OIL CONSERVATION DIVISION

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

- APPROVAL PROCESS. Administrative Hearing

BITRICT II

811 Southi First St. Artesia NM 88210 2835

TYPE OR PRINT NAME Kay Maddox

DISTRICT III 1000 Rio Brazos Rd Azles NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE TES NO

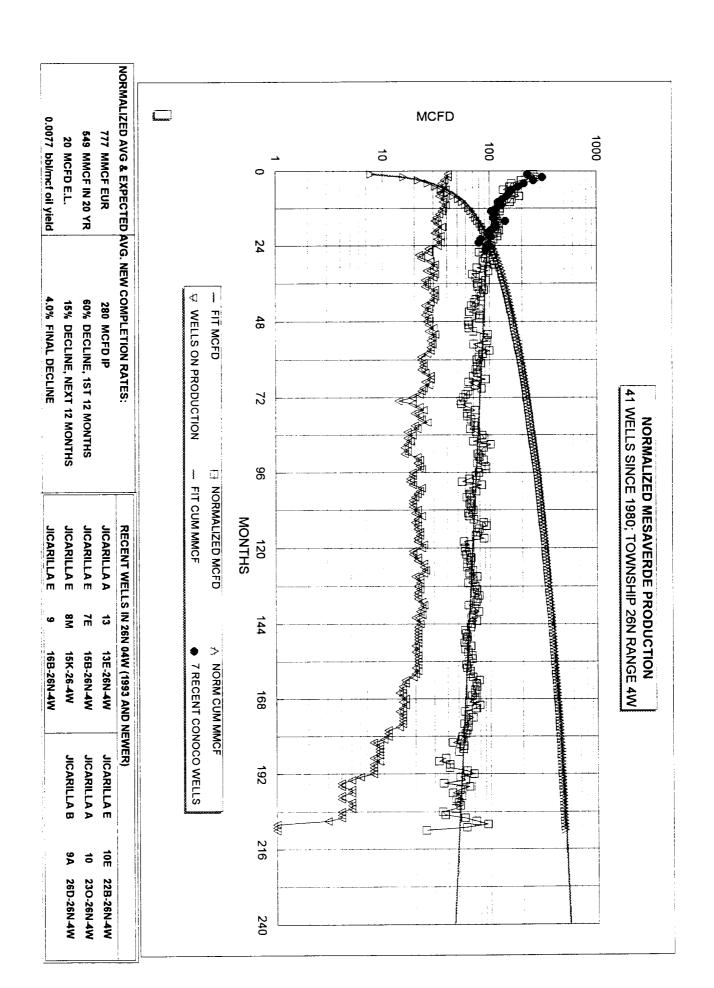
_TELEPHONE NO. (915) 686-5798

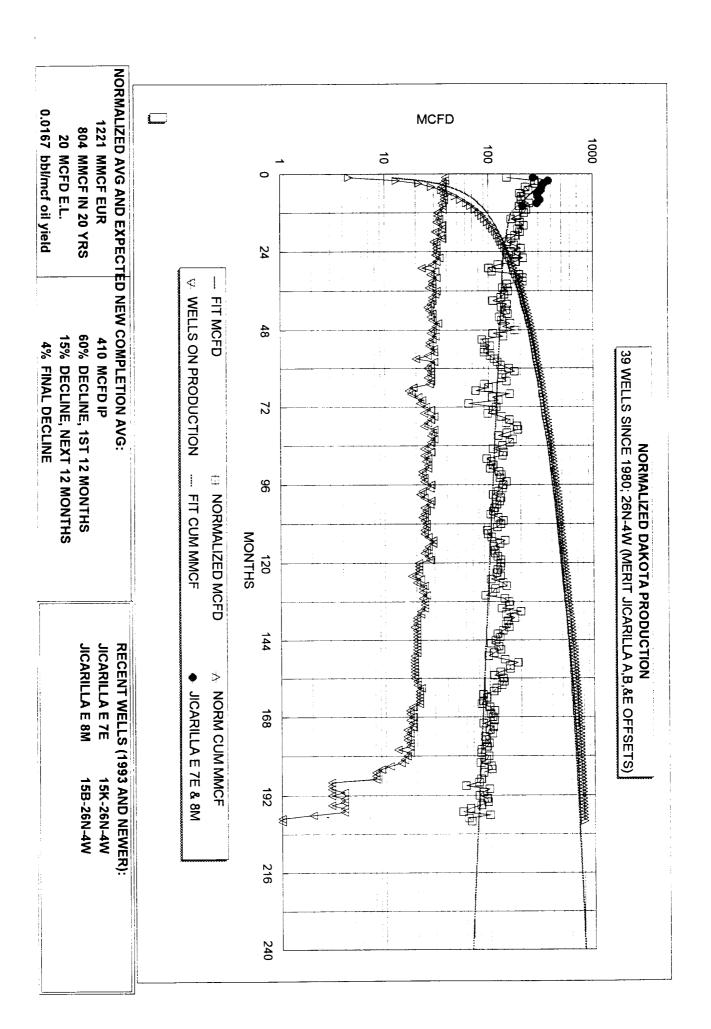
Conoco Inc.		Desta Dr. Ste 100W, Midland,	Tx. 79705-4500	_
Jicarilla E	Addres	Section 16, T-26-N, R-4-W, R	Rio Arriba	
OGRID NO 005073 Property Code		Spacing L	Jnil Lease Types (check for more) State (and/or) Fee	
The following facts are submitted in support of downhole comminging:	Upper Zone	intermediate Zone	Lower Zone	
1 Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599	
2 TOP and Bottom of Pay Section (Perforations)	5570-6038'		7625-7854'	
2 Type of production (Oil or Gas)	Gas		Gas	
4 Method of Production {Flowing or Artificial Lift}	To Flow		To Flow	
5 Boltomhole Pressure Oil Zones - Artilicial Lift Estimated Current Gas & Oil - Flowing	a (Current) 554	a.	a. 1092	
All Gas Zones Measured Current Estimated Or Measured Original	biOriginal)	b	2635	
5 Oil Gravity (*API) or Gas BT Content	1280		1332	
7 Producing or Shut-in?	To be Completed		To be Completed	
Production Marginal? (yes or no)	Yes (expected)		Yes (expected)	
If Shut-In give date and oil/gas/ water rates of lsst production	Date Rates	Date Rides	Date Rates	
Note For new zones with no production in Sterv applicant shad be required to attach production estimates and supporting taxa. If Producing. gate and oil/gas/ water rates of exent lest (within 60 days)	Date Anticipated 1st Yr average 183 MCFD, L4 BOPD	Dale Rains	Date Anticipated 1st Yr Average 268 MCFD, 4.5 BOPD	
3 Fixed Percentage Allocation Formula -% or each zone	on Gas	935 **	rial , Gas 4,	
