DATE IN 4/20/98 SUSPENSE 5/11/98 ENGINEER DC LOGGED BY M TYPE DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

Amore Pr

		ADMINI	STRATIV	E APPLI	CATION	COVER	RSHEET	
	THIS COVERSH	EET IS MANDATO	RY FOR ALL ADMIN	IISTRATIVE APPLIC	ATIONS FOR EX	CEPTIONS TO DIVI	SION RULES AND REG	ULATIONS
Applic	[PC-I	[DI wnhole Cor Pool Comm [WFX-Wa [SWD ualified Enh	ingling] [OLS terflood Expa)-Salt Water anced Oil Re	Drilling] [SD CTB-Lease C G - Off-Lease Insion] [PMX- Disposal] [IP Icovery Certif	-Simultane ommingling Storage] [G -Pressure N I-Injection I fication] [PF ich Apply	ous Dedicated [PLC-Poor DLM-Off-Lead Maintenance Pressure Incorporative For [A]	tion] I/Lease Commi ase Measureme Expansion] crease] Production Res	ent]
		□NSL	□NSP	☐ DD	☐ SD		The second secon	Management of the second
	Check	One Only	for [B] and	[C]				The same of the same state of the same of
	[B]	Comming	gling - Stora	ige - Measu		OLS	OLM	
	[C]	Injection	- Disposal -	Pressure Ir	_	nhanced Oi	l Recovery	

1	[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

NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[2]

[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.

Ray Maddox
Print or Type Name
Signature

Regulatory Agent

Date



Mid-Continent Region Exploration/Production Conoco Inc. 10 Desta Drive, Suite 100W Midland, TX 79705-4500 (915) 686-5400

April 16, 1998

Mr. David Catanach New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico 87504-2088

Re: Application for Downhole Commingling Jicarilla A #8 Section 23, T-26-N, R-4-W, E Rio Arriba County, New Mexico

Dear Mr. Catanach,

In January of 1998, with approval to commingle the Gallup and Dakota (Order No. R-5857 see attached) and with approval to commingle the Mesaverde and Dakota (Order DHC 1095 see attached), Conoco worked on the subject well to commingle all zones in the wellbore. After completing the work, we were informed by the Aztec office that a new commingle order is required to specifically permit commingling the Mesaverde, Gallup and Dakota zones. Attached please find relevant data in support of this order and brief history of the well.

Please note that the work has been successfully completed and the well is now producing on wellhead compression at a rate of 367 MCFD, 0.5 BWPD, and 2 BOPD (4/8/98). The well is expected to stabilize at a rate of about 260 MCFD. At this rate, it is clear that production has been re-established from the low-pressured Gallup zone after being shut-in since 1979. Combined production from the Mesaverde and Dakota was 93 MCFD prior to workover.

We sincerely hope that this C-107A application and explanation will keep this well in compliance and will clear up any confusion.

The offset operators, Chateau and Burlington have been notified of this request.

Conoco, Inc respectfully requests either a new DHC order or an amended order to include the Gallup be granted on the Jicarilla A #8. If there are any additional questions concerning this application please call me at (915) 686-5798.

Sincerely yours,

Kay Maddox

Regulatory Agent

Kuy Madder

Cc: Oil Conservation Division - Aztec

U.S. Bureau of Land Management - Farmington Alba

Brief Well History

The subject well was originally dually completed in the Basin Dakota and Wildhorse Gallup pools with first production in November, 1967. In 1979, a previous operator, Southern Union, elected to commingle (Order No. R-5857 dated 11/28/78) the Gallup and Dakota (making a combined 500 MCFD in late 1977) and complete the Blanco Mesaverde zone. Mesaverde production was segregated from the commingled Gallup/Dakota production by means of a production packer set at 7091', above the Gallup perfs.

In hindsight, the 1979 commingle was ill-advised. The combination of low reservoir pressure in the Gallup, relatively high line pressure, small production tubing (1.9"), and a deep production packer made it nearly impossible to build enough pressure to overcome friction and lift fluid from the wellbore. As a result, the Gallup/Dakota did not produce until 1985, when Southern Union worked over the well to install two packers to straddle the Gallup perfs.

The 1985 workover temporarily isolated the Gallup behind a closed sliding sleeve opposite the Gallup perfs. Production was re-established from the Dakota at a rate of about 50 MCFD. A 1994 attempt to open the sliding sleeve over the Gallup was not believed successful.

In February 1995, another previous operator (Merit Energy) was granted approval to downhole commingle the Dakota and Mesaverde in the subject well (Administrative Order DHC-1095).

In January, 1998, Conoco commingled Mesaverde, Gallup, and Dakota zones and placed well on wellhead compression to enable production from the Gallup. Production prior to workover was 93 MCFD from the Mesaverde and Dakota only.

