											/		
DATE IN	6/20/	97	SUSPENSE 7	0/	97	ENGINEER	DC	U	OGGED BY	KV	TYPE	DHC	
				T						,			

#### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

#### ADMINISTRATIVE APPLICATION COVERSHEE

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS ONGERVATION **Application Acronyms:** [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-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] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] TYPE OF APPLICATION - Check Those Which Apply for [A] [1] Location - Spacing Unit - Directional Drilling [A] □ NSL □ NSP Check One Only for [B] and [C] Commingling - Storage - Measurement Bl **DHC** CTB □ PLC □ PC OLS OLM OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery ☐ WFX  $\square$  PMX ☐ EOR ☐ PPR [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [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 Œ ☐ For all of the above, Proof of Notification or Publication is Attached, and/or. [F] ☐ Waivers are Attached [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.

Jerry W. Hoover Print or Type Name

Sr. Conservation Coordinator 6-13-97

**DISTRICT II** 

**DISTRICT III** 

P.O. Box 1980, Hobbs, NM 88241-1980

811 South First St., Artesia, NM 88210-2835

## State of New Mexico Energy, Minerals and Natural Resources Department

#### OIL CONSERVATION DIVISION

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

For					
	Ne	W	3-	12	-96

**APPROVAL PROCESS:** Administrative Hearing

**EXISTING WELLBORE** 

#### APPLICATION FOR DOWNHOLE COMMINGLING

1000 Rio Brazos Rd., Aztec, NM 87410-1693 YES NO 10 Desta Dr., Ste 100W, Midland, TX 79705-4500 Conoco Inc. D-12-T-25N-R5W Rio Arriba Jicarilla K 16 County
Spacing Unit Lease Types: (check 1 or more) Well No Unit Ltr Sec Twp Rge 18023 30039-20428 Federal State (and/or) Fee API NO. OGRID NO. 005073 **Property Code** The following facts are submitted in support of downhole commingilng: Intermediate Zone Lower Upper Zone 1. Pool Name and Pool Code Otero Chacra Blanco Mesa Verde Basin Dakota 82329 72319 71599 2. TOP and Bottom of Pay Section (Perforations) Proposed Current 4202' - 4230' 5341' - 5701' 7512' - 7710' 3. Type of production (Oil or Gas) Gas Gas Gas 4. Method of Production (Flowing or Artificial Lilt) Flowing To Flow Flowing 5. Bottom hole Pressure a. а Oil Zones - Artificial Lift: Estimated Current **494 PSIA** 1133 PSIA **829 PSIA** Gas & Oil - Flowing: Measured Current b (Original) b. All Gas Zones: Estimated Or Measured Original **967 PSIA** 2792 PSIA 1133 PSIA 6. Oil Gravity (°API) or Gas BTU Content 1258 - BTU 1265 - BTU 1280 - BTU 7. Producing or Shut-In? **Producing** To Be Completed **Producing** Production Marginal? (yes or no) Yes Expected To Be Yes Split Chacra & Dakota If Shut-In give date and oil/gas/ water rates of last production Date Split Chacra & Dakota by percentages below by percentages below Note: For new zones with no production history after subtraction

applicant shall be required to attach production	atter subtraction		arter subtraction
estimates and supporting data.  • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date Ra <del>tes</del>	Date Incremental Production Rates by subtraction see attached sheet	Date Rates
8. Fixed Percentage Allocation Formula -% for each zone	Oil Gas 16 %	Oil Gas %	Oil Gas 100 % 84 %
<ul> <li>10. Are all working, overriding, and If not, have all working, overriding, and Have all offset operators been</li> <li>11. Will cross-flow occur? X Ye flowed production be recovere</li> <li>12. Are all produced fluids from all</li> <li>13. Will the value of production be</li> </ul>	orting data and/or explaining moderoyalty interests identical in a ding, and royalty interests bee given written notice of the propes.  No If yes, are fluids county and will the allocation formut commingled zones compatible decreased by commingling?	nethod and providing rate project commingled zones? If commingled zones? If notified by certified mail? cosed downhole commingling? If the formations not labe reliable. X Yes Yes Yes X No (If Yes X No (If Yes)	ections or other required data.  \[ \frac{x}{Yes} & \bigcup \ No \\ \frac{x}{X} & Yes \bigcup \ No \\ No \
	Management has been notified	d in writing of this application.	$\frac{X}{X}$ Yes $\frac{X}{X}$ No
15. NMOCD Reference Cases for I	Rule 303(D) Exceptions:	ORDER NO(S).	
* Production curve fo * For zones with no p * Data to support allo * Notification list of a * Notification list of w	r each zone for at least one ye roduction history, estimated pi cation method or formula. Il offset operators. orking, overriding and royalty	s spacing unit and acreage deter. (If not available, attach extended in the supporting interests for uncommon interequired to support commingling.	planation.) data. est cases.
I hereby certify that the informatio	N	to the best of my knowledge a	•

