

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

DISTRICT II  
811 South First St. Artesia NM 88210 2835

DISTRICT III  
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

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

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

Operator

Address

Salmon

1E

B - Section 30, T-29-N, R-11-W

San Juan

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code 003240

API NO. 30-045-24340

Spacing Unit Lease Types (check 1 or more)

Federal ☐ 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	Otero-Chacra 82329		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	2569-2687'		6027-6146'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a (Current) 472 psia	a.	a. 453 psia
Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	b (Original) 1047 psia	b.	b. 1430 psia
6. Oil Gravity (*API) or Gas BT Content	1169		1282
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		No
• If Shut-In give date and oil/gas/water rates of last production	Date Rates	Date Rates	Date Rates
Note For new zones with no production history applicant shall be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates 7/15/97 41 MCFD 0 BOPD/ .2 BWPD	Date Rates	Date Rates 7/15/97 151 MCFD 1.4 BOPD/ 0.7 BWPD
8. Fixed Percentage Allocation Formula - % of each zone	Oil: 3 % Gas 29 %	Oil: % Gas %	Oil: 97 % Gas 71

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? Yes ☒ No ☐  
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No ☐  
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No ☐

11. Will cross-flow occur? Yes ☐ No ☒ If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes ☐ No ☐ (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? Yes ☐ No ☒ (If Yes, attach explanation)

14. 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. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) \_\_\_\_\_

16. ATTACHMENTS

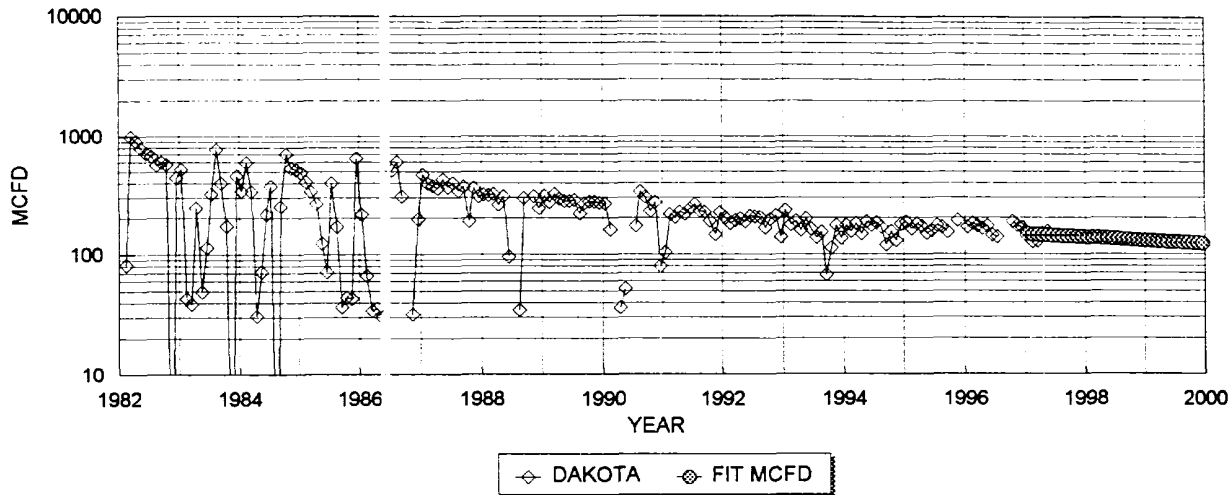
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support 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.

