

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		
San Juan 27-4 Unit	101M	P 28-27N-04W	Rio Arriba
Lease	Well No.	Unit 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 ☒ 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		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion	DECEIVED JUL 8 1993	will be supplied upon completion
3. Type of production (Oil or Gas)	gas		gas
4. Method of Production (Flowing or Artificial Lift)	flowing	OIL CON. DIV. DIST. 3	flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 604 psi (see attachment) (Original) b. 1357 psi (see attachment)	a. b.	a. 1324 psi (see attachment) b. 2913 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1159		BTU 1240
7. Producing or Shut-In?	shut in		shut in
Production Marginal? (yes or 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: 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: 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: %	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 Sean Woolverton TITLE: Reservoir Engineer DATE: 06-29-98

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 Huerfano 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
Revised February 21, 1998
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		1 Pool Code		1 Pool Name	
1 Property Code		1 Property Name SAN JUAN 27-4 UNIT			1 Well Number # 101M
1 OGRID No.		1 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			1 Elevation 7167

10 Surface Location

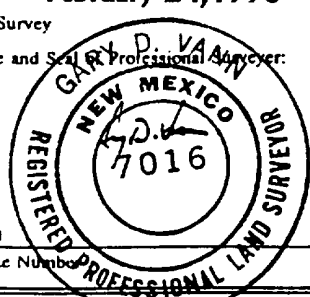
UL or lot no. P	Section 28	Township 27 N	Range 4 W	Lot Idn	Feet from the 730	North/South line SOUTH	Feet from the 1090	East/West line EAST	County RIO ARR
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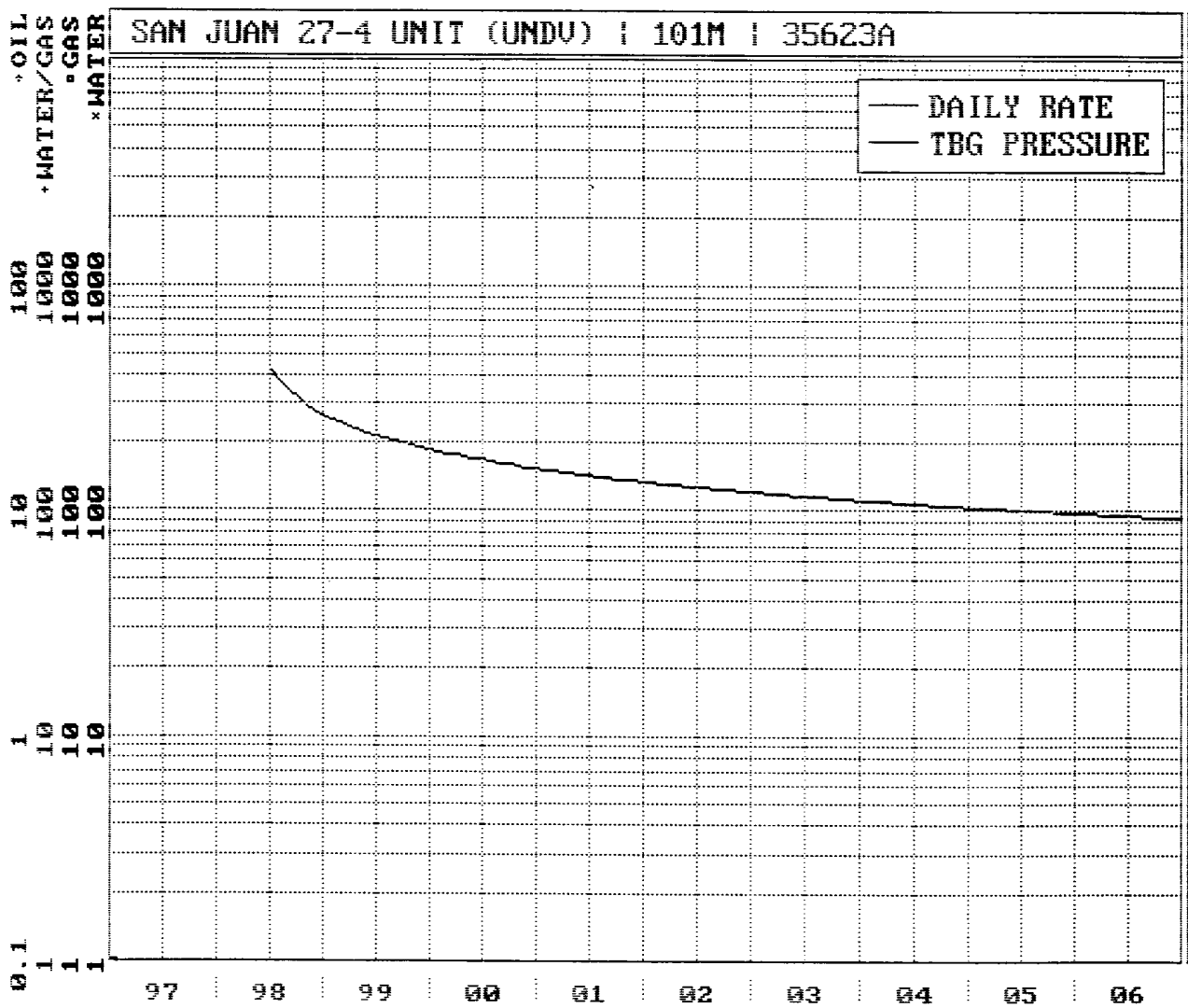
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