BITRICT II

DISTRICT III

Conoco Inc.

811 South! First St. Artesia NM 88210 2835

1000 Rio Brazos Rd. Aztec, NM 87410 1693

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

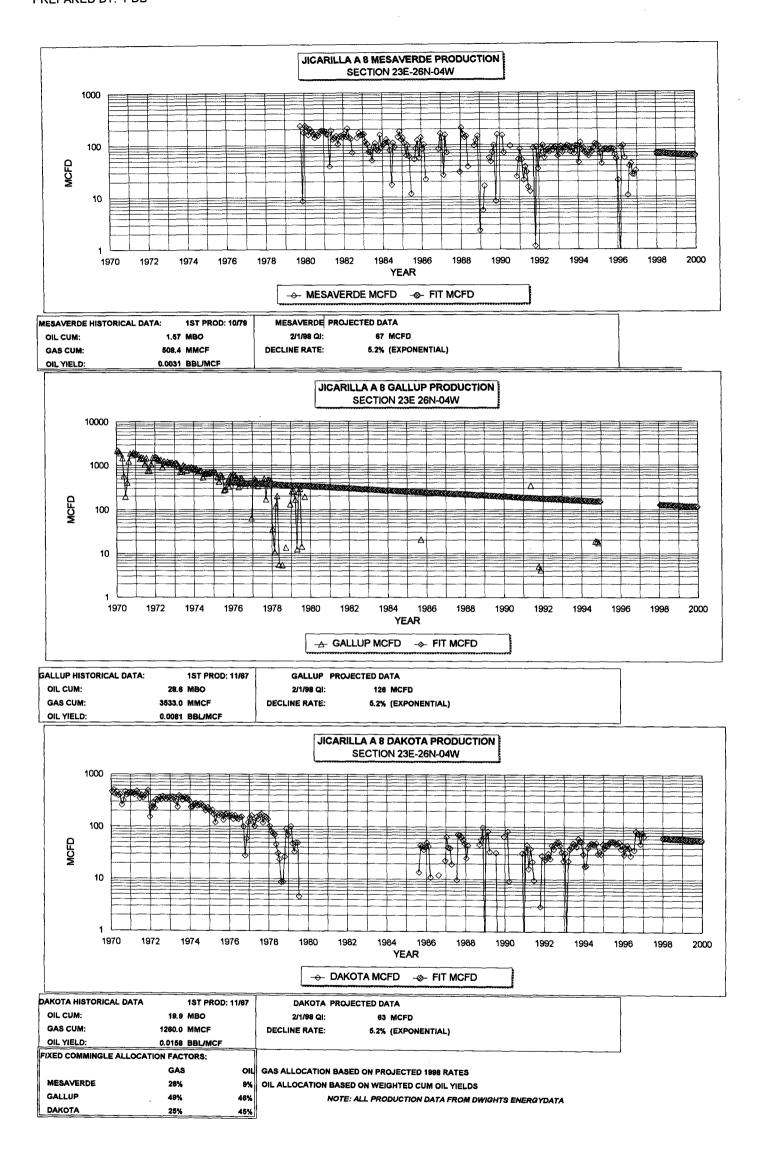
-	APPROVAL PROCESS:
	Administrative Hearing

