

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

San Juan 27-4 Unit

37M

J 33-27N-04W

Rio Arriba

Lease

Well No.

Unif Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7452 API NO. 30-039-not assigned Federal x State (and/or) Fee

Table with 4 columns: The following facts are submitted in support of downhole commingling, Upper Zone, Intermediate Zone, Lower Zone. Rows include Pool Name and Pool Code, Top and Bottom of Pay Section, Type of production, Method of Production, Bottomhole Pressure, Oil Gravity, Producing or Shut-in?, Production Marginal?, and Fixed Percentage Allocation Formula.

- 9. If allocation formula is based upon something other than current or past production...
10. Are all working, overriding, and royalty interests identical in all commingled zones?
11. Will cross-flow occur?
12. Are all produced fluids from all commingled zones compatible with each other?
13. Will the value of production be decreased by commingling?
14. If this well is on, or communitized with, state or federal lands...
15. NMOCD Reference Cases for Rule 302(D) Exceptions:
16. ATTACHMENTS:

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

SIGNATURE [Signature] TITLE: Production Engineer DATE: 02-23-98

TYPE OR PRINT NAME Sean Woolverton 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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name			6 Well Number
		SAN JUAN 27-4 UNIT			# 37M
7 OGRID No.		8 Operator Name			9 Elevation
		BURLINGTON RESOURCES OIL & GAS COMPANY			7222

10 Surface Location

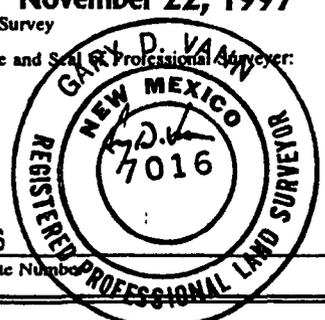
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	33	27 N	4 W		1560	SOUTH	1680	EAST	RIO ARRIBA

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

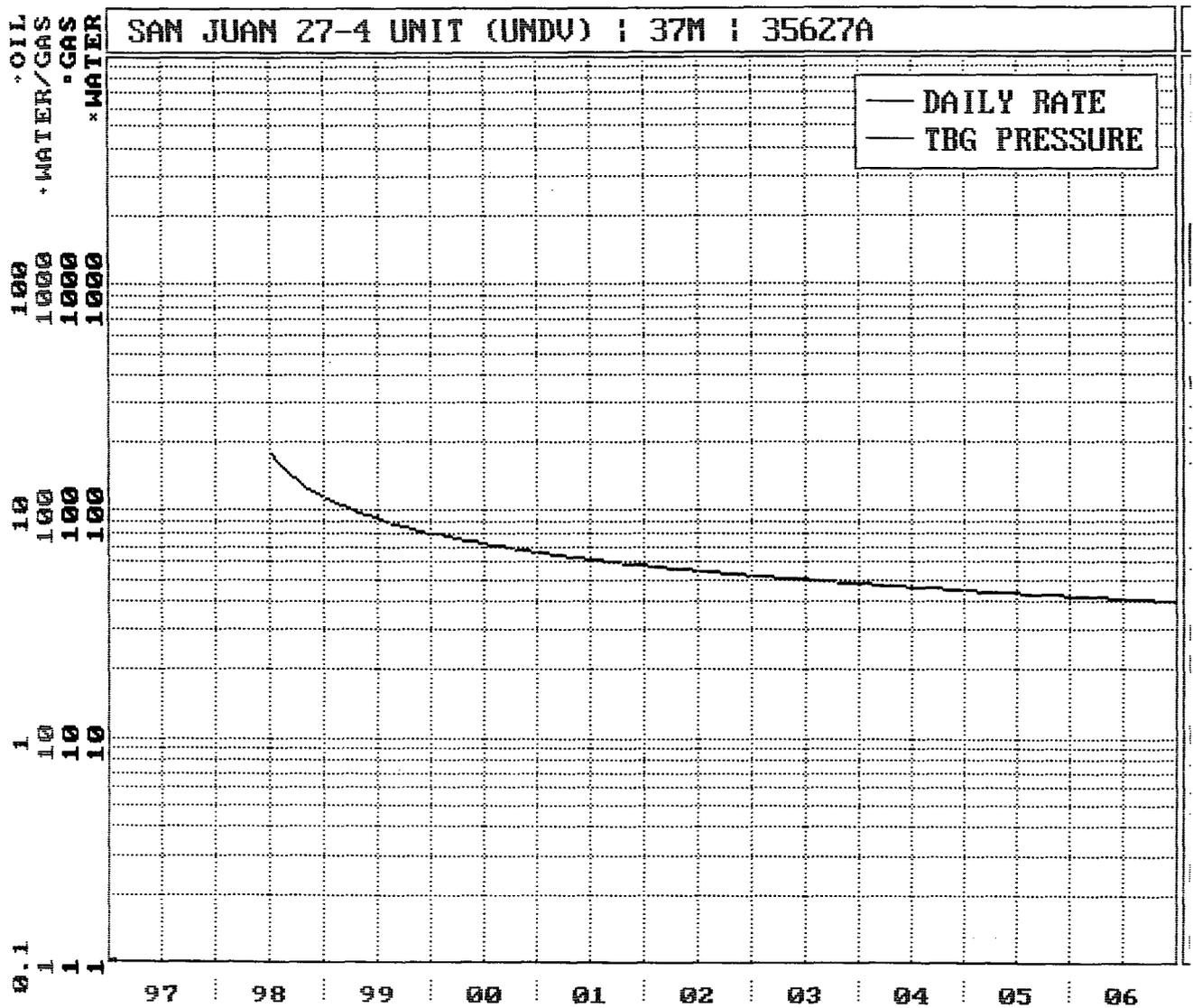
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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