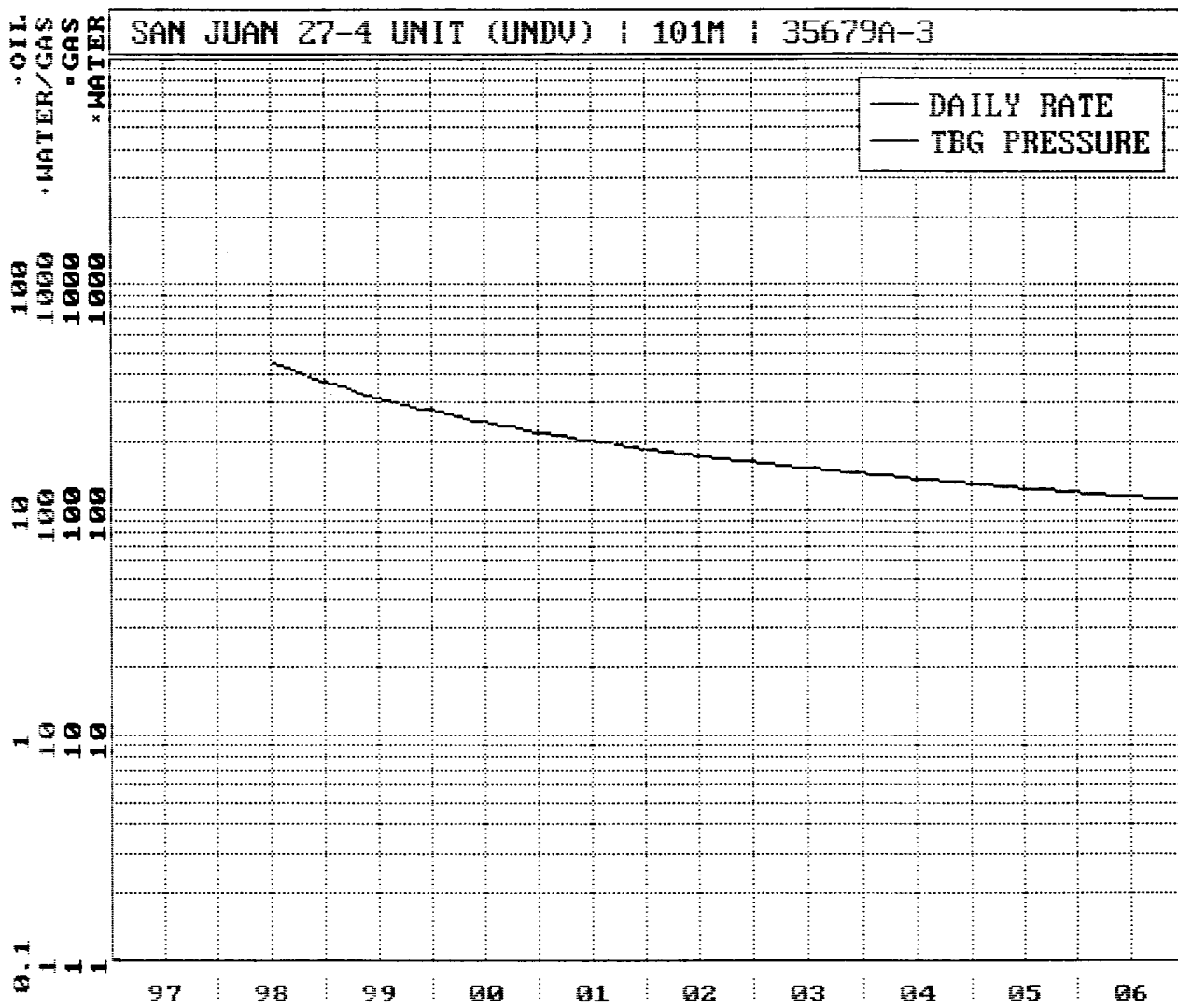
16		5271'(R)		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
RECEIVED JUL 6 1998 OIL CON. DIV. DIST. 3		28		Signature	
				Printed Name	
5280'(R)		NMSF- 080675		Title	
				Date	
5280'(R)		5280'(R)		18 SURVEYOR 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.	
				February 24, 1998 Date of Survey	
(R) - GLO Record		5280'(R)		Signature and Seal of Professional Surveyor: 	
				7016 Certificate Number	
				1090' 730'	