10 Are all working, overriding, an	orting data and/or explaining i d royalty interests identical in	method and providing rate proje all commingled zones?	ased upon some other method ections or other required data. X Yes No Yes No Yes No	
	ed, and will the allocation form	ula be reliable. A Yes	No (If No, attach explanation)) -
12 Are all produced fluids from a			Yes No es, attach explanation)	and when he
13. Will the value of production be14. If this well is on, or community United States Bureau of Land	ized with state or federal land		Public Lands or the	-75
15. NMOCD Reference Cases for		ORDER NO(S)		INIEINI
* Production curve for For zones with no production support allow Notification list of a Notification list of	or each zone for at least one yoroduction history, estimated pecation method or formula. All offset operators. Working overriding and royal	its spacing unit and acreage de ear. (If not available, attach ex- production rates and supporting lty interests for uncommon inte- quired to support commingling	dication. DEGE APR rest cases.	1 1998 2 1 1998 11 10 10 10 10 10 10 10 10 10 10 10 10 1
I hereby certify that the information		e to the best of my knowledge a		Phys.
SIGNATURE THE MI	addex	TITLE Regulatory Agent	DATE 4/94/98	

APPLICATION FOR DOWNHOLE COMMINGLING

Jicarilla E 9M, Unit Letter G, Section 16-T26N-R4W Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla E 9M, estimated ultimate recoveries and initial production rates from infill wells to the Dakota and Mesaverde formations are clearly marginal in this area. Mesaverde estimated recoveries in particular do not justify drilling stand alone wells (549 MMCF recovery in 20 years, 777 MMCF ultimate recovery). Futhermore, 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 Conoco's 28-7 Unit and reference is made to Order R-10476-B as it applies to downhole commingling of marginal zones and the allocation of production between such zones.