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

SIGNATURE x Jerry W. Hoover TITLE Sr. Conservation Coord DATE 9/12/97

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

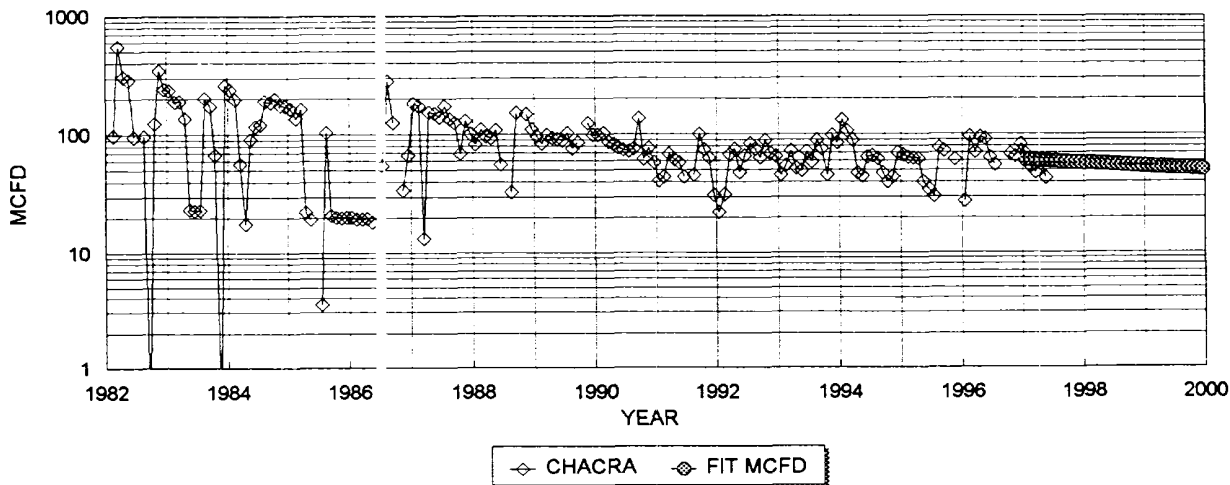
**SALMON #1E DAKOTA PRODUCTION**  
SECTION 30B-29N-11W



**DAKOTA HISTORICAL DATA:** 1ST PROD: 02/82  
OIL CUM: 13.38 MBO  
GAS CUM: 1318.3 MMCF  
OIL YIELD: 0.0102 BBL/MCF

**DAKOTA PROJECTED DATA**  
1/1/97 Qi: 147 MCFD  
DECLINE RATE: 6.0% (EXPONENTIAL)

**SALMON #1E CHACRA PRODUCTION**  
SECTION 30B-29N-11W



**CHACRA HISTORICAL DATA** 1ST PROD: 02/82  
OIL CUM: 0.3 MBO  
GAS CUM: 483.8 MMCF  
OIL YIELD: 0.0007 BBL/MCF

**CHACRA PROJECTED DATA**  
1/1/97 Qi: 61 MCFD  
DECLINE RATE: 6.0% (EXPONENTIAL)

**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
DAKOTA	71%	97%
CHACRA	29%	3%

GAS ALLOCATION BASED ON PROJECTED 1997 RATES  
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

Lease: SALMON (1E)  
Retrieval Code: 251,045,29N11W30B00DK  
07/30/97

10<sup>3</sup>  
10<sup>3</sup>

10<sup>2</sup>  
10<sup>2</sup>

10  
10

1  
1

1979 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999

Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 02/82

Oil Cum: 13.31 mbbl

Gas Cum: 1309 mmcf

Location: 30B 29N 11W

Dwights

Lease: SALMON (1E)

Retrieval Code: 251,045,29N11W30B00CK  
07/30/97

10<sup>3</sup>  
10<sup>3</sup>

10<sup>2</sup>  
10<sup>2</sup>

10  
10

1  
1

1979

1981

1983

1985

1987

1989

1991

1993

1995

1997

19

Gas (mcf/day)

Oil (bbl/day)

