### DISTRICT I

PO Box 1980, Hobbs, NM 88241 1980

State of New Mexico Energy, Minerals and Natural Rasources Department

Form C-107-A New 3-12-96

## OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

## BITRICT II

811 Southl First St. Artesia NM 88210 2835

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

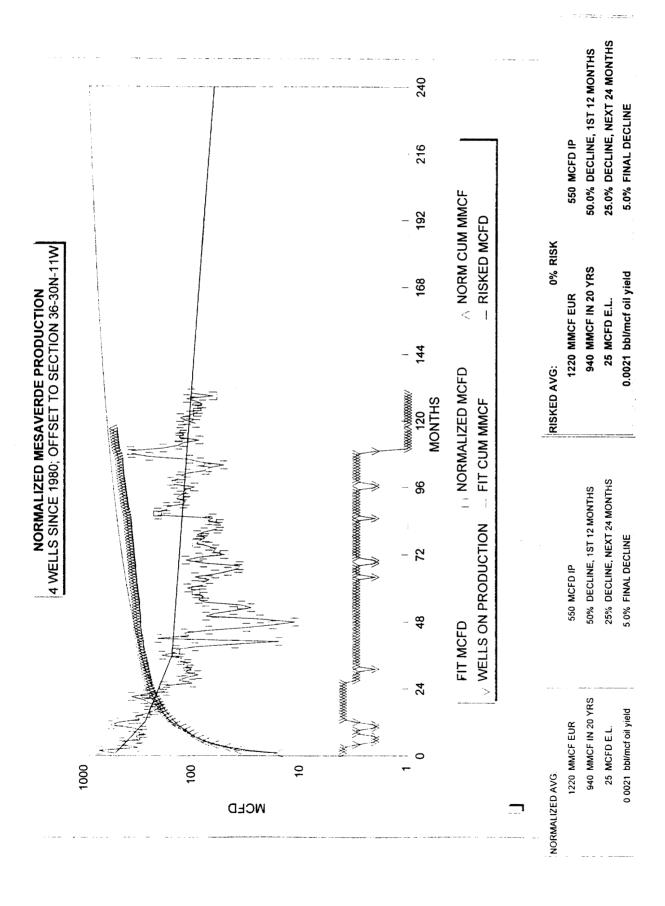
## APPLICATION FOR DOWNHOLE COMMINGLING

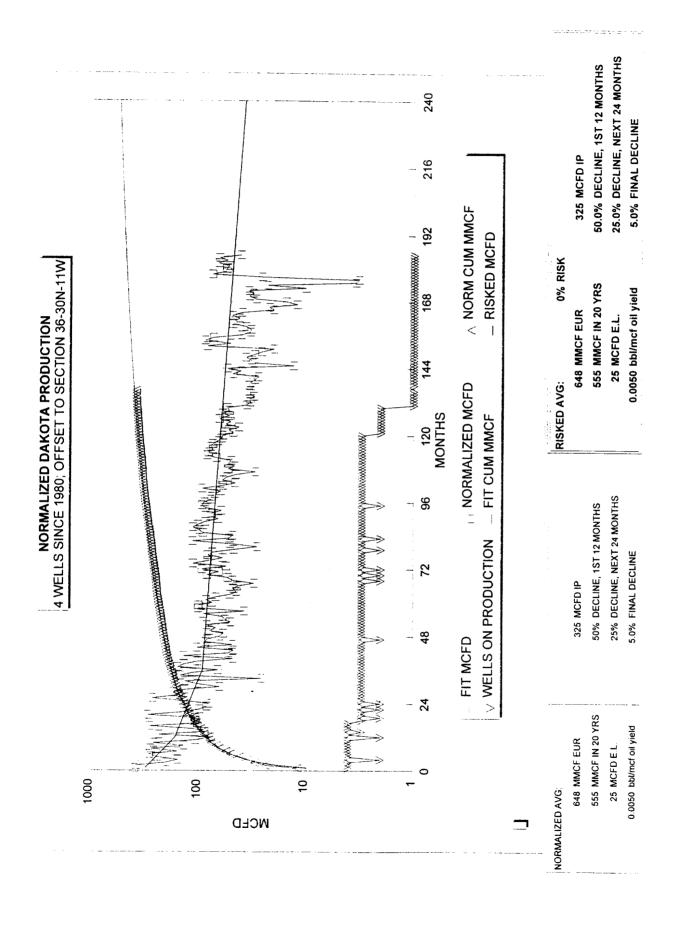
Administrative Hearing **EXISTING WELLBORE** YES NO

