

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

Burlington Resources Oil and Gas PO Box 4289, Farmington, NM 87499

Operator Newberry #12 Address H-04-31N-12W San Juan
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7360 API NO. 30-045-11837 Federal ☒ State ☐ Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesa Verde- 72319		Dakota- 71599
2. Top and Bottom of Pay Section (Perforations)	4846'-5086'		6992'-7178'
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or	(Current) a. 876 psi (see attachment) (Original) b. 1188 psi (see attachment)		a. 732 psi (see attachment) b. 2374 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1180		BTU 1064
7. Producing or Shut-In?	Producing		Shut in
Production Marginal? (yes or no)	Yes		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 of recent test (within 60 days)	Date: N/A Rates: Date: 10/97 Rates: 76 mcfd 0.2 bopd		Date: 1994 Rates:16 Mcf/d Date: 10/97 Rates: 0 mcfd 0. bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		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. NMOC 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 Mary Ellen Lutey TITLE Production Engineer DATE 12-23-97

TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator EL PASO NATURAL GAS COMPANY		Lease NEWBERRY		SF-078120-A	Well No. 12 MD
Unit Letter H	Section 4	Township 31-N	Range 12-W	County SAN JUAN	
Actual Footage Location of Well: 1840 feet from the NORTH line and 800 feet from the EAST line					
Ground Level Elev. 6034	Producing Formation MESA VERDE-DAKOTA		Dedicated Acreage: BLANCO MESA VERDE-BASIN DAKOTA 319.16 & 320.37 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 **Communitization**

If answer is "no," list the owners and tract descriptions which have actually 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.

**NOTE: THIS PLAT REISSUED TO SHOW DUAL COMPLETION
AND DEDICATION 12-30-66**

CERTIFICATION

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

Original signed by
Carl E. Matthews

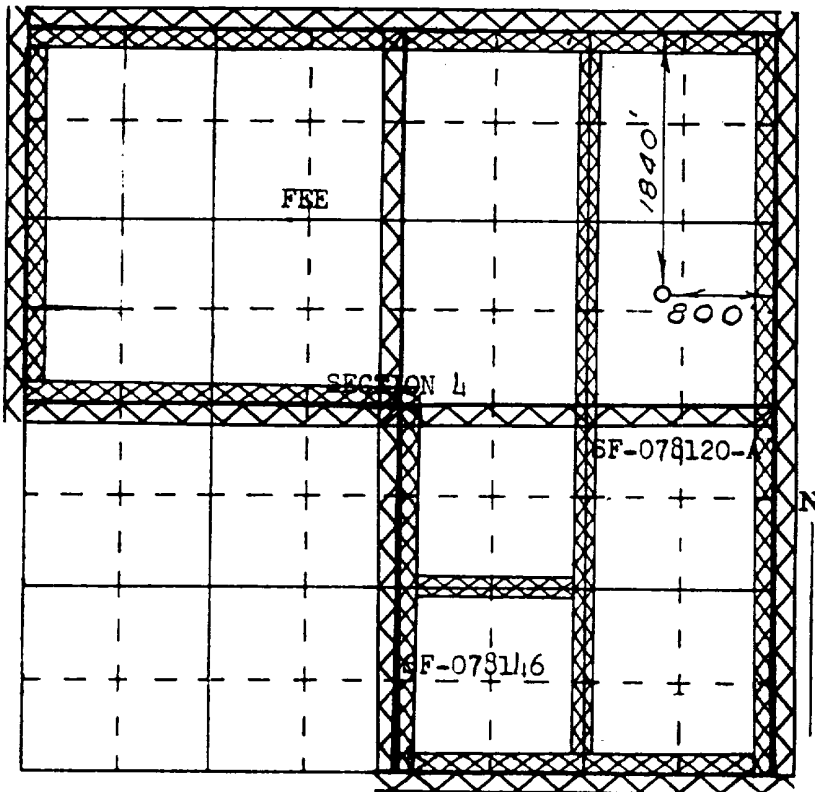
Name _____
Petroleum Engineer
 Position _____
El Paso Natural Gas Company
 Company _____
January 4, 1967
 Date _____

