



Southern
Rockies
Business
Unit

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

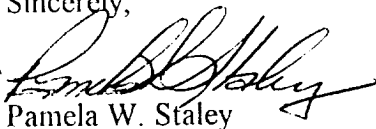
RECEIVED
MAY - 2 1996
OIL CON. DIV.
DIST. 3

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

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

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

X Administrative ___ Hearing

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
X YES ___ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator	1E	Address	San Juan
LUDWICK A		D-19-30N-10W	
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000812 API NO. 3004525467 Federal x State (and/or) Fee

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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated or Measured Original	a. (Current) 967 PSI (EST) b. (Original) 1297 PSI	a. b.	a. 646 PSI 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

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.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-102

Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

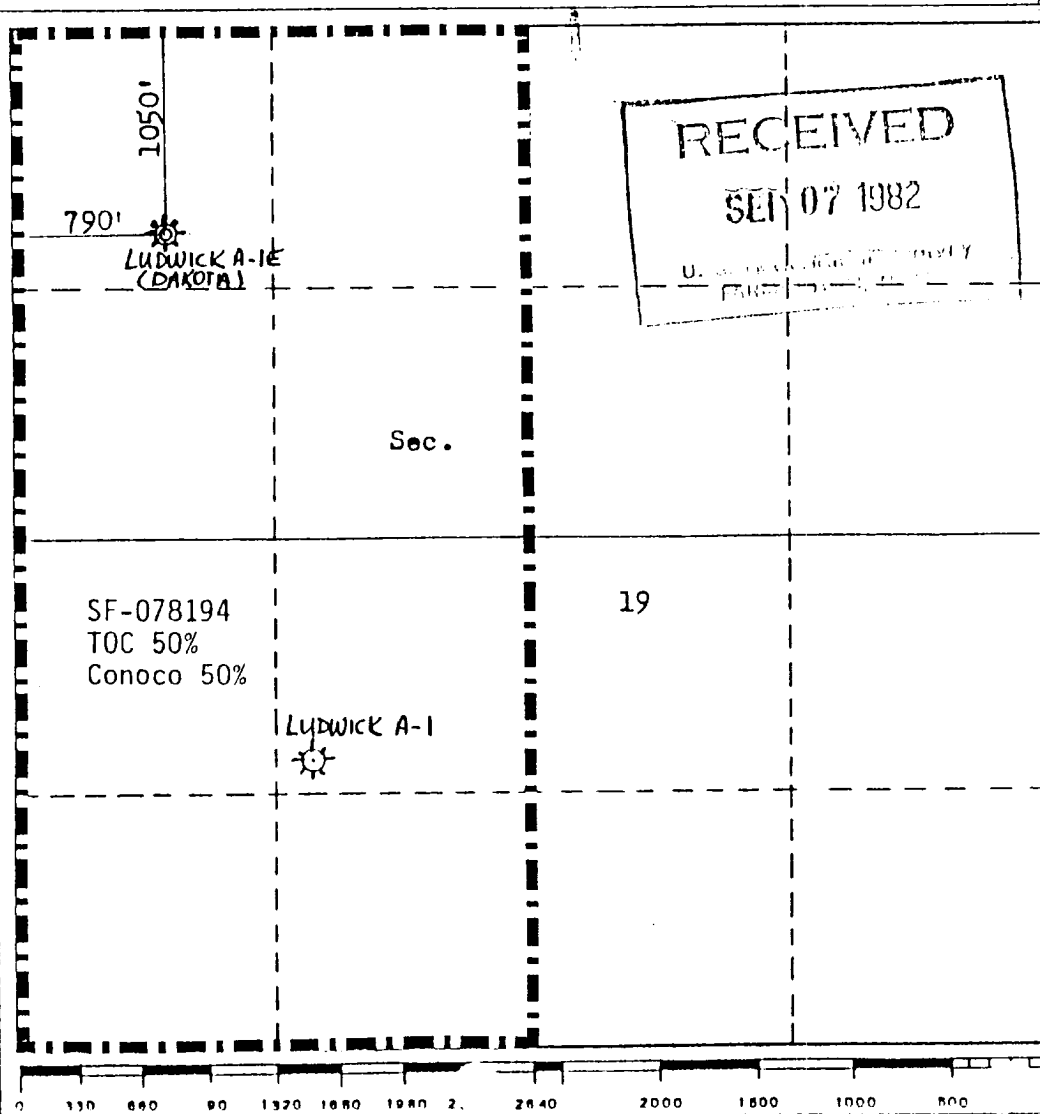
Operator TENNECO OIL COMPANY			Lease LUDWICK "A"		Well No. 1E
Unit Letter D	Section 19	Township 30N	Range 10W	County San Juan	
Actual Footage Location of Well: 1050 feet from the North line and 790 feet from the West line					
Ground Level Elev. 6307	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Ken Russell

