OATE IN 2/19/98	SUSPENSE 3/11/9	8 ENGINEER DC	LOGGED BY	TYPE DHC
				

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

1866

		- Engineering Bureau -
		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS COVERSH	EET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applicatior	[PC-I	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] whhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] 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] ualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1] T	YPE OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD DS SD
	Check [B]	One Only for [B] and [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery □ w F X □ PMX □ SWD □ IPI □ EOR □ PPR
[2] N	OTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply ☐ 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
	[E]	☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	☐ Waivers are Attached
[3]	NFORMAT	ION / DATA SUBMITTED IS COMPLETE - Statement of Understanding
and Regularist administration that all in	ulations of the rative appro- nterest (WI,	I, or personnel under my supervision, have read and complied with all applicable Rules he Oil Conservation Division. Further, I assert that the attached application for val is accurate and complete to the best of my knowledge and where applicable, verify RI, ORRI) is common. I understand that any omission of data, information or to have the application package returned with no action taken.
		Note: Statement must be completed by an individual with supervisory canacity

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

Ray Maddox
Print or Type Name
Signature

Regulatory Agent

Date

STRICT II

DISTRICT III

PO Box 1980, Hobbs, NM 88241 1980

811 SouthI First St. Artesia NM 88210 2835

State of New Mexico Energy, Minerals and Natural Rasources Department

OIL CONSERVATION DIVISION

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

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

APPROVAL PROCESS:

Administrative Hearing

EXISTING WELLBORE YES NO

APPLICATION FOR DOWNHOLE COMMINGLING 1000 Rio Brazos Rd. Aztec, NM 87410 1693

Conoco Inc.	10	Desta Dr. Ste 100W, Midland,	Tx. 79705-4500
ficarilla K	14	Section 11, T-25-N, R-5-W, C	Rio Arriba
OGRID NO. 005073 Property Code		Spacing U	Jnit Lease Types: (check 1 or more) , State (and/or) Fee
The following facts ate supmitted in support of downhole commingilng:	Upper Zone	intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Pictured Cliffs South 72439	Otero Chacra 82329	Blanco Mesaverde 72319
TOP and Bottom of Pay Section (Perforations)	3064-3114'	3950-3980'	5075-5510'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
Method of Production {Flowing or Artificial Lilt}	Flowing	Flowing	To Flow
5. Bottomhole Pressure Oil Zones - Artilicial Lift: Estimated Current Gas & Oil - Flowing: Measured Current	a (Current)	a. 503	a. 560
Measured Current All Gas Zones: Estimated Or Measured Original	b(Original)	b. 1012	b. 1317
6. Oil Gravity (°API) or Gas BT Content	1225	1204	1324
7. Producing or Shut-In?	Producing	Shut-in	To Be Completed
Production Marginal? (yes or no) 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 If Producing, date and oil/gas/	Yes Date Rates Est 7/98	Yes Date Est 7/98 Rates: 24 MCFD, 0 BOPD, 0 BWPD	Production to be
water rates of recent test (within 60 days)	Rates 14 MCFD, 0 BOPD, 0 BWPD	Rates	allocated by subtraction - See attached table
• •	pon something other than currorting data and/or explaining n	rent or past production, or is ba nethod and providing rate proje	sed upon some other method ections or other required data.
 Are all working, overriding, an If not, have all working, overri Have all offset operators been 	ding, and royalty interests bee given written notice of the prop	n notified by certified mail? posed downhole commingling?	X Yes No
11. Will cross-flow occur? X Y flowed production be recovered		mpatible, will the formations not larger X Yes!	
2. Are all produced fluids from al			′es No
13. Will the value of production be	•	Yes _X_No (If Ye	,
 If this well is on, or communiti United States Bureau of Land 	zed with, state or federal lands Management has been notifie	s, either the Commissioner of F d in writing of this application.	Public Lands or the X_Yes No
* Production curve for For zones with no per Data to support allow Notification list of a N	e to be commingled showing its or each zone for at least one ye oroduction history, estimated p cation method or formula. ill offset operators. working, overriding and royalt	order No(s). s spacing unit and acreage decar. (If not available, attach exproduction rates and supporting y interests for uncommon interuired to support commingling.	dication. planation.) data. est cases

