

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

San Juan 27-4 Unit

46M

31-27N-04W

Rio Arriba

Case

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)

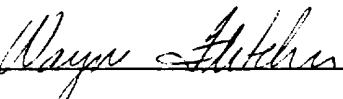
Fee

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		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. 634 psi (see attachment) (Original) b. 1373 psi (see attachment)	a. b.	a. 1125 psi (see attachment) b. 2942 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1218		BTU 1136
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 communitzied 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 avaiiable, 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



TITLE: Production Engineer

DATE: 02-04-99

TYPE OR PRINT NAME: Wayne Fletcher

TELEPHONE NO.: (505) 326-9700

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KKK, Artesia, NM 87211-0719
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

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

Form C-102
Revised February 21, 1994

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 20-039-		2 Pool Code 71599/72319		3 Pool Name Basin Dakota/Blanco Mesaverde	
4 Property Code 7452		5 Property Name SAN JUAN 27-4 UNIT			6 Well Number # 46M
7 OGBID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 7308

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
E	31	27 N	4 W		1875	NORTH	405	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
DK: N/321.16
MV: E/323.16

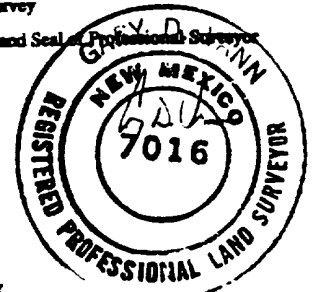
13 Joint or Infill

14 Consolidation Code

15 Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

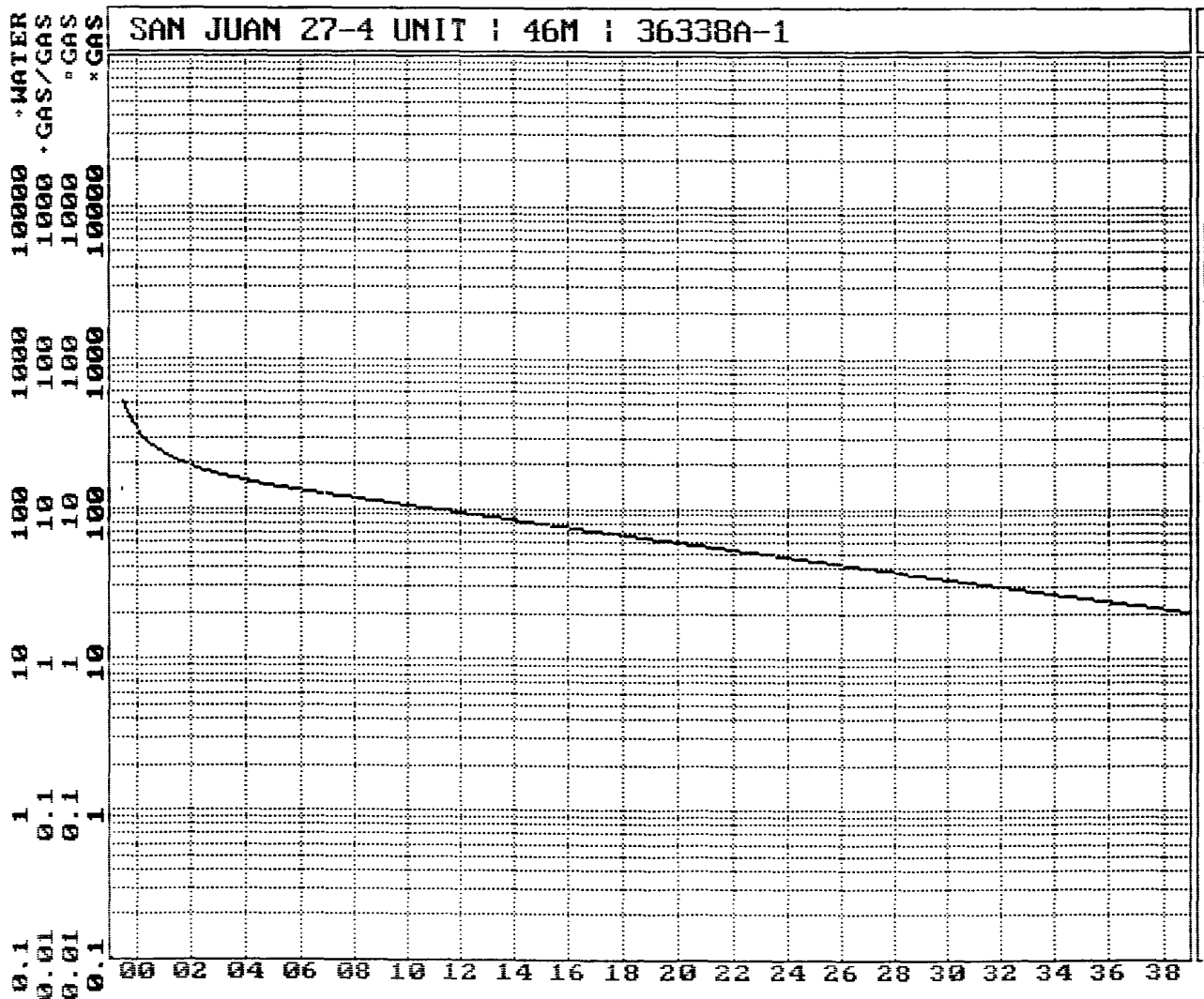
1333'(R) 1320'(R) 2640'(R) Lot 1 1875' Lot 2 405' NMSF - 080670 31 Lot 3 NMSF - 080670 Lot 4 1360'(R) 1320'(R) 2640'(R)				16 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date	
				17 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. August 11, 1998 Date of Survey Signature and Seal of Professional Surveyor 7016 Certificate Number	