\_TELEPHONE NO. (915)

686-6548

TYPE OR PRINT NAME Jerry W. Hoover

# WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator SOUTHER	N UNION PRO	DUCTION CO		Leose JICAR	ILLA "K"		Well No.	-
Unit Letter	Section	: Township		kange	County			
D	12	25	NORTH	5 WEST	F	IO ARRIBA		
Actual Factage Loca	tion of Well:							
960	feet from the	NORTH	line and	790	feet from the	WEST	line	
Ground Level Elev.	Producing	Formation	1 1	Pool			edicated Avereage:	···
6990.0	1	AKOTA	: 1	BASIN DA	KOTA		<b>V2 - 330</b>	Acres
3. If more than by whitizo	alty), n one lease of c ation, unitizatio	different owne n, force-poolin	rship is dedicing, etc?	ne each and de ated to the well onsolidation	, have the inter	rests of all cv		
If answer is "no necessary.)		ers and tract o	descriptions w	hich h <b>ave</b> actua	nily consolidated	d. (Use rever	se side of this	Form if
No allowable wi pooling, or othe	II be assigned to rwise) or until o	o the well unti u non standard	l all interests l unit, elimina	have been constituting such intere	olidated (by costs, has been a	ommunitization	on, unitization, e Commission.	forced-

# JICARILLA APACHE CONTRACT \$145

SCALE-4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

#### CERTIFICATION

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

ORIGINAL SIGNED BY
B. R. VANDERSLICE

Name

BILL VANDERELICE

Position

AREA SUPERINTENDENT

Company

SOUTHERN UNION PRODUCTION

Date

N

**SEPTEMBER 21, 1971** 

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my s' -4 that the same is true and correct' knowledge and belief.

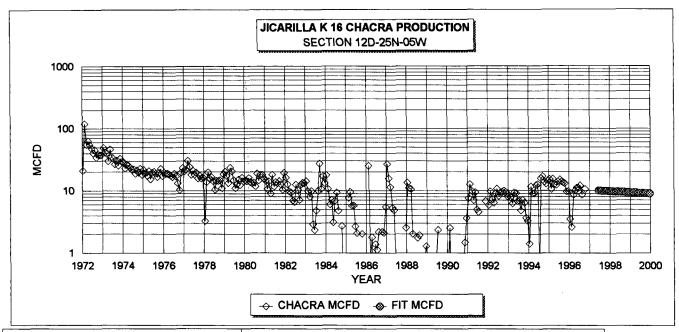
16 September, 197

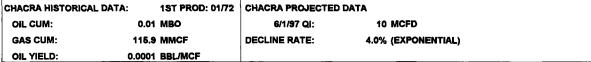
egisteres Professional Engineer V and/19 Egind Surveyor

