					· A					·
7	7.	0		10.	10-				1:11	NAC
PEATEIN 61	70	14 (A	SUSPENSE 7	// 0	7 (ENGINEER	DC	LOGGED BY	MV	TYPE DIT
<u> </u>										

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -ADMINISTRATIVE APPLICATION COVERSHEE THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS **Application Acronyms:** [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [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] 1612 Location - Spacing Unit - Directional Drilling O SD □ NSL □ NSP Check One Only for [B] and [C] Commingling - Storage - Measurement B □ PLC ☐ PC DHC DHC \Box CTB OLS [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery □ WFX \square PMX ☐ IPI ☐ EOR \square PPR [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners [A] (B) Offset Operators, Leaseholders or Surface Owner ☐ 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 - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all 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, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Jerry W. Hoover
Print or Type Name

Sr. Conservation Coordinator 6-13-97

Title

Date

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Department Form C-107-A New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 87505-6429

APPROVAL	ROCESS
Administrative	Hearing

DISTRICT II 811 South First St., Artesia, NM 88210-2835

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

AdministrativeF	learing
EXISTING WELL	BORE
⊠ lyes	\square_{NO}

Conoco Inc.	10 Addres	Desta Dr., Ste 100W, Midland	I, TX 79705-4500	
Jicarilla K	. 11	E-2-T25N-R5W	Rio Arriba	
OGRID NO. 005073 Property Cod	10000		Unit Lease Types: (check 1 or more)	
The following facts are submitted in support of downhole commingling:	Upper Zone	intermediate Zone	Lower Zone	
1. Pool Name and Pool Code	Otero Chacra 82329	Blanco Mesa Verde 72319	Basin Dakota 71599	
2. TOP and Bottom of Pay Section (Perforations)	Proposed 3873-3899'	Proposed 5008-5299' OA	Current 7186-7408'-OA	
3. Type of production (Oil or Gas)	Gas	Gas	Gas	
Method of Production (Flowing or Artificial Lilt)	To Flow	To Flow	Flowing	
5. Bottom hole Pressure	a (Current)	a.	a.	
Oil Zones - Artificial Lift: Estimated Current	857 PSIA	870 PSIA	695 PSIA	
Gas & Oil - Flowing: Measured Current	b (Original)	b.	b.	
All Gas Zones: Estimated Or Measured Original	960 PSIA	1123 PSIA	2273 PSIA	
6. Oil Gravity (°API) or	1192-BTU	1265 - BTU		
Gas BTU Content	(Jic. K 18,2M-25N-5W)	(Jic. K-22,2M-25N-5W)	1266-BTU	
7. Producing or Shut-In?	To be completed	To Be Completed	Producing	
Production Marginal? (yes or no)	Expected to be	Expected To Be	Yes	
If Shut-In give date and oil/gas/ water rates of last production	Date Rates	Date Rates:	Date Rates	
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.				
If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Split Chacra & Mesa Rates Verde by percentages	Rates Verde by percentages	Date Mid-year average Rates rates -	
A F	below after subtraction	below after subtraction	see table	
8. Fixed Percentage Allocation Formula -% for each zone	0 % 43 %	100 % 57 %	% %	
	orting data and/or explaining n	nethod and providing rate proje	ections or other required data.	
If not, have all working, overri Have all offset operators been	iding, and royalty interests bee given written notice of the prop	n notified by certified mail? posed downhole commingling?		
	ed, and will the allocation formu	la be reliable. X Yes	No (If No, attach explanation)	
12. Are all produced fluids from a		 -		
13. Will the value of production be		 ;		
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes No				
15. NMOCD Reference Cases for	Rule 303(D) Exceptions:	ORDER NO(S).		
16. 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 all offset operators. * Notification list of working, overriding and royalty interests for uncommon interest cases. * Any additional statements, data, or documents required to support commingling.				
I hereby certify that the information above is true and complete to the best of my knowledge and belief.				
SIGNATURE JOHN	Hoover	TITLE Sr. Conservation Coon	d. DATE 6/13/97	
TYPE OR PRINT NAME Jerry W.	Hoover	TELEPHONE NO.	(915) 686-6548	