Name

Ken Russell

Position

Senior Production Analyst

Company

Tenneco Oil Company

Date

July 29, 1982

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

July 29, 1982

Registered Professional Engineer
and/or Land Surveyor*Fred B. Kerr Jr.*
Fred B. Kerr Jr.

Certificate No.

3950

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1800 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 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 30-045-25467		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000812	Property Name Ludwick A		Well Number 1E
OGRID No. 000778	Operator Name Amoco Production Company		Elevation 6307'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	19	30N	10W		1050	North	790	West	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

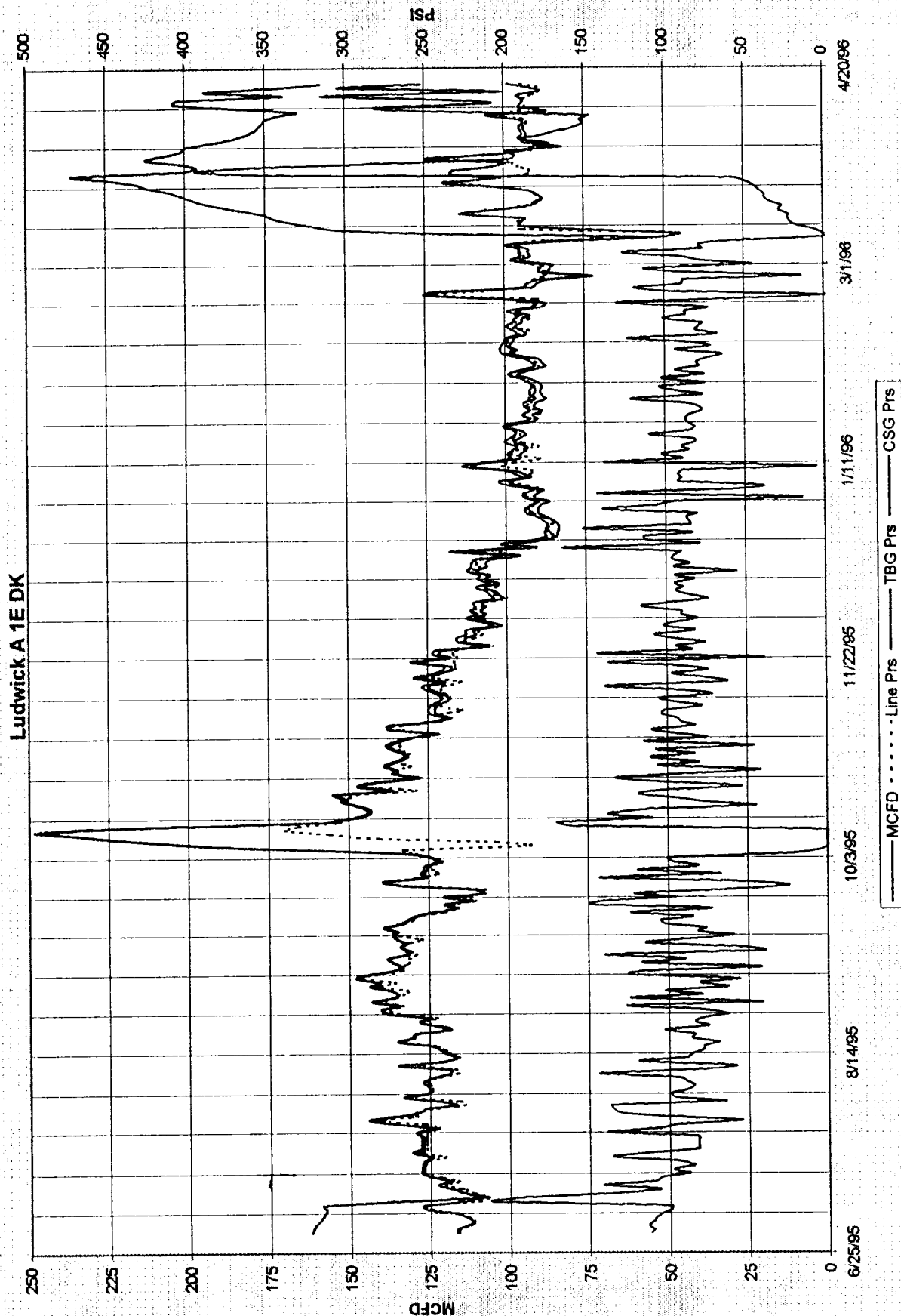
16 1050' 790'					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Patty Haefele</u> Patty Haefele Printed Name Staff Assistant Title Date 4/16/96
					18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 7/7/82 Date of Survey Signature and Seal of Professional Surveyer: on file 3950 Certificate Number