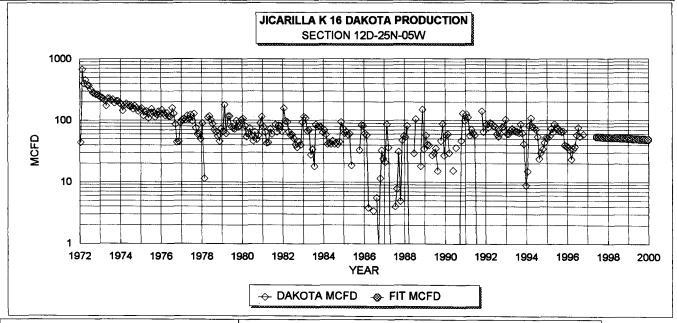
JAMES P. LEESE

1463

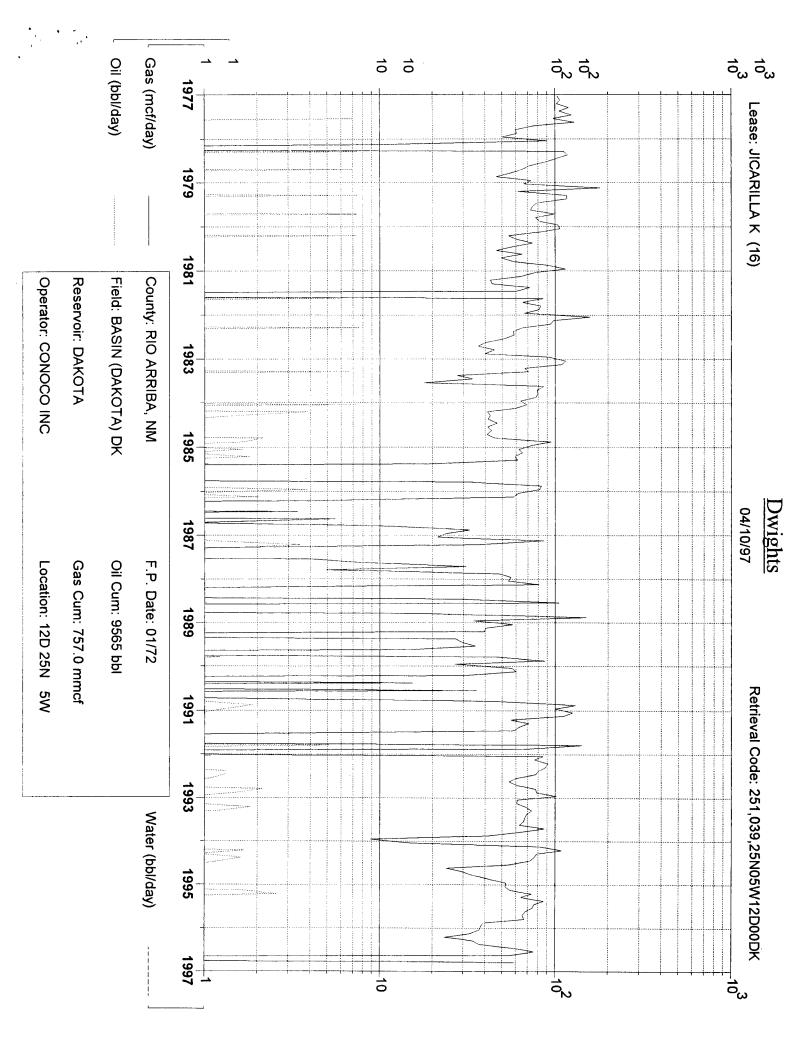
Certificate, No.