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 _____
APRIL 29, 1966

Registered Professional Engineer
and/or Land Surveyor

David Kilven
 Certificate No. **1760**



NEWBERRY : 12 : 50721-1

Prop 122 *

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

Rate Time
Semi Log

DAILY GAS
SIUHP
FWHP

727476788062848688909294969800020406081012141618

Major = GAS

NEWBERRY : 12 : 50722-1

Legend:

- DAILY GAS
- SIWHP
- + FWHP

Y-axis labels (log scale):

- 1000
- 100
- 10
- 1
- 0.1
- 0.01
- 0.001

X-axis labels (linear scale):

- 72
- 74
- 76
- 78
- 80
- 82
- 84
- 86
- 88
- 90
- 92
- 94
- 96
- 98
- 100
- 102
- 104
- 106
- 108
- 110
- 112
- 114
- 116
- 118
- 120
- 122
- 124
- 126
- 128
- 130
- 132
- 134
- 136
- 138
- 140
- 142
- 144
- 146
- 148

Major component: GAS

mv

Page No.: 26
 Print Time: Wed May 28 08:45:51 1997
 Property ID: 3329
 Property Name: NEWBERRY | 12 | : : 1472 CF: 91 SIP:
 Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE--	---CUM GAS--	M SIWHP	C SIWHP
	Mcf	Psi	
11/23/66	0	1029.0	
06/23/67	68000	734.0	
01/16/68	98000	782.0	
06/20/69	239000	632.0	
04/20/70	308400	584.0	
05/25/71	395201	533.0	
07/06/72	491655	490.0	
07/25/73	572151	434.0	
04/23/74	628880	456.0	
04/28/76	760878	464.0	
01/13/78	830824	605.0	
06/04/78	830948	0.0	
06/05/78	830948	671.0	
11/13/78	863481	605.0	
08/05/80	913328	572.0	
11/01/84	982506	542.0	
09/09/86	1025090	617.0	
07/30/91	1026050	764.0	

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.71
COND. OR MISC. (C/M)	C
%N2	1.3
%CO2	1.08
%H2S	0
DIAMETER (IN)	1.4
DEPTH (FT)	5116
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	155
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	764
BOTTOMHOLE PRESSURE (PSIA)	876.4

NEWBERRY #12 MESA VERDE - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.71</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>1.3</u>
%CO2	<u>1.08</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.4</u>
DEPTH (FT)	<u>5116</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1029</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1187.8</u>

NEWBERRY #12 MESA VERDE - (ORIGINAL)

DK

Page No.: 1
 Print Time: Wed Jun 18 07:34:32 1997
 Property ID: 2230
 Property Name: NEWBERRY | 12 | 50722-1
 Table Name: K:\ARIES\RR98WW\TEST.DBF

--DATE--	--CUM OIL-- Bbl	---CUM GAS-- Mcf	M SIWHP Psi
11/23/66		0	1985.0
07/09/70		235584	1081.0
05/25/71		281273	1012.0
07/06/72		340748	894.0
04/02/75		448887	776.0
05/25/77		512270	1021.0
09/25/78		541416	810.0
05/07/79		566283	560.0
06/17/81		675111	591.0
02/01/84		746362	840.0
07/17/85		776354	627.0
10/08/88		795849	39.0

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.37
%CO2	1.71
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6394
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	627
BOTTOMHOLE PRESSURE (PSIA)	732.0

NEWBERRY #12 DAKOTA - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.37
%CO2	1.71
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6394
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1985
BOTTOMHOLE PRESSURE (PSIA)	2374.1

NEWBERRY #12 DAKOTA - (ORIGINAL)