County: SAN JUAN, NM

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: CONOCO INC

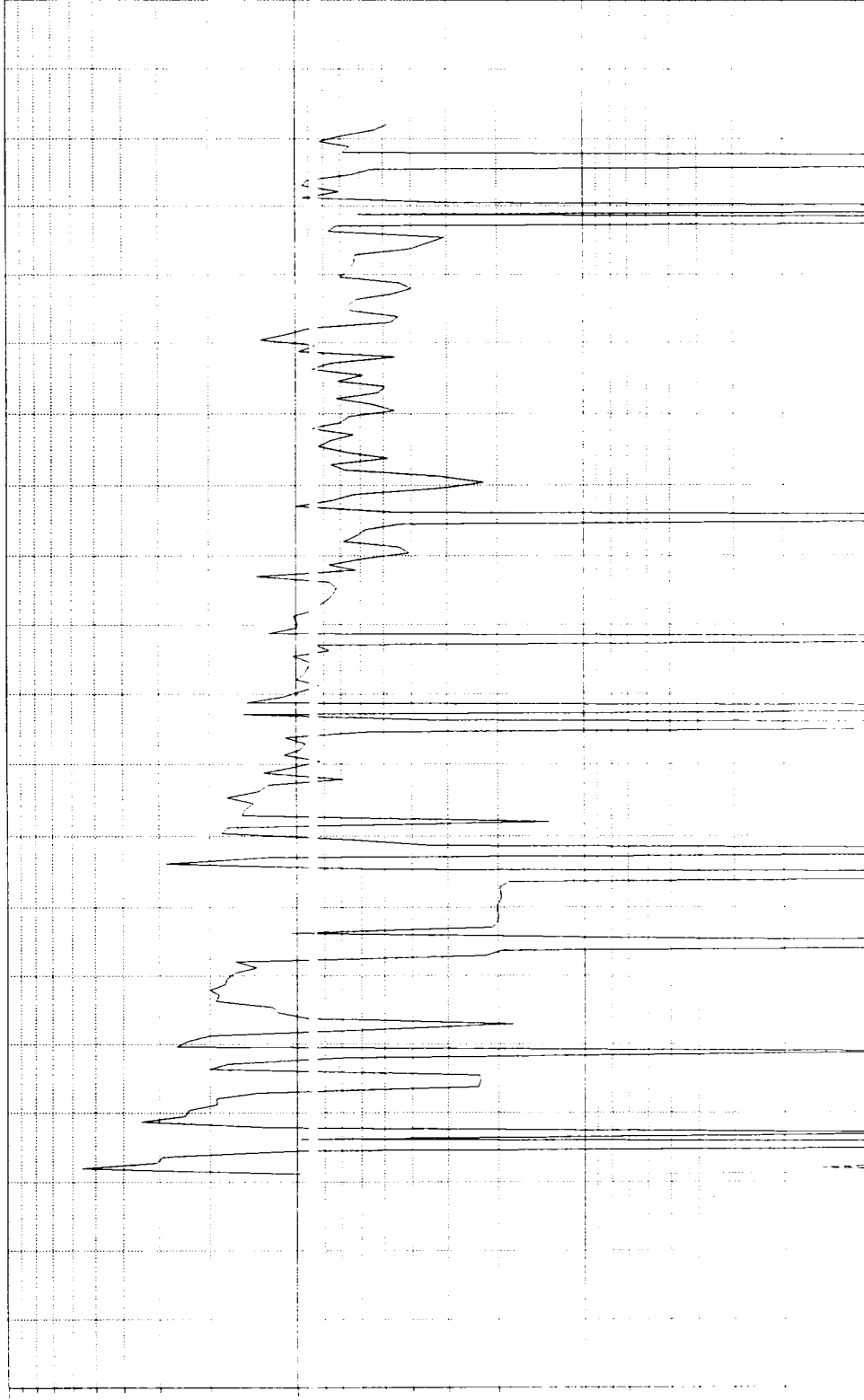
F.P. Date: 02/82

Oil Cum: 316 bbl

Gas Cum: 480.7 mmcf

Location: 30B 29N 11W

Water (bbl/day)