UNITED STATES (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires February 28, 1995

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN TYPE OF WORK TYPE OF WORK TO SHELL ALL STANDARD OF OPERATOR CONCO INC. ACCOSS AND TREPPORE NO 10 Desta Dr. Ste 430E, Midland, TX. 79705-4500 11 SEC. T.R. M. OR BLK. Al proposed prod. zone 1675' FNL & 1845' FEL Al proposed prod. zone 1675' FNL & 1845' FEL 3. Sec. 16. T26N. R4W 10 STANCE FROM PROPOSED* LOCATION TO NEAREST INVEST. BIANCO BY ACRES IN LEASE 10 STANCE FROM PROPOSED* LOCATION TO NEAREST INVEST. BIANCO BY ACRES IN LEASE 10 STANCE FROM PROPOSED* LOCATION TO NEAREST INVEST. BIANCO BY ACRES IN LEASE 11 NO. OF ACRES ASSIGNED TO THIS WELL 320 11 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 12 COUNTY OR PARK BY 13 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GROWE SEC CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12-1/4" K-55, 9-5/8" 36# 300' 160 SXS, circ. 4-85 SXS, circ. 6-1/4" K-55, 7-1/2" 10.5# TO STANCE PROM PROPOSED DEPTH OF A STEND DEPTH OF A STE	BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN INTERIOR WILL OTHER OTHER NAME OF OPERATOR COnoco Inc. ACCRESS NO TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 10 FIELD AND POOL, OR WILDCA Blanco MV/Basin Dake 14 Stept 15 Sec. 16, T26N, R4W 10 DISTANCE FROM PROPOSED 10 DISTANCE FROM PROPOSED FROM NEAEST TOWN OR POST OFICE* 10 SUSTANCE FROM PROPOSED FROM NEAEST TOWN OR POST OFICE* 10 SUSTANCE FROM PROPOSED FROM NEAEST TOWN OR POST OFICE* 10 SUSTANCE FROM PROPOSED FROM NEAEST TOWN OR POST OFICE* 10 FIELD AND POOL, OR WILDCA AND SURVEY OR AREA 11 SEC. T. R. NO. OF ACRES IN LEASE 12 Sec. 16, T26N, R4W 13 SUSTANCE FROM PROPOSED FROM NEAEST TOWN OR POST OFICE* 14 DISTANCE FROM PROPOSED FROM NEAEST TOWN OR POST OFICE* 15 NOT THIS WELL 320 16 NO OF ACRES IN LEASE 17 NO OF ACRES ASSIGNED 18 SUBJECT FROM PROPOSED FROM NEAEST FROM PROPOSED FROM NEAEST FROM NE			T () L L L L L L L L L L	NITEDIAD		_		
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TYPE OF WELL ONLY OTHER	TYPE OF WELL GREEN GREEN		OMMORAL OILL		DIVILL OIL DEC	1 4.14		JICARIL	LA
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Ald proposed prod. zone 1675' FNL & 1845' FEL Sec. 16, T26N, R4W DISTANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE* 12 COUNTY OR PARISH RIO ARTISH R	All proposed prod. zone 1675' FNL & 1845' FEL Sec. 16, T26N, R4W DISTANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE* 12 COUNTY OR PARISH RIO Arriba N 5. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT ROPERTY OR LEASE LINE, FT TO THIS WELL 320 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FROM PRINIS LEASE, FT. 19. PROPOSED DEPTH ROTE OF ACRES ASSIGNED TO THIS WELL 320 ROTATY 19. PROPOSED DEPTH ROTATY OR CABLE TOOLS ROTATY ROTAT	At surface	L (Report location clearly a			11(3 -)	·		
1675' FNL & 1845' FEL Sec. 16. T26N, R4W	1675' FNL & 1845' FEL Sec. 16. T26N, R4W			10/3 1142	& 1843 T.L.L			AND SURVEY OR AR	LK. Ea
12 COUNTY OR PARISH 13. STATE Rio Artiba NM	13. STANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE* 12. COUNTY OR PARISH 13. STANCE FROM PROPOSED* 16 NO OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 320 10. STANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 70. NO. OF ACRES ASSIGNED TO THIS WELL 320 10. STANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS R	At proposed prod. zon	e	1675' FNL	& 1845' FEL			C 14 772 C	. D. 4337
