

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	52	29-27N-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. 30-039-2014800	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		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion		will be supplied upon completion
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 Measured Original	(Current) a. 732 psi (see attachment) (Original) b. 1465 psi (see attachment)	RECEIVED APR - 5 1999 OIL CON. DIV. DIST. 3	a. 1247 psi (see attachment) b. 3186 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1184		BTU 1234
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). ☐ attached
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 *San Juan 27-4 Unit* TITLE: Production Engineer DATE: 3-29-99

TYPE OR PRINT NAME Wayne Fletcher TELEPHONE NO. (505) 326-9700

BURLINGTON RESOURCES OIL AND GAS COMPANY

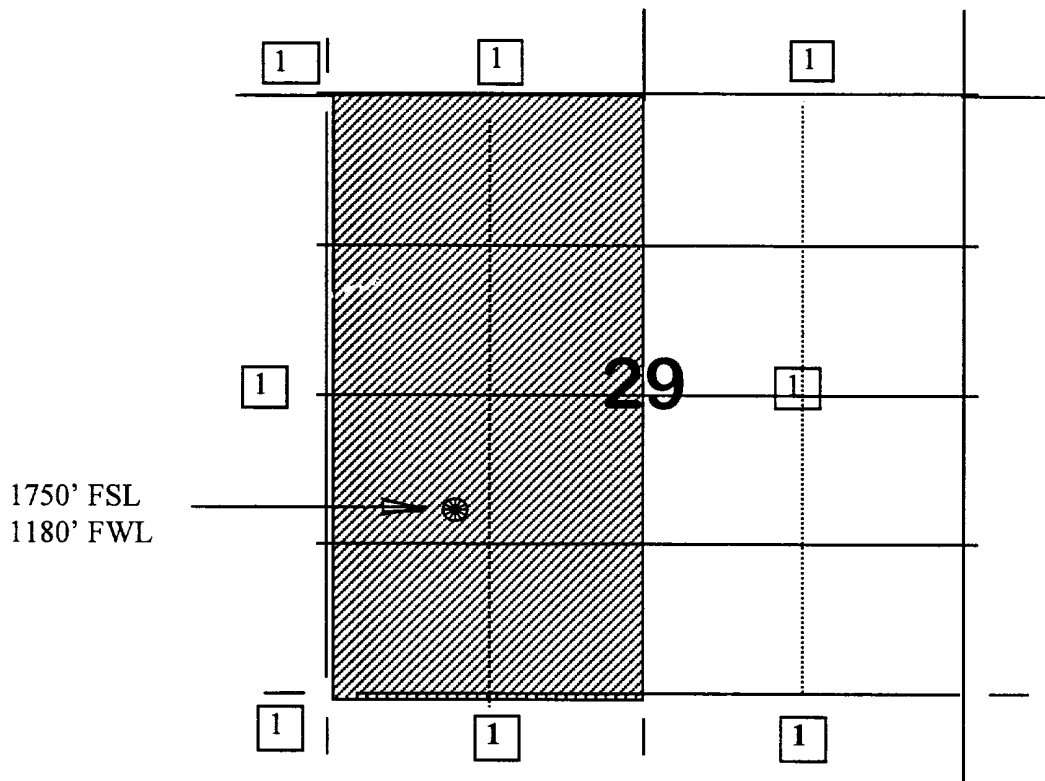
San Juan 27-4 Unit #52

OFFSET OPERATOR/OWNER PLAT

Mesaverde/Dakota Formations

Commingled well

Township 27 North, Range 4 West

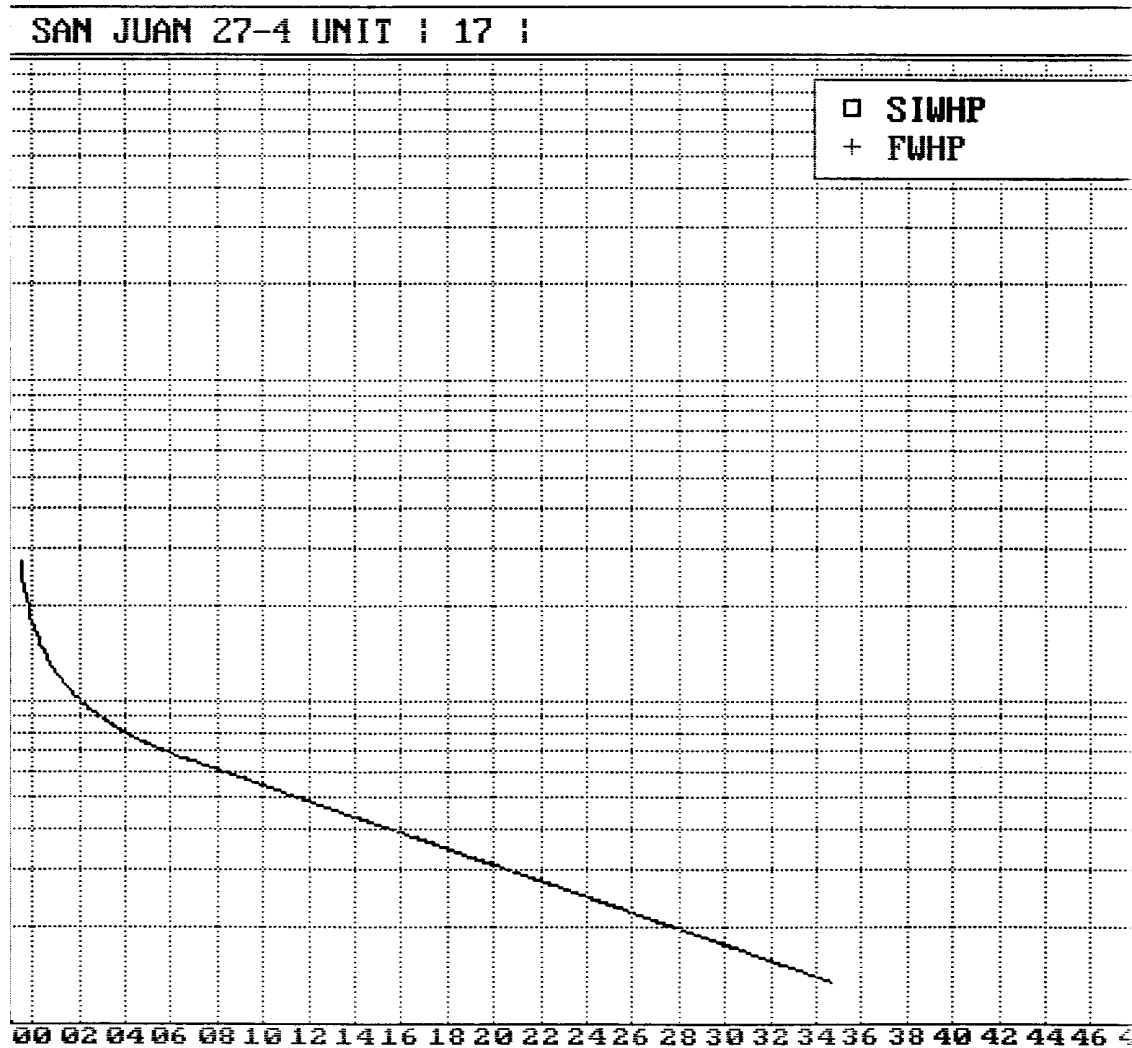


1) Burlington Resources

San Juan 27-4 Unit # 52