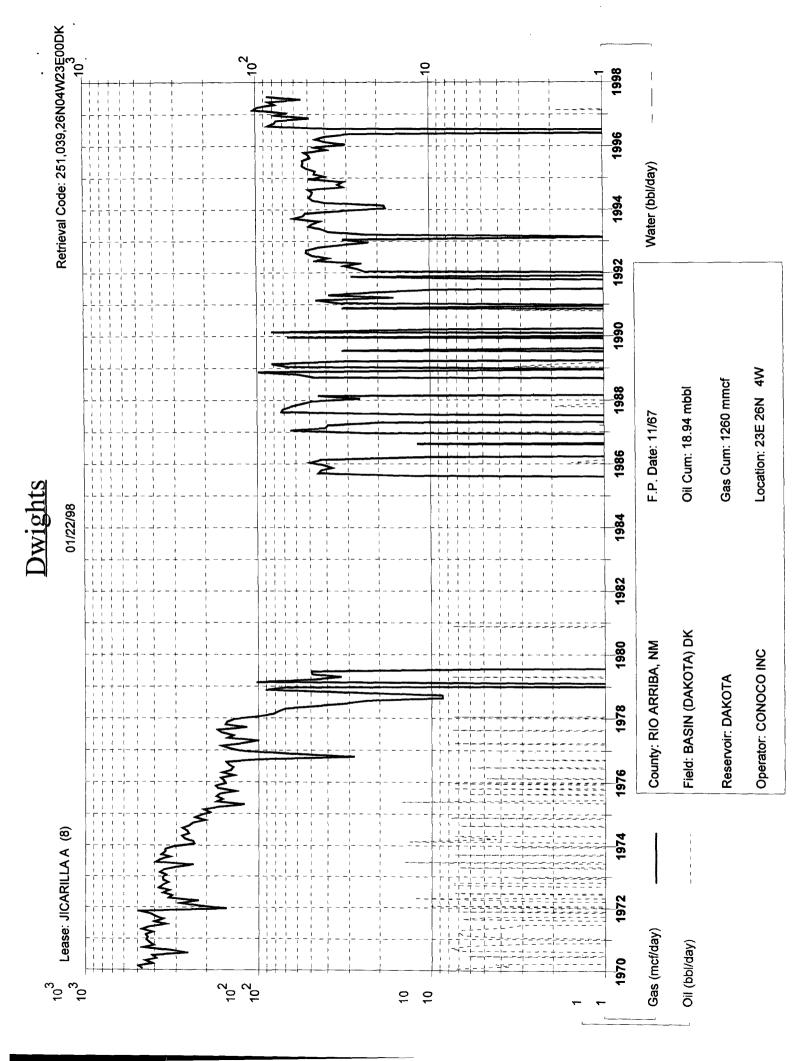
APPLICATION FOR DOWNHOLE COMMINGLING

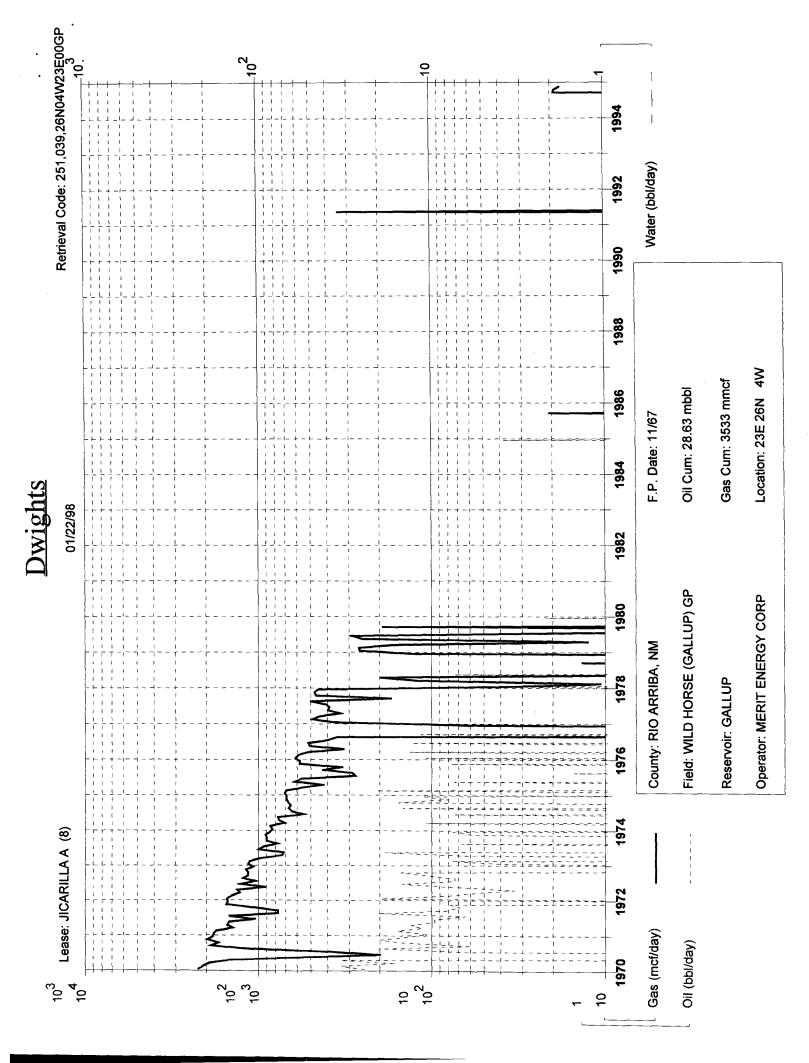
10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