TITLE Regulatory Agent

TELEPHONE NO. (915)

DATE February 16, 1998

686-5798

ay Maddex

TYPE OR PRINT NAME_Kay Maddox

DISTRICT III

PO Box 1980, Hobbs, NM 88241 1980

811 SouthI First St. Artesia NM 88210 2835

1000 Rio Brazos Rd. Aztec, NM 87410 1693

State of New Mexico Energy, Minerals and Natural Rasources Department

OIL CONSERVATION DIVISION

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

APPLICATION FOR DOWNHOLE COMMINGLING

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

APPROVAL PROCESS:

Administrative Hearing

EXISTING WELLBORE YES NO

Conoco Inc.	1C	Desta Dr. Ste 100W, Midland	, Tx. 79705-4500
Jicarilla K Lease OGRID NO. 005073 Property Code	10022		Prior Arriba County Unit Lease Types: (check 1 or more) County Co
The following facts ate submitted in support of downhole comminging:	Upper Zone	intermediate Zone	Lowes+ Lewes Zone
1. Pool Name and Pool Code			Basin Dakota 71599
TOP and Bottom of Pay Section (Perforations)			7262-7278'
3. Type of production (Oil or Gas)			Gas
4. Method of Production {Flowing or Artificial Lilt}			Flowing
5. Bottomhole Pressure Oil Zones - Artilicial Lift: Estimated Current	a (Current)	a.	a. 949
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b(Original)	b.	b. 2804
6. Oil Gravity (°API) or Gas BT Content			1275
7. Producing or Shut-In?			Shut-in
Production Marginal? (yes or no)			Yes
If Shut-In give date and oil/gas/ water rates of Isst production Note For new zones with no production history applicant shad be required to attach production	Date Rates	Date Rates:	Est 7/98 Rates 47 MCFD, 0.7 BOPD, 0 BWPD
estimates and supporting dara • If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Dale Rates	Dale Rates	Date Rates
8. Fixed Percentage Allocation Formula -% or each zone	oil: Gas %	oil: Gas %	Oil: Gas
9. If allocation formula is based usubmit attachments with supp	upon something other than cur porting data and/or explaining	rent or past production, or is ba method and providing rate proje	ased upon some other method, ections or other required data.
 Are all working, overriding, an If not, have all working, overr Have all offset operators been 	iding, and royalty interests be	all commingled zones? en notified by certified mail? posed downhole commingling?	X Yes — No X Yes — No No
11. Will cross-flow occur? X Y flowed production be recovered	es No If yes, are fluids co	ompatible, will the formations no ula be reliable. X Yes	ot be damaged, will any cross- No (If No, attach explanation)
12. Are all produced fluids from a	Il commingled zones compatib		res No
13. Will the value of production be	e decreased by commingling?	Yes _x_No (If Ye	es, attach explanation)
14. If this well is on, or communit	ized with, state or federal land	ls, either the Commissioner of F	Public Lands or the

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

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.

