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April 30, 1996

Mr. William J. LeMay, Director New Mexico Oil Conservation Division 2040 S. Pacheco Street P. O. Box 6429 Santa Fe, NM 87505

Application for Exception to Rule 303-C - Downhole Commingling Ludwick A #1E Well Unit D Section 19-T30N-R10W Basin Dakota and Blanco Mesaverde Pools San Juan County, New Mexico

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely. Pamela W. Staley

Pamela W. Staley

Enclosures cc: Mike Kutas Patty Haefele Wellfile Proration File Frank Chavez, Supervisor NMOCD District III 1000 Rio Brazos Road Aztec, NM 87410

Duane Spencer Bureau of Land Management 1235 La Plata Hwy. Farmington, NM 87401 DISTRICT II

DISTRICT III

LUDWICK A

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

1000 Rio Brazos Rd. Aztec, NM 87410-1693

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

1E

Well No

X Administrative Hearing

EXISTING WELLBORE XYES NO

APPLICATION FOR DOWNHOLE COMMINGLING

Amoco Production Company

P.O. Box 800 Denver, CO 80201

D-19-30N-10W

Unit Ltr. - Sec Twp - Roe

San Juan County

Spacing Unit Lease Types: (check 1 or more)

X_Yes

X_Yes

Yes

No

No

No

Federal x State (and/or) Fee Property Code 000812 API NO. _______3004525467 OGRID NO. 000778

The following facts are submitted in support of downhole commingling:	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)	4920' - 5385'		7188' - 7362'		
3. Type of production (Oil or Gas)	GAS		GAS		
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING		
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	^(Current) 967 PSI (EST) a.	a.	^{a.} 646 PSI		
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) 1297 PSI b.	b.	^{b.} 2710 PSI		
6. Oil Gravity (° API) or Gas BTU Content	1150 BTU / 53 DEG API		1138 BTU		
7. Producing or Shut-In?	NEW		PRODUCING		
Production Marginal? (yes or no)	NO		YES		
If Shut-In, give data and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date Rates:	Date Rates:		
 If Producing, give date and oil/gas/water rates of recent test (within 60 days) 	(EST) Date: 250 MCFD Rates: 1 BCPD 1 BWPD	Date: Rates:	4/96 Date: 128 MCFD Rates: 0 BCPD 0 BWPD		
8. Fixed Percentage Allocation Formula -% for each zone	Oil: Gas %: %	Oil: Gas %: %	Oil: Gas %: %		

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? Have all offset operators been given written notice of the proposed downhole commingling?

11. Will cross-flow occur? ___ Yes _X_ No if and will the allocation formula be reliable. _ _Yes _X_No if yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, _Yes ____ No (If No, attach explanation)

- 12. Are all produced fluids from all commingled zones compatible with each other? _X_Yes ___No
- 13. Will the value of production be decreased by commingling? ____ Yes _X_ No (If Yes, attach explanation)
- 15. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. _X_ Yes ____ No SF-078194

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. XX SEE ATTACHED
- * 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.

I hereby certify that the information above is true and complete to the best of my	knowledg	ge and belief.
SIGNATURE Jon Kal Making	TITLE	REGULATORY AFFAIRS REP DATE4/23/96
TYPE OR PRINT NAME PAMELA W. STALEY		TELEPHONE NO. (303) 830-5344

APPROVAL PROCESS:

Form C-107-A

New 3-12-96

OFFSET WELLS USED TO ESTIMATE MESAVERDE PRODUCTION AVERAGE STABILIZED RATES FROM NEWER WELLS

Schumacher 10A	P-18-30-10	225 MCFD
Sellers Federal LS #2M	30-30-10	200 MCFD

ALLOCATION METHOD

Allocation shall be established by testing the Mesaverde after frac and cleanup and before removing the bridge plug. Once that rate is established, the allocation will be set at the percentage contributed by the existing Dakota and the new rate established in the Mesaverde. We will forward those allocation percentages to you after the Mesaverde completion has been established.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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DIL CONSERVATION DIVISION

