

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

BURLINGTON RESOURCES OIL & GAS COMPANY PO Box 4289, Farmington, NM 87499

Operator Address
Nye **14E** **G, Sec. 13, T30N, R11W** **San Juan**
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7366 API NO. 30-045-2446100 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	Blanco Mesa Verde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	4582' - 5128'		7014' - 7194'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing	RECEIVED JAN 28 1999	Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured	(Current) a. 442 psia @ 5015'		a. 965 psia @ 7104'
	(Original) b. 1104 psia @ 5015'		b. 2154 psia @ 7104'
6. Oil Gravity (API) or Gas BTU Content	1161 Btu		1144 Btu
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In and oil/gas/water rates of last production <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data</small>	Date: Rates:	Date: Rates:	Date: Rates:
	Date: 9/24/98 Rates: 36 MCFD, 0 BOD, 0 BWD	Date: Rates:	Date: 9/24/98 Rates: 36 MCFD, 0.3 BOD) BWD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: Will supply after commingling	Oil: Gas:	Oil: Gas: Will supply after commingling

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-flow 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 other? 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 *P.M. Pippin* TITLE Production Engineer DATE 01-25-99

TYPE OR PRINT NAME P.M. Pippin TELEPHONE NO. (505) 326-9700

All distances must be from the outer boundaries of the Section

SOUTHLAND ROYALTY COMPANY			Lease NYE		Well No. 14-E
Init Letter G	Section 13	Township 30N	Range 11W	County San Juan	
Actual Footage Location of Well:					
1580 feet from the North line and		1670 feet from the East line			
Ground Level Elev. 6091	Producing Formation Dakota - Mesa Verde		Pool Basin - Blanco		Dedicated Acreage: 320 Acres

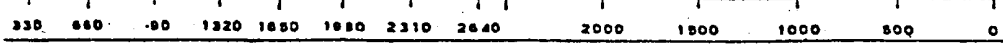
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 Commission.

	CERTIFICATION
	<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Curtis C. Parsons</i></p> <p>Name Curtis C. Parsons</p> <p>Position District Engineer</p> <p>Company Southland Royalty Company</p> <p>Date April 16, 1980</p>
	<p>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.</p>
	<p>Date Surveyed February 16, 1980</p> <p>Registered Professional Engineer and/or Land Surveyor N.C.</p> <p><i>Fred B. Kerr, Jr.</i></p> <p>Certificate No. 3950</p>



Nye #14E
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde	Dakota																																																
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• OIL
 • OIL/GAS
 • GAS
 * WATER

