State of New Mexico Energy, Minerals and Natural Rasources Department

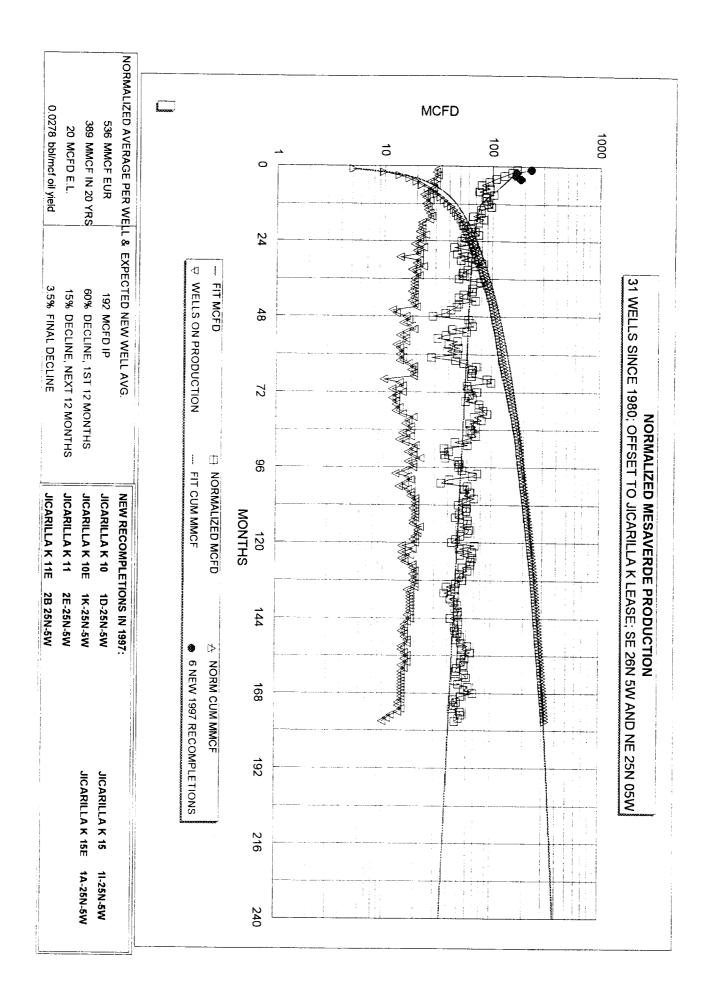
Form C-107-A ' New 3-12-96

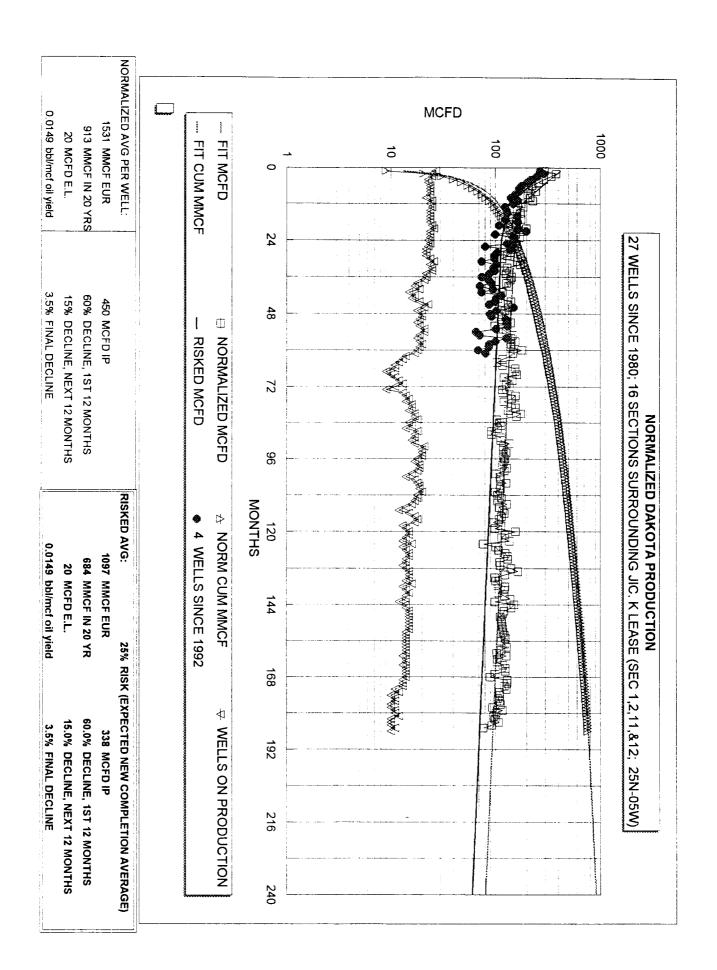
OIL CONSERVATION DIVISION

APPROVAL PROCESS:
Administrative Hearing
EXISTING WELLBORE
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<u>B(TRICT II</u> 811 South) First St. Artesia NM 88210 2835	OIL CONSERVA 2040 S Santa Fe, New M		- APPROVAL PROCESS:	
DISTRICT III 1900 Rio Brazos Rd. Aztec. NM 87410-1693	APPLICATION FOR DOV		EXISTING WELLBORE	
Conoco Inc	10	Desta Dr. Ste 100W, Midland		
Jicarilla K	Addre #13 E	Section 11, T-25-N, R-5-W,		
005073	10000		g Unit Lease Types (check 1 or more) X . State (and/or) Fee	
OGRID NO Proper	ty Code 18023 API NO	rederal k	State () (and/or) Fee ()	
The following facts are submitted support of downhole commingilise	d in Upper g. Zone	intermed ate Zone	Lower Zone	
1 Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599	
2 TOP and Bottom of Pay Section (Perforations)	5247-5608'		7242-7472'	
3 Type of production (Oil or Gas)	Gas		Gas	
Method of Production (Flowing or Artificial Lift)	To Flow		To Flow	
5 Bottomhole Pressure Oil Zones - Artificial Lift Estimated Cu Gas & Oil - Flowing	a (Current) 562	a	a 950	
All Gas Zones Estimated Or Measured Orig		b	2809	
6 Oil Gravity (*API) or Gas BT Content	1260		1248	
7 Producing or Shut-In?	To be Completed		To be Completed	
Production Marginal? (yes or n	Yes (expected)		Yes (expected)	
If Shut-In give date and oil/ga water rates of Isst production	Oate Raies	Date Rijes	Date Raies	
Note For new zones with no production bi applicant shad be required to allach prod estimates and supporting dara.	uction		Anticipated 1st Yr	
If Producing. date and bill water rates of recent test (within, 50 days)	/gas/ Anticipated 1st Yr average 126 MCFD, 3.5 BOPD	Dale Pales	Rates Average 221 MCFD, 3.3 BOPD	