Conoco Inc.	10 Addre	Desta Dr. Ste 100W, Midland	l, Tx. 79705-4500
udwick LS	#18M	Section 6, T-29-N, R-10-W,	F San Juan
GRID NO. 005073 Property Cod		Spacing	Unit Lease Types: (check 1 or more)  . State (and/or) Fee
The following facts ate submitted in support of downhole comminging:	Upper Zone	intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4230-4830'		6755-6855'
3. Type of production (Oil or Gas)	Gas	Charge to gaste and a series of the control of the	Gas
4 Method of Production {Flowing or Artificial Lilt}	Expected Flowing	DECEIVED	Expected Flowing
5. Bottomhole Pressure Dil Zones - Artilicial Lift: Estimated Current Gas & Oil - Flowing: Measured Current	a (Current) 606 b(Original)	MAR 3 0 1993 D OL CON. DIV.	a. 766
All Gas Zones: Estimated Or Measured Original	1223	OIL CON. DIV.	2485
5. Oil Gravity (*API) or Gas BT Content 7. Producing or Shut-In?	1200 est		1200 est
Production Marginal? (yes or no)  If Shut-In give date and oil/gas/ water rates of Isst production  Iote For new zones with no production history pplicant shad be required to attach production stimates and supporting dara  If Producing, date and oil/gas/ water rates of recent test (within 60 days)	No  Date Rates  To be supplied upon completion	Date Rutus: Dale Rates	Yes  Date Rates  To be supplied upon completion
Fixed Percentage Allocation Formula -% or each zone	oit Gas	oil: Gas %	Oil Gas
D. Are all working, overriding, and If not, have all working, overriding, and Have all offset operators been  Will cross-flow occur? X Ye flowed production be recovered. Are all produced fluids from all will the value of production be	orting data and/or explaining not royalty interests identical in a ding, and royalty interests bee given written notice of the propes No If yes, are fluids coid, and will the allocation formul commingled zones compatible decreased by commingling?	nethod and providing rate projectly commingled zones? In notified by certified mail? It is notified by certified mail. It is notified by certified mail. It is notified by certified mail. It is notified by certi	x Yes No (If No, attach explanation Yes No S, attach explanation)
. NMOCD Reference Cases for F	Management has been notified	d in writing of this application.	X_Yes No
* Production curve for some with no property of a local to support allocal to the support of a Notification list of a Notification list of which we have the support of the	r each zone for at least one ye roduction history, estimated pi cation method or formula. Il offset operators. vorking, overriding and royalty	s spacing unit and acreage ded ar. (If not available, attach exp roduction rates and supporting y interests for uncommon intere uired to support commingling.	lanation.) data.
ereby certify that the information			
GNATURE Tay		TITLE Regulatory Agent	DATE
PE OR PRINT NAME Kay Madd	lox	TELEPHONE NO. (	(915) 686-5798

# APPLICATION FOR DOWNHOLE COMMINGLING Ludwick LS 18M (6F 29N 10W)

As shown in the attached production plot for offsets to the Ludwick LS 18M, estimated ultimate recoveries and initial production rates from infill wells to the Dakota formation are insufficient to justify drilling stand alone wells. Furthermore, production plots from each zone indicate a similar decline profile and a fixed allocation formula can be utilized. Upon completion, both zones will be tested and stabilized flow rates will be used to allocate production from each zone. This procedure is common practice in Burlington's 29-7 Unit and reference is made to Order R-10697 as it applies to downhole commingling of marginal zones and the allocation of production between such zones.





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Trathold III 1900 Ala Bolda Rd. Azten NM 87410

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

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Instructions on back Distructions of back Distruct Office State Lease - 4 Cobjes Fee Lease - 3 Copjes

0.9thpp:/// Pullback 2088 - Danca Fig. NM -87904-2088

AMENDED REPORT

	AP! NUMBS		YELL			D AC	REAGE DED				
			723	19 /		Bl	LANCO MESA	NEPSE / BOSEN.		DAKOI	ГА
*Proper	t/ Code					openty )WICH		*		* W	ell Number 18M
0050				·		erator OCO,	Name INC.			• 6	Elevation 5933
					<sup>10</sup> Surfa	ice L	ocation				
u se loca	a. Section		Pange	Lot Ion	Feet from	1	North/South line	Feet from the	East/We	est line	County
			.OW	11.7	1450		NORTH	1505	WE	ST	SAN JUA
UL or lot n	o. Section	11 Bot	Range	Hole L	Feet from		North/South line	From Sur	East/We	st line	County
<sup>12</sup> Cedicated Ad	cres				13 Joint	or Infill	<sup>14</sup> Consolidation Code	25 Order No.			
1296.24°	OWABLE W 2.32 1	1284.: 1000 1000 13		TO TH		ETION 544.	N UNTIL ALL	OPER 1 Provided Strategy Control of the Strategy Contr	EATOR  AATOR  Attry trat tre  bilete to tre  e  L. N  Name  ht-Of-	CERTI information best of my	FICATION a contained herein : knowledge and belie
////	9	18	//	6./	17 		16	Jate  Jack  SURV  I heregy cert  as plotted for order by s  correct to the  FEB  Date of  Signature and	RUARY Survey Seal of English	CERTI well location as of actual nd that the celuse.	to seem on this old in several made by the same is true and the same is
1094	.94	1203.	18 '		26	1 594. I	78 ·			en Chi	25