DK wells Sec. 19-T30N-R10W

Ludwick A 1E

(13)		(18)	(17)
+ Hampton 4 So. Roy. 70; 2047000		+ Nye 14E So. Roy. 68; 4104204	+ Schumacher 3 Lille Curtis J 0; 541662
+ Nye 14 So. Roy. 40; 685085		+ Schumacher 11 mOI 35; 852168	+ Schumacher 12 mOI 70; 885032
+ Hampton 4m So. Roy. 190; 642404			
(24)		(19)	(20)
+ Ludwick A1E APC 50; 253326		+ Ludwick LS 15 APC 100; 1360000	+ Gage 3m + Conoco 50; 337657
+ Azlee Fed. 1 mOI 20; 6488000		+ Ludwick A1 APC 9; 4232000	+ Gage 3 Conoco 100; 561517
Cedar Hill 1 mOI 30; 5262000			+ Gage Com 1 APC 80; 710681
			+ Gage Com 1E APC 50; 268404
(25)		(20)	(29)
Davis A Fed. 1 Conoco 450; 2589000		+ Sellers LS 2 APC 100; 2202000	+ Ludwick LS 17 APC 35; 867278
+ Nye 15 So. Roy. 100; 956534			
		+ Sellers LS 6 APC 70; 1053000	+ Ludwick LS 20 APC 70; 769842
		+ Sellers LS 2m APC 75; 35021	