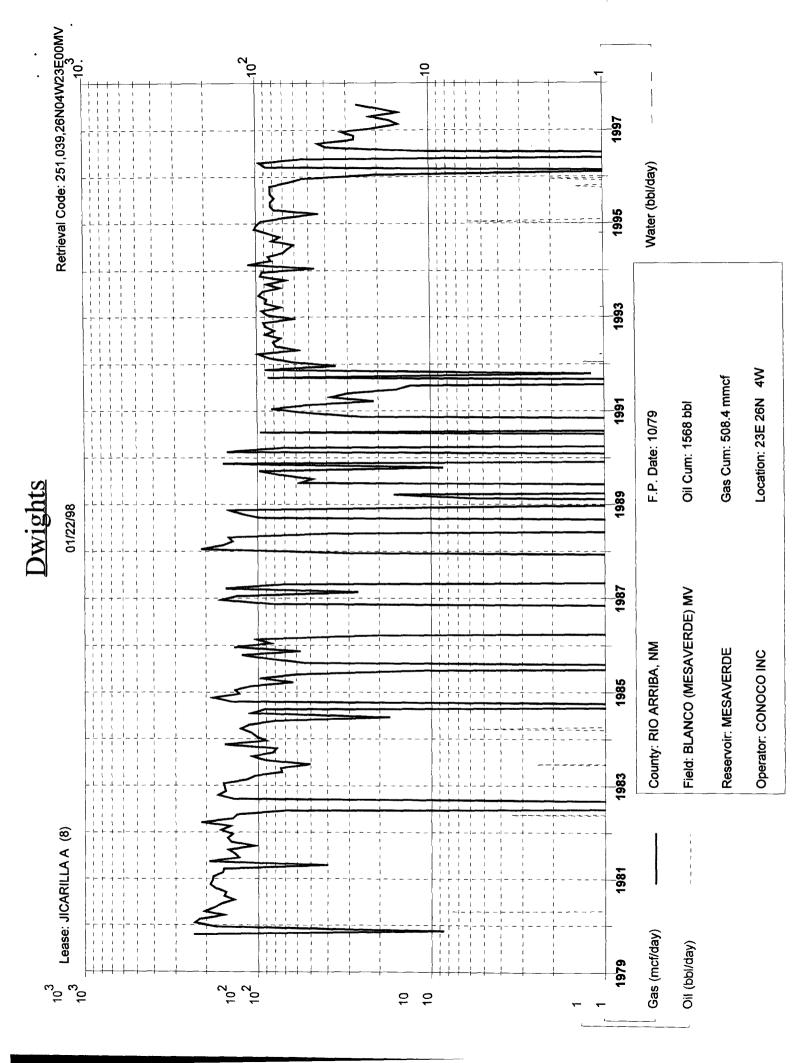
	-	,	
EXISTING	WEI	LBC	RE
\boxtimes	YES		NO

Jicarilla A	#8 Well No Unit L	Section 23, T-26-N, R-4-W, E	E Rio Arriba
ogrid No. 005073 Property Code		Spacing (Jnit Lease Types: (check 1 or more) , State (and/or) Fee
The following facts ate submitted in support of downhole commingling:	Upper Zone	intermediate Zone	Lower Zone
Pool Name and Pool Code	Blanco Mesaverde 71599	Wildhorse Gallup 87360	Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	5621-5807'	7214-7240'	7700-7872'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
Method of Production {Flowing or Artificial Lilt}	Flowing	Flowing	Flowing
5. Bottomhole Pressure Oil Zones - Artilicial Lift: Estimated Current Gas & Oil - Flowing:	a (Current) 590 psia	a. 324 psia	a. 806 psia
Gas & Oil - Flowing: Hall Gas Zones: Estimated Or Measured Original	b(Original)	b. 2135	b. 2645
6. Oil Gravity (°API) or Gas BT Content	1306	1413	1267
7. Producing or Shut-In?	Producing	Producing	Producing
Production Marginal? (yes or no)	Yes	Yes	Yes
If Shut-In give date and oil/gas/ water rates of last production Note For new zones with no production history applicant shad be required to attach production estimates and supporting dara	Date Rates	Date Ruten:	Date Rates
If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Est 2/98 Rates 67 MCFD, 0 BWPD, .2 BOPD	Est 2/98 Rates 128 MCFD, .2 BWPD, 1 BOPD	Est 2/98 Rates 63 MCFD, .25 BWPD, 1 BOPD
8. Fixed Percentage Allocation Formula -% or each zone	oil:	oii: Gas 49 %	oii: Gas 45 %
 Are all working, overriding, an If not, have all working, overr Have all offset operators been Will cross-flow occur? X Y flowed production be recovered Are all produced fluids from a Will the value of production be If this well is on, or communit United States Bureau of Land NMOCD Reference Cases for 	d royalty interests identical in a diding, and royalty interests bee given written notice of the property of the property of the allocation formula commingled zones compatible decreased by commingling?	method and providing rate project all commingled zones? an notified by certified mail? bosed downhole commingling? mpatible, will the formations not alla be reliable. X Yes le with each others X Yes Yes X No (If Yes, either the Commissioner of Fed in writing of this application.	Ections or other required data. \[\frac{X}{X} \text{ Yes} & \frac{N_0}{X} \ N_0 \\ \frac{X}{X} \text{ Yes} & \frac{N_0}{X} \ N_0 \\ \frac{N_0}{X} \text{ Yes} & \frac{N_0}{X} \ N_0 \\ \frac{N_0}{X} \ \frac
* Production curve for For zones with no production to support allow Notification list of the No	or each zone for at least one ye production history, estimated p cation method or formula. all offset operators. working, overriding and royalt ements, data, or documents req	s spacing unit and acreage decar. (If not available, attach exproduction rates and supporting y interests for uncommon interprised to support commingling.	olanation.) data. est cases.
IGNATURE YU	Maddex	TITLE Regulatory Agent	DATE April 14,199
YPE OR PRINT NAME Kay Mad	dox	TELEPHONE NO.	/ - / '









