

BURLINGTON RESOURCES

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

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

OIL CONSERVATION DIVISION

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

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

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 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	Date: n/a Rates:	Date: n/a Rates:	Date: n/a Rates:
	Date: n/a Rates:	Date: n/a Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	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 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 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 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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

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

AMENDED REPORT

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

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'

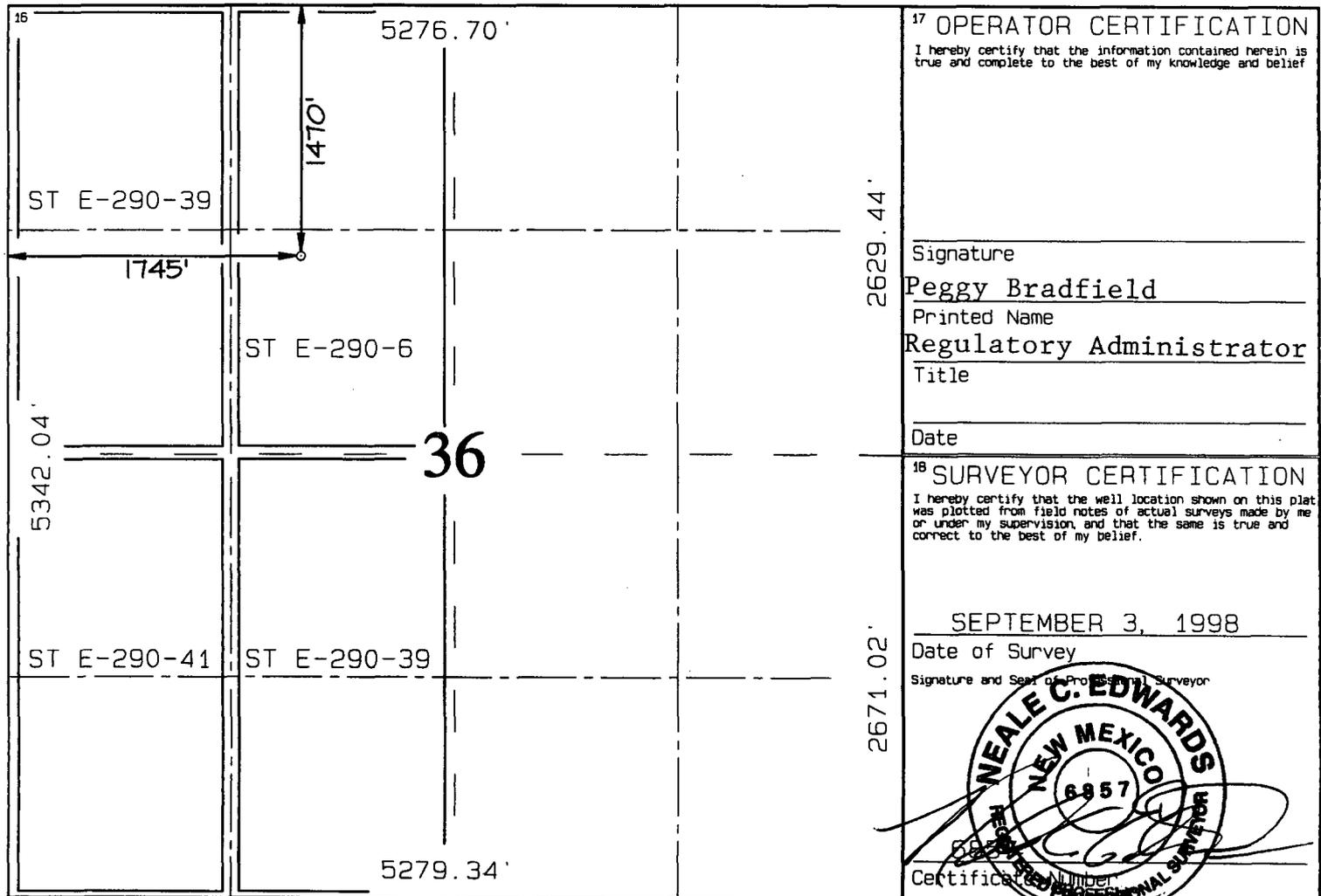
¹⁰ Surface Location

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

¹¹ 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
¹² Dedicated Acres MV-W/320; Gal-160 DK-W/320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



¹⁷ 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

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.