Expected Production

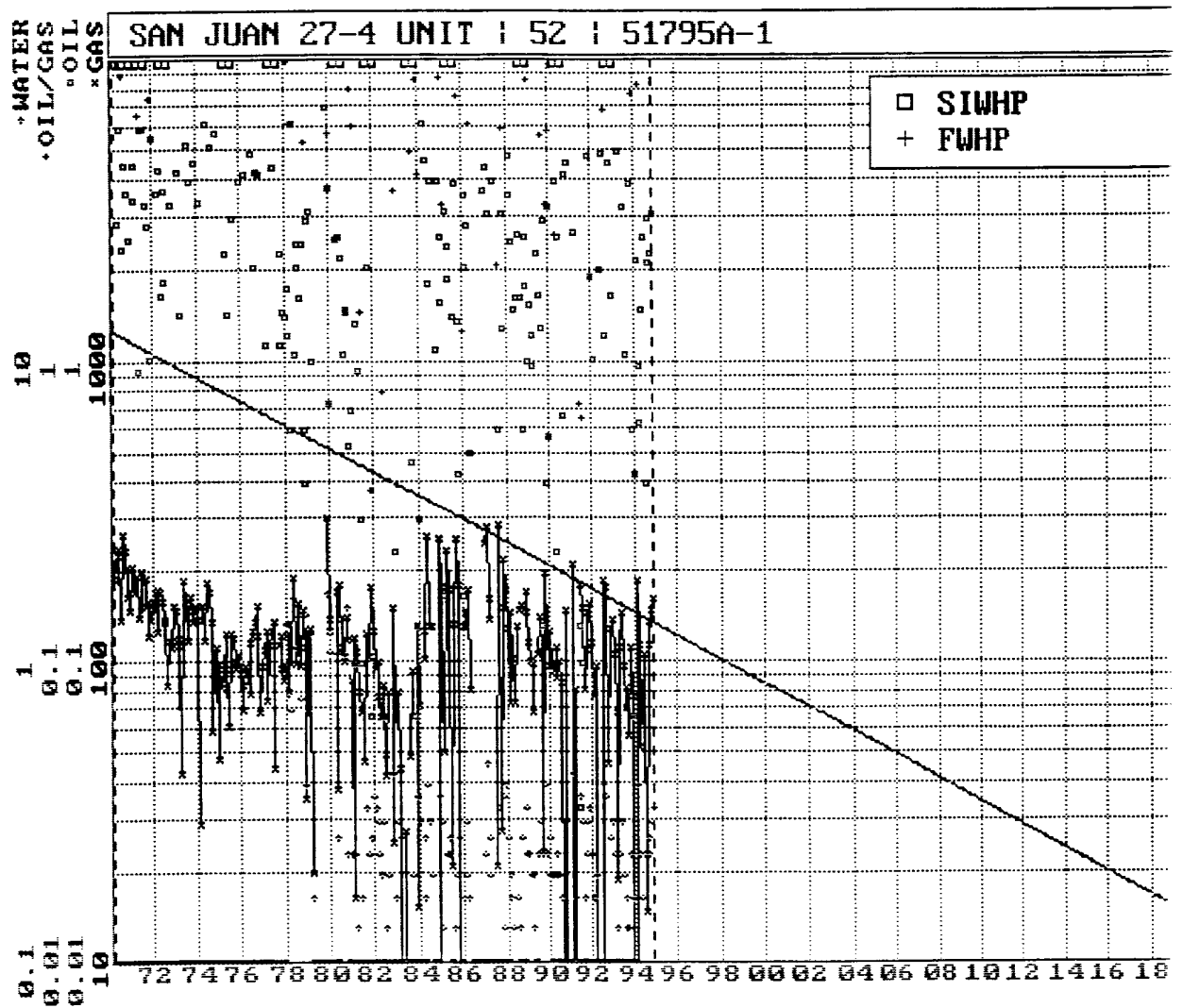
Mesaverde Formation



San Juan 27-4 Unit # 52

Actual Production

Dakota Formation



Mesaverde**MV-Current**

GAS GRAVITY	0.692
COND. OR MISC. (C/M)	C
%N2	0.25
%CO2	0.77
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	8159
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	592
BOTTOMHOLE PRESSURE (PSIA)	731.7

Dakota**DK-Current**

GAS GRAVITY	0.729
COND. OR MISC. (C/M)	C
%N2	0.3
%CO2	0.99
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	8159
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	996
BOTTOMHOLE PRESSURE (PSIA)	1247.4

MV-Original

GAS GRAVITY	0.692
COND. OR MISC. (C/M)	C
%N2	0.25
%CO2	0.77
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	8159
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1159
BOTTOMHOLE PRESSURE (PSIA)	1465.1

DK-Original

GAS GRAVITY	0.729
COND. OR MISC. (C/M)	C
%N2	0.3
%CO2	0.99
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	8159
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2503
BOTTOMHOLE PRESSURE (PSIA)	3186.2

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Mcf Psi

