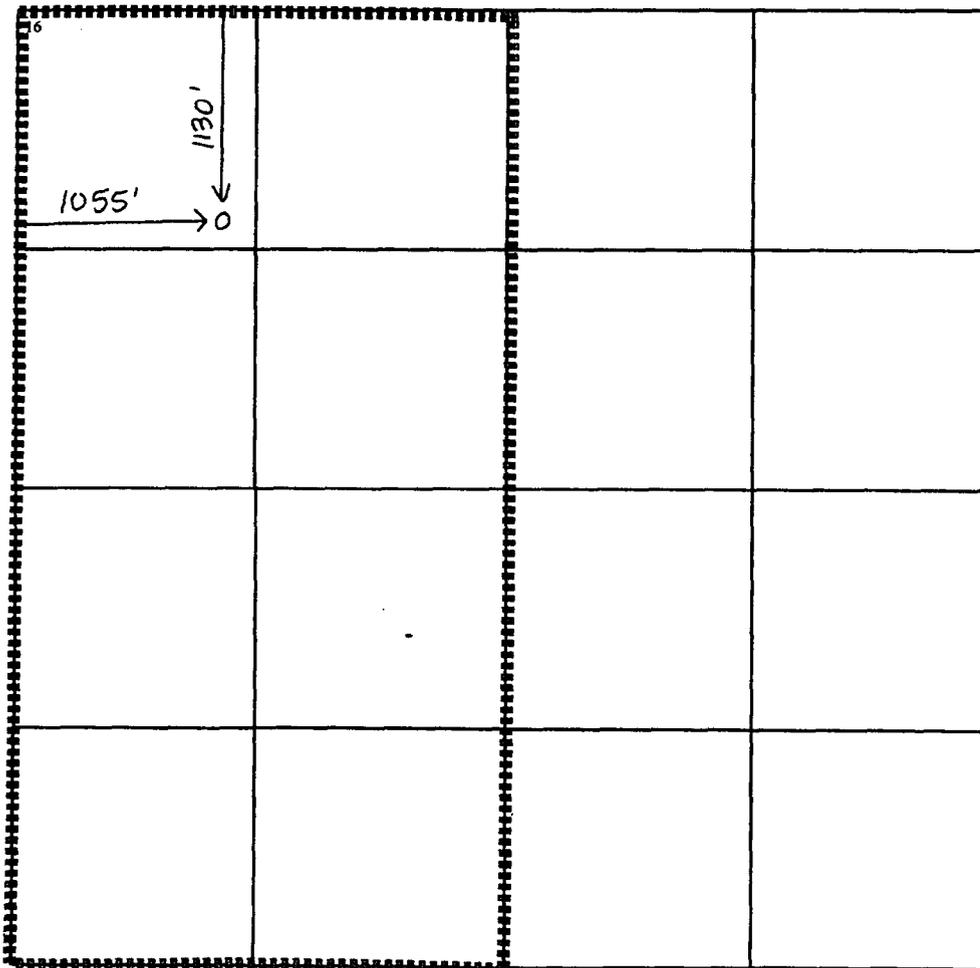
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	26N	4w		1130	North	1055	West	Rio Arriba

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 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



**17 OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Kay Maddox*  
Signature  
Kay Maddox  
Printed Name  
Regulatory Agent  
Title  
December 8, 1997  
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 Surveyor:  
Certificate Number

District I  
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Revised February 21, 1994  
instructions on back

District II  
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

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

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327		2 Pool Code 64300		3 Pool Name Wildhorse Dakota	
4 Property Code 18018		5 Property Name Jicarilla B			6 Well Number #9A
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6886'