San Juan 27-4 Unit #101M

Expected Production Curve

Basin Dakota



Mesaverde**MV-Current**

GAS GRAVITY	0.691
COND. OR MISC. (C/M)	C
%N2	0.89
%CO2	1.31
%H2S	0
DIAMETER (IN)	2.0625
DEPTH (FT)	6480
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	512
BOTTOMHOLE PRESSURE (PSIA)	603.7

Dakota**DK-Current**

GAS GRAVITY	0.733
COND. OR MISC. (C/M)	C
%N2	0.37
%CO2	0.94
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	8363
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1047
BOTTOMHOLE PRESSURE (PSIA)	1323.5

MV-Original

GAS GRAVITY	0.691
COND. OR MISC. (C/M)	C
%N2	0.89
%CO2	1.31
%H2S	0
DIAMETER (IN)	2.0625
DEPTH (FT)	6480
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1130
BOTTOMHOLE PRESSURE (PSIA)	1356.9

DK-Original

GAS GRAVITY	0.733
COND. OR MISC. (C/M)	C
%N2	0.37
%CO2	0.94
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	8363
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2264
BOTTOMHOLE PRESSURE (PSIA)	2913.3

Print Time: Wed Jan 14 15:40:33 1998

Property ID: 1653

Property Name: SAN JUAN 27-4 UNIT | 69 | 44040A-1

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

--DATE-- M SIWHP
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San Juan 27-4 #101MDakota Offset

11/16/73	2264.0	- original
01/23/76	1032.0	
06/25/76	913.0	
07/06/77	832.0	
09/02/80	731.0	
06/01/81	691.0	
06/04/85	973.0	
05/28/92	1009.0	
06/15/93	1047.0	- current

Print Time: Wed Jan 14 15:40:54 1998

Property ID: 3749

Property Name: SAN JUAN 27-4 UNIT | 101 | 53325A-1

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--DATE-- M SIWHP

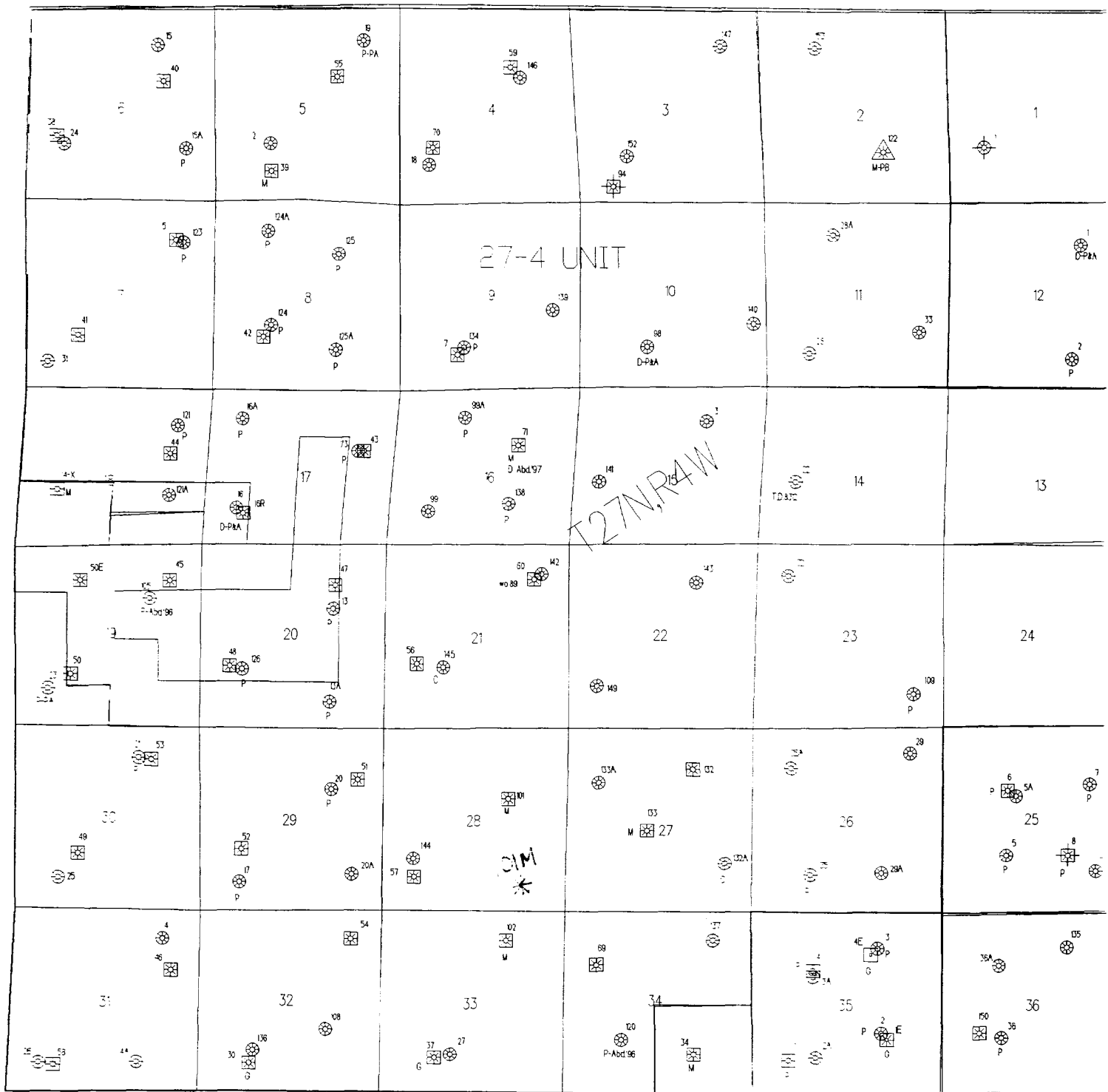
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07/31/80	1130.0	-original
01/16/81	743.0	
06/01/81	493.0	
11/03/82	605.0	
05/18/84	584.0	
04/17/86	641.0	
10/04/89	565.0	
06/17/91	637.0	
08/06/91	649.0	
12/04/93	512.0	-current