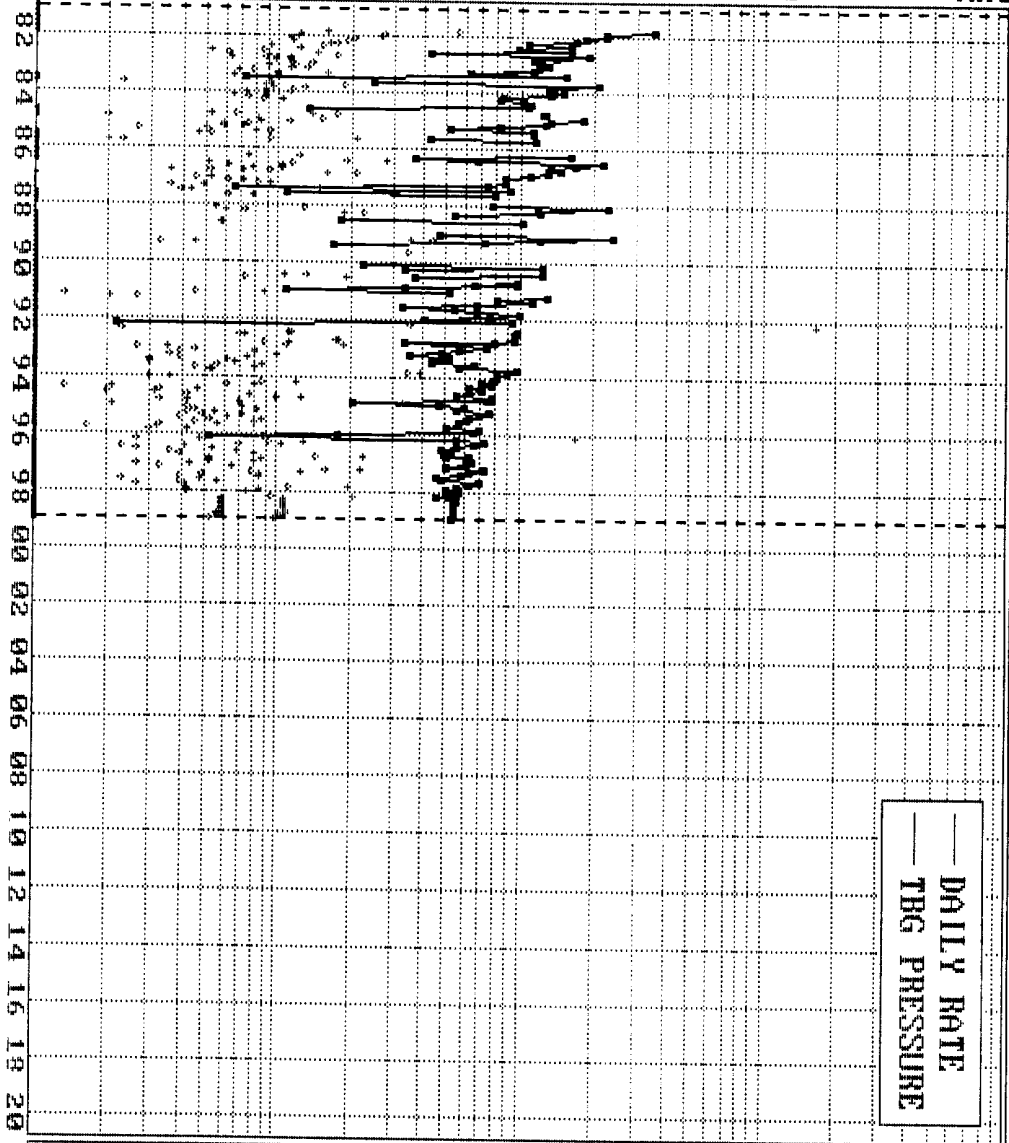
Mcf 100
 1000
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10
 100
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1
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9.1
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NVE : 14E : 53635-1 DAKOTA