TYPE OR PRINT NAME Kay Maddox

SIGNATURE

15. NMOCD Reference Cases for Rule 303(D) Exceptions:

TITLE Regulatory Agent

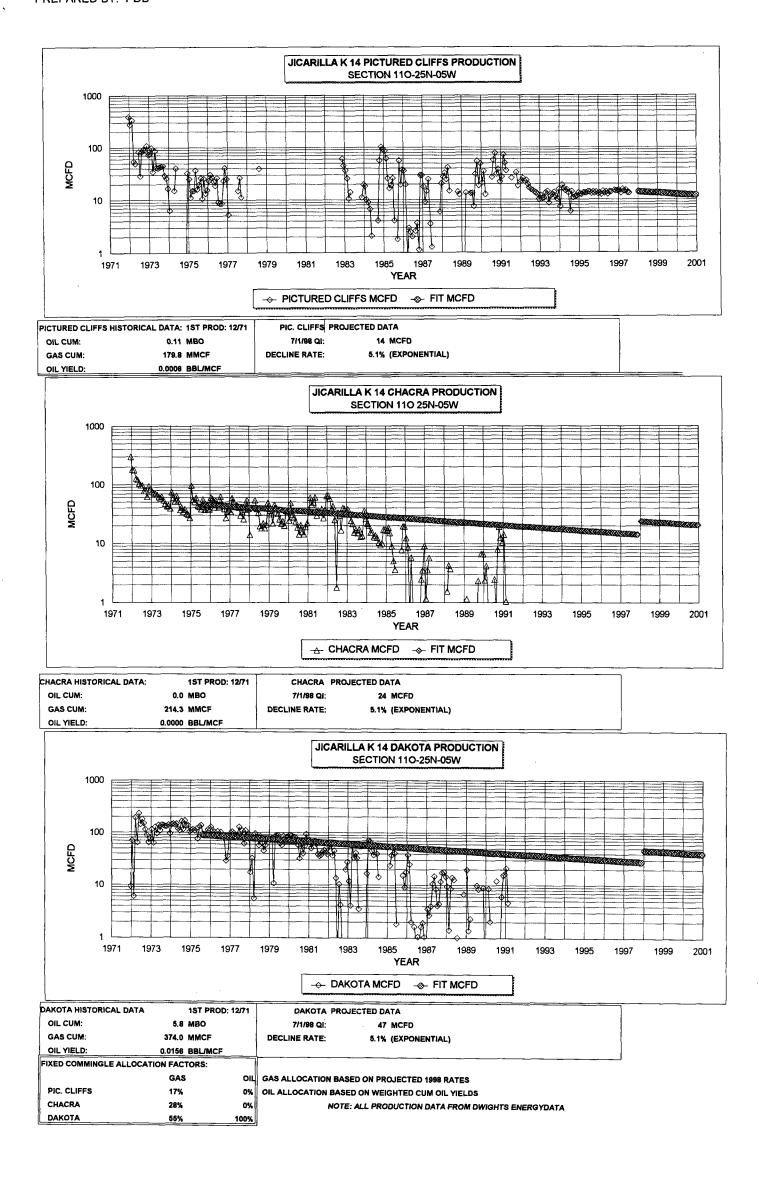
ORDER NO(S). _