P. O. BOX 2068

SANTA FE, NEW MEXICO 87501

Form: C-102 Revised: 10-1-78

	All dist	nces must the from	the cuter hounder	les of the Section				
Operator		1	Lease	<u></u>	••••••••••••••••••	Well No.		
TENNECO OIL COMPANY			LUDWICK "A"			lE		
	tion Townshi	p	Range	County				
ם	19	30N	10W	San	Juan			
Actual Footage Location								
1050 m	et from the North	line and	790	feet from the	West	line		
Ground Level Elev.	Producing Formation		Pool		·	Dedicated Acreage:		
6307	Dakota		Basin I	akota		320 Acres		
	creage dedicated to t						-	
2. If more than interest and re	one lease is dedicat oyalty).	ed to the well,	outline each ar	id identify the	ownership the	ereof (both as to workin all owners been consol		
	nunitization, unitizati	on, force-poolin						
this form if ne No allowable v	cessary.) will be assigned to the	e well until all	interests have b	een consolidat	ted (by comm	unitization, unitization approved by the Commis	- n,	
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10501			RECEIV	1 1	toined here	CERTIFICATION artify that the information con in is true and complete to th knowledge and belief.		
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	Sec.				Company Tenneo Date	r Production Analy co Oil Company 29, 1982	<u>/st</u>	
SF-078194 TOC 50% Conoco 50%	 Lydwick A-1 -52-	19			shown on th notes of a under my s	certify that the well location his plat was plotted from fiel ctual surveys made by me of upervision, and that the sam d correct to the best of m and belief.	ld or ne	
					Date Surveye July 7 Registered P and/or tanks Pred B Certificate No	1902 Allo		

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District 1 PO-Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III 1989 Ris Brazos Rd., Aziec, NM 87410 District IV 2048 South Pacheco, Santa Fe, NM 87505

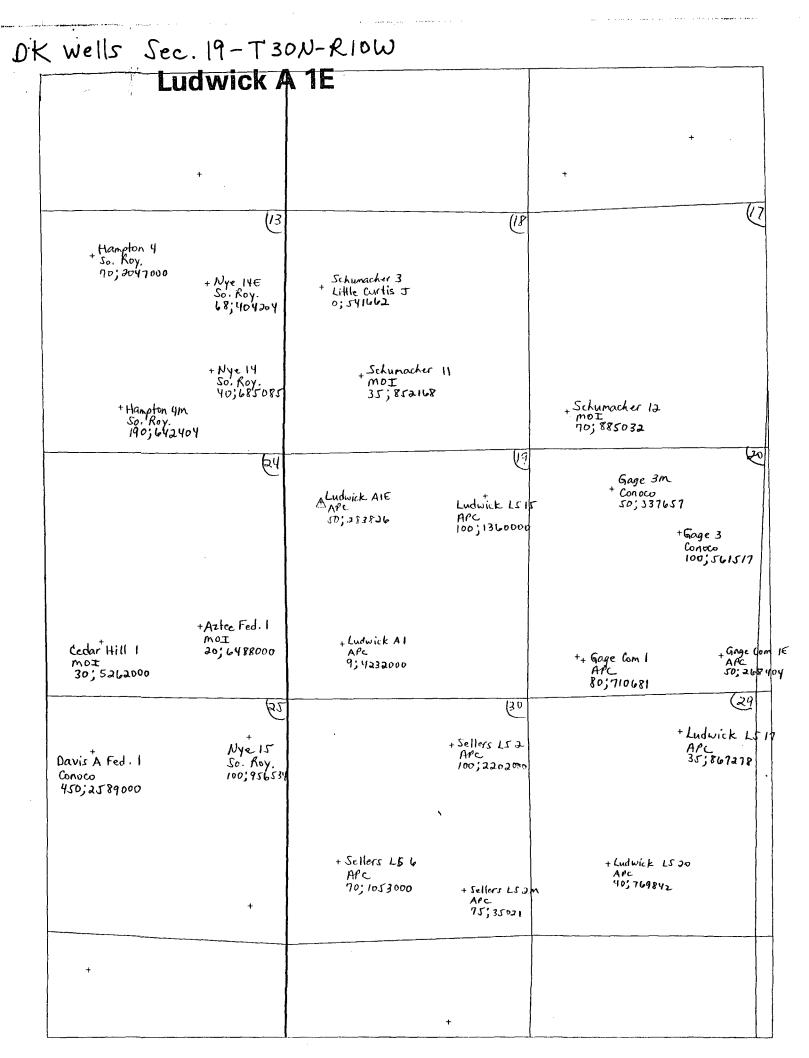
State of New Mexico Energy, Minerals & Natural Resources Department