MEXICO OIL CONSERVATION COMMITTIN WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-i-55

·		All distances must be f	rom the outer boundaries	of the Section.	
Operator			Lease		Well No.
Supron Ener	gy Corporat:	ion	JICARII	LA "A"	8
	ction	Township	Range	County	
E	23	26 North	4 West	Rio Arrib	a
Actual Footage Location	on of Well:				
1450	eet from the N	ORTH line and		eet from the WEST	line
Ground Level Elev:		motion Dakota,	Pool Basin Dako	ta, Blanco Mv.	320 W/2 Dakota & Mv.
6863.0	Mesaverd	e & Gallup	& Wild Horse G	allup	160 NW/4 GallurAcres
2. If more than interest and is 3. If more than dated by compared that the second se	one lease is royalty). one lease of dimunitization, under the control of the con	dedicated to the well afferent ownership is on itization, force-pooling swer is "yes," type of owners and tract descend to the well until all	ell by colored pencil I, outline each and id dedicated to the well ng. etc? I consolidationCo riptions which have a interests have been	or hachure marks on lentify the ownership have the interests of communitization actually been consolidated (by consolidated (160 NW/4 Gallupteres
Jicarilla Contract		23		Name Rudy D Position Area S Company SUPRON Date March Date Survey 11 M	lay 1967 Professional Enginee
660 '90	1320 1650 1980	2310 2640 2000	1500 1000	Certificate	No.

Conoco, Inc. 10 Desta Dr STE 100W Midland, TX 79705

RE: Jicarilla A #8 Downhole Commingle Application C-107A Section 23, T-26-N, R-4-W, E

Notification of Offset Operators:

Chateau Oil & Gas 2515 McKinney Ave STE 840 Dallas, TX 75201

Burlington Resources PO Box 4289 Farmington, NM 87499

State of New Mexico ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT Santa Fe, New Mexico 87505

OIL CONSERVATION DIVISION





ADMINISTRATIVE ORDER DHC-1095

Merit Energy Company 12222 Merit Drive, Suite 1500 Dallas, Texas 75251

Attention: Terry D. Gottberg

Authorization to downhole commingle Basin Dakota Pool and Blanco Mesaverde Pool production.

Dear Mr. Gottberg:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit downhole commingling in the wellbore, the production of the above mentioned pools in the following described wells:

Well Name	Number	Unit Letter	Section
Jicarilla "A"	8	E	23
Jicarilla "A"	9	С	14
Jicarilla "A"	10E	G	23
Jicarilla "A"	13E	N	13
Jicarilla "A"	22Y .	K	24
Jicarilla "B"	8A	D	25

All wells located in Township 26 North, Range 4 West, Rio Arriba County, New Mexico.

It appearing that the subject wells qualify 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 two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject wells shall not exceed 30 barrels per day, and total water production shall not exceed 60 barrels per day.

VILLAGRA BUILDING - ess Gminteo
Forestry and Resources Conservation Division
IP.O. Box 1948 87504-1949
827-5430

Park and Recreation Division P.O. Box 1147 87804-1147 827-7485 2048 South Pachece

Office of the Secretary

Administrative Services 827-5828

Energy Conservation & Management 827-9900

> Mining and Minerals 827-5970

Oli Conservation 827-7131

Administrative Order DHC-1095 Merit Energy Company February 21, 1995 Page 2

2214 960 1252

The maximum amount of gas which may be produced daily from the wells 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.

In accordance with the provisions of Rule 303-C, the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject wells following their completion.