16 5260' (R) 5280' (R)	NMSF-080675 5280' (R)		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature _____ Printed Name _____ Title _____ Date _____
	NMSF-080675 1680' 1560' 5280' (R)		
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. November 22, 1997 Date of Survey Signature and Seal of Professional Approver:			
Certificate Number 7016			

(R) - GLO RECORD

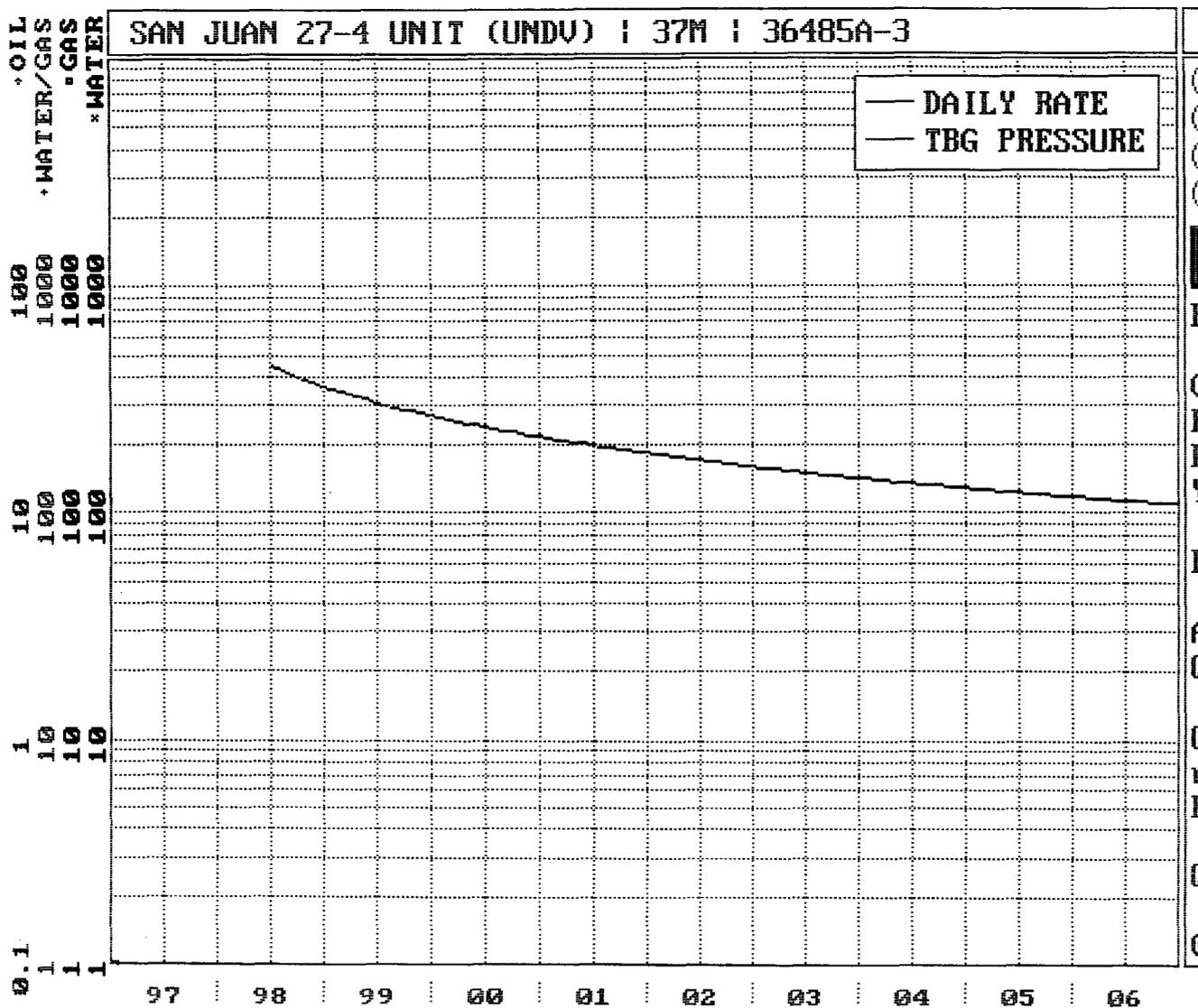
San Juan 27-4 Unit #37M
Expected Production Curve
Blanco Mesaverde



San Juan 27-4 Unit #37M

Expected Production Curve

Basin Dakota



SJ 27-4 Unit #37M
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
 Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.687	GAS GRAVITY	0.714
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.29	%N2	0.29
%CO2	0.73	%CO2	0.91
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	6258	DEPTH (FT)	8163
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	472	SURFACE PRESSURE (PSIA)	892
BOTTOMHOLE PRESSURE (PSIA)	552.3	BOTTOMHOLE PRESSURE (PSIA)	1106.6
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.687	GAS GRAVITY	0.714
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.29	%N2	0.29
%CO2	0.73	%CO2	0.91
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	6258	DEPTH (FT)	8163
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1200	SURFACE PRESSURE (PSIA)	2372
BOTTOMHOLE PRESSURE (PSIA)	1434.1	BOTTOMHOLE PRESSURE (PSIA)	3004.0

Page No.: 1

Print Time: Fri Jan 16 11:30:48 1998

Property ID: 3752

Property Name: SAN JUAN 27-4 UNIT | 108 | 44663A-1

Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE-- M SIWHP
■■■■■■■■■■ ■■■Psi■■■

09/08/80	1200.0	- original
01/05/82	682.0	
05/28/82	648.0	
10/19/82	684.0	
09/19/83	677.0	
05/18/84	702.0	
11/03/86	663.0	
10/04/89	602.0	
02/18/91	560.0	
07/11/91	572.0	
05/03/93	472.0	- current

San Juan 27-4 Unit #37M

Mesaverde Offset

Page No.: 1

Print Time: Fri Jan 16 11:31:12 1998

Property ID: 1646

Property Name: SAN JUAN 27-4 UNIT | 54 | 51794A-1

Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE-- M SIWHP
■■■■■■■■■■ ■■■Psi■■■