__ DATE _ February 16, 1998

_TELEPHONE NO. <u>(915)</u>

DHC # 806

686-5798



JICARILLA K 14: PICTURED CLIFFS, CHACRA, AND DAKOTA FORECAST FOR SUBTRACTION COMMINGLE WITH MESAVERDE 110-25N-05W

CHACRA DAKOTA

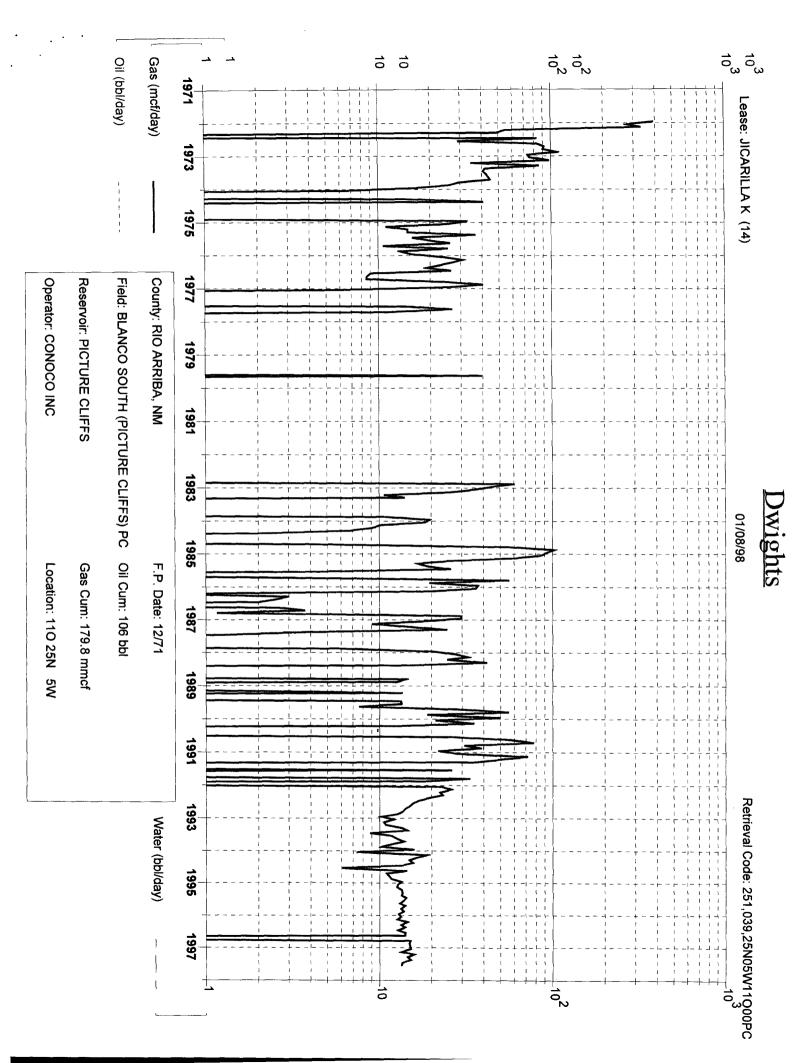
TOTAL

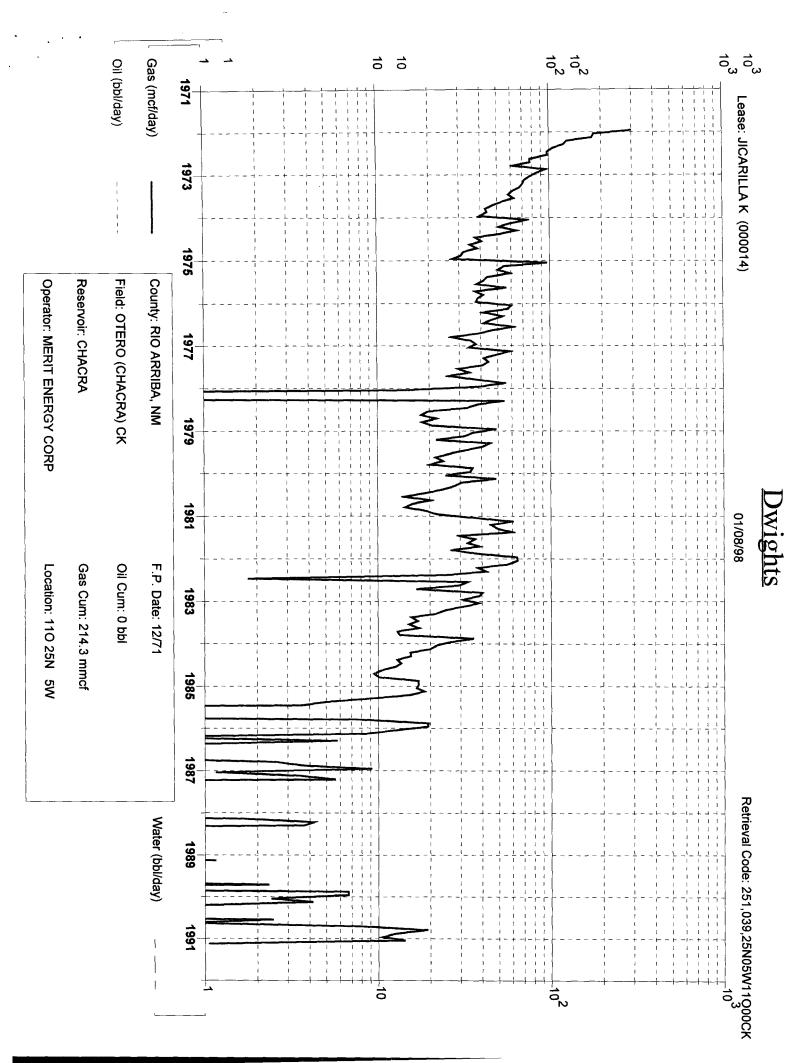
PICT. CLIFFS

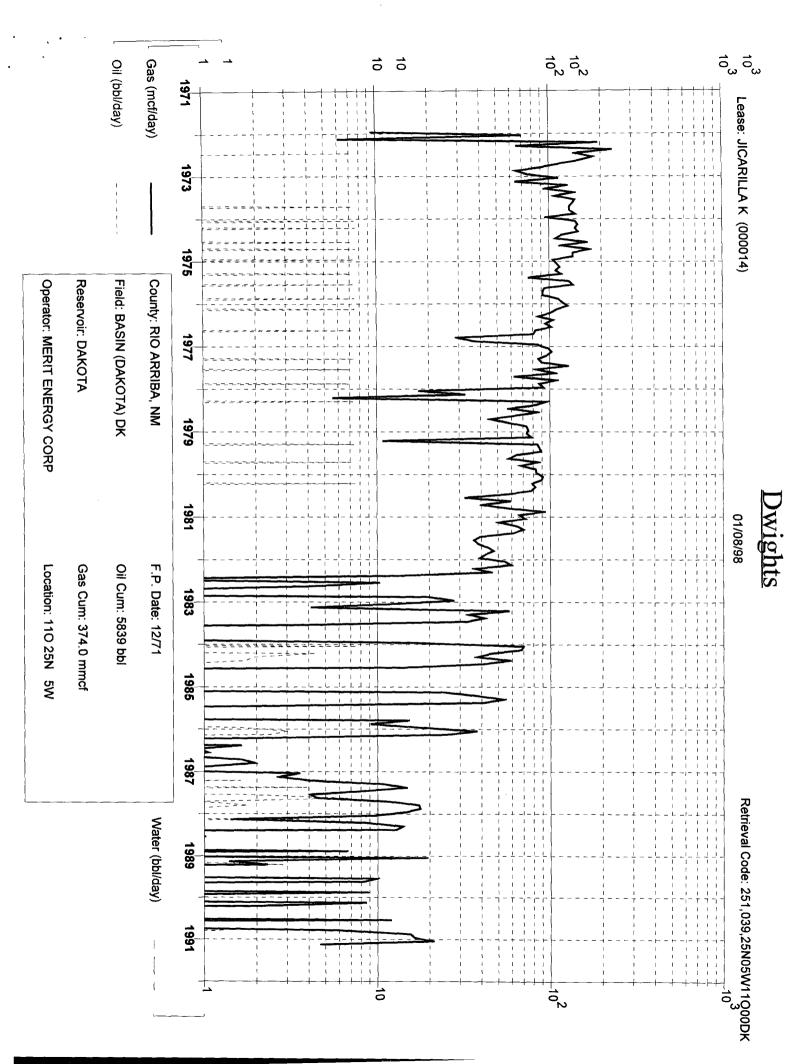
(7-12/98 AVG)