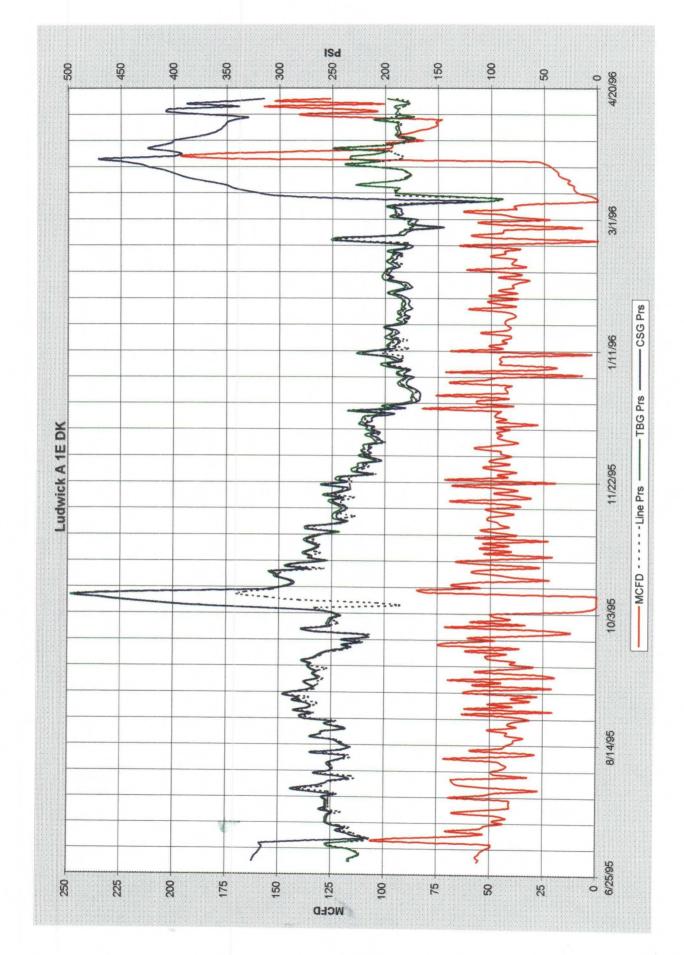
OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT										
, · · · · · · · · · · · · · · · · · · ·	API Number ³ Pool Code ³ Pool Name									
30-045-	25467		72319 Blanco Mesaverde							
* Property (Code		¹ Property Name						Well Number	
000812		Ludy	wick A lE							
'OGRID !	No.				' Operator	Name		I	63	* Elevation 07 [†]
000778	1	Amoco	Produ	ction (Company	T contine :	<u></u>		0.5	107
					¹⁰ Surface		Feet from the		. M	