San Juan 27-4 Unit #46M

Expected Production Curve

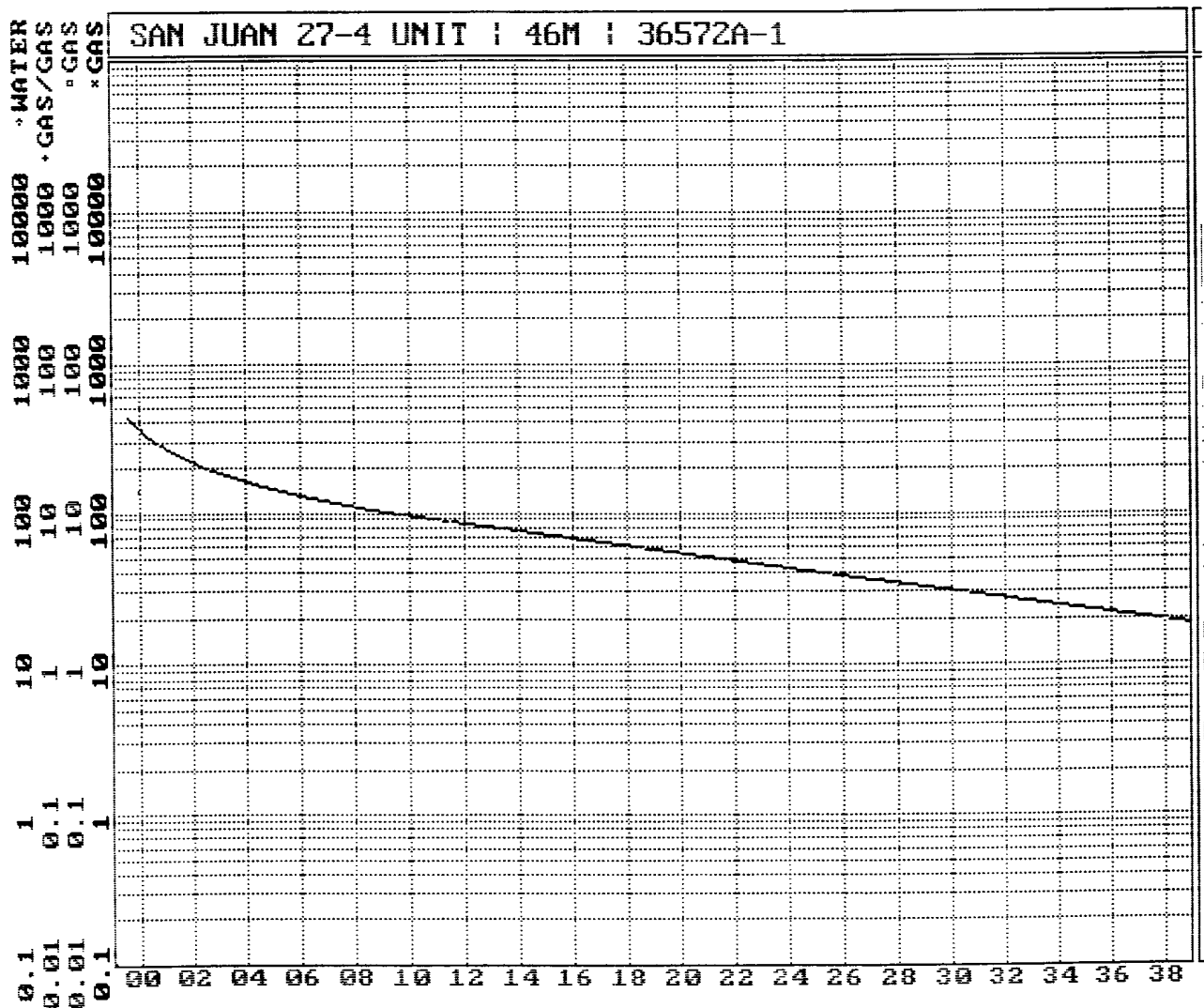
Mesaverde Formation



San Juan 27-4 Unit #46M

Expected Production Curve

Dakota Formation



Mesaverde**MV-Current**

GAS GRAVITY	0.715
COND. OR MISC. (C/M)	C
%N2	0.16
%CO2	0.83
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5891
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	542
BOTTOMHOLE PRESSURE (PSIA)	634.2

Dakota**DK-Current**

GAS GRAVITY	0.666
COND. OR MISC. (C/M)	C
%N2	0.21
%CO2	1.14
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	7983
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	927
BOTTOMHOLE PRESSURE (PSIA)	1125.2

MV-Original

GAS GRAVITY	0.715
COND. OR MISC. (C/M)	C
%N2	0.16
%CO2	0.83
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5891
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1151
BOTTOMHOLE PRESSURE (PSIA)	1372.7

DK-Original

GAS GRAVITY	0.666
COND. OR MISC. (C/M)	C
%N2	0.21
%CO2	1.14
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	7983
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2386
BOTTOMHOLE PRESSURE (PSIA)	2941.8

Page No.: 1
Print Time: Thu Feb 04 09:53:05 1999
Property ID: 1230
Property Name: SAN JUAN 27-4 UNIT | 25 | 50384A-1
Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

--DATE-- ---CUM GAS-- M SIWHP
-----Mcf-----Psi---

10/17/60	0	1151.0
11/03/60	0	1151.0
09/13/61	48000	766.0
08/06/62	80000	646.0
04/19/63	103000	628.0
05/07/64	127000	592.0
05/10/65	145000	562.0
04/19/66	166000	547.0
08/04/67	199000	531.0
05/02/68	214000	548.0
08/28/70	264082	522.0
04/08/71	273724	544.0
08/09/72	291791	429.0
11/06/83	431466	551.0
12/06/83	431466	551.0
11/04/86	469993	513.0
03/18/91	515089	530.0
04/01/91	515089	542.0

