

DATE IN 8/25/00	SUSPENSE 9/14/00	ENGINEER DC	LOGGED MV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

24/30078

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -

**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling  
NSL NSP DD SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement  
X DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
WFX PMX SWD IPI EOR PPR

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**

[A] X Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 South First Street, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, New Mexico 87505  
APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE  
X Single Well  
Establish Pre-Approved Pools  
EXISTING WELLBORE  
X Yes No

Burlington Resources Oil and Gas 3401 East 30<sup>th</sup> Street, Farmington, New Mexico  
Operator Address  
San Juan 28-5 82 M - 22 - 28N - 5W Rio Arriba County, New Mexico  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 14538 Property Code 7460 API No. 30-039-20236 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Munoz Canyon Gallup		Basin Dakota
Pool Code	96767		71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6555-7754'		7884-8078'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Current - 608 Original - 2009		Current - 969 Original - 3243
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1149		1083
Producing, Shut-In or New Zone	Producing		Shut-in
Date 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: June 30, 2000 Rates: 25 MCFD	Date: Rates:	Date: July 4, 1999 Rates: 20 MCFD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Supplied Upon Completion	Oil Gas % %	Oil Gas Supplied Upon Completion

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No X  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes X No  
Are all produced fluids from all commingled zones compatible with each other? Yes X No  
Will commingling decrease the value of production? Yes No X  
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes X No  
NMOCD Reference Case No. applicable to this well: R-9893

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 working, royalty and overriding royalty interests for uncommon interest cases.  
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:  
List of other orders approving downhole commingling within the proposed Pre-Approved Pools  
List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE WRB TITLE Production Engineer DATE 8-15-00  
nco  
TYPE OR PRINT NAME Randy Buckley 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

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

Form C-107  
Revised February 21, 199-  
Instructions on back  
Submit to Appropriate District Office:  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20236		Pool Code 96767/71599		Pool Name Munoz Canyon Gallup/Basin Dakota	
Property Code 7460		Property Name San Juan 28-5 Unit			Well Number 82
OGRID No. 14538		Operator Name Burlington Resources Oil & Gas Company			Elevation 6790 GR

10 Surface Location

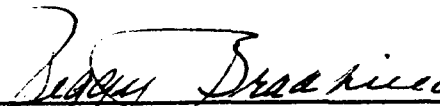
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	22	28N	5W		1031	South	1150	West	RA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