LUDWKA1E Chart 1



Dwights

Lease: LUDWICK A 00001E

Retrieval Code: 251,045,30N10W19D00DK

04/17/96

3
10
3
10

3
10

2
10
2
10

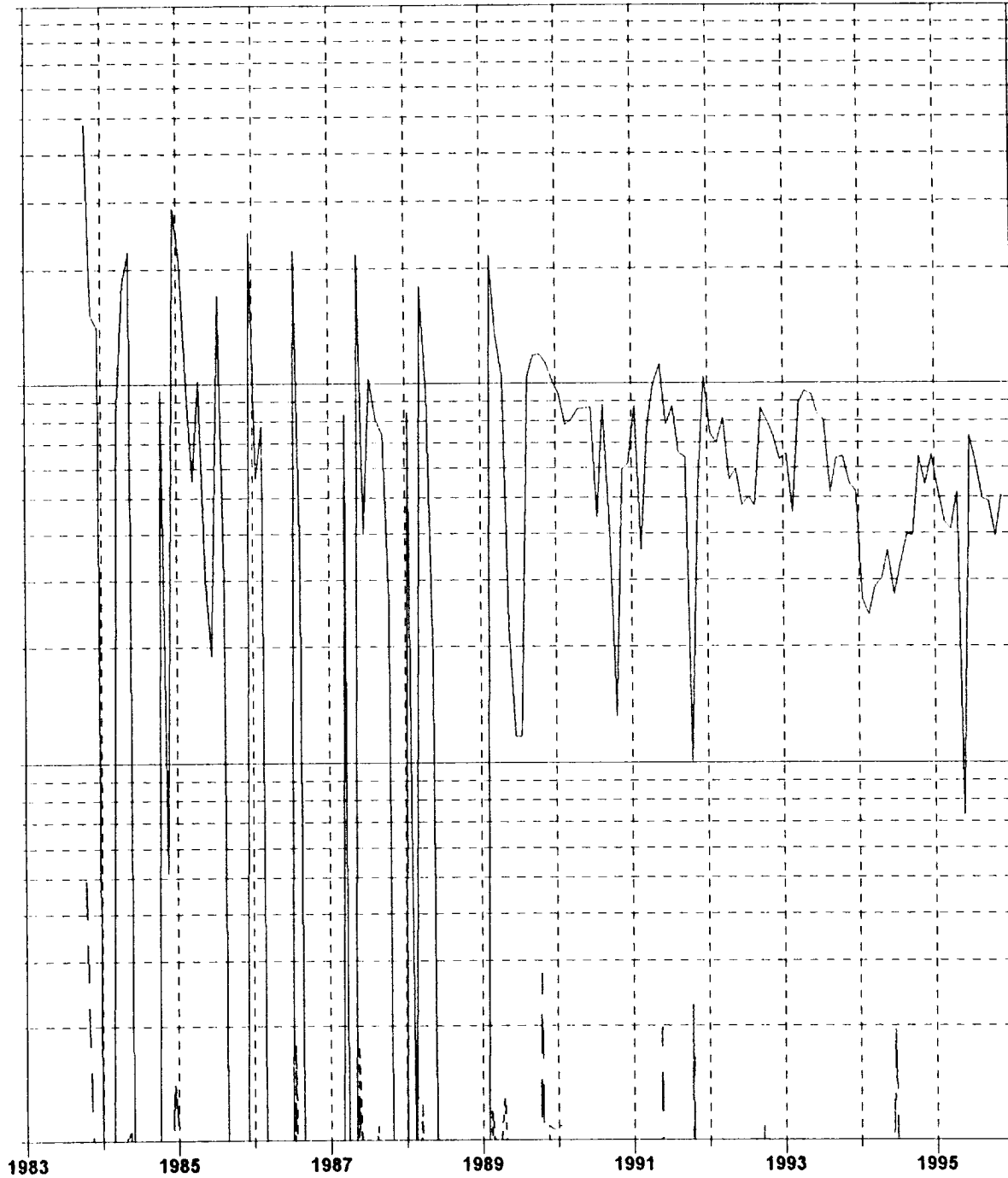
2
10

10
10

10

1
1

1



Gas (mcf/day)

County: SAN JUAN, NM

F.P. Date: 10/83

Oil (bbl/day)

Water (bbl/day)