Rio Arriba NM S. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drig, unit line, if Any) DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRACE SZECICASING WEIGHT PER FOOT WEIGHT PER F	Rio Artiba N S. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drig, unit line, if Any) DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRACE SZECICASING WEIGHT PER FOOT WEIGHT PER FOOT WEIGHT PER FOOT WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12-1/4" K-55, 9-5/8" 36# 300' 160 sxx, circ. 8-3/4" K-55, 7-1 23# 3883' 485 sxx,circ. 6-1/4" K-55, 4-1/2" 10.5# 7859' 400 sxx, toc @ 3700' is proposed to drill verical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools following the	DISTANCE IN MILES A	ND DIRECTION FROM NEA	EST TOWN OR PO	T OFICE.				
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PROPERTY OR LEASE LINE, FT (Also to nearest drig, unit line, if Any) 320	PROPERTY OR LEASE LINE, FT (Also to nearest drig, unit line, if Any) 320				16 NO OF ACRES IN LI	EASE	17. NO. OF		1414
19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH 21. APPROX. DATE WORK WILL ST 4/15/98 4/15/9	19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS Rotary	PROPERTY OR LEASE	LINE, FT.				то тн		
Rotary Steep Fig. Steep F	Rotary Steep For, on this lease, Ft. 8159' Rotary	DISTANCE FROM PROP	OSED LOCATION.		19. PROPOSED DEPTH		20. ROTAR		
SIZE OF HOLE GRADE SZECICASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT	SIZE OF HOLE GRACE SZECICASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT	OR APPLIED FOR, ON TH	RILLING, COMPLETED, IS LEASE, FT,		8159'			Rotary	
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SIZE OF HOLE	SIZE OF HOLE GRADE SZE GICASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT			6764' GR				4/15/9	8
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8-3/4" K-55, 7" 23# 3883' 485 sxs,circ. 6-1/4" K-55, 4-1/2" 10.5# 7859' 400 sxs, toc @ 3700'	8-3/4" K-55, 7" 23# 3883' 485 sxs,circ. 6-1/4" K-55, 4-1/2" 10.5# 7859' 400 sxs, toc @ 3700' is proposed to drill verical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools following the	12-1/4"	K-55, 9-5/8"	36#	300'			160 sxs. circ.	·
10.5%	t is proposed to drill verical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools following the	8-3/4"		23#	3883'	'			
is proposed to drill verical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools following the		6-1/4"	K-55, 4-1/2"	10.5#	7859'	,		400 sxs, toc @ 37	00'
equisition of sufficient production test data for allocation purposes. A downhole commingling application will be filed with the BI	annicial of a Citizat and dealer that date for all anxion numbers. A described assumingling and leading will be Cited with the 1	is proposed to drill						in Dakota Pools follo	wing the
	nd NMOCD prior to commingling. A NOS was filed 10/31/97. This well will drilled and equipped according to the following tachments:			was filed 10/31.	77. IIIIS WEIL WIII UI				UWILLE

- 4. Blowout Preventer Hookup.
- 5. Surface Use Plan with Production Facility Layout.
- 6. Pipeline survey plat.

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This application includes ROW's for the wellpad and access road.

116 4 12	(, / // · , .	176 aux	Mike L. Mankin Right-of-Way Agent	DATE	March 4, 1998
(This sp	ace for Federa	31 or State office USE)			
PERMIT N	10		APPROVAL DATE		
nocitacida	approvai does not	warrant or certify that the applicant h	olds legal or equitable title to those righs in the subject lease wh	nich would entitle the appli	cart to conduct operatio
		FANY			