

DATE IN 7/6/99	SUSPENSE 7/26/99	ENGINEER DC	LOGGED KW	TYPE AMEND DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### 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]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling  
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ 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

[E] ☐ 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.

Peggy Bradfield



Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

# **BURLINGTON RESOURCES**

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SAN JUAN DIVISION

June 30, 1999

Mr. David Catanach  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Re: Downhole Commingle Application  
Johnston A Com C #9A  
DHC-2136

Dear Mr. Catanach:

Order DHC-2136 was received December 2, 1998 for the subject well for the Mesa Verde and Dakota formations. This well has been drilled but not yet completed, therefore, no commingling has taken place at this time. Burlington Resources is proposing now to also complete this well in the Gallup formation, and would commingle all three formations.

Enclosed is an application for this well adding the Gallup. We would appreciate your earliest consideration of this application.

Sincerely,

  
Peggy Bradfield  
Regulatory/Compliance Administrator

Encs

Xc: NMOCD – Aztec District Office  
Bureau of Land Management – Farmington

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 :  
\_X\_ Administrative \_\_\_ Hearing  
EXISTING WELLBORE  
\_\_\_ YES \_X\_ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company		PO Box 4289, Farmington, NM 87499	
Operator		Address	
Johnston A Com C	9A	36-27N-6W	Rio Arriba
Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County
Spacing Unit Lease Types: (check 1 or more)			
OGRID NO. 14538	Property Code 7204	API NO. 30-039-25979	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	Gallup	Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion	will be supplied upon completion	will be supplied upon completion
3. Type of production (Oil or Gas)	gas	gas	gas
4. Method of Production (Flowing or Artificial Lift)	flowing	flowing	flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 514 psi (see attachment)	(Current) a. 809 psi (see attachment)	a. 882 psi (see attachment)
	(Original) b. 1259 psi (see attachment)	(Original) b. 1303 psi (see attachment)	b. 2956 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1167	BTU 1191	BTU 1116
7. Producing or Shut-In?	shut-in	shut-in	shut-in
Production Marginal? (yes or no)	no	no	yes
* If Shut-In 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  * If Producing, give data and oil/gas/water rates of recent test (within 60 days)	Date: n/a Rates:	Date: n/a Rates:	Date: n/a Rates:
	Date: n/a Rates:	Date: n/a Rates:	Date: n/a Rates:
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: % will be supplied upon completion

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 \_\_\_X\_\_\_ No  
If not, have all working, overriding, and royalty interests been notified by certified mail? X \_\_\_Yes\_\_\_ \_\_\_No\_\_\_  
Have all offset operators been given written notice of the proposed downhole commingling? X \_\_\_Yes\_\_\_ \_\_\_No\_\_\_
11. Will cross-flow occur? \_\_\_X\_\_\_ 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. \_\_\_X\_\_\_ 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)
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. \_\_\_X\_\_\_ 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 Wayne Fletcher TITLE Production Engineer DATE: 06/14/99  
TYPE OR PRINT NAME B. Wayne Fletcher TELEPHONE NO. ( 505 ) 326-9700

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 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 30-039-25979		*Pool Code 72319/71599	*Pool Name Basin Dakota Blanco Mesaverde/WC;27N6W36E Gallup/
*Property Code 7204	*Property Name JOHNSTON A COM C		*Well Number 9A
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6644'

<sup>10</sup> Surface Location

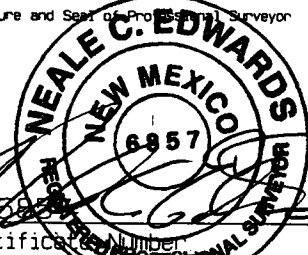
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	27N	6W		1470	NORTH	1745	WEST	RIO ARriba

<sup>11</sup> Bottom Hole Location If Different From Surface

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

<sup>12</sup> Dedicated Acres MV-W/320; Gal-160 DK-W/320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.

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

<sup>15</sup> ST E-290-39 1745' 5342.04' ST E-290-41	5276.70'	36	2629.44'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Bradfield Printed Name Regulatory Administrator Title  Date	
	1470'				<sup>18</sup> 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.  SEPTEMBER 3, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certification Number
	ST E-290-6				
	ST E-290-39				
	5279.34'		2671.02'		

219704349888.48 JOHNSTON A COM C 9A (219704349888.48) Data: .0- .0

GP Gas1 (Rate-Time)