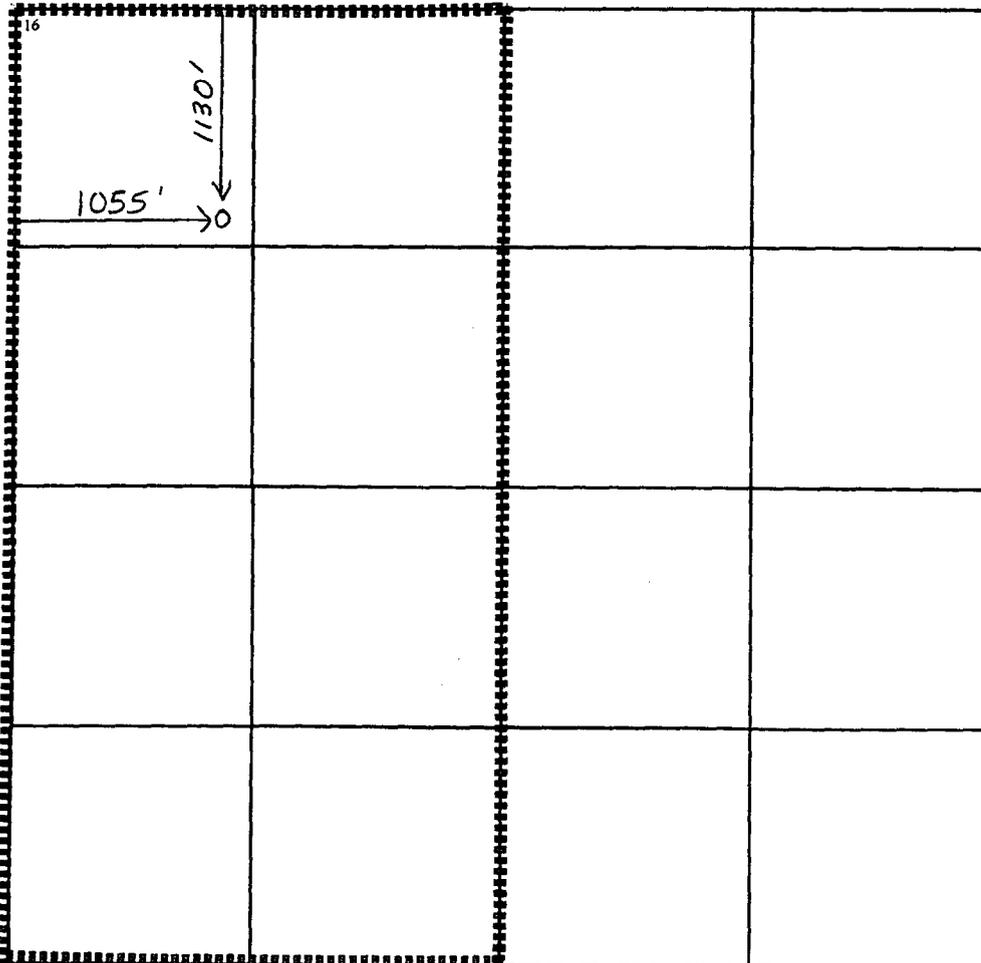
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	26N	4w		1130	North	1055	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 320		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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Kay Maddox*  
Signature

Kay Maddox  
Printed Name  
Regulatory Agent  
Title

December 8, 1997  
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 Surveyor:

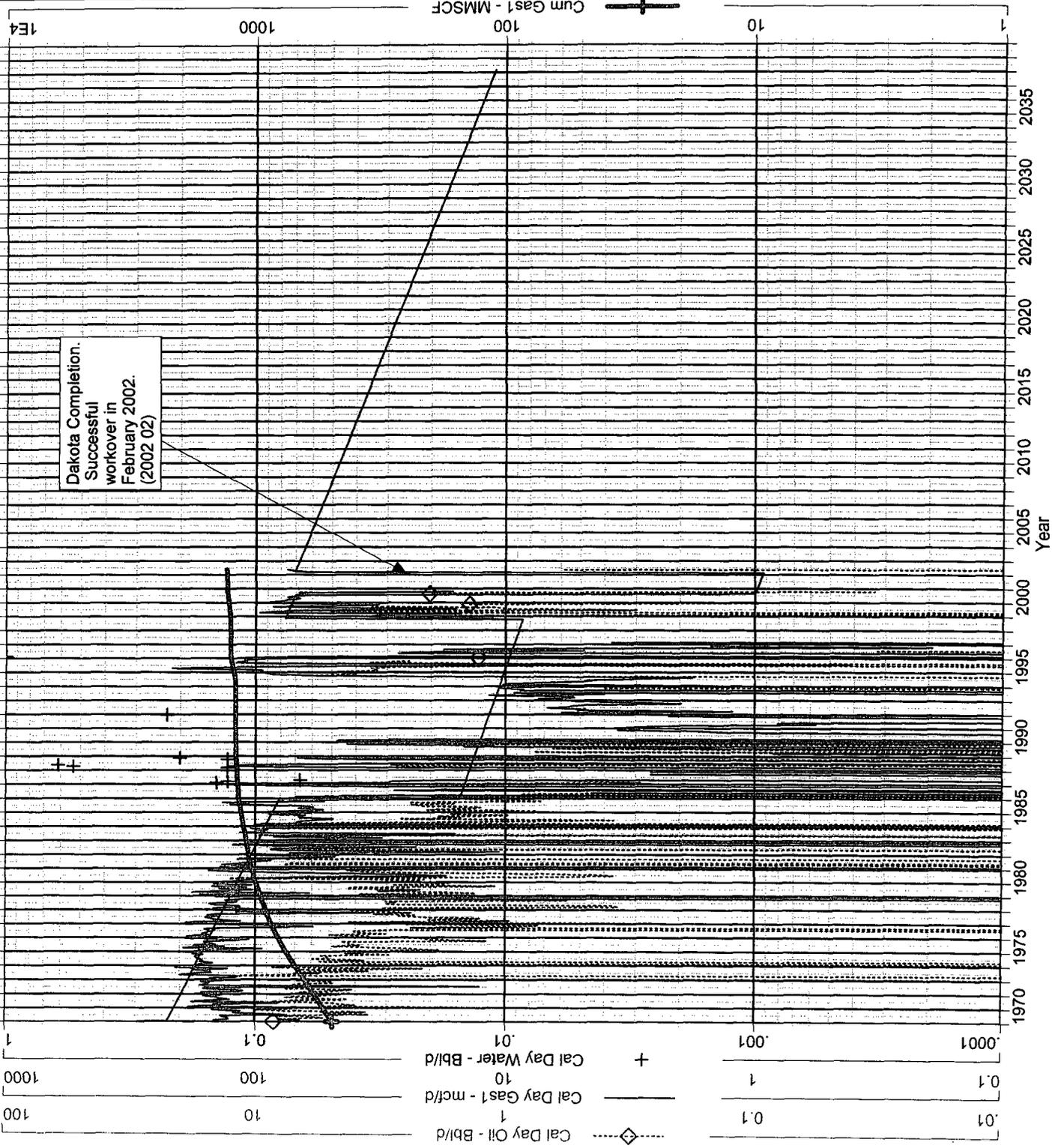
Certificate Number

JICARILLA B - 9A\_DK (1884862) Data: Jan. 1970-May 2002

Operator: CONOCO INC  
 Field: WILD HORSE (DAKOTA) DK  
 Zone: DAKOTA  
 Type: Gas  
 Group: None

Cal Day Gas FC 1 (Rate-Time)  
 qi: 223.692 mcf/d, Jan, 1970  
 qf: 11.0223 mcf/d, Mar, 2038  
 di(Exp): 6.20625 CTD: 1302.3 MMSCF  
 RR: 413.777 MMSCF Tot: 1716.07 MMSCF

Production Cumts  
 Oil: 66.762 MSTB  
 Gas: 1302.3 MMSCF  
 Water: 0.126 MSTB  
 Cond: 0.522 MSTB



Cal Day Oil - Bbl/d  
 Cum: 66.762 MSTB  
 Cal Day Gas1 - mcf/d  
 Cum: 1302.3 MMSCF  
 Cal Day Gas FC 1 - mcf/d  
 versus time  
 Qi: 223.692 mcf/d, Jan, 1970  
 Qf: 11.0223 mcf/d, Mar, 2038  
 Di:(Exponential) : 6.20625  
 RR: 413.777 MMSCF  
 EUR: 1716.07 MMSCF  
 Corr coeff: N/A  
 Cal Day Water - Bbl/d  
 Cum: 0.126 MSTB  
 Cum Gas1 - MMSCF  
 Cum: 0

# JICARILLA B - 9A\_MV (1884873) Data: Jun. 1995-May.2002

Operator: CONOCO INC  
 Field: BLANCO (MESAVEERDE) MV  
 Zone: MESAVEERDE  
 Type: Other  
 Group: None

Cal Day Gas FC 1 (Rate-Time)  
 qi: 73.0527 mcf/d, Jun, 1995  
 qf: 9.00627 mcf/d, Sep, 2026  
 di(Hyp): 18.4764 CTD: 79.8962 MMSCF  
 RR: 156.555 MMSCF Tot: 236.452 MMSCF

Production Cums  
 Oil: 0.478 MSTB  
 Gas: 79.8962 MMSCF  
 Water: 0.066 MSTB  
 Cond: 0 MSTB