SEPTEMBER 3, 1998
Date of Survey
Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6957
PROFESSIONAL SURVEYOR
Certification Number

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

GP Gas1 (Rate-Time)

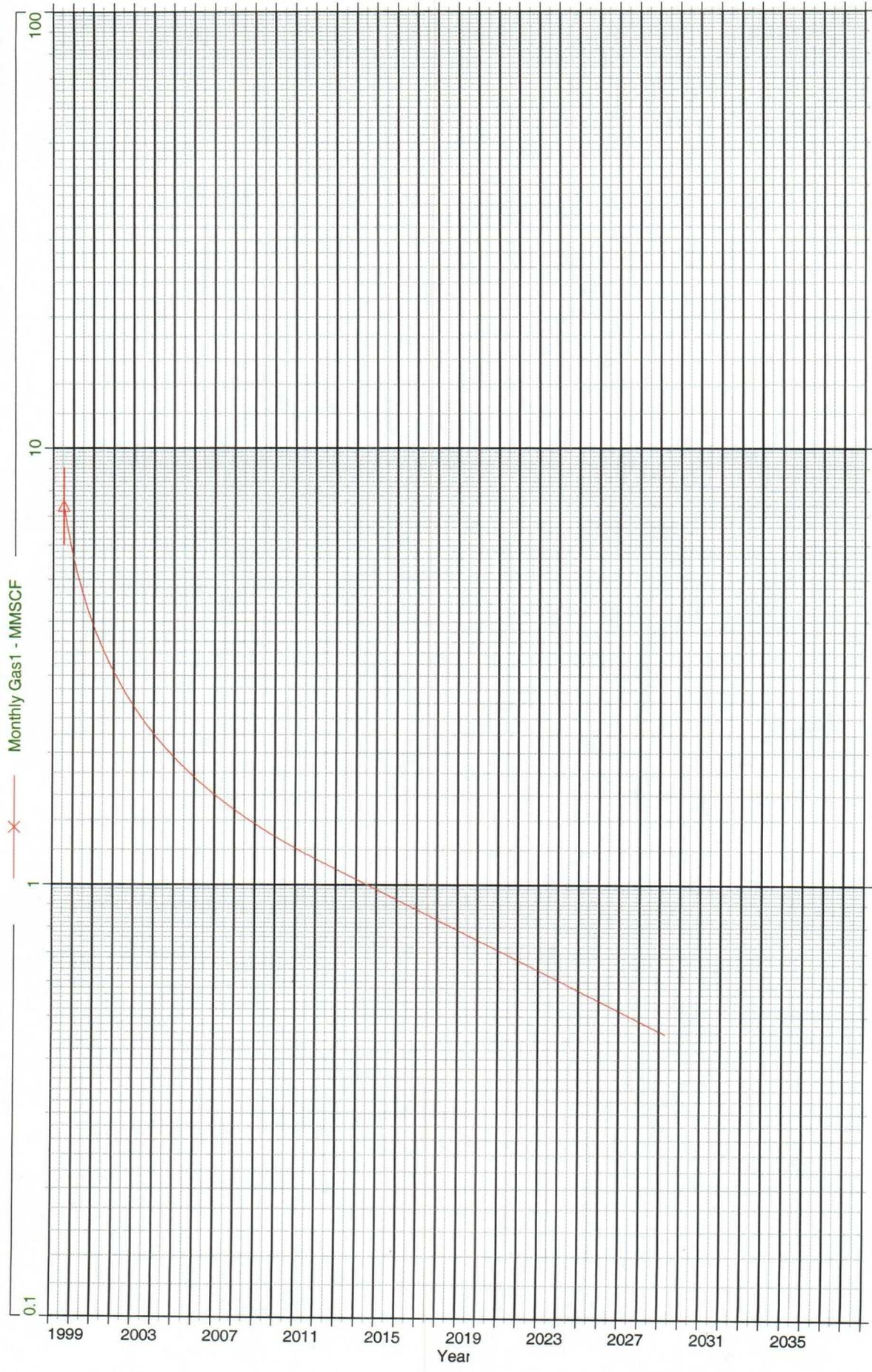
qi: 7.60938 MMSCF, Jul, 1999

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	
<u>GLP-Current</u>	
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
<u>GLP-Original</u>	
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

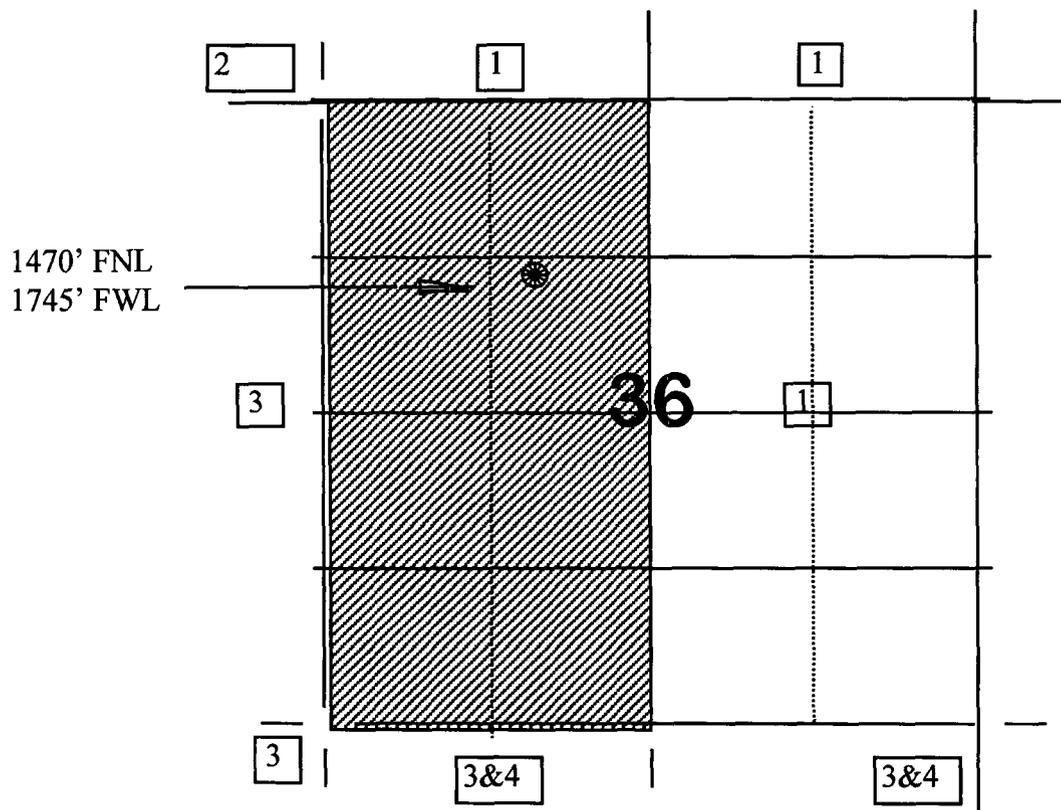
OFFSET OPERATOR/OWNER PLAT

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
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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
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x

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

x

James Robert Beamon
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Albuquerque, NM 87176

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30 Golden Place
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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

Johnston A Com C #9A
 27N - 6W - 36
 Mesaverde / Gallup / Dakota