WELL LOCATION AND ACERAGE DEDICATION PLAT

		All dis	itances must be	from the o	uter bound	ories of the S	ection	· • • • • • • • • • • • • • • • • • • •	
Operator .				Lease				Well No.	11
SOUTH	ien union pi	RODUCTION	COMPANY		JICARI	LLA "K"		1	17
Unit Letter	Section	Township		Range	!	County			
E	2	i:	25 NORTH	i	5 WEST		RIO ARRIE	BA	
Actual Footage L	ocation of Well:		,						
1455	feet from the	NORTH	line anu	1045	5	feet from th	e WEST	line	
Ground Level Elen	. Producing	Formation	· —	Pool				Dedicated Avereog	e: (318.8)
6634)	DAKOTA	·····	<u> </u>	BASIN	DAKOTA		N/2 Sec. 2	Acres
	ne acerage dedica	ited to the su	hiert well hu	colored pe	encil or b	achure mark	cs on the plat	below	

- 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),
- 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

() Yes	() No	If answer is "yes," type of consolidation	
---	-------	---	------	---	--

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forcedpooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

JICARILLA APACHE N

SCALE-4 INCHES EQUALS 1 MILE

BAN JUAN ENGINEERING COMPANY. FARMINGTON, N. M.

CERTIFICATION

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

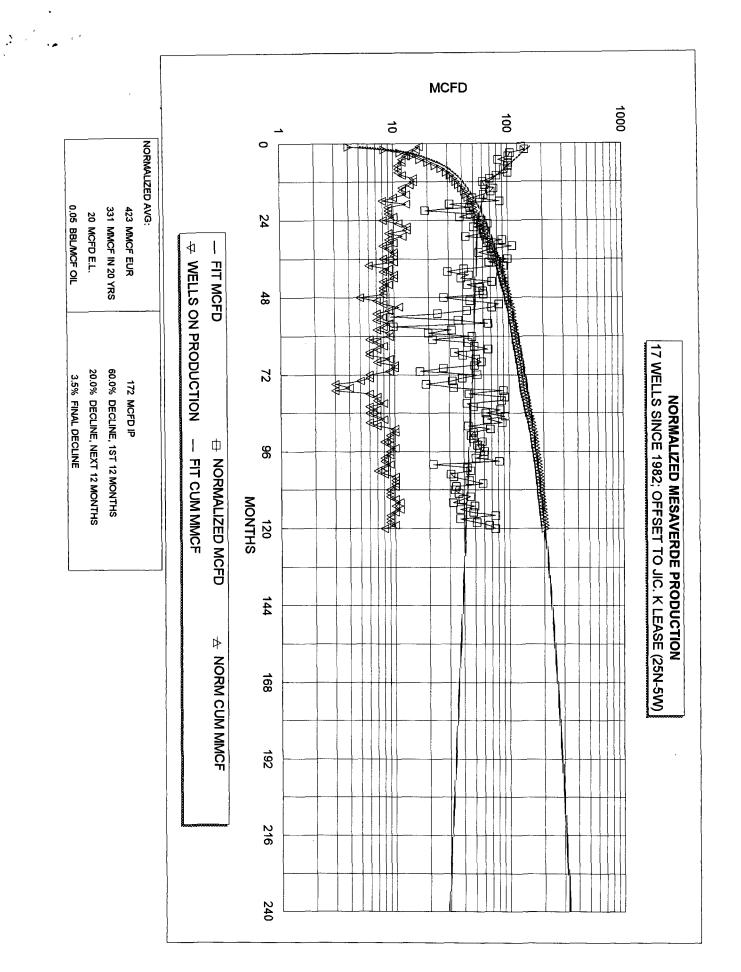
ORIGINAL SIGNED BY B. R. VANDERSLICE Bill Vanderslice Position Area Superintendent Company Southern Union Production Co. Date October 9, 1969