#### Estation (1997) Tally thereto

## SUBMIT IN TRIPLICATE.

(Other instructions on

FORM APPROVED
OMB NO. 1004-0136

UNITED STATES
DEPARTMENT OF THE INTERIOR

Expires February 28, 1995	
EASE DSIGNATION AND SERIAL NO	

		LAND MANA					SF 078	-
APPI	LICATION FOR P	ERMIT TO	DRII	L OR DEF	PFN	· · · · · · · · · · · · · · · · · · ·	6 IF INDIAN, ALLOTTEE	
Ta. 1 YPE OF WORK	RILL 🛛	DEEPEN					7 UNIT AGRREEMENT N	
2. NAME OF OPERATOR	WELL OTHER			ONE X	MULTIP ZONE		8 FARM OR LEASE NAME WE	LL NO
2 Wille St. St. Eldt. GK	Conoco Inc.						LUDWICK L	S #18M
a. ADDRESS AND TELEPHONE N	0						9. API WELL NO	
10 Desta	Dr. Ste 430E, Midlan	d, Tx. 79705-4	500	015-6	86-5794			
4 LOCATION OF WE	LL (Report location clearly a	nd in accordance v	with any	State requiremen	ts *)	<u>'</u>	10. FIELD AND POOL, OF	
		1450' FNL	<b>&amp;</b> 150:	5' FWL			Blanco MV / Ba	
At proposed prod. zo	on e						AND SURVEY OR AR	EA.
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	1450' FNL	& 150	5' FWL			Sec. 6, T29N,	RIOW
	THE PROPERTY OF THE A	EST TOWN OR PO:	STOFIC	ۥ			12 COUNTY OR PARISH	13. STATE
5. DISTANCE FROM PROF	OSED*		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				San Juan	NM
LOCATION TO NEARE	ST		10 NO	OF ACRES IN LE	ASE	17. NO. OF TO TH	ACRES ASSIGNED	
8. DISTANCE FROM PRO	rlg. unit line, if Any) POSED LOCATION®		10.00	0.000			320	
TO NEAREST WELL, I OR APPLIED FOR, ON TI	DRILLING COMPLETED		19. PK	OPOSED DEPTH		20. ROTAR	Y OR CABLE TOOLS	
	hether DF, RT, GR, etc.)		L	7164'	<del></del>		Rotary	
·		5933' GR					22. APPROX. DATE WOR	K WILL START
. 3							4/15/9	8
CITE OF HOLE				CEMENTING PR	OGRAM			
12-1/4"	GRADE, SIZE OF CASING	WEIGHT PER FO	тот	SETTING DEP	TH		QUANTITY OF CEMEN	r
8-3/4"	K-55, 9-5/8"	36#		250'			135 sxs, circ.	
	K-55, 7"	23#		2618'			320 sxs, circ.	
6-1/4"	K-55, 4-1/2"	9.5#		6864'			460 sxs, toc @ 245	0'
t is proposed to drill	a vertical wellhore to the	Rlanco Mecau	arda ar	d Danie Dala	- ·			<del></del>

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. NOS was filed 2/21/98. The well will be drilled and equipped according to the following additional attachments:

- 1. Well Location & Acerage Dedication Plat (C-102).
- 2. Proposed Well Plan Outline.
- 3. Cementing Plan.
- 4. Blowout Preventer Hookup.
- 5. Surface Use Plan with Production Facility Layout.
- 6. Pipeline survey plat.

This application includes ROW's for the well pad, access road and pipeline.

SIONED ALL TAIL	Mike L. Mankin Right-of-Way Agent	 	March 3, 1998
(This space for Federal or State office use)			
PERMIT NO	APPROVAL DATE		
pplication approval does not warrant or certify that the applicant ho ONDITIONS OF APPROVAL IF ANY	olds legal or equitable title to those righs in the subject lease with	ch would optitle the seed of	
CONDITIONS OF APPROVAL, IF ANY	Jan Wall Conjust least Milk	or would entitle the applic	zant to conduct operation

Conoco, Inc. Ludwick LS #18M Section 6, T-29-N, R-10-W, F San Juan, New Mexico

RE: Application to Downhole Commingle (C-107A)

## **Notification Of Offset Operators:**

Dugan Production Corp. PO Box 420 Farmington, NM 87499-0420

Merrion Oil & Gas Corp. 610 Reilly Ave Farmington, NM 87401-2634

Amoco PO Box 800 Denver, CO 80201

Burlington Resources PO Box 4239 Houston, TX 77210-4239