— DAILY RATE
 — TBG PRESSURE

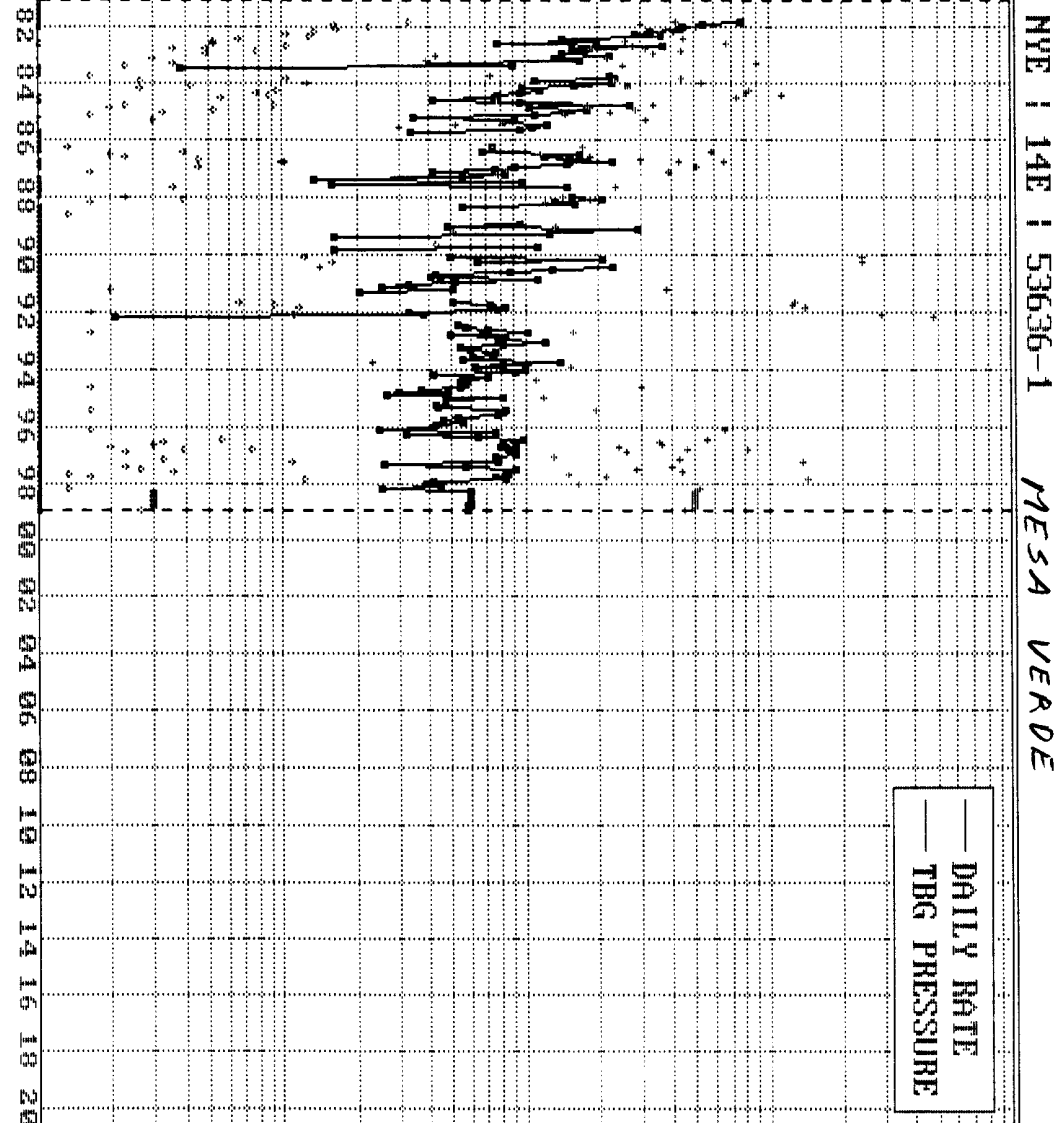
Prop 369 *

- * WATER Bbls/d
- • GAS Mcf/d
- • OIL/GAS Bbl/d
- • OIL Bbl/d

 RateTime
 Semi Log

Major = GAS

0.1 1 10 100 Mcf * OIL
 0.01 0.1 1 10 OIL/GAS
 1 10 100 1000 * GAS
 1 10 100 1000 * WATER



NYE : 14E : 53636-1 MESA VERDE

— DAILY RATE
 — TBG PRESSURE

Prop 370 *

- * WATER Bbls/d
- * GAS Mcf/d
- * OIL/GAS Bbl/m
- * OIL Bbl/d



Major = GAS

Page No.: 1

Print Time: Thu Oct 08 11:07:56 1998

Property ID: 369

Property Name: NYE | 14E | 53635-1 **Dakota**

Table Name: S:\ARIES\KLMWORK\TEST.DBF

--DATE-- ---CUM_GAS-- M SIWHP
Mcf Psi

04/07/81	0	1768.0	Initial
11/17/81	17529	1183.0	
06/24/82	51486	956.0	
04/01/83	86578	914.0	
05/15/85	159807	860.0	
07/20/88	246410	892.0	
11/11/90	281341	936.0	
06/03/92	315451	932.0	
05/19/93	339034	646.0	
8/31/98	448411	800	Based on Pressure vs Cum GAS Curve

Page No.: 2

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Property Name: NYE | 14E | 53636-1 MESA VERDE

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09/30/80	0	953.0	Initial
11/17/81	40506	679.0	
06/24/82	108049	551.0	
04/01/83	159585	521.0	
07/11/84	207289	549.0	
05/15/85	242501	513.0	
08/20/86	271483	532.0	
10/04/89	354589	477.0	
10/15/91	397499	899.0	
11/18/91	402795	887.0	
05/19/93	436647	412.0	
8/31/98	534031	379	Based on Pressure vs Cum GAS CURVE