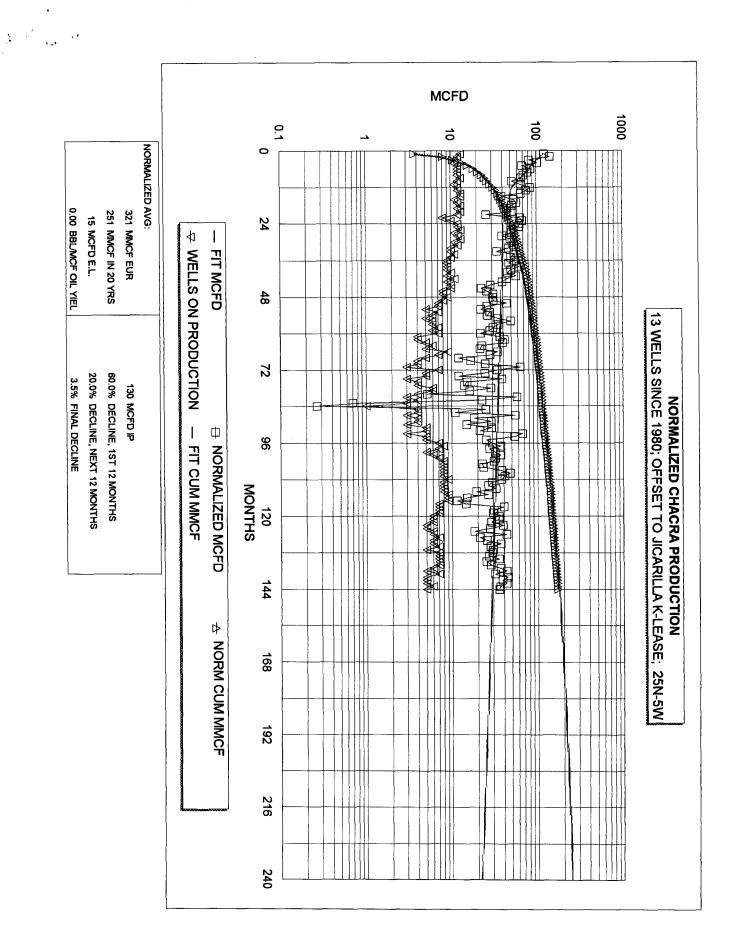
I hereby certify that the well location shown on this plat was plotted from field notes of surveys made by me or under my supervision, and that the same is true and correct to the best knowledge and belief.

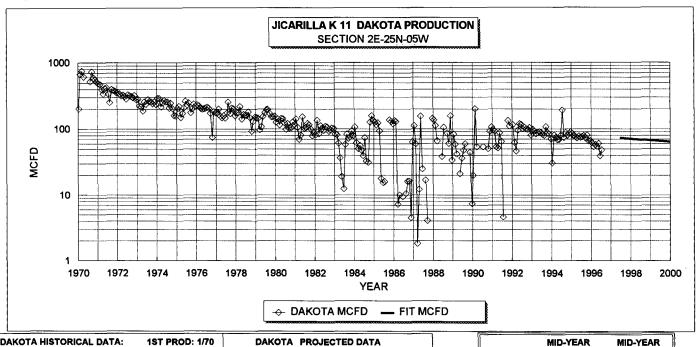
James Par Leese

1463

Certificate No.







 DAKOTA HISTORICAL DATA:
 1ST PROD: 1/70
 DAKOTA PROJECTED DATA

 OIL CUM:
 12.89 MBO
 6/1/97 Qi:
 73 MCFD

 GAS CUM:
 1353.1 MMCF
 DECLINE RATE:
 5.0% (EXPONENTIAL)

 CUM OIL YIELD
 0.0095 BBL/MCF

OIL YIELD:

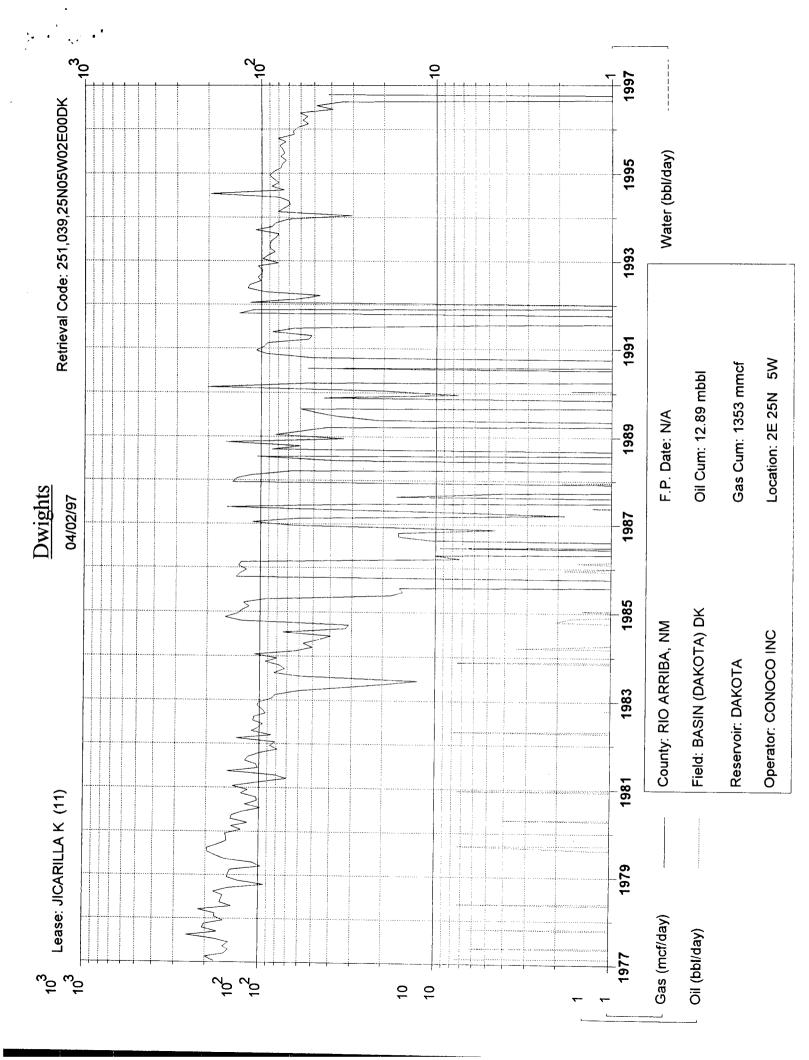
0.0023 BBL/MCF, LAST 3 YRS

AVG. USED:

0.0059 BBL/MCF

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

YEAR	AVG. MCFD	AVG. BOPD
1996	72	0.4
1997	69	0.4
1998	65	0.4
1999	62	0.4
2000	59	0.3
2001	56	0.3
2002	53	0.3
2003	51	0.3
2004	48	0.3
2005	46	0.3
2006	43	0.3
2007	41	0.2
2008	39	0.2
2009	37	0.2
2010	35	0.2
2011	34	0.2
2012	32	0.2
2013	30	0.2
2014	29	0.2
2015	27	0.2
2016	26	0.2
2017	25	0.1
2018	23	0.1
2019	22	0.1
2020	21	0.1
2021	20	0.1
2022	19	0.1
2023	18	0.1
2024	17	0.1
2025	16	0.1
2026	16	0.1
2027	15	0.1
2028	14	0.1
2029	13	0.1
2030	13	0.1



JICARILLA K #11 OFFSET OPERATORS

MARATHON OIL CO	BURLINGTON RESOURCES	BURLINGTON RESOURCES UNION TEXAS PETR.
34	35	36
	T26N R5W	
AMOCO PROD.	CONOCO, INC. T25N R5W MERIT ENERGY CORP.	CONOCO, INC.
	KAPT TO THE TAXABLE PARTY OF THE PARTY OF TH	
3	2	1
AMOCO PROD.	CONOCO, INC. MERIT ENERGY CORP.	CONOCO, INC.
10	11	12

Township 25N -- Range 5W

Conoco, Inc.

\$ 2 mg

Form C-107-A, Application for Downhole Commingling

Filing date: June 13, 1997

Offset Operators for Wells as listed below:

Jicarilla K, Well #II
Marathon Oil Co.
Burlington Resources
Amoco Production Co.

Jicarilla K, Well #17
Burlinton Resources
Amoco Production

Jicarilla K, Well #16
Burlington Resources
Amoco Production

Newsom, Well #17E Amoco Production Snyder Oil Co. Robert R. Click

Jicarilla K, Well #I5E Burlington Resources

Jicarilla E, Well #10
Burlington Resources

Jicarilla E, Well #12 Burlington Resources

Federal, Well #13E Burlington Resources Caulkins Oil Co.

AXI Apache J, Well #18A Amoco Production Elm Ridge Resources

Federal, Well #IIE
Caulkins Oil Co.
Amoco Production
Burlington Resources

Reames COM, Well #2 Caulkins Oil Co. Burlington Resources Conoco, Inc.