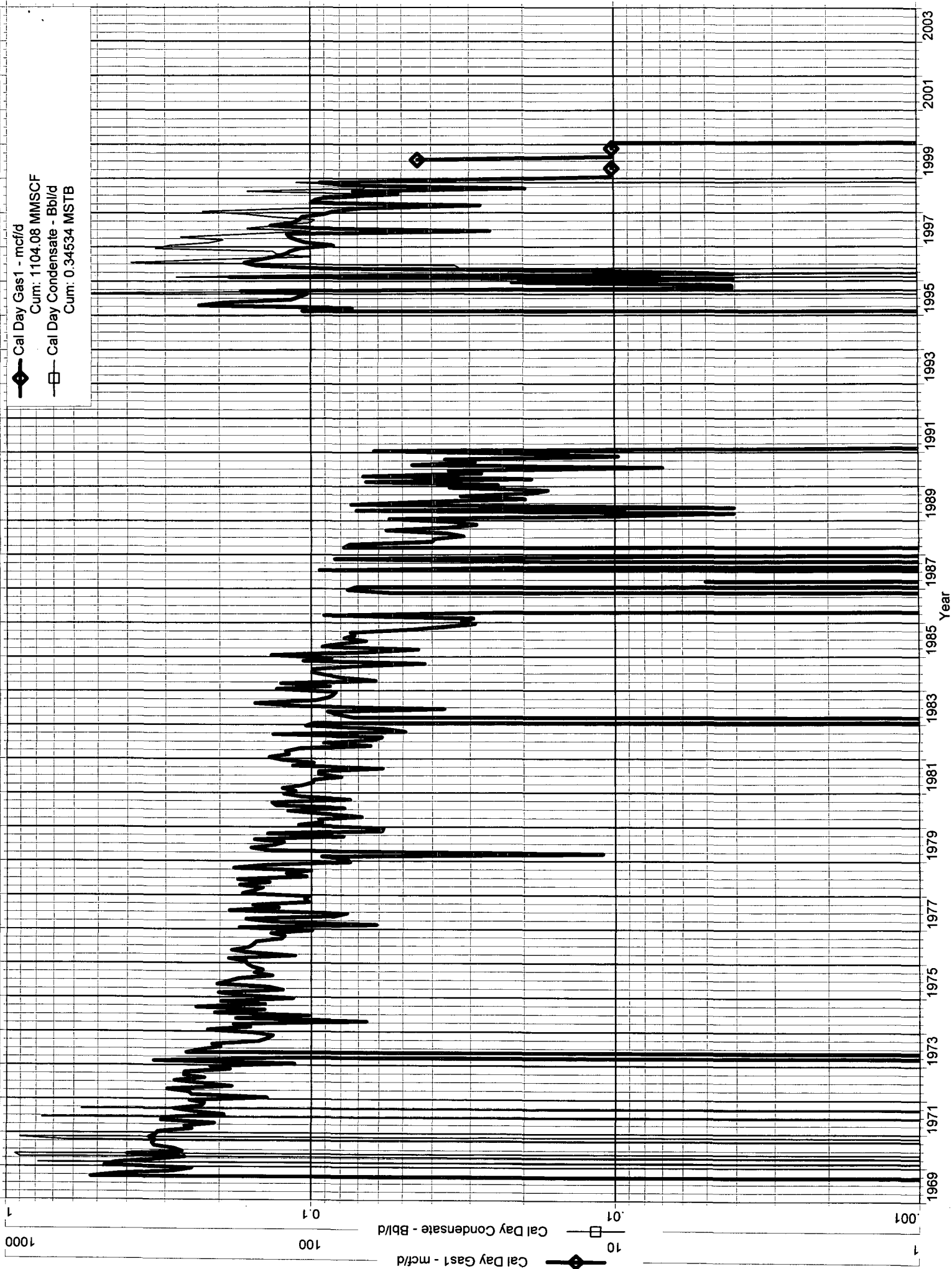
12 Dedicated Acres Gal-180 DK-W/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> <div>Original plat from David O. Vilven 3-13-69</div>				<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div> Signature</div> <div>Peggy Bradford Printed Name</div> <div>Regulatory Administrator Title</div> <div>6-17-99 Date</div>	
				<div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>_____ Date of Survey</div> <div>_____ Signature and Seal of Professional Surveyor:</div> <div>_____ Certificate Number</div>	

M, Sec 22, 28N, 5W

[illegible]



**SJ 28-5 Unit #82**

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

MANCOS		DAKOTA	
<u>MN-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.67	GAS GRAVITY	0.621
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.52	%N2	0.11
%CO2	1.43	%CO2	2.31
%H2S	0	%H2S	0
DIAMETER (IN)	1.995	DIAMETER (IN)	1.995
DEPTH (FT)	7891	DEPTH (FT)	8066
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)	501	SURFACE PRESSURE (PSIA)	812
BOTTOMHOLE PRESSURE (PSIA)	608.0	BOTTOMHOLE PRESSURE (PSIA)	969.1
<u>MN-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.67	GAS GRAVITY	0.621
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.52	%N2	0.11
%CO2	1.43	%CO2	2.31
%H2S	0	%H2S	0
DIAMETER (IN)	1.995	DIAMETER (IN)	1.995
DEPTH (FT)	7891	DEPTH (FT)	8066
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)	1602	SURFACE PRESSURE (PSIA)	2683
BOTTOMHOLE PRESSURE (PSIA)	2009.1	BOTTOMHOLE PRESSURE (PSIA)	3243.8