	FICT. CEIFFS	CHACKA	DAKOTA	IOIAL
YEAR	MCFD	MCFD	MCFD	MCFD
1998	14	23	46	83
1999	13	23	44	80
2000	13	21	42	76
2001	12	20	40	72
2002	11	19	38	68
2003	11	18	36	65
2004	10	17	34	62
2005	10	16	32	59
2006	9	16	31	56
2007	9	15	29	53
2008	8	14	28	50
2009	8	13	26	47
2010	7	13	25	45
2011	7	12	24	43
2012	7	11	22	41
2013	6	11	21	38
2014	6	10	20	37
2015	6	10	19	35
2016	5	9	18	33
2017	5	9	17	31
2018	5	8	16	30
2019	5	8	16	28
2020	4	8	15	27
2021	4	7	14	25
2022	4	7	13	24
2023	4	6	13	23
2024	4	6	12	22
2025	3	6	11	21
2026	3	5	11	19
2027	3	6	10	18
2028	3	5	10	18
2029	3	5	9	17
2030	3	4	9	16
2031	2	4	8	15
2032	2	4	8	14
2033	2	4	7	14
2034	2	4	7	13
2035	2	3	7	12
2036	2	3	6	12
2037	2	3	6	11
2038	2	3	6	10
2039	2	3	5	10
2040	2	3	5	9
2041	1	3		9
2042	1	2	5	8
2043		2		8
2044		2		8
2045		2		7
2046		2		7
2047		2		6
2048		2		6
2049	1	2		6
2050	*****	2		6

PICT. CLIFFS	CHACRA	DAKOTA
OIL; BOPD	OIL; BOPD	OIL; BOPD
0.0	0.0	0.7
0.0	0.0	0.7
0.0	0.0	0.7
0.0	0.0	0.6
0.0	0.0	0.6
0.0	0.0	0.6
0.0	0.0	0.5
0.0	0.0	0.5
0.0	0.0	0.5
0.0	0.0	0.5
0.0	0.0	0.4
0.0	0.0	0.4
0.0	0.0	0.4
0.0	0.0	0.4
0.0	0.0	0.3
0.0	0.0	0.3
0.0	0.0	0.3
0.0	0.0	0.3
0.0	0.0	0.3
0.0	0.0	0.3
0.0	0.0	0.3
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.2
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.1
0.0	0.0	0.0







District 1 PO Box 1980, Hobbs. NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 21, 1994 instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM 87410

District IV

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

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

PO Box 2088, Santa Fe. NM 87504-2088

		WE	LL LO	CATIO	N AND A	CR	EAGE DEDIC	CATION F	LAT		
	Pi Numbe			2 Pool (3 Pool N			
4 Property	039-2039	92	<u> </u>	72319			hy Nama	Blanco M	lesaverde		II Number
18023	[arilla	ty Name ı K				14
7 OGRID No.							tor Name			9 E	levation
00507	3	Cono	co Inc.,	10 Desta	Drive, Ste	e. 10	00W, Midland, T	X 79705-45	00		6798'KB
					10 Surf	ace	Location				
UL, or lot no.	Section	Township	Range	Lot Idn	Feet from t	he	North/South line	Feet from the	East/\	West line	County
0	11	25N	5W	<u> </u>	975		South	1640		East	Rio Arriba
UL or lot no.	Section	Township	11 Bo Range	ttom Ho	le Location to Feet from t		f Different Fro	om Surface		West line	County
) OE a la rio	Jection	Township	(Vallye	2001011	reet nom t	116)	, , , , , , , , , , , , , , , , , , , ,	Lastr	vvest mie	County
12 Dedicated Acre	s 13 Join	t or Infil 14	Consolidati	on Code 15	Order No.		<u> </u>	<u></u>			<u> </u>
320		Į.									
NO ALLO	WABLE						ON UNTIL ALL			EEN CO	SOLIDATED
		OR A	NON-ST	ANDARI	UNIT HA	S Bl	EEN APPROVEC	<u> </u>			
16				ŧ				4			TIFICATION
				Į.		1		33.1			contained herein is nowledge and belief
	ľ			Ē		į		1			
				E		ļ		劃	. /		
	İ			Ē		ļ		1 ~	V.	M	ddas
				<u> </u>		\neg		Signatur	ay	11/4	uuex_
	i			ŧ				∄	<i>V</i> κ	ay Maddo	X
Ì	,			ŧ				Printed N		ulatory Ag	zent
				ŧ				Title	0/	(1 / 1 / C	0/
				ŧ		ı		Date	_4	14/4	<u> </u>
	- , ,								, D1/D1/)	ETEL CAME CA
				Ī		Í		범			FIFICATION
				Ī				5 74			on shown on this plat Il surveys made by me
}				ŧ		Ì			my supervision the best of		the same is true and
1				Į		ļ		E		y uvriey.	
				Į		-		Date of S	-		
				Ī			1. 1. 1	Signatur	e and Seal of	Professional	Surveyor:
}				Ī	/ O	\leftarrow	1640'	∄			
				Ī	1	1		Ē			
				Ī	6			‡)			
				Ī	27.5	ļ		Certifica	e Number		
L		L		- Farmer			***********				

LEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Porm C-16. Supersedes 12-1 Lifective 2-1-60

All distances must be from the outer boundaries of the Section gerator SOUTHERN UNION PRODUCTION COMPANY SIGARILLA "" 5 JES 1 710 PRE194 25 NORTH inte au 1640 just to the EAST free from the SOUTH Preducing Formation OTERO CHACRA EXT. 6787.0 CHACRA 1. Outline the acreage dedicated to the subject well by colored pencil or has here made and the classic below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership the red both is to work the interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the inverests of all owners here a massly dated by communitization, unitization, force-pooling, etc? No If answer is "ves," type of consolidation Yes If answer is "no?" list the owners and tract descriptions which have actually been consolidated. One coverse side of this form if necessary.)_ No allowable will be assigned to the well until all interests have been considered the communitied on the arrival arrival forced-pooling, or otherwise) or until a non-standard unit, eliminating such interesses has been appared to the communication sion. CERTIFICATION GILBERT D. NOLAND JO. DRILLING SUPERINTENDERS SOUTHERN UNION PRODUCTION November 3, 1000 Seci 11 JICARILLA APACHE . hersby cartify that the well . . . s. CONTRACE #145 shown on this place are element in me in. knowledge and 5- hef 1640 man in the second of the second

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section .

		IÓH BEC			TEATY			JIJA	IILA	nKn		\mathcal{L}_{k}
orter El Folto ge L		11	ī. rwnsr		LORTH		5	र जनसङ्ख्या इ.स.च्याच्या	· .:	RIC AND	IBA	
775 1 Jun 5 6	*c+ :		goud aaao	-			640 211 R I		PICTURED		\$ E /4	160 PIGTURED 320 DAKOTA
78 7.0 Outum 1					ar and this				etura pigra			JAU PAKOTA A
	_											
erest and	royalty),	16026 12 (೨೮ , ೮೩/೮	: 10 H	e wer,	ou are	, .a	٠	i a kanani kanani	• erunu ine	ireat (bo	ith as to workin
If more t	rian one tization	lease of a	offerent n, force	owner -poolin	ship is e g etc	iècacater •	s to th	to well	have the in	rests of a	Howners	been consolicate
) Yes	t F No	1f	answer	is ye	s, inyre	g [†] com	obdatic	on				
niswer is	"no," list	the own	ns and t	tract d	escriptio	iris whici	n have	actua	lly consolies.	·. · (U·.; ·	everse no	ite of this form
		accom azi tr										mitization, forcec
undwable	therwise)	or until d	a non sta	a unai ondard	unit, eli	nangtay esis nav	ie oeel Joseph	r consc ir teres	ondated (tv.) sts, havitieer	in proved b	ration, ur y the Cor	mitization, forced mmission.
*** ***											'	
	- n		Tarante A.	AADE						CE	KILLI	CATION
	-	GATED I				ACDEAG	e					
	-	CATED F				ACREAG	E			I hereby co		the information cont
	-					ACREAG	E	_		I hereby co	and comp	the information cont plete to the best a
	-					ACREAG	E	7		I hereby co herein is true knowledge and	and comp belief.	plete to the best o