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

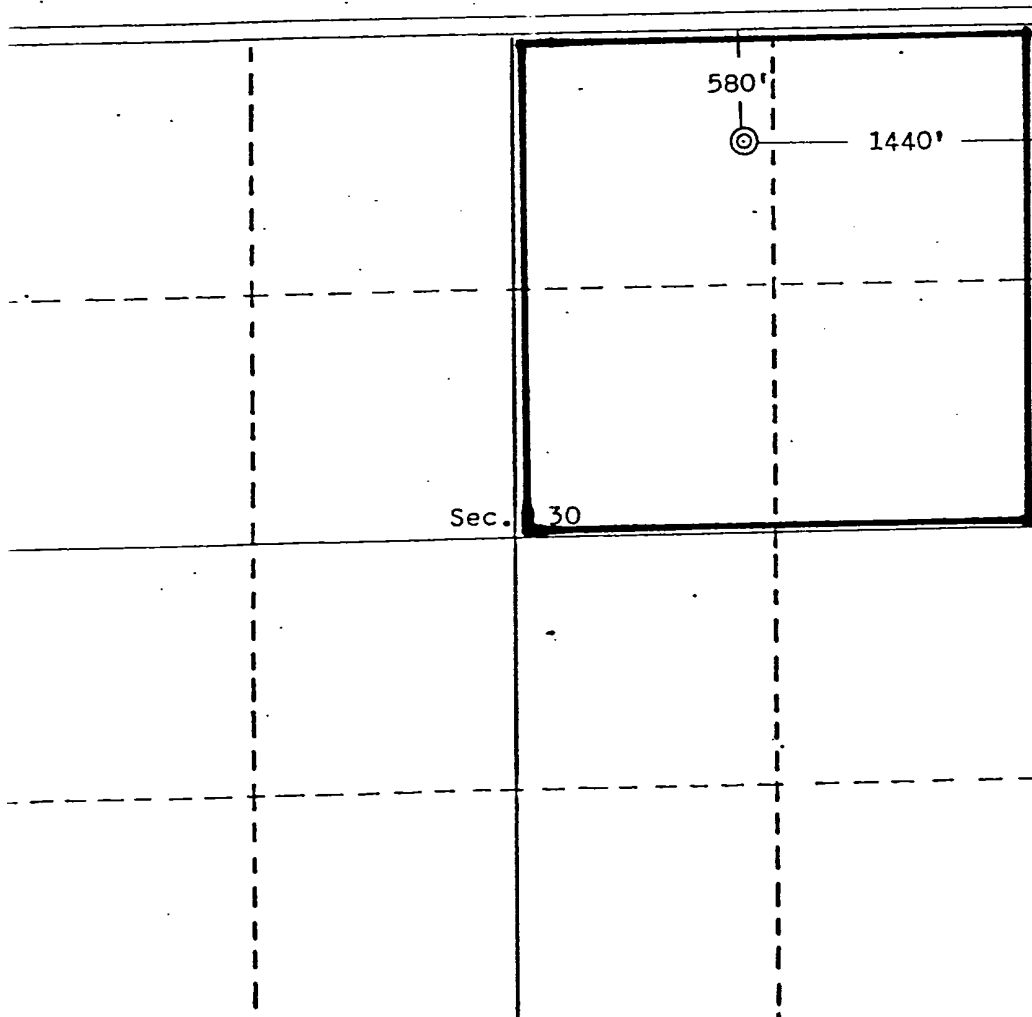
Operator Pioneer Production		Lease Salmon		Well No. 1E	
Section Letter B	Section 30	Township 29 North	Range 11 West	County San Juan	
Actual Footage Location of Well:					
580	feet from the North	line and	1440	feet from the East	line
Ground Level Elev. 5462	Producing Formation Chacra	Pool Undesignated Chacra		Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Division.



CERTIFICATION

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

*Thomas A. Dugan*

Name

Thomas A. Dugan

Position

Agent

Company

Dugan Production Corp.

Date

1-15-82

I hereby certify that the location shown on this plat is from field notes of actual survey 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

June 5, 1981

Registered Professional Engineer and/or Land Surveyor

*Edgar L. Risenkover*

# CONSERVATION DIVISION

MEXICO  
DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

Production Corporation		Lease Salmon		Well No. 1E	
Section 30	Township 29 North	Range 11 West	County San Juan		
Well: from the North line and 1730 feet from the East line					
Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320 Acres	

Page dedicated to the subject well by colored pencil or hatchure marks on the plat below.