Form C-I07-A, Application for Downhole Commingling

Filing Date: June 13, 1997

Address List for Offset Operators

RE: Jicarilla K, Well #11, Jacarilla K, Well #17, Jicarilla K, Well #16, Newsom, Well #17E, Jicarilla K, Well #15E, Jicarilla E, Well #10, Jicarilla E, Well #12, Federal, Well 313E, AXI Apache J, Well #18A, Federal, Well #11E, Reames COM, Well #2

Marathon Oil Co., Box 552, Midland, Texas 79702

Burlington Resources, c/o Meridian Oil, Inc., Box 5l8l0, Midland, Texas 797l6-l8l0

Amoco Production Co., Exploration & Production Sector, Box 489l, Houston, Texas 772l0

Caulkins Oil Co., Box 340, Bloomfield, NM 874l3

Elm Ridge Resources, Box 3946, Farmington, NM 87499

Snyder Oil Co., no longer an operator in the New Mexico Aztec District as per District Office.

Robert R. Click, no longer an operator in the New Mexico Aztec District as per District Office.

P 497 368 595

US Postal Service Receipt for Certified Mail

Amoco Production Co. Expl. & Prod. Sector Box 4891 Houston, Texas 77210

	Postage	\$ 1.93
	Certified Fee	1.35
	Special Delivery Fee	
	Restricted Delivery Fee	
April 1995	Return Receipt Showing to Whom & Date Delivered	1.10
Apri	Return Receipt Showing to Whom, Date, & Addressee's Address	
800	TOTAL Postage & Fees	\$ 4.38
E	Postmark or Date	
2 Form 3800	6-18	-97

P 497 368 594

US Postal Service Receipt for Certified Mail

Burlington Resources c/o Meridian Oil, Inc. Box 51810 Midland, Texas 79710-1810

	Postage	\$ 2.90
	Certified Fee	1.35
	Special Delivery Fee	
	Restricted Delivery Fee	
April 1995	Return Receipt Showing to Whom & Date Delivered	1.10
Apri	Return Receipt Showing to Whom, Date, & Addressee's Address	
3800	TOTAL Postage & Fees	\$ 5.35
PS Form 3	Postmark or Date	-97

P 497 368 597

US Postal Service

Receipt for Certified Mail

Elm Ridge Resources Box 3946 Farmington, NM 87499

	Postage	\$.78
	Certified Fee	1.35
	Special Delivery Fee	
10	Restricted Delivery Fee	·
April 1995	Return Receipt Showing to Whom & Date Delivered	1.10
Apri	Return Receipt Showing to Whom, Date, & Addressee's Address	
Form 3800	TOTAL Postage & Fees	\$ 3.23
E	Postmark or Date	
PS Fon	6-18	-97

P 497 368 593

US Postal Service Receipt for Certified Mail

Marathon Oil Co. Box 552 Midland, Texas 79702

[Postage	\$.78					
Ī	Certified Fee	\$.78 1.35					
	Special Delivery Fee						
	Restricted Delivery Fee						
1996	Return Receipt Showing to Whom & Date Delivered	1.10					
April	Return Receipt Showing to Whom, Date, & Addressee's Address						
900	TOTAL Postage & Fees	\$ 3.23					
PS Form 3800, April 1995	Postmark or Date 6-18-97						

P 497 368 596

US Postal Service

Receipt for Certified Mail

Caulkins Oil Co. Box 340 Bloomfield, NM 87413

	Postage	\$ 1.24
April 1995	Certified Fee	\$ 1.24 1.35
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to Whom & Date Delivered	1.10
	Return Receipt Showing to Whom, Date, & Addressee's Address	
800	TOTAL Postage & Fees	\$ 3.49
3	Postmark or Date 6-18-97	
PS Form 3800		
8		

Conoco, Inc.

Form C-I07-A, Application for Downhole Commingling

Filing date: June 13, 1997

Offset Operators for Wells as listed below:

Jicarilla K, Well #!

Marathon Oil Co.

Burlington Resources

Amoco Production Co.

Jicarilla K, Well #7
Burlinton Resources
Amoco Production

Jicarilla K, Well #16
Burlington Resources
Amoco Production

Newsom, Well #7E
Amoco Production
Snyder Oil Co. (no longer an operator in Aztec District)
Robert R. Click (no longer an operator in Aztec District)

Jicarilla K, Well #15E Burlington Resources

Jicarilla E, Well #10
Burlington Resources

Jicarilla E, Well #12
Burlington Resources

Federal, Well #13E
Burlington Resources
Caulkins Oil Co.

AXI Apache J, Well #8A Amoco Production Elm Ridge Resources

Federal, Well #IIE
Caulkins Oil Co.
Amoco Production
Burlington Resources

Reames COM, Well #2 Caulkins Oil Co. Burlington Resources