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D	19	30N	10W		1050	North		west		Sall Suall
UL or let no.	Section	Towaship		Lot Ida	Feet from the	f Different Fro	Feet from the	East/We	4 IÎ	T. Garage
UL OF WAL BO.	Secuos	Townselb	Range	Locias	Feet from the	North/South une	F.C.(1108) 184	EANU WE	IL HIDE	County
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A		OR A	NON-ST	ANDARD	UNIT HAS BI	EEN APPROVED	BY THE DIV	ISION		
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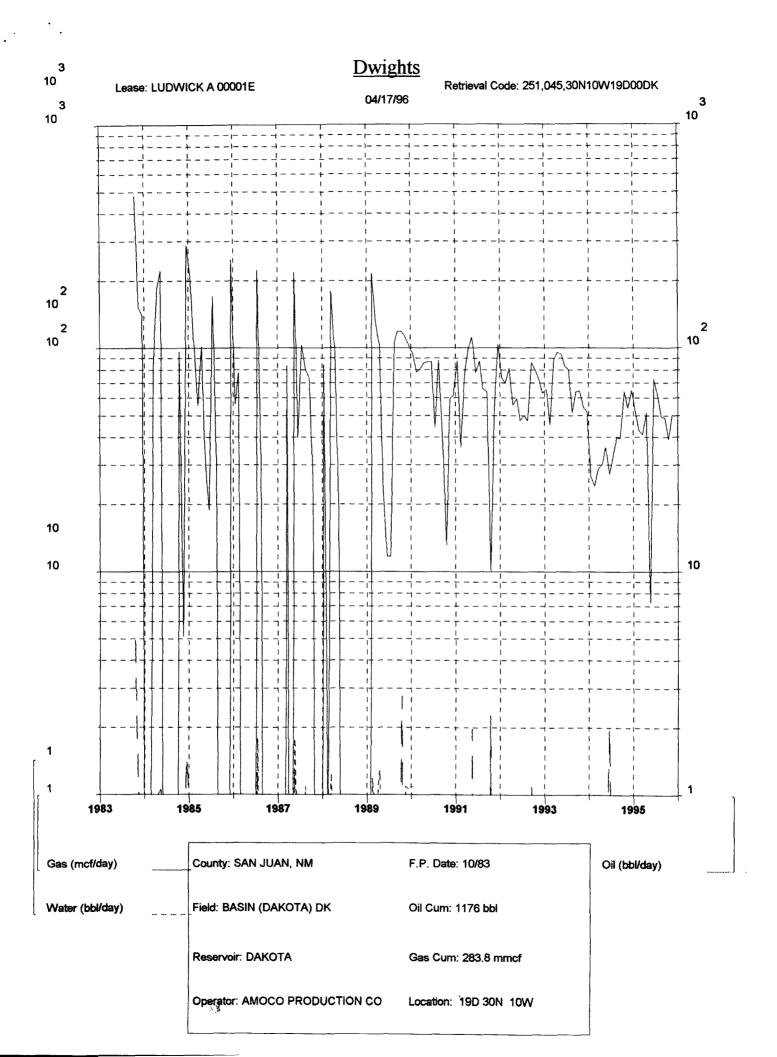