Nye #14E
Bottom Hole Pressures
Flowing and Static BHP
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BOTTOMHOLE TEMPERATURE (DEG F)	178																																																
FLOWRATE (MCFPD)	0																																																
SURFACE PRESSURE (PSIA)	812																																																
BOTTOMHOLE PRESSURE (PSIA)	965.3																																																
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FARMINGTON

1998 MONTHLY PRODUCTION FOR 53636

PHS030M1

NYE 14E

BLANCO MESAVERDE (PRORATED GAS FIELD

MESAVERDE ZONE

			DAYS =====		OIL =====		=====		GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	31	02			01	1391	31	1130	15.025			
2	2	F	28	02	4		01	778	28	1130	15.025			
3	2	F	31	02			01	1720	31	1130	15.025			
4	2	F	25	02			01	799	25	1123	15.025			
5	2	F	31	02			01	1219	31	1123	15.025			
6	2	F	30	02			01	954	30	1123	15.025			
7	2	F	31	02			01	1284	31	1123	15.025			
8	2	S	25	02			01	943	25	1123	15.025			
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY
PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
PF9 - DISPLAY MONTHLY INJECTION
PRS 10/03/98

00/00/00 00:00:00:0

FARMINGTON

ANNUAL PRODUCTION FOR 53635

PHS020M1

NYE 14E

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

===== OIL CUM =====

===== GAS CUM =====

===== WATER CUM =====

PC DATE

BBLs

PC DATE

MCF

DATE

BBLs

=====

YEAR	OIL	OIL CUM	GAS	GAS CUM	WATER	WATER CUM
1991	26	2425	24941	306618		893
1992	292	2717	22139	328757		893
1993	229	2946	23158	351915		893
1994	142	3088	23765	375680		893
1995	121	3209	21532	397212		893
1996	199	3408	19677	416889		893
1997	205	3613	21227	438116		893
1998	87	3700	10295	448411		893

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY

PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

FARMINGTON
NYE 14E

1998 MONTHLY PRODUCTION FOR 53635

PHS030M1

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

DAYS =====			OIL =====			=====			GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	31	02			01	1600	31	1130	15.025			
2	2	F	28	02	29		01	1413	28	1130	15.025			
3	2	F	31	02	14		01	1659	31	1130	15.025			
4	2	F	25	02	13		01	1443	25	1130	15.025			
5	2	F	31	02	10		01	1297	31	1130	15.025			
6	2	F	30	02	2		01	1059	30	1130	15.025			
7	2	F	31	02	11		01	982	31	1130	15.025			
8	2	S	25	02	8		01	842	25	1143	15.025			
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY
PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
PF9 - DISPLAY MONTHLY INJECTION
PRS 10/03/98