Field: BASIN (DAKOTA) DK

Oil Cum: 1176 bbl

Reservoir: DAKOTA

Gas Cum: 283.8 mmcf

Operator: AMOCO PRODUCTION CO

Location: 19D 30N 10W

MV wells Sec 19-T30N-R10W

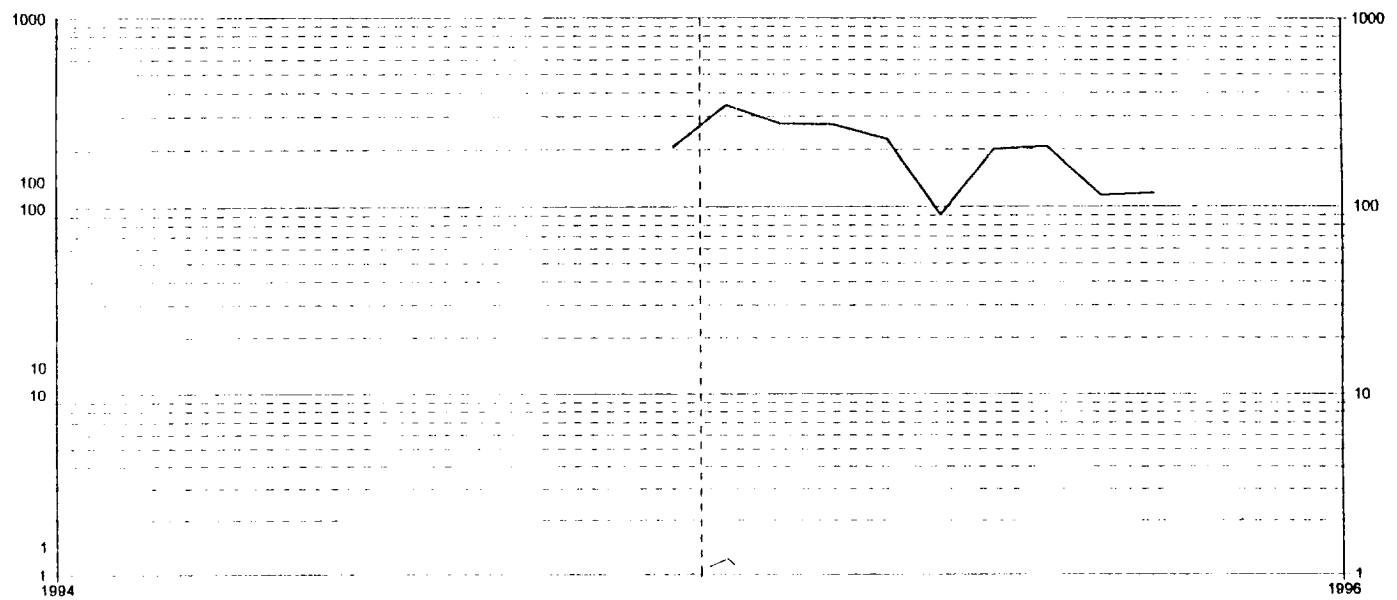
Ludwick A 1E

<p>(13)</p> <p>+ Hampton 5 So. Roy. 0; 480340</p> <p>+ Nye 14E So. Roy. 45; 494379</p> <p>Hampton 4m So. Roy. 40; 267092</p> <p>+ Nye 14A So. Roy. 45; 236605</p>	<p>(18)</p> <p>+ Schumacher 1A Texaco 140; 659051</p> <p>+ Schumacher 10 moI 125; 1279000</p> <p>+ Schumacher 1 Texaco 70; 755318</p> <p>+ Schumacher 10A moI 60; 606798</p>	<p>(17)</p> <p>+ Schumacher 1A moI 100; 712005</p> <p>+ Schumacher 1 moI 70; 703453</p> <p>+ Schumacher 9A moI 65; 537856</p> <p>+ Schumacher 9 moI 280; 919676</p>
<p>(21)</p> <p>+ Lloyd 2 moI 150; 434365</p> <p>+ Murphy Com 3 moI 17; 759627</p>	<p>(19)</p> <p>^ Ludwick A 1E (DK)</p> <p>+ Ludwick LS 11 APC 40; 632865</p> <p>+ Ludwick LS 12 APC 40; 774122</p>	<p>(20)</p> <p>+ Gage 3m Conoco 60; 365894</p> <p>+ Gage 3 Conoco 60; 447351</p> <p>+ Stewart LS 5 APC 55; 905449</p>
<p>(25)</p> <p>+ Payne 8 moI 9; 475504</p>	<p>(30)</p> <p>+ Sellers LS 1 APC 45; 517470</p> <p>+ Sellers LS 2m APC 120; 62396</p>	<p>(29)</p> <p>+ Ludwick LS 10 APC 0; 200267</p> <p>+ Ludwick LS 9 APC 39; 574531</p>