San Juan 27-4 Unit #37M

Dakota Offset

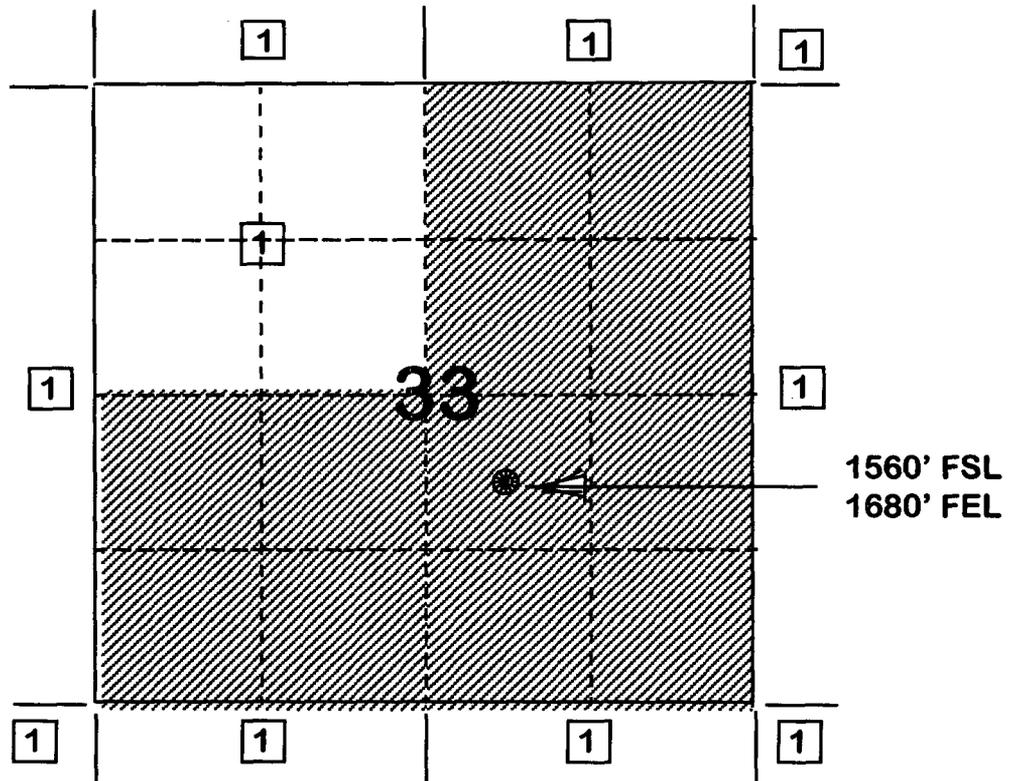
10/16/68	2372.0	-original
06/13/69	1405.0	
06/24/70	1040.0	
05/18/71	921.0	
06/13/72	812.0	
07/06/77	822.0	
05/01/79	821.0	
06/01/81	723.0	
05/20/85	972.0	
04/22/90	983.0	
06/15/93	892.0	- current