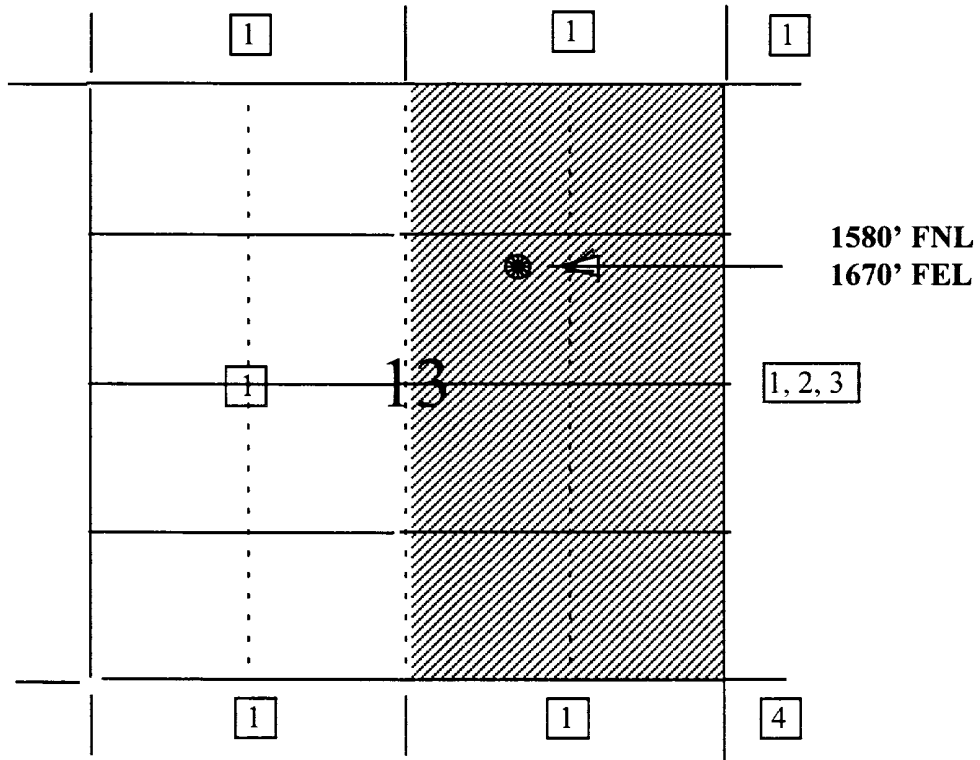
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BURLINGTON RESOURCES OIL AND GAS COMPANY

**Nye #14E
OFFSET OPERATOR \ OWNER PLAT
Downhole Commingle**

Mesaverde / Dakota Formations Well

Township 30 North, Range 11 West



- | | |
|--|---|
| 1) Burlington Resources | 3) Curtis J. Little
P.O. Box 1258
Farmington, NM 87499-1258 |
| 2) Four Star Oil & Gas Company
c/o Texaco Exploration & Production Inc.
ATTN: Rocky D. Holly
Post Office Box 2100
Denver, CO 80201 | 4) Amoco Production Company
San Juan Operation Center
200 Amoco Court
Farmington, NM 87401 |