Package Preparation Volume Data

DPNo: 50721 NEWBERRY 12 Form: MV

Supt: 58 RICK MUNCRIEF FF: 331 NOEL ROGERS MS: 344 GARY WOOTON
 Pipeline: EPNG Plunger: No Dual: Yes Compressor: No

Ownership (No Trust)			Prior Year			Current Year			
	Gas	Oil			Days			Days	
GWl:	38.5369%	38.5369%		MCF/M	BOPM	On	MCF/M	BOPM	On
GNI:	32.7281%	32.7281%	Jan	4,727	36.0	31	3,864	39.0	31
			Feb	2,680	40.0	29	4,501	59.0	28
			Mar	5,263	47.0	31	5,364	23.0	31
			Apr	4,160	38.0	30	6,494	81.0	30
			May	4,943	30.0	31	4,991	43.0	31
			Jun	5,133	45.0	26.9	2,049	12.0	23
			Jul	4,058	24.0	31	5,159	26.0	31
			Aug	4,609	33.0	31	0	0.0	25.9
			Sept	2,711	6.0	23.1	0	0.0	0
			Oct	6,187	58.0	31	0	0.0	0
			Nov	3,751	8.0	30	0	0.0	0
			Dec	5,434	79.0	31	0	0.0	0
			Total	53,656	444.0		32,422	283.0	
<u>Volumes</u>									
<u>(Days On)</u>	<u>MCFD</u>	<u>BOPD</u>							
7 Day Avg	250	1.6							
30 Day Avg	92	0.2							
60 Day Avg	133	0.5							
3 Mo Avg	144	1.0							
6 Mo Avg	164	1.4							
12 MoAvg	157	1.3							
<u>Volumes</u>									
<u>(Days in Month)</u>	<u>MCFD</u>	<u>BOPD</u>							
30 Day Avg	76	0.2							
60 Day Avg	121	0.5							
3 Mo Avg	133	0.9							
6 Mo Avg	156	1.3							
12 Mo Avg	151	1.3							

Print Form

Exit Volumes Data

Print Form

Exit Volumes Data

Package Preparation Volume Data

DPNo: 60722

NEWBERRY

12

Form: DK

Supt: 58 RICK MUNCRIEF

FF: 331 NOEL ROGERS

MS: 344 GARY WOOTON

Pipeline: EPNG

Plunger: No

Dual: Yes

Compressor: No

Ownership (No Trust)

Prior Year

Current Year

<u>Gas</u>		<u>Oil</u>				<u>Days</u>		
GWl:	48.7863%	48.7863%						<u>Days</u>
GNI:	40.7169%	40.7169%						<u>On</u>
			<u>MCF/M</u>	<u>BOPM</u>	<u>On</u>	<u>MCF/M</u>	<u>BOPM</u>	<u>On</u>
		Jan	0	0.0	0	0	0.0	0
		Feb	0	0.0	0	0	0.0	0
		Mar	0	0.0	0	0	0.0	0
<u>Volumes</u>		Apr	0	0.0	0	0	0.0	0
<u>(Days On)</u>	<u>MCFD</u>	<u>BOPD</u>	0	0.0	0	0	0.0	0
7 Day Avg	0	0.0	May	0	0.0	0	0	0.0
30 Day Avg	0	0.0	Jun	0	0.0	0	0	0.0
60 Day Avg	0	0.0	Jul	0	0.0	0	0	0.0
3 Mo Avg	0	0.0	Aug	0	0.0	0	0	0.0
6 Mo Avg	0	0.0	Sept	0	0.0	0	0	0.0
12 MoAvg	0	0.0	Oct	0	0.0	0	0	0.0
		Nov	0	0.0	0	0	0.0	0
		Dec	0	0.0	0	0	0.0	0
<u>Volumes</u>								
<u>(Days in Month)</u>	<u>MCFD</u>	<u>BOPD</u>	Total	0	0.0	0	0.0	
30 Day Avg	0	0.0						
60 Day Avg	0	0.0						
3 Mo Avg	0	0.0						
6 Mo Avg	0	0.0						
12 Mo Avg	0	0.0						