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

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 21st day of February, 1995.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

Director

SEAL

WIL/BES

Oil Conservation Division - Aztec CC:

-3

ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 6341 Order No. R-5857

APPLICATION OF SUPRON ENERGY CORPORATION FOR DUAL COMPLETIONS AND DOWNHOLE COMMINGLING, RIO ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 2/m. on November 8, 1978, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 29th day of November, 1978, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Supron Energy Corporation, seeks the dual completion of its Jicarilla "A" Well No. 8 located in Unit E of Section 23; its Jicarilla "E" Well No. 7 located in Unit P of Section 15; and its Jicarilla "E" Well No. 8 located in Unit C of Section 15, all in Township 26 North, Range 4 West, Rio Arriba County, New Mexico, to produce gas from the Mesaverde formation through tubing and to produce commingled Gallup and Dakota production through a separate string of tubing with separation of the Mesaverde zone from the commingled zones by means of a packer.
- (3) That the mechanics of the proposed dual completions are feasible and in accord with good conservation practices.



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JAN 21 '98 12:00

-2-Case No. 6341 Order No. R-5857

- (4) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.
- (5) That the reservoir characteristics of the Gallup and Dakota formations in each of the subject wells are such that underground waste would not be caused by the proposed commingling provided that the wells are not shut in for an extended period.
- (6) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time any of the subject wells is shut in for 7 consecutive days.
- (7) That in order to allocate the commingled production to each of the commingled zones in the subject wells, applicant should conduct tests during completion operations, and should consult with the supervisor of the Division's Aztec office to arrive at an allocation formula.
- (8) That approval of the subject application will prevent waste and protect correlative rights.
- (9) That Division Orders Nos. MC-1777, MC-1803, and MC-1802, which authorized the dual completion of the subject wells, should be superseded.

IT IS THEREFORE ORDERED:

(1) That the applicant, Supron Energy Corporation, is hereby authorized to dually complete its Jicarilla "A" Well No. 8 located in Unit E of Section 23; its Jicarilla "E" Well No. 7 located in Unit P of Section 15; and its Jicarilla "E" Well No. 8 located in Unit C of Section 15, all in Township 26 North, Range 4 West, Rio Arriba County, New Mexico, to each produce gas from the Mesaverde formation through tubing and to produce commingled Gallup and Dakota production through a separate string of tubing with separation of the Mesaverde zone from the commingled zones to be achieved by means of a packer.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said wells in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

-3-

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Case No. 6341 Order No. R-5857

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the prorated gas wells in Northwest New Mexico.

- (2) That the applicant, during completion operations on the subject wells, shall conduct tests, and shall consult with the supervisor of the Division's Aztec office to determine a formula for allocation of production to each zone in each well.
- (3) That the operator of the subject wells shall immediately notify the Division's Aztec district office any time any such well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.
- (4) That Division Orders Nos. MC-1777, MC-1803, and MC-1802 are hereby superseded.
- (5) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

CTATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY, Director

SEAL

dr/



Midland Division
Exploration Production

Conoco Inc. 10 Desta Drive, Suite 100W Midland, TX 79705-4500 (915) 686-5400

February 20, 1996

Mr. Ernie Busch Aztec District Office 1000 Rio Brazos Rd. Aztec. New Mexico 87410

Re:

Jicarilla "A" No. 8 Downhole Commingling Allocation Formula Approval Unit E, Section 23, Township 26 North, Range 4 West, Rio Arriba County Downhole Commingling Authorized by Administrative Order DHC-1095

Dear Mr. Busch:

Conoco recently purchased the subject well from Merit Energy Company. Downhole commingling approval had already been secured by Merit through Order DHC-1095, but apparently Merit had not yet contacted your office to secure approval of an allocation formula for the commingled well. Therefore, Conoco as the current operator is submitting the following production history and proposed fixed allocation formula for your approval.

EXHIBIT A: Blanco Mesaverde production history plot

EXHIBIT B: Basin Dakota production history plot

EXHIBIT C:

- -- Production plots with projected exponential decline fit of data
- -- Historical data for both zones (cums, current rates, decline rates)
- 1/1/96 producing rates
- --- Proposed fixed allocation factors based on 1/1/96 rates

Since decline analysis of both producing zones indicates that both are producing at a stabilized 4.5% exponential decline, it is proposed that the following fixed percentage formula be established for proper allocation of production from this commingled well:

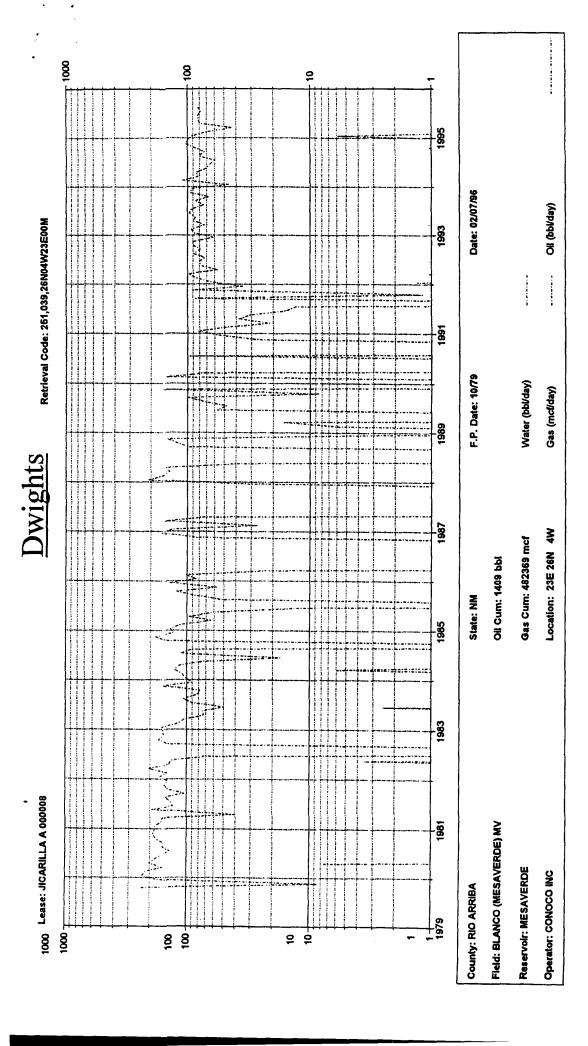
	<u>GAS</u>	OIL
Blanco Mesaverde	65 %	26 %
Basin Dakota	35 %	74 %

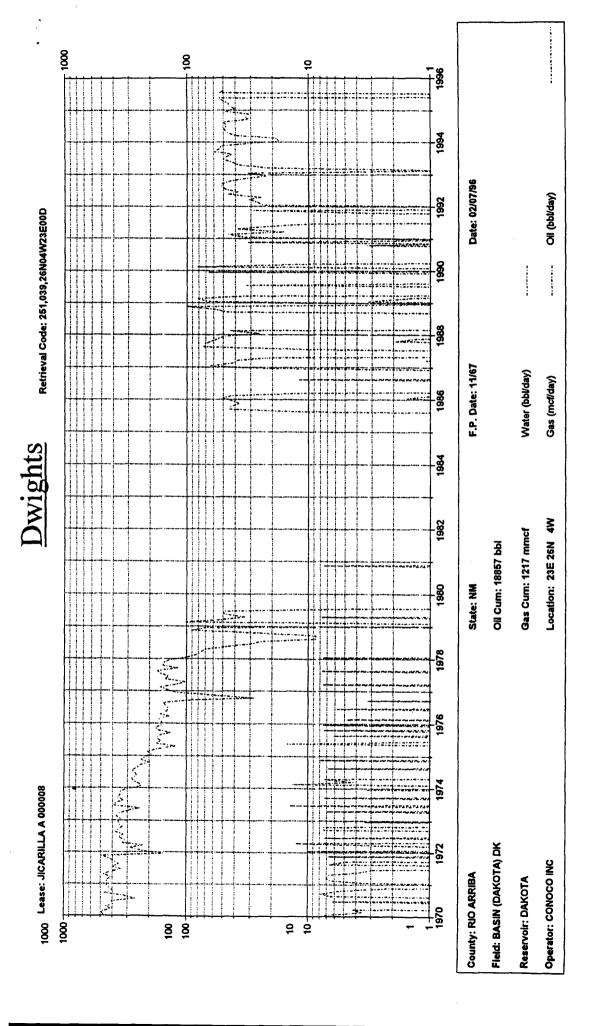
If you have any further questions or requirements for your consideration of this proposal, please contact me at (915) 686-6548.

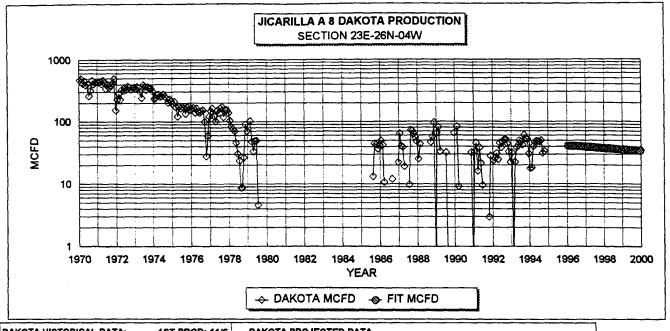
Very truly yours.