07/10/58	0	1159.0
07/31/58	0	1146.0
09/22/59	41000	659.0
05/29/60	58000	639.0
05/28/61	78000	665.0
08/06/62	93000	602.0
04/19/63	104000	626.0
07/02/64	116000	673.0
05/10/65	125000	564.0
04/19/66	141000	561.0
05/16/67	154000	570.0
09/23/68	168000	584.0
08/28/70	188376	563.0
04/08/71	195873	547.0
08/09/72	207535	582.0
04/21/86	317171	530.0
09/08/89	337886	538.0
06/03/91	346766	604.0
06/17/91	346766	592.0

San Juan 27-4 Unit # 52

Mesaverde Offset

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Property ID: 1265

Property Name: SAN JUAN 27-4 UNIT | 52 | 51795A-1

Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

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--DATE--  ---CUM GAS--  M SIWHP
|||||  |||||  |||||
|||||  |||||  |||||
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10/29/68	0	2503.0
06/13/69	34028	1505.0
09/28/70	149909	1013.0
05/18/71	192839	992.0
06/13/72	256353	777.0
06/24/75	383450	854.0
07/06/77	462861	954.0
05/29/80	548698	1132.0
11/03/81	596873	1222.0
09/19/83	635261	1370.0
05/20/85	699826	910.0
10/16/88	819555	992.0
06/06/90	883715	795.0
11/16/92	954671	996.0