San Juan 27-4 Unit #46M

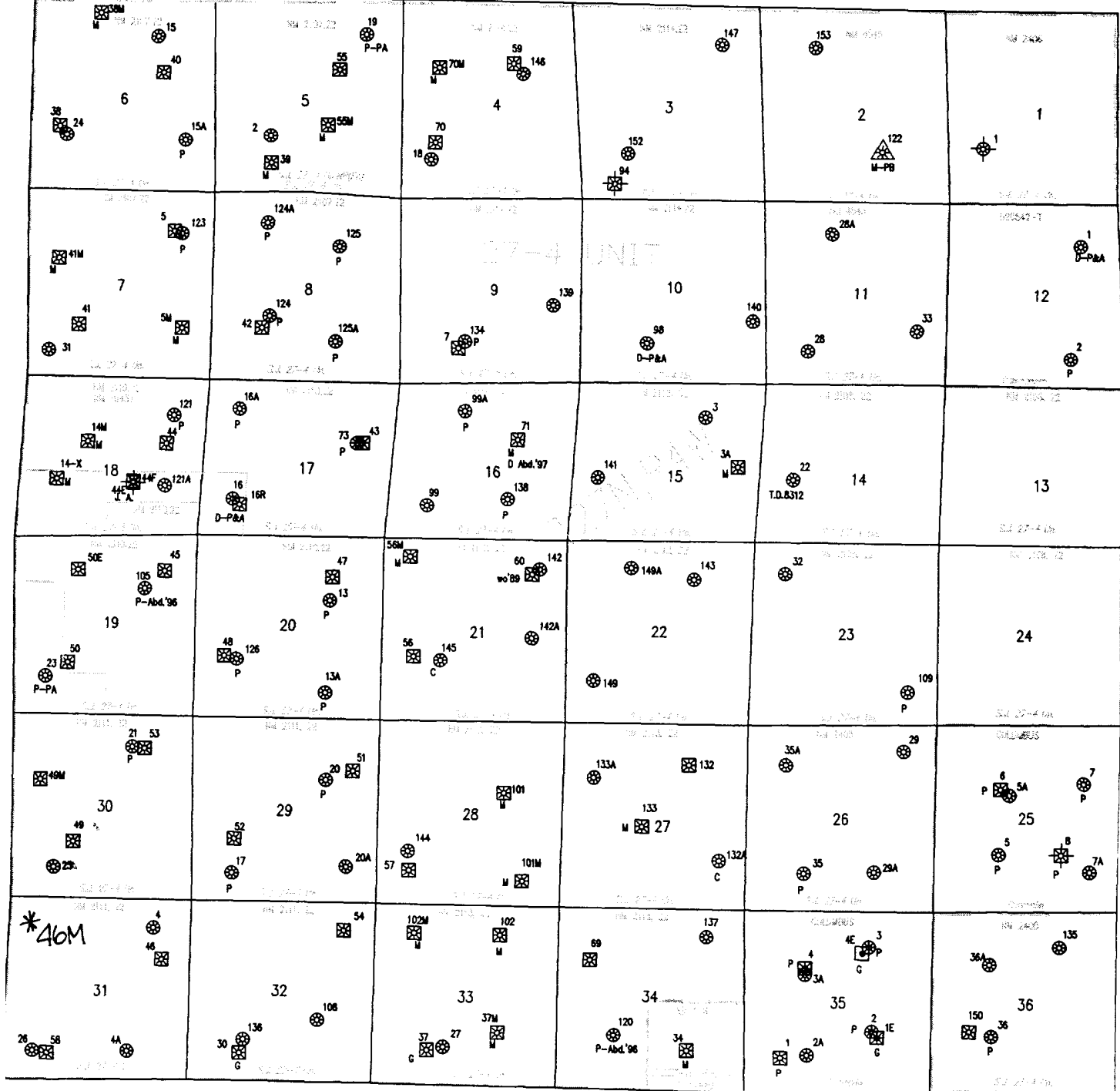
Mesaverde Offset

--DATE-- ---CUM GAS-- M SIWHP
Mcf Psi

06/28/74	0	2386.0
06/24/75	53969	1865.0
06/25/76	331522	1512.0
07/06/77	549246	1507.0
11/01/79	1009326	1230.0
04/20/81	1270868	972.0
09/19/83	1524535	1106.0
06/05/85	1641947	1195.0
10/11/88	1900869	1104.0
04/22/90	2090929	952.0
05/28/92	2246504	927.0