Dwights

Lease: SELLERS FEDERAL LS 002M

Retrieval Code: 251,045,045290807231



County: SAN JUAN

State: NM

F.P. Date: 12/94

Date: 04/08/96

Field: BLANCO (MESAVERDE) MV

Oil Cum: 138 bbl

Reservoir: MESAVERDE

Gas Cum: 62396 mcf

Water (bbl/day)

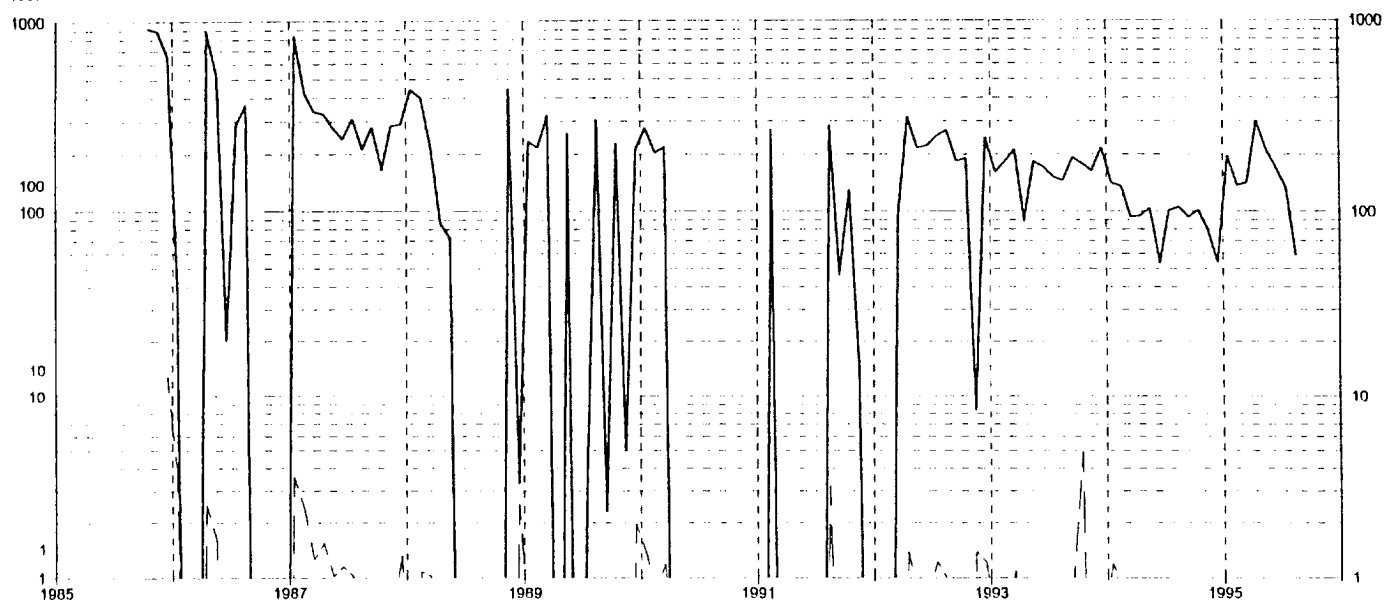
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Operator: AMOCO PRODUCTION CO

Location: 30 30N 10W

Gas (mcf/day)

Oil (bbl/day)



County: SAN JUAN

State: NM

F.P. Date: 10/86

Date: 04/05/96

Field: BLANCO (MESAVERDE) MV

Oil Cum: 2887 bbl

Reservoir: MESAVERDE

Gas Cum: 808798 mcf

Water (bbl/day)

Operator: MERIDIAN OIL INC

Location: 18P 30N 10W

Gas (mcf/day)

Oil (bbl/day)

OFFSET OPERATORS
LUDWICK A #1E

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

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