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See circular instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF 079519-A	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME San Juan 28-5 Unit	
3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico		8. FARM OR LEASE NAME San Juan 28-5 Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1031'S, 1150'W At top prod. interval reported below At total depth		9. WELL NO. 82	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DATE SPUDDED 7-9-69		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 22, T-28-N, R-5-W N.M.P.M.	
16. DATE T.D. REACHED 7-20-69		12. COUNTY OR Rio Arriba	
17. DATE COMPL. (Ready to prod.) 8-8-69		13. STATE New Mexico	
18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 6790' GL		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 8105'		21. PLUG BACK T.D., MD & TVD 8090'	
22. IF MULTIPLE COMPL., HOW MANY* →		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7884-8078(DK)		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN IES-IGR, FDC-GR, Temperature Survey		27. WAS WELL LOGGED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9 5/8"	32.30#	230'	13 3/4"
7"	20	3933	8 3/4"
4 1/2"	11.6, 10.5#	8105	6 1/4"
CEMENTING RECORD			
AMOUNT PULLED			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
SCREEN (MD)			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKERS SET (MD)	
2 3/8"	8066		
31. PERFORATION RECORD (Interval, size and number) 7884-94, 7974-84, 8058-78' w/20 SPZ			
32. ACID, SHOT, FRACTURE, GEL, GEL SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
7884-8078		50,000 gal. water, 50,000 sand	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 8-8-69		HOURS TESTED 3	
CHOKER SIZE 3/4"		PROD'N. FOR TEST PERIOD →	
OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS OIL RATIO	
FLOW. TUBING PRESS. SI 2683		CASING PRESSURE SI 2673	
CALCULATED 24-HOUR RATE →		OIL—BBL.	
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-AP (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY H. R. Roberts			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Original Signed by H. M. WOOD		TITLE Petroleum Engineer	
DATE August 27, 1969			

\*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137

Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-079519A	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY		7. UNIT AGREEMENT NAME San Juan 28-5 Unit	
3. ADDRESS AND TELEPHONE NO. PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. FARM OR LEASE NAME, WELL NO. San Juan 28-5 Unit #82	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1031'FSL, 1150'FWL,  At top prod. interval reported below  At total depth		9. API WELL NO. 30-039-20236	
10. FIELD AND POOL, OR WILDCAT Munoz Canyon Gallup		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 22, T-28-N, R-5-W	
14. PERMIT NO.		DATE ISSUED	
12. COUNTY OR PARISH Rio Arriba		13. STATE New Mexico	
15. DATE SPUDDED 7-9-69	16. DATE T.D. REACHED 7-20-69	17. DATE COMPL. (Ready to prod.) 1-25-00	18. ELEVATIONS (DF, RKB, RT, BR, ETC.)* 6790' GR
19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 8105'	21. PLUG. BACK T.D., MD & TVD CIBP @ 7850'	22. IF MULTIPLE COMPL., HOW MANY* 2	23. INTERVALS DRILLED BY 0-8105'
24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 6555-7754' Gallup			25. WAS DIRECTIONAL SURVEY MADE
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL-CCL-GR			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9 5/8	32.3#	230	13 3/4
7	20#	3933	8 3/4
4 1/2	11.6 & 10.5#	8105	6 1/4
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8	7773	CIBP @ 7850	
31. PERFORATION RECORD (Interval, size and number) 6555-6972', 7330-7500', 7642-7754'			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6555-6972'	1725 bbl 25# x-link gel, 100,000# 20/40 tempered LC sd		
7330-7500'	1270 bbl 25# x-link gel, 60,000# 20/40 tempered LC sd		
7642-7754'	540 bbl x-link gel, 1600# 20/40 tempered LC sd		
33. PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) SI
DATE OF TEST 1-25-00	HOURS TESTED 1	CHOKE SIZE	PROD'N FOR TEST PERIOD
FLOW. TUBING PRESS. SI 694	CASING PRESSURE SI 1404	CALCULATED 24-HOUR RATE	OIL-BBL GAS-MCF WATER-BBL 434 MCF/D Pitot Gauge
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS None			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			

SIGNED

TITLE Regulatory Administrator

DATE 1-27-00

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

FARMINGTON FIELD OFFICE  
BY

FB 02 2000



AI Number	Meter Number	Well	Formation	Sample Date	Test Pressure	Test Temperature	Wet BTU Factor (BTU/CF at 14.73)	Dry BTU Factor (BTU/CF at 14.73)	Mol % H2	Mol % He
4403701	87315	SAN JUAN 27-4 UNIT 57 ( DK )	DK	19980601	14.73	60	1241.041	1263	0	0
5174801	75901	SAN JUAN 28-5 UNIT 75 ( DK )	DK	19980717	14.73	60	1017.988	1036	0	0
5229101	87065	SAN JUAN 28-5 UNIT 82 ( DK )	DK	19970505	14.73	60	1038.623	1057	0	0
5433001	95547	SAN JUAN 28-5 UNIT 63E ( DK )	DK	19960607	14.73	60	1016.023	1034	0	0
6656101	34842	RICHARDSON 8E ( DK )	DK	19980301	14.73	60	1134.919	1155	0	0