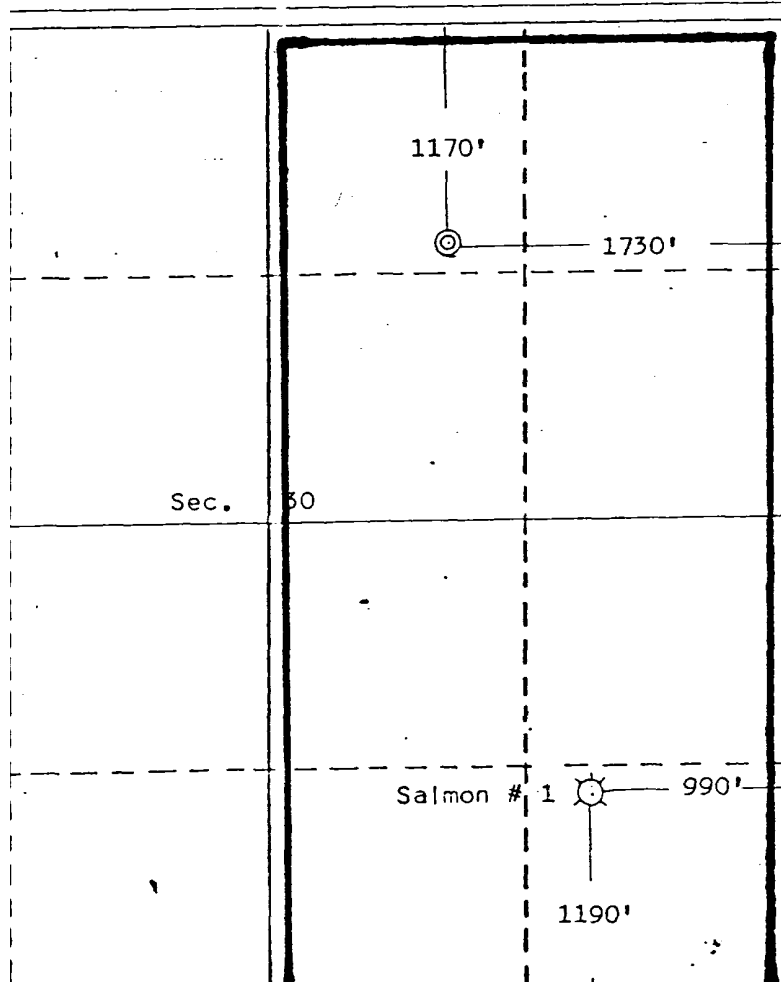
If lease is dedicated to the well, outline each and identify the ownership thereof (both as to working and royalty).

If lease of different ownership is dedicated to the well, have the interests of all owners been consolidated, unitization, force-pooling, etc?

No If answer is "yes," type of consolidation \_\_\_\_\_

If "yes," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of plat if necessary.) \_\_\_\_\_

If not assigned to the well until all interests have been consolidated (by communitization, unitization, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



## CERTIFICATION

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

Name  
Jim L. Jacobs  
Position  
Agent  
Company  
Dugan Production Corp.  
Date  
2-25-81

EDGAR L. RISENHOO  
NEW MEXICO  
5979  
REGISTERED LAND SURVEYOR  
I hereby certify that the well location shown on this plat is 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  
February 15, 1981  
Registered Professional Engineer  
and/or Land Surveyor

21 2 P. 1

## Salmon Well # 1E

<u>Name &amp; Address</u>	<u>Type Interest</u>	<u>Chacra % Int</u>	<u>Dakota % Int</u>
Conoco, A/C Watts Reynolds III STE 2403 500 Throckmorton Ft. Worth, TX 76102-3811	Working	.0150391	.0097982
Carl D. Reimers III Investment Mgmt Acct #01/0628500 C/O Nations Bank Tx N A Agnt for United States Tr Co New York-agent PO Box 840738 Dallas, TX 75284-0738	Working	.0150391	.0097982
Mariposa Properties Inc. 1813 Schofield lane Farmington, NM 87401-2510	Royalty	.0054688	.0027344
Thomas Byrne Reynolds Ste 2403, 500 Throckmorton Fort Woth, TX 76102-3811	Working	.0150391	.0097982
Avis D. Slamon First Fidelity Bank Acct # 5-274-528 1 Lafayette Pl. PO Box 838 Greenwich, CT 06836-0838	Royalty	.2250000	.1500000
Katherine Howard Clifton C/O Howard Energy Inc 931 san Pedro SE Albq., NM 87108-4815	Royalty	.0257811	.0128906
Kathryn V. Schreck Trustee Under Agreement DTD 11-1 PO Box 1563 Aztec, NM 87410-4563	Royalty		.0117188