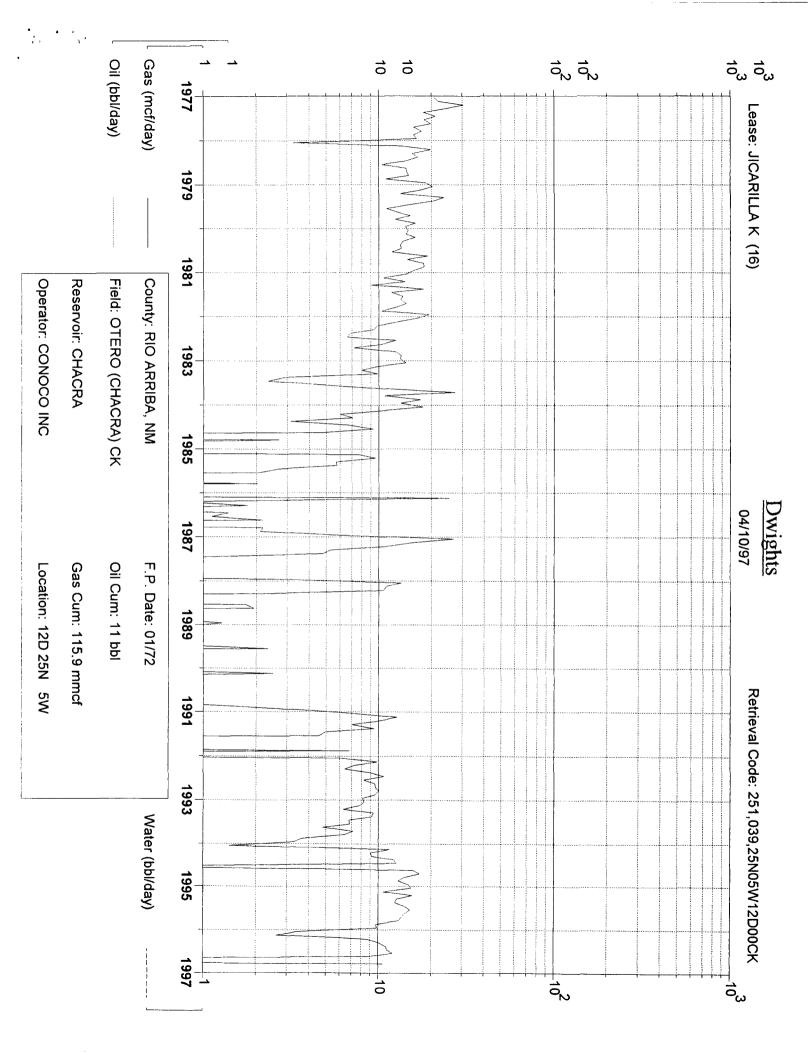






DAKOTA HISTORICAL DATA	1ST PRO	D: 01/72	DAKOTA I	PROJECTED DATA
OIL CUM:	9.6 MBO		6/1/97 Qi:	54 MCFD
GAS CUM:	757.0 MMCF		DECLINE RATE:	4.0% (EXPONENTIAL)
OIL YIELD:	0.0126 BBL/MC	<b>:</b>		,
FIXED COMMINGLE ALLOC	ATION FACTORS:			
	GAS	OIL	GAS ALLOCATIO	N BASED ON PROJECTED 1997 RATES
CHACRA	16%	0%	OIL ALLOCATION	BASED ON WEIGHTED CUM OIL YIELDS
DAKOTA	84%	100%	Α	OTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA





PREPARED BY: PDB

JICARILLA K 16: CHACRA AND DAKOTA FORECAST FOR SUBTRACTION COMMINGLE WITH MESAVERDE 12D-25N-05W

(6-12/97 AVG)

	CHACRA	DAKOTA	TOTAL	CHACRA	DAKOTA
EAR	MCFD	MCFD	MCFD	OIL; BOPD	OIL; BOPD
997	10	53	63	0.0	0.7
998	9.6	52	61	0.0	0.7
999	9	50	59	0.0	0.6
000	9	48	57	0.0	0.6
:001	8	46	54	0.0	0.6
:002	8	44	52	0.0	0.6
2003	8	42	50	0.0	0.5
2004	8	41	48	0.0	0.5
:005	7	39	46	0.0	0.5
:006	7	37	44	0.0	0.5
2007	7	36	43	0.0	0.5
2008	6	34	41	0.0	0.4
2009	6	33	39	0.0	0.4
2010	6	32	38	0.0	0.4
2011	6	30	36	0.0	0.4
2012	5	29	35	0.0	0.4
2013	5	28	33	0.0	0.4
2014	5	27	32	0.0	0.3
2015	5	26	31	0.0	0.3
2016	5	25	29	0.0	0.3
2017	4	24	28	0.0	0.3
2018	4	23	27	0.0	0.3
2019	4	22	26	0.0	0.3
2020	4	21	25	0.0	0.3
2021	4	20	24	0.0	0.3
2022	4	19	23	0.0	0.2
2023	3	19	22	0.0	0.2
2024	3	18	21	0.0	0.2
2025	3	17	20	0.0	0.2
2026	3	17	20	0.0	0.2
2027	3	16	19	0.0	0.2
2028	3	15	18	0.0	0.2
2029	3	15	17	0.0	0.2
2030	3	14	17	0.0	0.2

# JICARILLA K #16 OFFSET OPERATORS

CONOCO. INC. MEDIT ENERGY CORP.	CONOCO. INC.	BUILLINGTON NESOUNCES EL PASO EXPL. CO.
2	<b>1</b>	6
CONOCO, INC. MERIT ENERGY CORP.	CONOCO, INC.	DURLINGTON RESOURCES EL PASO EXPL. CO.
11	The second secon	
		7
AMOCO PROD.	AMOCO PROD.	CHNOCA, INC.
14	13	18

Township 25N --- Range 5W

Conoco, Inc.