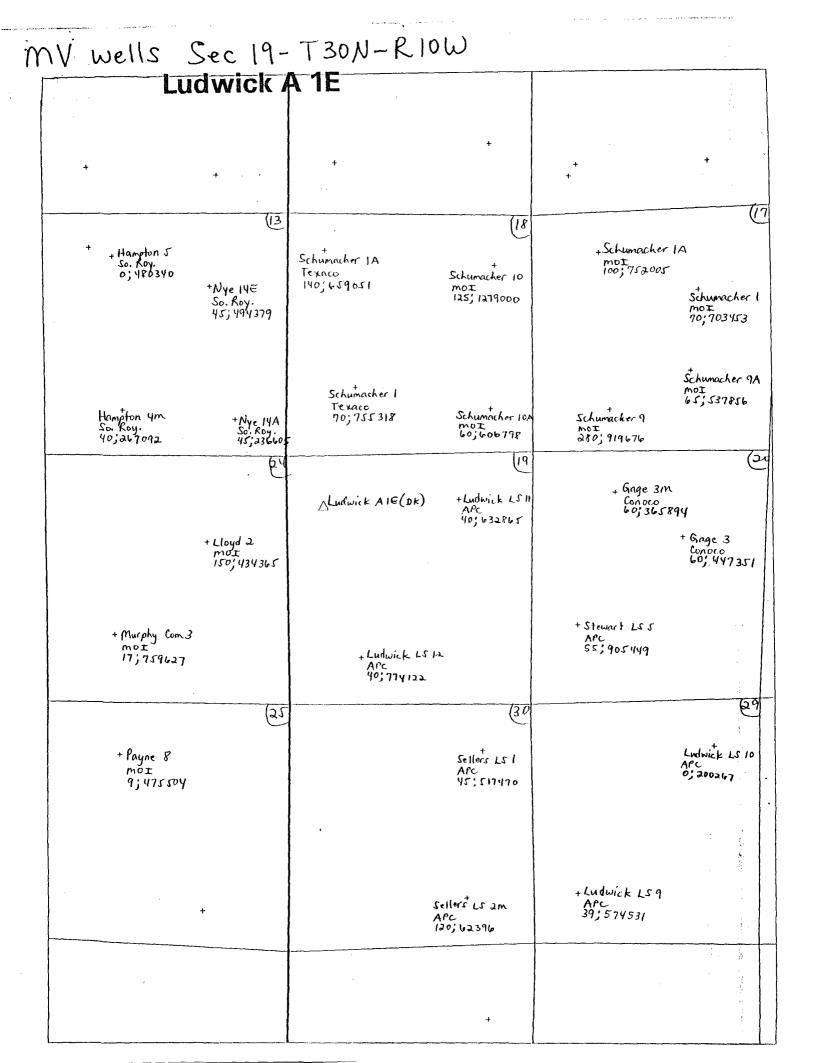


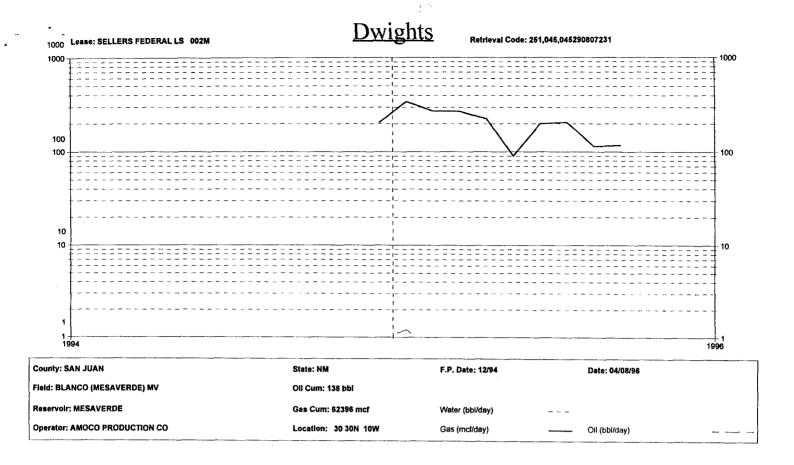
LUDWKA1E Chart 1

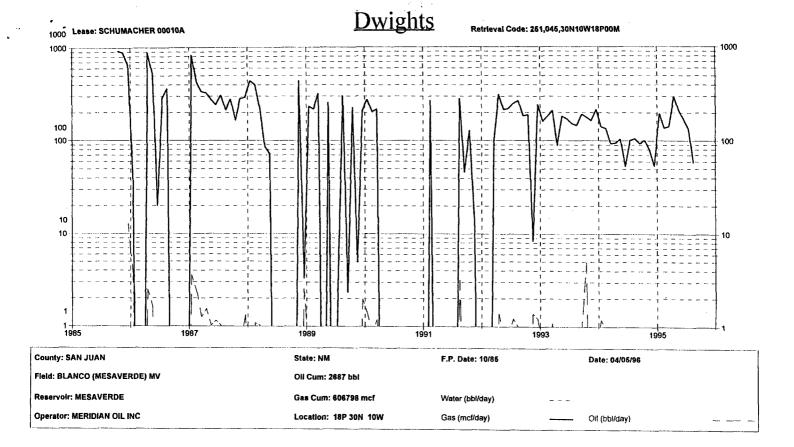
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OFFSET OPERATORS LUDWICK A #1E

Meridian Oil, Inc. P.O. Box 4289 Farmington, NM 87499

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Texaco E&P Inc. P.O. Box 2100 Denver, Colorado 80201