<u>Name &amp; Address</u>	<u>Type Interest</u>	<u>Chacra % Int</u>	<u>Dakota % Int</u>
Christmann Mineral Company A Texas Corporation PO Box 66 Pinedale, WY 82941-0066	Royalty		.0019531
Devon Enrgy Corporation (Nevada) PO Box 843559 Dallas, TX 75284-3559	Royalty		.0025519
Jerry Dale Winget & Sue Helen Winget Trustess of Jerry Dale Winget & Sue Helen Winget Reoc Trust DTD 4-7-87 371 Venture Out Mesa, Arizona 85205-8091	Royalty		.0117188
Herd Partners, LTD A Texas Limited Partnership PO Box 130 Midland, TX 79702-0130	Royalty		.0012760
Jack Markham STE 1212 1500 Broadway Lubbock, TX 79401-3107	Royalty		.0019531
Burlington Resources Oil & Gas Company PO Box 840656 Dallas, TX 75284-0656	Working Royalty Working	gas oil oil	.1250000 .0156250 .1093750

\*\* Unless indicated interest is same for Gas & Oil



**Conoco, Inc.**  
**Salmon #1E**  
**B- 30 T-29-N, R-11-W**  
**San Juan County, New Mexico**

**Offset Operators:**

Burlington Resources Oil & Gas Co,  
PO Box 4289  
Farmington, NM 87499

Amoco  
PO Box 800  
Denver, CO 80201

Mesa Operating Co.  
2001 Ross Ave Ste 2600  
Dallas, TX 75201

P 497 374 201

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Burlington Resources  
 PO Box 840656  
 Dallas, TX 75284-0656

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

PS Form 3800, April 1995

P 497 374 200

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.

Jack Markham STE 1212  
 1500 Broadway  
 Lubbock, TX 79401-3107

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

PS Form 3800, April 1995

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US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
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Herd Partners, LTD  
 A Texas Limited Partnership  
 PO Box 130  
 Midland, TX 79702-0130

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

PS Form 3800, April 1995

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US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Jerry Dale Winget & Sue  
 DTD 4-7-87  
 371 Venture Out  
 Mesa, Arizona 85205-8091

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

PS Form 3800, April 1995

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US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Chrismann Mineral  
 PO Box 66  
 Pinedale, WY 82941-0066

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

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**Receipt for Certified Mail**  
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Kathryn V. Schreck  
 Trustee Under Agreement  
 PO Box 1563  
 Aztec, NM 87410-4563

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

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US Postal Service  
**Receipt for Certified Mail**  
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Thomas Byrne Reynolds  
 STE 2403, 500 Throckmorton  
 Fort Worth, TX 76102-3811

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

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US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Avis D. Salmon  
 First Fidelity Bank  
 Acct # 5-274-528  
 1 Lafayette Place PO Box 838  
 Greenwich, CT 06836-0838

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

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US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Katherine Howard Clifton  
 C/O Howard Energy Inc  
 931 San Pedro SE  
 Albq., NM 87108-4815

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

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Do not use for International Mail (See reverse)

Mariposa Properties Inc.  
1813 Schofield Lane  
Farmington, NM 87401-2510

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

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US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Carl D. Reimers III  
Investment Mgmt Acct  
# 01/0628500  
PO Box 840738  
Dallas, TX 75284-0738

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

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US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Conoco, A/C Watts  
Reynolds III STE 2403  
500 Throckmorton  
Ft. Worth, TX 76102-3811

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

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P 497 374 202

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Devon Energy Corp.
Street & Number	PO Box 843559
Post Office, State, & ZIP Code	DALLAS, TX 75284-3559
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

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