Jerry W. Hoover

Sr. Conservation Coordinator





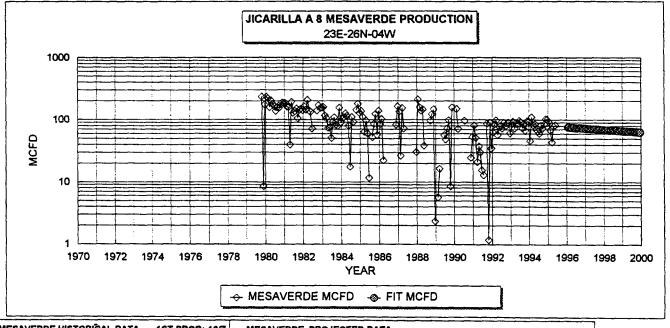


 DAKOTA HISTORICAL DATA:
 1ST PROD: 11/6
 DAKOTA PROJECTED DATA

 OIL CUM:
 18.86 MBO
 1/1/96 QI:
 41 MCFD

 GAS CUM:
 1217.00 MMCF
 DECLINE RATE:
 4.5% (EXPONENTIAL)

 OIL YIELD:
 0.0155 BBL/MCF



MESAVERDE HISTORI	CAL DATA	1ST PROD: 1	0/7	MESAVERDE	PROJECTED DATA
OIL CUM:	1.41	MBO		1/1/96 Qi:	76 MCFD
GAS CUM:	482.37	MMCF		DECLINE RATE:	4.5% (EXPONENTIAL)
OIL YIELD:	0.0029	BBL/MCF			
FIXED COMMINGLE A	LLOCATION F	ACTORS:			
	GAS		OIL	GAS ALLOCATION	ON BASED ON PROJECTED 1996 RATES
MESAVERDE:	65%	:	26%	OIL ALLOCATIO	N BASED ON WEIGHTED CUM OIL YIELDS
DAKOTA:	35%		74%	-	NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

SUBMIT IN DUPLICALE. UNITED STATES DEPARTMENT OF THE INTERIOR

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

other m-	* * * <u>*</u> * *	-	·
tions on se side)	5. LEASE DESIGNATION	AND	SERIAL
	Contract #105		<u> </u>

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NEW X	WORK DEEP-	PI.UG BACK	DIFF.	Other	<u> </u>		S. FARM OR LEA		
NAME OF OPERATO	on Inion Produc	•	a⊷arga baluka MV	744 Z		į Į	Jicar	illa "A"	
ADDRESS OF OPER		aron compa	my					8 7 33	
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At top prod. into	erval reported below	v Same aş	8poxe				\$ ·	T-26N, R-DW	
At total depth	Same as ab	ove		•			N.H.	<u> </u>	
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	t. MD & TVD								
	t. MD & TVD			<u>.</u>				ŊO	
•	-Klectrical,		Gamma Ray	Correlati	Long, Cenne	ent Bo	onđ	NO NO	2
·			G RECORD (Repo				1111		I
CASING SIZE	WEIGHT, LB./FT	 }		E SIZE		MENTING		AMOUNT PULLED)
-3/4"	32.75	302		15"		sacks			23
-5/8" -1/2"	26.40 15.50 & 17	3750 •0# 7965		7/8" 3/4"		cu. f			رديك
1-1/2"	13.30 & 17	·OF 1705	10.	2/4"	120	cu. 1	. 6.		+5
-	LI	NER RECORD			30.		TUBING RECORD	<u> </u>	_
SIZE	TOP (MD) B	OTTOM (MD) S	ACKS CEMENT*	SCREEN (MD)	SIZE		DEPTH SET (MD)	PACKER SET (MD)
					1-1/	2 ¹¹	7219 ft.	Gallup	_
					1-7/	/2 ¹¹	7628 ft.	KD. 7620	Ēt.
	CORD (Interval, size	•		32.	ACID, SHOT	, FRACT	URÉ, CEMENT S	QUEEZE, ETC.	
designated	d Gallup: 2	/ft. 7214-	7240	l—————	RVAL (MD)			F MATERIAL ÜSED	
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	28 -7 832 , 7 85		4 23	7700 9	200			0 gal. 15% A	cid.
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HOTA PENA	0.40		PROD	UCTION			# glass be	.8% KCL water	<u>r</u> &
FIRST PRODUCTS	ION PRODUCT	TION METHOD (FIG			nd type of pur	np)	WELL STA	TUS (Producing or	
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/31/67 W. TOBING PRESS.	1 3	3/11			131		Dakota .		
Li	924 Packer	24-HOUR RATE	OIL—BBL.	GAS 278	53	Gally Dakot	-BBL. OI IP	L GRAVITY-API (CORR.)	i
	AS (Sold, used for fu	el, vented, etc.)			1		TEST WITNESSE		
LIST OF ATTACH	nted MENTS						Kenneth	E. Roddy	
				- -4	10 (10 m) 20 (10 m) 20 (20 m)				
I hereby Certify	that the foregoing signed by	and attached info	ormation is compl	ete and correc	t as determin	ed from	all available reco	rds	
SIGNED	TD. NOLAND IN Dert D. Nola	 	TITLE	Drilling	Superin	tende	nt	Sept. 25, 19	67
G111	pert D. Nola	nd, ir.					DATE_		