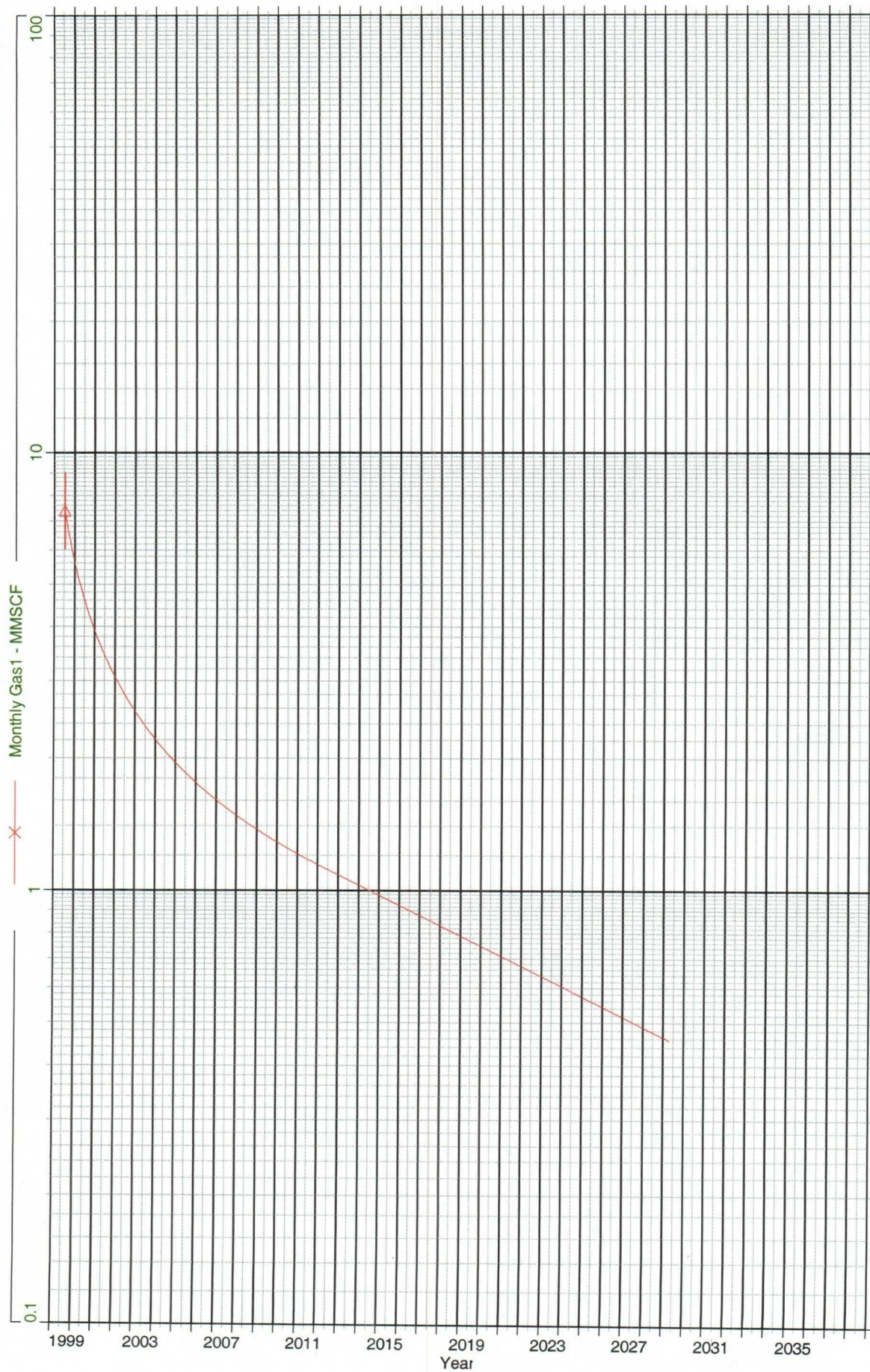
qi: 7.60938 MMSCF, Jul, 1999

qf: 0.456562 MMSCF, Apr, 2029

di(Hyp): 39.2627 CTD: 0 MMSCF

RR: 503.032 MMSCF Tot: 503.032 MMSCF

—\*— Monthly Gas1 - MMSCF  
Cum: 0 MMSCF  
—△— GP Gas1 - MMSCF  
Qi: 7.60938 MMSCF,  
Qf: 0.456562 MMSCF,  
Di:(Hyperbolic--> Exp.  
n: 1.36  
RR: 503.032 MMSCF  
EUR: 503.032 MMSCF



# Johnston A Com C #9A

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

## Gallup

### GLP-Current

GAS GRAVITY	0.704
COND. OR MISC. (C/M)	C
%N2	0.25
%CO2	0.115
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	6707
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	675
BOTTOMHOLE PRESSURE (PSIA)	808.7