◆ Cal Day Oil - Bbl/d

Cum: 0.478 MSTB

— Cal Day Gas1 - mcf/d

Cum: 79.8962 MMSCF

⊖ Cal Day Gas FC 1 - mcf/d

versus time

Qi: 73.0527 mcf/d, Jun, 1995

Qf: 9.00627 mcf/d, Sep, 2026

Di(Hyperbolic) : 18.4764

ri: 1.2

RR: 156.555 MMSCF

EUR: 236.452 MMSCF

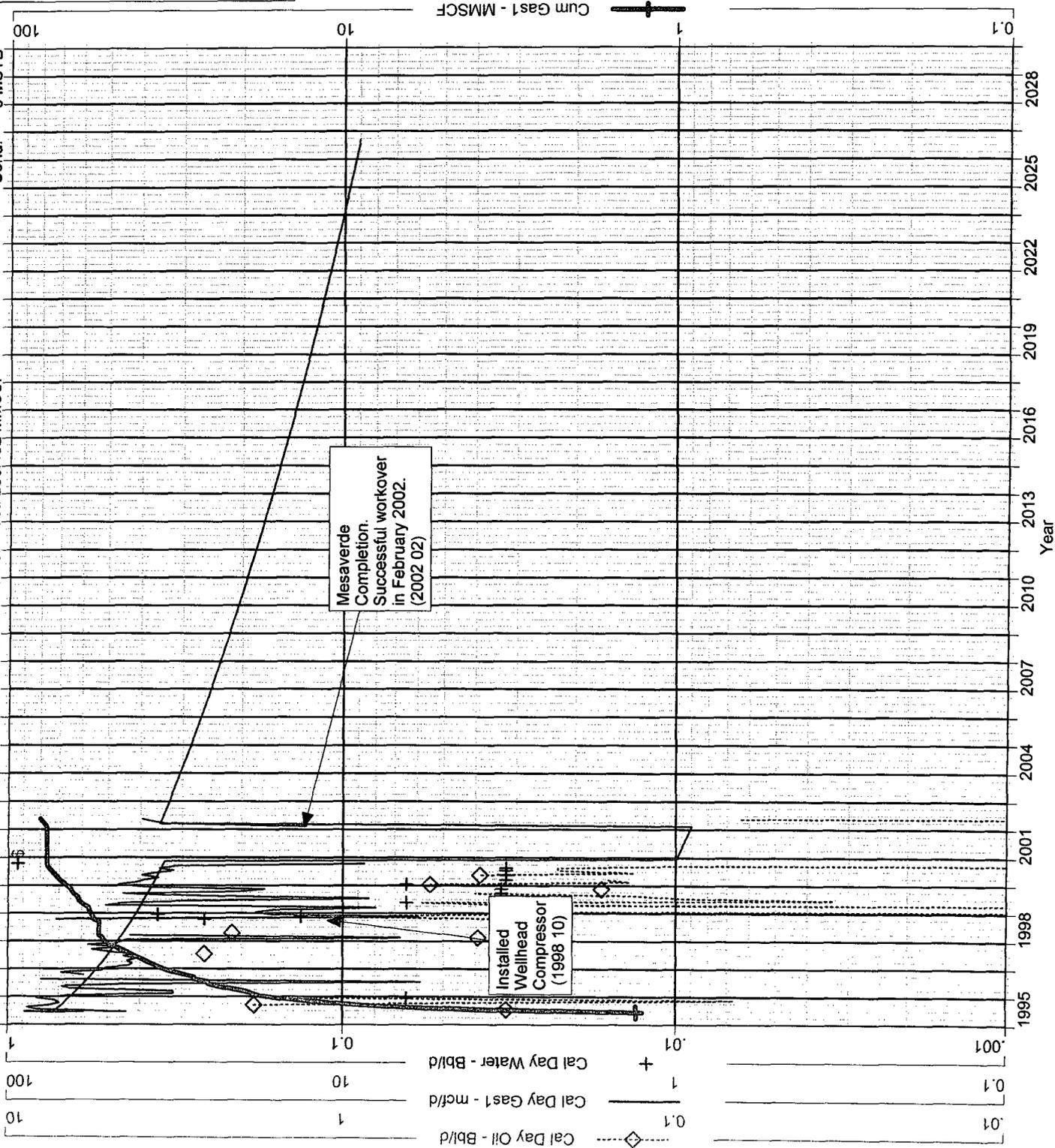
Corr coeff: N/A

+ Cal Day Water - Bbl/d

Cum: 0.066 MSTB

⊕ Cum Gas1 - MMSCF

Cum: 0





NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

*DJ W*

ADMINISTRATIVE ORDER DHC-1785

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

RECEIVED  
FEB 27 1998

Attention: Ms. Kay Maddox

OIL CON. DIV.  
DIST. 3

*Jicarilla "B" Well No. 9A  
API No. 30-039-06327  
Unit D, Section 26, Township 26 North, Range 4 West, NMPM,  
Rio Arriba County, New Mexico.  
Blanco-Mesaverde (Prorated Gas - 72319),  
Tapacito-Pictured Cliffs (Prorated Gas - 85920) and  
Wildhorse-Dakota (Oil-64300) Pools*

Dear Ms. Maddox:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Tapacito-Pictured Cliffs Gas Pool	Gas 16%	Oil 0%
Blanco-Mesaverde Gas Pool	Gas 29%	Oil 10%
Wildhorse-Dakota Pool	Gas 55%	Oil 90%

Administrative Order DHC-1785

Conoco Inc.

February 24, 1998

Page 2

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REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 24th day of February, 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
LORI WROTENBERY  
Director

SEAL

LW/DRC

cc: Oil Conservation Division - Aztec /  
Bureau of Land Management-Farmington