Form C-107-A, Application for Downhole Commingling

Filing date: June 13, 1997

#### Offset Operators for Wells as listed below:

Jicarilla K, Well #II
Marathon Oil Co.
Burlington Resources
Amoco Production Co.

Jicarilla K, Well #17
Burlinton Resources
Amoco Production

Jicarilla K, Well #16
Burlington Resources
Amoco Production

Newsom, Well #17E Amoco Production Onyder Oil Co. Robert R. Click

Jicarilla K, Well #I5E Burlington Resources

Jicarilla E, Well #10
Burlington Resources

Jicarilla E, Well #12
Burlington Resources

Federal, Well #I3E Burlington Resources Caulkins Oil Co.

AXI Apache J, Well #18A Amoco Production Elm Ridge Resources

Federal, Well #IIE Caulkins Oil Co. Amoco Production Burlington Resources

Reames COM, Well #2 Caulkins Oil Co. Burlington Resources Conoco, Inc. Form C-I07-A, Application for Downhole Commingling Filing Date: June I3, I997 Address List for Offset Operators

RE: Jicarilla K, Well #11, Jacarilla K, Well #17, Jicarilla K, Well #16, Newsom, Well #17E, Jicarilla K, Well #15E, Jicarilla E, Well #10, Jicarilla E, Well #12, Federal, Well 313E, AXI Apache J, Well #18A, Federal, Well #11E, Reames COM, Well #2

Marathon Oil Co., Box 552, Midland, Texas 79702

Burlington Resources, c/o Meridian Oil, Inc., Box 51810, Midland, Texas 79719-1810

Amoco Production Co., Exploration & Production Sector, Box 489I, Houston, Texas 772I0

Caulkins Oil Co., Box 340, Bloomfield, NM 87413

Elm Ridge Resources, Box 3946, Farmington, NM 87499

Snyder Oil Co., no longer an operator in the New Mexico Aztec District as per District Office.

Robert R. Click, no longer an operator in the New Mexico Aztec District as per District Office.

#### P 497 368 595

### US Postal Service Receipt for Certified Mail

Amoco Production Co. Expl. & Prod. Sector Box 4891 Houston, Texas 77210

	Postage	\$ 1.93
	Certified Fee	1.35
	Special Delivery Fee	
_	Restricted Delivery Fee	
233	Return Receipt Showing to Whom & Date Delivered	1.10
	Return Receipt Showing to Whom, Date, & Addressee's Address	
	TOTAL Postage & Fees	\$ 4.38
	Postmark or Date	
DOOR HILLO	6-18	-97

#### P 497 368 594

#### US Postal Service Receipt for Certified Mail

Burlington Resources c/o Meridian Oil, Inc. Box 51810 Midland, Texas 79710-1810

#### P 497 368 597

US Postal Service
Receipt for Certified Mail

Elm Ridge Resources Box 3946 Farmington, NM 87499

	Postage	\$ :78
	Certified Fee	1.35
	Special Delivery Fee	
	Restricted Delivery Fee	
April 1995	Return Receipt Showing to Whom & Date Delivered	1.10
	Return Receipt Showing to Whom, Date, & Addressee's Address	
8	TOTAL Postage & Fees	\$ 3.23
PS Form 3800	Postmark or Date	-97

#### P 497 368 593

## US Postal Service Receipt for Certified Mail

Marathon Oil Co. Box 552 Midland, Texas 79702

	Postage	\$ .78
	Certified Fee	1.35
	Special Delivery Fee	
••	Restricted Delivery Fee	
April 1995	Return Receipt Showing to Whom & Date Delivered	1.10
April	Return Receipt Showing to Whom, Date, & Addressee's Address	
800	TOTAL Postage & Fees	\$ 3.23
PS Form 3800	Postmark or Date	8-97

# P 497 368 596 US Postal Service Receipt for Certified Mail

Caulkins Oil Co. Box 340 Bloomfield, NM 87413

\$ 1.24
\$ 1.24 1.35
1.10
\$ 3.49