BURLINGTON RESOURCES OIL AND GAS COMPANY

**San Juan 27-4 Unit #37M
OFFSET OPERATOR \ OWNER PLAT**

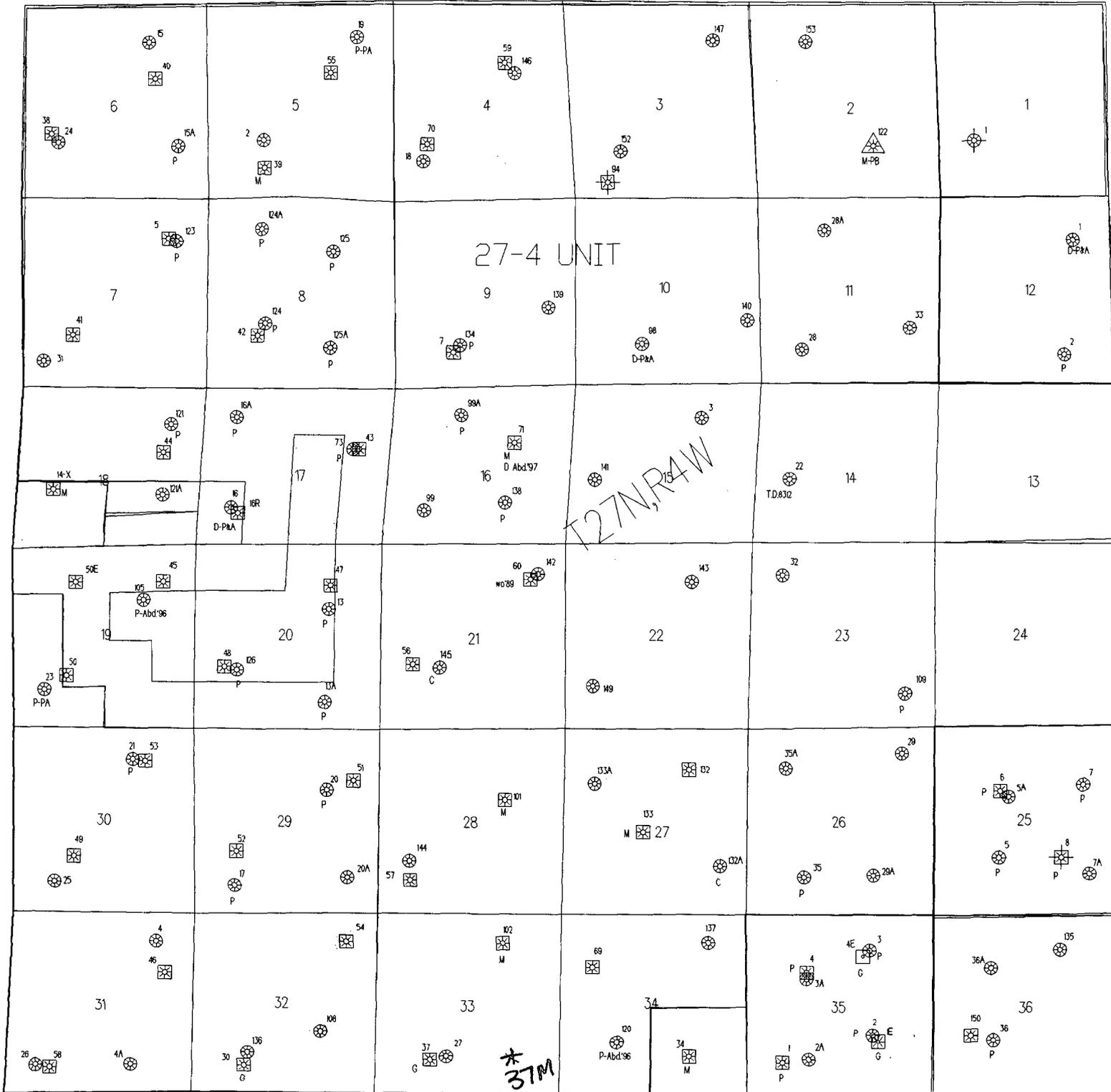
Mesaverde (E/2) / Dakota (S/2) Formations Commingle Well

Township 27 North, Range 4 West



1) Burlington Resources

San Juan 27-4 Unit #37M Blanco Mesaverde/ Basin Dakota 27N-4W-33P



02/24/98

J-I-B SCHEDULE

LWR270NL

INQUIRE

<WELLSTAT>

WELL: 36339A SAN JUAN 27-4 UNIT 37M

=====

CO-OWNER

BILLING %

TOTAL %

028359 CINCO GENERAL PARTNERSHIP

10.929519

028873 BEDROCK LIMITED PARTNERSHIP

.882877

029669 TEMPE LTD PARTNERSHIP

.882876

030573 HARCO LTD PTSHP

.882876

105291 JAMES V HARRINGTON

.882876

105292 MARY JONE CHAPPELL

.882876

999810 BURLINGTON RESOURCES OIL & GAS

84.656100

100.000000

Both MV & DK

ENTER=NEXT PAGE

PF11=PAGE BACK

PF12=MENU

PF24=HELP