Print Form

Exit Volumes Data

Print Form

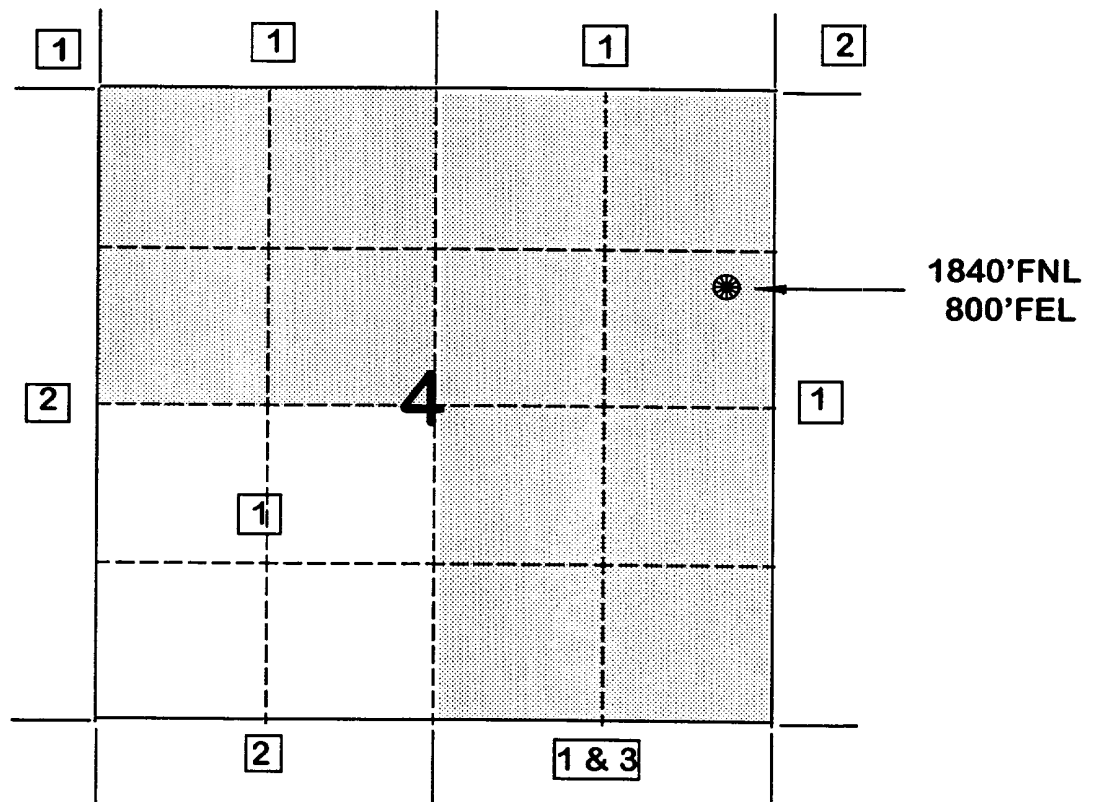
Exit Volumes Data

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Newberry #12
OFFSET OPERATOR \ OWNER PLAT**