8 Fixed Percentage Allocation Formula -% or each zone	l , Gas	out Gas	Oil Gas	
	ased upon something other than curl			
10. Are all working, overridin	ng, and royalty interests identical in a overriding, and royalty interests been been given written notice of the pro	all commingled zones?	X Yes — No Yes — No	
11. Will cross-flow occur? flowed production be red	X Yes No If yes, are fluids co covered, and will the allocation formu	ompatible, will the formations rule be reliable. X Yes	not be damaged, will any cross-	er er
12. Are all produced fluids fr	rom all commingled zones compatib	le with each others $\frac{X}{X}$	Yes No	
13. Will the value of producti	ion be decreased by commingling?	Yes _x_No (If Y	es, attach explanation)	Mrs.
	munitized with, state or federal land Land Management has been notifie			
	es for Rule 303(D) Exceptions:	ORDER NO(S).		ં _{જા} ં
* Production cu	h zone to be commingled showing it rve for each zone for at least one ve h no production history, estimated p et allocation method or formula, st of all offset operators, st of working, overriding and royalt I statements, data, or documents rec	ear. (If not available, attach ex production rates and supportin ty interests for uncommon into	planation.) g data.	1.1 (1.00) 1.1 (1.00) 2. (1.00) 2. (1.00)
	rmation above is true and complete	•		
SIGNATURE TAY	Maddox	TITLE Regulatory Agent	DATE <u>4-24-98</u>	

TYPE OR PRINT NAME Kay Maddox __TELEPHONE NO. (915) 686-5798





APPLICATION FOR DOWNHOLE COMMINGLING

Jicarilla K 13E, Unit Letter L, Section 11-T25N-R5W Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla K 13E, 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 (389 MMCF recovery in 20 years, 536 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 DEPARTMENT OF THE INTERIOR

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(Other instructions on reverse side)