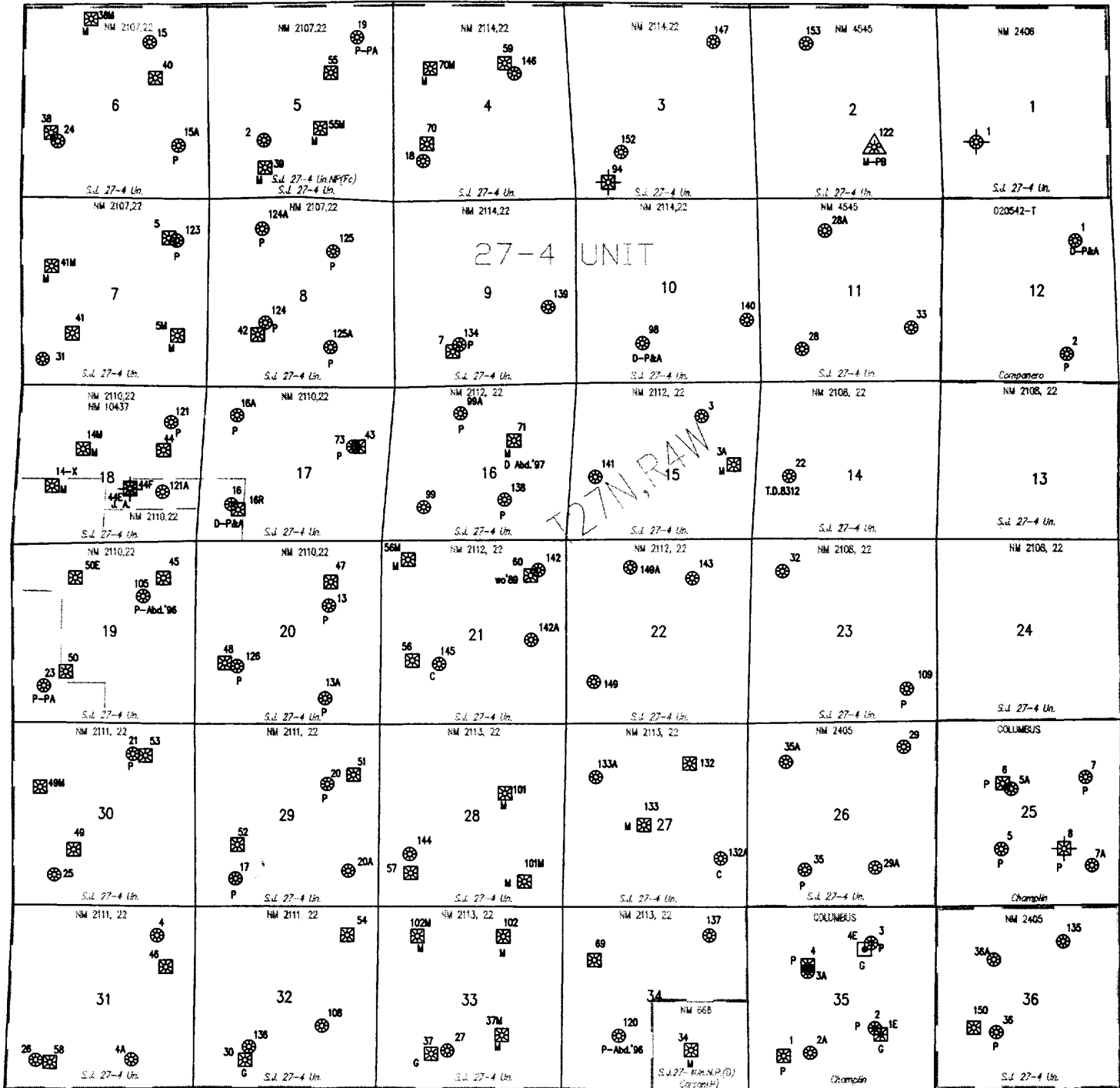
San Juan 27-4 Unit # 52

Existing Dakota

San Juan 27-4 Unit # 52

Blanco mesaverde / Basin Dakota

27N- 4W -29



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Farmington, New Mexico 87499-4289

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Cinco General Partnership
PO Box 451
Albuquerque, NM 87103-0451

x

Bedrock Limited Partners
PO Box 36480
Albuquerque, NM 87176

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Tempe LTD Partnership
c/o F.E. & M. K. Harrington
652 Fearrington Post
Pittsboro, NC 27312

x

Harco LTD Partnership
PO Box 216
Roswell, NM 88202

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