	-					ACREAG	E -)	I hereby co herein is true knowledge and Original GILBERT	and comp belief.	plete to the best o
	-					ACREAG	: ! + -		,	I hereby content is true converted and Original GILBERT Come	and comp belief. signed by D. NOLA	y ND, JR.
	-					ACREAG	E		,	I hereby content is true converted and Original GILBERT GILBERT OF THE CONTENT OF	and comp beliet. signed by D. NOLA D. NOLA	y ND, JR.
	-					ACREAG	£		,	I hereby content is true knowledge and Original GILBERT Stame GILBERT Seattles DRILLING	and comp belief. signed by D. NOLA D. NOLA	y ND, JR.
	-		PICTUR	ED CL		ACREAG	£		,	I hereby content is true knowledge and Original GILBERT Stame GILBERT Seattles DRILLING	ond comp belief. signed by D. NOLA D. NOLA SUPERI	ND, JR. ND, JR. NDENDENT
	-					ACREAG	£		,	I hereby content is true converted and Original GILBERT Content DRILLING	ond comp belief. signed by D. NOLA D. NOLA SUPERI	ND, JR. ND, JR. NDENDENT
	-		PICTUR	ED CL		ACREAG	£			I hereby contents to the contents of the conte	and completed. signed by D. NOLA D. NOLA SUPERI UNION 1971	ND, JR. NTENDENT PRODUCTION he well location show
	-		PICTUR	ED CL	i i i i i i i i i i i i i i i i i i i		+	N	,	I hereby contention is true to therein is true to the content of t	signed by D. NOLA D. NOLA SUPERI UNION 1971	ND, JR. ND, JR. NTENDENT PRODUCTION
	-		PICTUR	ED CL	JICAR			E N	,	I hereby contents to the contents of the conte	signed by D. NOLA D. NOLA SUPERI UNION 1971 rify that the plotted from your or units true and	ND, JR. AND, JR. INTENDENT PRODUCTION the well location show of field notes of a
	-		PICTUR	ED CL	JICAR	LLA /	PACHE		,	I hereby contents to the contents of the conte	signed by D. NOLA D. NOLA SUPERI UNION 1971 rify that the plotted from your or units true and	ND, JR. AND, JR. INTENDENT PRODUCTION the well location show of field notes of a sinder my supervision,
	-		PICTUR	ED CL	JICAR	LLA /	PACHE	N N	,	I hereby contents to the contents of the conte	signed by D. NOLA D. NOLA SUPERI UNION 1971 rify that the plotted from your or units true and	ND, JR. AND, JR. INTENDENT PRODUCTION the well location show of field notes of a sinder my supervision,
	-		PICTUR	ED CL	JICAR	LLA /	PACHE	N. T.	,	I hereby contents to the contents of the conte	signed by D. NOLA D. NOLA SUPERI UNION 1971 rify that the plotted from your or units true and	ND, JR. AND, JR. INTENDENT PRODUCTION the well location show of field notes of a sinder my supervision,
	-		PICTUR	ED CL	JICAR	LLA /	PACHE		,	I hereby conterein is true knowledge and Original GILBERT GILB	ond completel. signed by D. NOLA D. NOLA SUPERI UNION 1971 rtify that the plotted from the plotted fro	ND, JR. AND, JR. INTENDENT PRODUCTION The well location show om field notes of a under my supervision, correct to the best of the state of the s

Conoco, Inc. Jicarilla K #14 Section 11, T-25-N, R-5-W, O Rio Arriba County, New Mexico

RE: Application for Downhole Commingling

Offset Operators:

Conoco, Inc. Is the only offset operator