Mol % N2	Mol % O2	Mol % H2S	Mol % CO2	Mol % C1	Mol % C2	Mol % C3	Mol % C4	Mol % NC4	Mol % IC3	Mol % NC5	Mol % C6	Mol % C6+	Mol % C7	Field Measured Specific Gravity	Calculated Specific Gravity
0.24	0	0	0.95	78.61	12.03	4.61	0.73	1.27	0.57	0.56	0	0.43	0	0	0.732
0.11	0	0	1.61	94.68	2.85	0.38	0.11	0.06	0.05	0.02	0	0.13	0	0	0.596
0.11	0	0	2.34	91.71	4.29	0.76	0.23	0.15	0.11	0.05	0	0.25	0	0	0.621
0.11	0	0	1.49	95.1	2.61	0.34	0.1	0.06	0.05	0.02	0	0.12	0	0	0.592
0.26	0	0	2.44	83.58	8.25	3.34	0.66	0.95	0.23	0.15	0	0.14	0	0	0.687

Page No.: 3

Print Time: Wed Aug 02 10:56:00 2000

Property ID: 1668

Property Name: SAN JUAN 28-5 UNIT | 82 | 52291A

Table Name: R:\RESERVES\GDPNOS\TEST.DBF

--DATE--	---CUM GAS--	M FWHP-	M FBHP-	M SIWHP	M SIBHP	C FWHP-	C FBHP-	C SIWHP	C
■■■■■■■■■■	■■■■■■■■■■Mcf■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■	■■■■■■■■■■	■■■■■■■■■■	■■■■■■■■■■
08/08/69	0	0.0	0.0	2683.0	3199.0	0.0	0.0	0.0	0.0
06/19/70	110388	393.0	0.0	1237.0	1466.0	0.0	0.0	0.0	0.0
08/17/71	232259	334.0	0.0	970.0	1145.0	0.0	0.0	0.0	0.0
05/15/72	296248	562.0	0.0	1060.0	1253.0	0.0	0.0	0.0	0.0
07/05/73	384501	499.0	0.0	1334.0	1582.0	0.0	0.0	0.0	0.0
08/13/75	508194	338.0	0.0	1132.0	1340.0	0.0	0.0	0.0	0.0
06/15/77	601448	405.0	0.0	1229.0	1456.0	0.0	0.0	0.0	0.0
07/02/79	698221	320.0	0.0	1327.0	1574.0	0.0	0.0	0.0	0.0
06/11/81	769320	261.0	0.0	535.0	627.0	0.0	0.0	0.0	0.0
09/27/83	843572	324.0	0.0	711.0	836.0	0.0	0.0	0.0	0.0
07/11/85	901539	302.0	0.0	874.0	1030.0	0.0	0.0	0.0	0.0
10/04/88	939673	376.0	0.0	812.0	956.0	0.0	0.0	0.0	0.0

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN **DATE**  
(See other instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137

Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

SF-080516A

6. IF INDIAN ALLOTTEE OR TRIBE NAME

San Juan 28-5 Unit

7. UNIT AGREEMENT NAME

San Juan 28-5 Unit

8. FARM OR LEASE NAME, WELL NO.

San Juan 28-5 Unit #54E

9. API WELL NO.

30-039-23813

10. FIELD AND POOL OR WILDCAT

WC:Munoz Canyon Gal/Basin DK

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 20, T-28-N, R-5-W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☒ Other ☐

2. NAME OF OPERATOR

BURLINGTON RESOURCES OIL & GAS COMPANY

3. ADDRESS AND TELEPHONE NO.

PO BOX 4289, Farmington, NM 87499 (505) 326-9700

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1190'FNL, 1495'FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUNDED

9-1-85

16. DATE T.D. REACHED

9-10-85

17. DATE COMPL. (Ready to prod.)

5-12-98

18. ELEVATIONS (DF, RKB, RT, BR, ETC.)\*

6644 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7961

21. PLUG. BACK T.D., MD & TVD

CIBP @ 7380

22. IF MULTIPLE COMPL., HOW MANY\*

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-7961

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*

6912-7333 Gallup

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.3#	225	12 1/4	148 cu.ft.	
7	20#	3856	8 3/4	325 cu.ft.	
4 1/2	11.6#	7961	6 1/4	639 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2	7328	CIBP @ 7380

30. TUBING RECORD



31. PERFORATION RECORD (Interval, size and number)

6912-7333

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6912-7333	4900 gal 70Q foam, 200,000# 20/40 Brady sd

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
5-12-98		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROOF FOR TEST PERIOD	OIL-BBL	GAS-MCF	WATER-BBL	GAS-OIL RATIO	
5-12-98					492 Pitot Gauge			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL	GAS-MCF	WATER-BBL	OIL GRAVITY-API (CORR.)		
SI 1840	SI 1840							

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Nancy Detmold

TITLE Regulatory Administrator

DATE 5-22-98

JUN 01 1998

ACCEPTED FOR RECORD

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

TOW/cs Production Accounting

File Edit Tools Window Help

Gas Analysis Information

Name

SAN JUAN 20-5 UNIT 54E GL

Analysis Name

Analysis:

1:1

Analysis

Effective Date

04/18/2000

Sample Date

04/01/2000

Pressure Base BTU

14.7300

Wet/Dry

Dry

BTU

1.14900000

Specific Gravity

0.670

Calculation Type

Enter Percentages

Enter GPM

Related To

Hydrogen (H2)

0.00000

0.0000

Helium (He)

0.00000

0.0000

Nitrogen (N2)

0.00521

0.0000

Carbon Dioxide (CO2)

0.01430

0.0000

Hydrogen Sulphide (H2S)

0.00000

0.0000

Methane (C1)

0.86618

0.0000

Ethane (C2)

0.07280

0.0000

Propane (C3)

0.02157

0.0000

Isobutane (IB4)

0.00281

0.0000

Butane

0.00330

0.0000

Isopentane (IP5)

0.00270

0.0000

Pentane (P5)

0.00232

0.0000

Hexane (C6)

0.00000

0.0000

Heptane (C7)

0.00000

0.0000

Total

0.9912

0.0000

02 GPM

0.0000

Hexanes Plus GPM

0.0000

04/18/2000

3:3

08/03/2000 9:38:35 AM

1

Start

Inbox

Microsoft Excel

TOW/cs Production

Snagit/32

9:38 AM

Page No.: 1  
 Print Time: Mon Aug 07 08:48:25 2000  
 Property ID: 1629  
 Property Name: SAN JUAN 28-5 UNIT | 54E | 54329A  
 Table Name: R:\RESERVES\GDPNOS\TEST.DBF

--DATE--	---CUM_GAS--	M FWHP-	M FBHP-	M SIWHP	M SIBHP	C FWHP-	C FBHP-	C SIWHP	C
■■■■■■■■■■	■■■■■■■■■■Mcf■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■	■■■■■■■■■■	■■■■■■■■■■	■■■■■■■■■■
10/07/85	0	0.0	0.0	1602.0	0.0	0.0	0.0	0.0	
12/12/85	42225	315.0	0.0	1057.0	0.0	0.0	0.0	0.0	
09/19/86	117591	318.0	0.0	882.0	0.0	0.0	0.0	0.0	
12/18/87	260717	379.0	0.0	728.0	0.0	0.0	0.0	0.0	
10/04/88	329905	358.0	0.0	702.0	0.0	0.0	0.0	0.0	
04/08/90	401308	389.0	0.0	912.0	0.0	0.0	0.0	0.0	
09/29/92	573187	0.0	0.0	619.0	0.0	0.0	0.0	0.0	
01/31/94	694337	0.0	0.0	501.0	0.0	0.0	0.0	0.0	

*lm* *St* *Q*

STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

**RECEIVED**  
MAY 24 1993  
OIL CON. DIV  
DIST. 3

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 10663  
Order No. R-9893

APPLICATION OF UNION OIL COMPANY  
OF CALIFORNIA d/b/a UNOCAL FOR AN  
ADMINISTRATIVE DOWNHOLE COMMINGLING  
PROCEDURE WITHIN THE RINCON UNIT  
AREA, RIO ARriba COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on February 4, 1993, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 18th day of May, 1993, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Union Oil Company of California, d/b/a Unocal, seeks the adoption of an administrative procedure for authorizing the downhole commingling of Blanco-Mesaverde, Largo-Gallup, or Undesignated Gallup Pool production with production from the Basin-Dakota Gas Pool within certain existing and subsequently drilled wells in its Rincon Unit Area, Rio Arriba County, New Mexico, without additional notice to each affected interest owner within the Unit Area.