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

CONCOOLING. CONCOOLING. 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 11 Sec. 710N OF WELL (Report location clearly and in accordance with any State requirements*) At proposed prod. zone 1450' FSL & 940' FWL 125TANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE* 125CALTION OF WELL (Report location FROM NEAEST TOWN OR POST OFICE* 125CALTION OF WELL (Report location FROM NEAEST TOWN OR POST OFICE* 125CALTION OF PARTS 23 DETANCE FROM PROPOSED* CONTROL PARTS 10 NO OF ACRES IN LEASE 17 NO OF ACRES ASSIGNED TO NEAREST WELL, DRILLING, COMPLETED, REPORT OF THE MEAN OF ACRES IN LEASE 19 PROPOSED DEPTH 10 PROPOSED DEPTH 20 RATHER OF OR THIS LEASE, FT. ROBERTS WELL, DRILLING, COMPLETED, REPORT OF SETTING DEPTH 21 ELEVATIONS (Show whether OF, RT, GR, etc.) 22 APPROX DATE WOR 3/31/98 23 PROPOSED CASING AND CEMENTING PROGRAM 5122 OF HOLE GRADE, SIZE OF MOLE GRADE, SIZE OF MOLE GRADE, SIZE OF USING WEIGHT PER FOOT 10 SETTING DEPTH QUANTITY OF CEMENT 11" K-55,8-5/8" 24# 300' 130 SXS, circ. 7-7/8" K-55, 5-1/2" 15.5# 7472' 1085 SXS, circ. 11" 10 SYS, circ. 10 SYS, circ. 10 SYS, circ. 10 SYS, circ. 11" 12 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF MOLE 10 STATEMENT 11 SEC. T. R. M. OR B. 11 SEC. T. R. M. OR B. 12 SCOTT OF ACRES 13 SCOTT OF THE CONTROL SEASON 14 SON OF ACRES SIN LEASE 17 NO OF ACRES SIN LEASE 17 NO OF ACRES SIN LEASE 18 NO OF ACRES IN LEASE 19 NO OF ACRES SIN LEASE 19 NO OF ACRES IN LEASE 19 NO OF ACRES IN LEASE 10 SON OF ACRES 10 SON O			OFTHEI				5 LEASE DSIGNATION A	O SERVINE NO	
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Application approval does not warrant or certify that the applicant holds legal or equitable title to those righs in the subject lease which would entitle the applicant to cond	enting Plan Outenting Plan. out Preventer Hooce Use Plan with ine survey plat. Space DESCRIBE ctionally, give pertinent descriptions of the properties of t	ROW's for the well PROPOSED PROGRA data on subsurface location	pad and access M: If proposal is to d s and measured and	true vertic Mik TLE Rig	data on present productive al depths. Give blowcut preve e L. Mankin ht of Way Agent	nter program, i	f any	3/9/98	
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DIL CONSERVATION DIVISION PO Box 2088 Santa Fa. NM 87504-2088

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AMENDED REPORT

Part of the Madage Medical Street

. James 10. Antasi, бик 38211-0713

WELL LOCATION AND ACREAGE DEDICATION PLAT 'API Number 'Pool Cade Puol Name Blanco Mesaverde/Basin Dakota 72319/71599 'Phasenty Code 'Property Name Well Mumber JICARILLA K 13E CGRID No *Operator Name 'Elevation 005073 CONOCO, INC. 6766 ¹⁰ Surface Location Section วษารถ เอ Parge Lat Idn Feet from the North/South line Feet from the East/West line Caurty D 11 25N 5W 1450 South 940 West ABITEA ¹¹Bottom Hole Location If Different From Surface L or lot to วิหารกาฮ Fest from the North/South line Faet from the East, West line County 12 Dedicated Acres Doint on Infill 14 Consolidation Code ¹⁵ Order No. 319.5 WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION NO ALLOWABLE 5273.40 " OPERATOR CERTIFICATION I hereby centify that the information contained merein is true and condicts to the best of $\mathfrak{m}_{\mathbb{R}}$ knowledge and belief - Mankin Printed Name Right-of-Way Agent Title 00 Date "SURVEYOR CERTIFICATIO I hereby centify that the Well location shown on this blad was plotted from field notes of actual surveys made by he on under hy sucception and that the same is thus and connect to the best of my teles. NOVEMBER 19, 1997 940' Date of Survey C. EDWARD METIC 1450 6857 5270 76

Jicarilla K # 13E Section 11, T-25-N, R-5-W, L Rio Arriba, New Mexico

RE: Downhole Commingle C107A Application

Notification of Offset Operators:

Amoco, Inc. PO Box 800 Denver, CO 80201

A copy of the C-107A has been sent to the above listed party/parties.