San Juan 27-4 Unit #46M

Dakota Offset

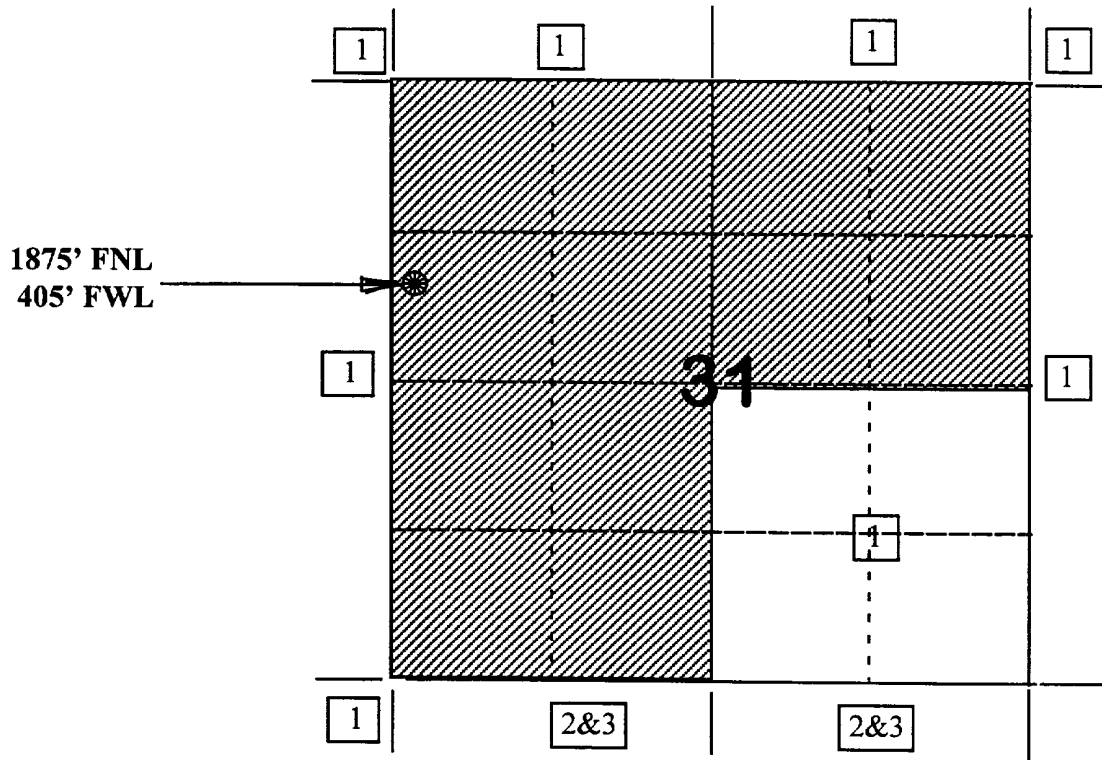


San Juan 27-4 Unit #46M

OFFSET OPERATOR/OWNER PLAT

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

Township 27 North, Range 4 West



1) Burlington Resources

2) Taurus Exploration USA, Inc
Attn: Ms. Kathy Clayton
2101 Sixth Ave. North
Birmingham, Alabama 35203

3) Chateau Oil & Gas, Inc.
5950 Berkshire Lane, Ste 275
Dallas, TX 75225