San Juan 27-4 #101M

Mesaverde offset

San Juan 27-4 Unit = 101M
Blanco Mesaverde/ Basin Dakota
27N-4W-28P

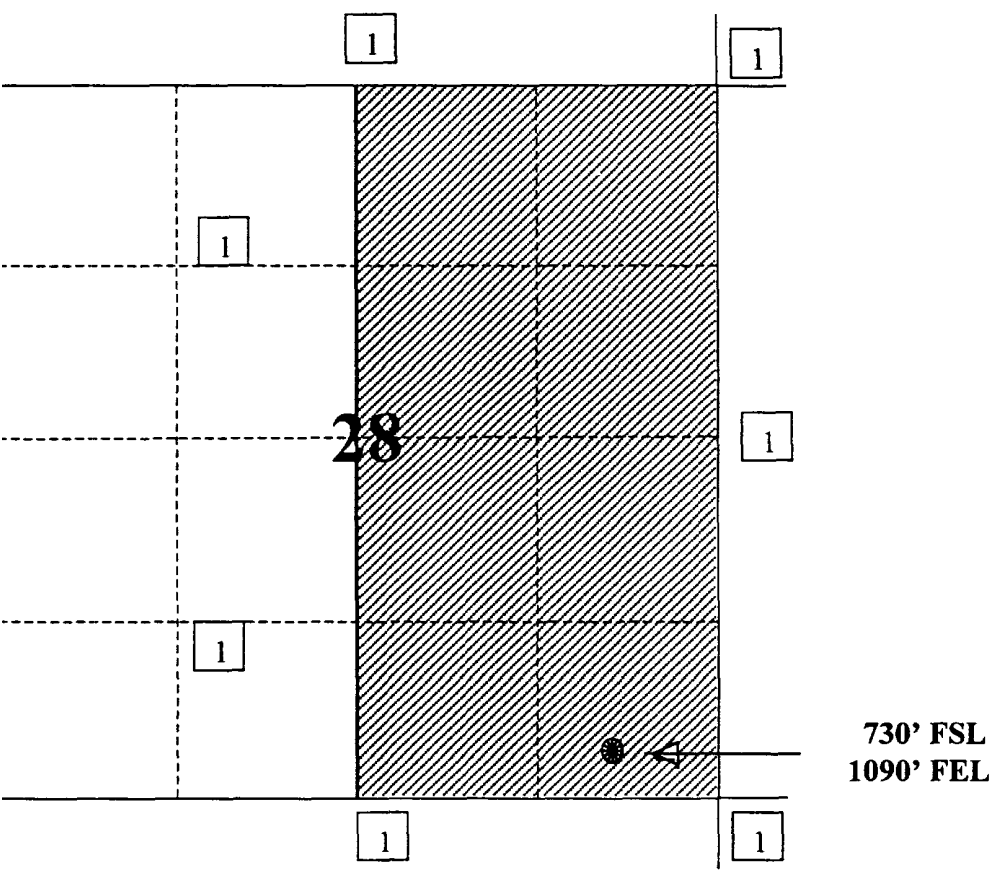


San Juan 27-4 Unit #101M

OFFSET OPERATOR/OWNER PLAT

Verde / Dakota Formations Commingle Well

Township 27 North, Range 4 West



1) Burlington Resources