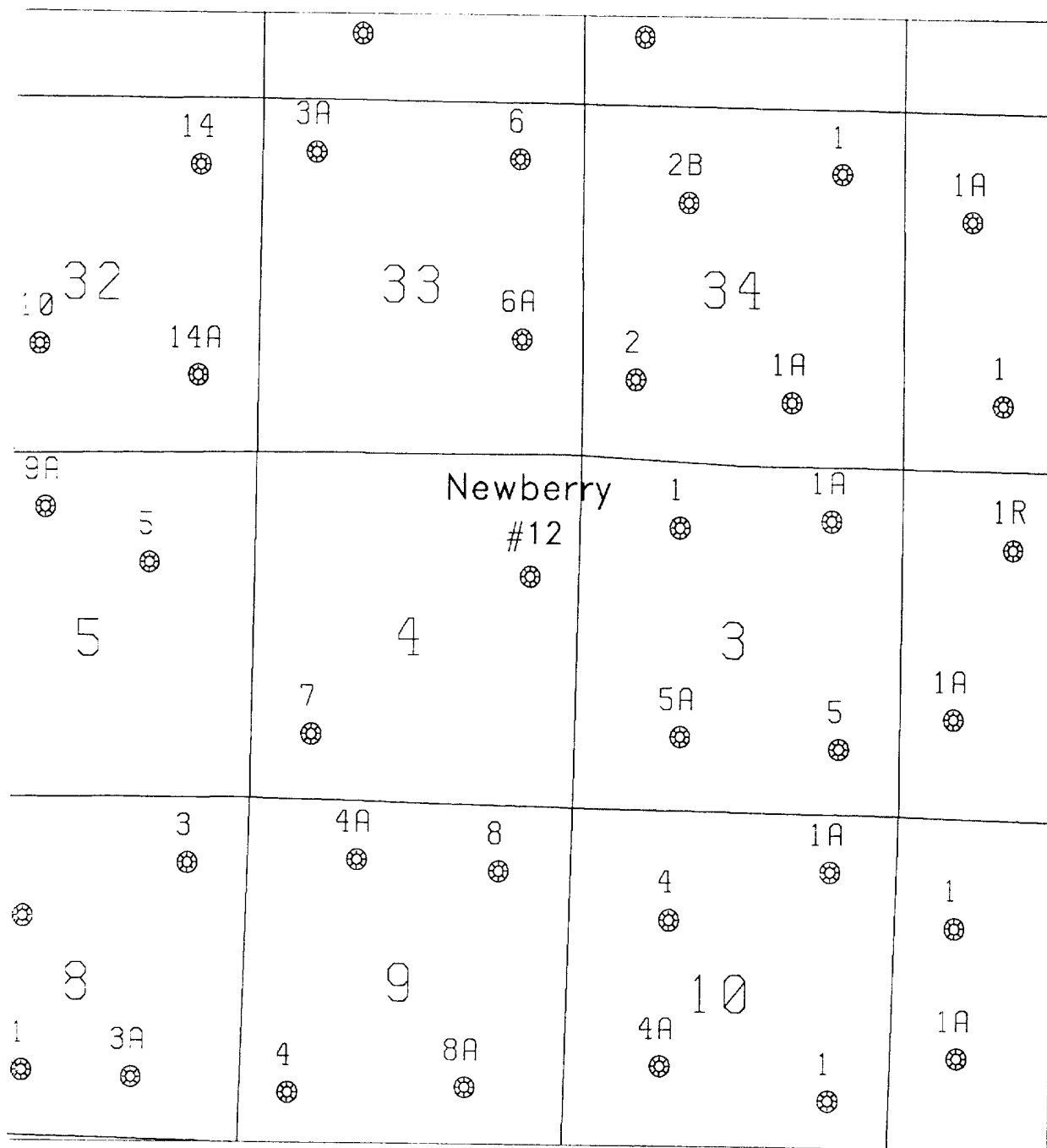
Mesaverde (N/2) / Dakota (E/2) Formations Commingle Well

Township 31 North, Range 12 West


































1) Burlington Resources
2) Amoco Production Company
c/o Bruce Zimney
P.O. Box 800
Denver, CO 80201

3) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500



Newberry #12
Sec 4 T31N R12W
Mesaverde

j dehart
11/97

			
10 32 	33 3  17 	34 4E  4 	1  1E 
1E  5 1 	16  4 16E  2E 	Newberry #12  2  2E  3 11E  11 	1  1E 
1 	2  9 1 	10  10E  10 8 	7  7E 
8			

Newberry #12
Sec 4 T31N R12W
Dakota

j dehart
11/97