### GLP-Original

GAS GRAVITY	0.704
COND. OR MISC. (C/M)	C
%N2	0.25
%CO2	0.115
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	6707
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1072
BOTTOMHOLE PRESSURE (PSIA)	1302.7



***BURLINGTON RESOURCES OIL AND GAS COMPANY***

**Johnston A Com C #9A**

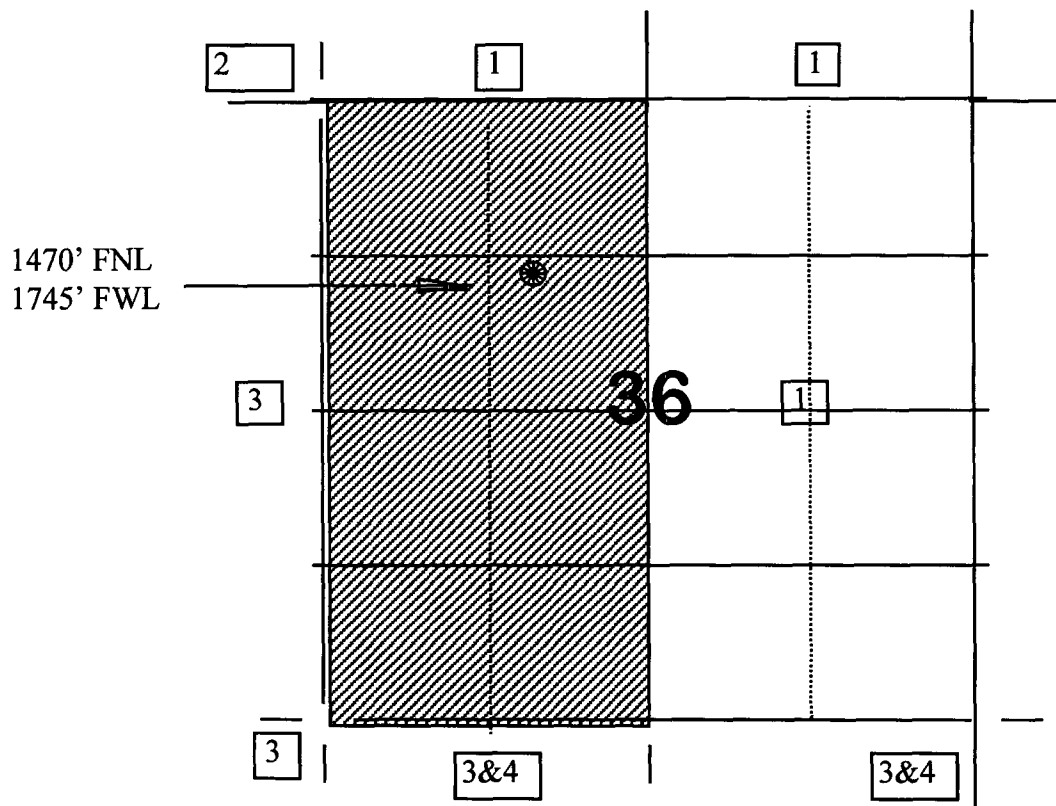
**OFFSET OPERATOR/OWNER PLAT**

**Mesaverde (W/2) / Dakota (W/2)**

**Gallup (NW/4) Formations**

**Commingle well**

**Township 27 North, Range 6 West**



1) Burlington Resources

2) Union Oil Company of California  
P.O. Box 3100  
Midland, Texas 79702

3) Caulkins Oil Company  
2100 Colorado Bank Building  
Denver, CO 80202

4) Amoco Production Company  
Attention: Steve Trefz  
PO Box 800  
Denver, CO 80201

**BURLINGTON**  
**RESOURCES**

SAN JUAN DIVISION  
3535 East 30th Street: (87402-8801)  
P.O. BOX 4289  
Farmington, New Mexico 87499-4289

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Robert Walter Lundell  
2450 Fondren #304  
Houston, TX 77063

x

Susan Beamon Porter  
319 Knipp Forest  
Houston, TX 77024

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Carolyn Beamon Tilley  
5225 Preson Haven  
Dallas, TX 75229

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Cathryn Beamon  
1200 S. Dairy Ashford St. #1413  
Houston, TX 77077

x

James Robert Beamon  
2603 Augusta, Suite 1050  
Albuquerque, NM 87176

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Robert Beamon  
Three Riverway, Suite 470  
Houston, TX 77056

x

Claudia Marcia Lundell Gilmer  
30 Golden Place  
The Woodlands, TX 77381

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Sharon Beamon Burns  
4023 Arbor Way  
Charlotte, NC 28211

x

Linda Jeanne Lundell Lindsey  
PO Box 631565  
Nacogdoches, TX 75963-1565