NYE #14E MESAVERDE/DAKOTA COMMINGLE

<u>ZONE</u>	<u>INT TYPE</u>	<u>NAME</u>			
			DK	ORRI	THERESA B ATLASS LIVING TRUST
DK	GWI	CONOCO INC	DK	ORRI	THOMAS E WILLIAMS JR
DK	NWI	BURLINGTON RESO O&G (SJBT/PBT)	DK	ORRI	UNITED PIPE SUPPLY CO
DK	NWI	CONOCO INC	DK	ORRI	W B ULMER JR
DK	ORRI	AMOCO PRODUCTION COMPANY	DK	ORRI	WILLIAM CARLISLE KIMPLE
DK	ORRI	BARBARA BERNSTEIN	DK	ORRI	WILLIAM HALL NEWBRO JR
DK	ORRI	BILLIE-DALE NEWBRO WILLIAMS	DK	RI	MINERALS MANAGEMENT SERVICE
DK	ORRI	BRADFORD L KIMPLE	<u>ZONE</u>	<u>INT TYPE</u>	<u>NAME</u>
DK	ORRI	CARROLL D BRANYON	MV	ORRI	AMOCO PRODUCTION COMPANY
DK	ORRI	CHARLES H BRADSHAW	MV	ORRI	BARBARA BERNSTEIN
DK	ORRI	CLETUS ODEAN WILLIAMS	MV	ORRI	BILLIE-DALE NEWBRO WILLIAMS
DK	ORRI	DALAL FAHD AL-SOURGI	MV	ORRI	BRADFORD L KIMPLE
DK	ORRI	DAVID G NEWBRO	MV	NWI	BURLINGTON RESO O&G (SJBT/PBT)
DK	ORRI	DORIS WALDMAN	MV	NWI	BURLINGTON RESOURCES O&G CO
DK	ORRI	ELIZABETH A JOHNSON	MV	ORRI	CARROLL D BRANYON
DK	ORRI	ELLIS W DARBY	MV	ORRI	CHARLES H BRADSHAW
DK	ORRI	EST LOUIS T KIMPLE DECD	MV	ORRI	CLETUS ODEAN WILLIAMS
DK	ORRI	EUGENE DEBOGORY ESTATE	MV	ORRI	DAVID G NEWBRO
DK	ORRI	EVELYN SMITH	MV	ORRI	DORIS WALDMAN
DK	ORRI	FIRST PRESBYTERIAN CHURCH	MV	ORRI	ELIZABETH A JOHNSON
DK	ORRI	FORGOTSON FAM PTSHP R/E	MV	ORRI	ELLIS W DARBY
DK	ORRI	FRANKLIN NEWBRO	MV	ORRI	EST LOUIS T KIMPLE DECD
DK	ORRI	GAYNOR NEWBRO WILLSON	MV	ORRI	EUGENE DEBOGORY ESTATE
DK	ORRI	GLADYS K VERRILL TRUST	MV	ORRI	FIRST PRESBYTERIAN CHURCH
DK	ORRI	H W SMITH ESTATE	MV	ORRI	FRANKLIN NEWBRO
DK	ORRI	ILENE GROSS	MV	ORRI	GAYNOR NEWBRO WILLSON
DK	ORRI	J BURTON VETETO	MV	ORRI	GLADYS K VERRILL TRUST
DK	ORRI	JAMES M FORGOTSON III	MV	ORRI	ILENE GROSS
DK	ORRI	JAMES M FORGOTSON JR	MV	ORRI	JEAN B JR & ALINE G MILLER TR
DK	ORRI	JEAN B JR & ALINE G MILLER TR	MV	ORRI	KAREN KIMPLE NOBREGA
DK	ORRI	JIM L SHARP	MV	ORRI	KEYS M ARNOLD
DK	ORRI	JULIE ANN ANTWEIL TRUST	MV	ORRI	LOUIE T KIMPLE TR
DK	ORRI	KAREN KIMPLE NOBREGA	MV	ORRI	LOUIS DREYFUS NATURAL GAS CORP
DK	ORRI	KEYS M ARNOLD	MV	ORRI	LOUIS T KIMPLE JR EST
DK	ORRI	LOUIE T KIMPLE TR	MV	ORRI	MARATHON OIL COMPANY
DK	ORRI	LOUIS DREYFUS NATURAL GAS CORP	MV	ORRI	MELVIN A ASTRAHAN
DK	ORRI	LOUIS T KIMPLE JR EST	MV	RI	MINERALS MANAGEMENT SERVICE
DK	ORRI	MARATHON OIL COMPANY	MV	ORRI	PALMER L LONG
DK	ORRI	MELVIN A ASTRAHAN	MV	ORRI	PAUL AND LAURA ALBRIGHT
DK	ORRI	PALMER L LONG	MV	ORRI	PERRY M BERKE
DK	ORRI	PAUL AND LAURA ALBRIGHT	MV	ORRI	PRISCILLA ANN MILBURN
DK	ORRI	PERRY M BERKE	MV	ORRI	ROBERT W ULMER
DK	ORRI	PRISCILLA ANN MILBURN	MV	ORRI	SCOTT A ARNOLD III
DK	ORRI	ROBERT W ULMER	MV	ORRI	SCOTT C KIMPLE
DK	ORRI	SCOTT A ARNOLD III	MV	ORRI	SHEFFIELD GORDON REVOCABLE TR
DK	ORRI	SCOTT C KIMPLE	MV	ORRI	STEVEN H GORDON
DK	ORRI	SELMA MILLER FORGOTSON ESTATE	MV	ORRI	SUZANNE MARTHA NEWBRO
DK	ORRI	SHEFFIELD GORDON REVOCABLE TR	MV	ORRI	SYRIL ANN JAMES
DK	ORRI	SINGER BROS	MV	ORRI	THERESA B ATLASS LIVING TRUST
DK	ORRI	STEVEN H GORDON	MV	ORRI	W B ULMER JR
DK	ORRI	SUZANNE MARTHA NEWBRO	MV	ORRI	WILLIAM CARLISLE KIMPLE
DK	ORRI	SYRIL ANN JAMES	MV	ORRI	WILLIAM HALL NEWBRO JR