(3) The Rincon Unit is a Federal exploratory unit initially comprising some 20,643 acres in portions of Townships 26 and 27 North and Ranges 6 and 7 West, NMPM, Rio Arriba County, New Mexico. The unit was formed in 1952 and is currently operated by Union Oil Company of California.

(4) The evidence and testimony presented indicates that the Basin-Dakota Gas Pool has been fully developed on 320-acre spacing within the Rincon Unit and that approximately half of the Unit Area has been infill drilled in the Basin-Dakota Gas Pool on 160-acre spacing. The Dakota Participating Area (PA) currently comprises virtually the entire unit area.

(5) The applicant has identified approximately thirty-three (33) infill Basin-Dakota well locations within the Unit Area which may be subsequently drilled.

(6) Based upon historical production, the applicant expects Basin-Dakota initial production from infill drilling to be marginal in nature ranging from approximately 150-600 MCF gas per day per well.

(7) Testimony and evidence presented by the applicant indicates that gas reserves in the Dakota formation on an individual well basis are not sufficient to economically justify the drilling of new wells to produce such reserves.

(8) The current well economics and expected Dakota producing rates virtually assure that these wells will be candidates for downhole commingling with either the Mesaverde or Gallup zones.

(9) The applicant has also identified approximately forty-two (42) current Dakota producing wells, some recently drilled, which also by virtue of well economics and producing rates make them candidates for downhole commingling.

(10) The applicant expects initial producing rates from the Mesaverde and Gallup formation to be marginal in nature.

(11) The Gallup, Dakota and Mesaverde Participating Areas within the Rincon Unit are not common.

(12) According to applicant's evidence, the working interest ownership within the Rincon Unit is fixed and common among the various wells and zones and is not affected by participating areas.

(13) According to further testimony, the royalty and overriding royalty interest ownership within the Rincon Unit varies between participating areas established for different locations and pools.



(14) Applicant's Exhibit No. 6 in this case is a list of one hundred and twenty (120) royalty and overriding royalty interest owners in the Dakota, Gallup and Mesaverde Participating Areas within the Rincon Unit. All such royalty and overriding royalty interest owners, as well as working interest owners, were notified of the application in this case.

(15) Rule No. 303(C) of the Division Rules and Regulations provides that administrative approval for downhole commingling may be granted provided that the interest ownership, including working, royalty and overriding royalty interest, is common among the commingled zones.

(16) Applicant's proposed administrative procedure would provide for Division approval to downhole commingle wells in the Rincon Unit Area without hearing, and without the requirement that each interest owner in the Dakota, Mesaverde and/or Gallup Participating Areas be notified of such commingling.

(17) The downhole commingling of wells within the Rincon Unit Area will benefit working, royalty and overriding royalty interest owners. In addition, the downhole commingling of wells within the Rincon Unit Area should not violate the correlative rights of any interest owner.

(18) The evidence in this case indicates that notice to each interest owner within the Dakota, Mesaverde and/or Gallup Participating Areas of subsequent downhole comminglings within the Rincon Unit is unnecessary and is an excessive burden on the applicant.

(19) No interest owner and/or offset operator appeared at the hearing in opposition to the application.

(20) An administrative procedure should be established within the Rincon Unit for obtaining approval for subsequently downhole commingled wells without notice and hearing, provided however that, all provisions contained within Rule No. 303(C) of the Division Rules and Regulations, with the exception of Part 1 (b)(v), are fully complied with.

(21) The proposed administrative procedure for obtaining approval for downhole commingling will allow the applicant the opportunity to recover additional gas reserves from the Rincon Unit Area which may otherwise not be recovered, thereby preventing waste, and will not violate correlative rights.

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**IT IS THEREFORE ORDERED THAT:**

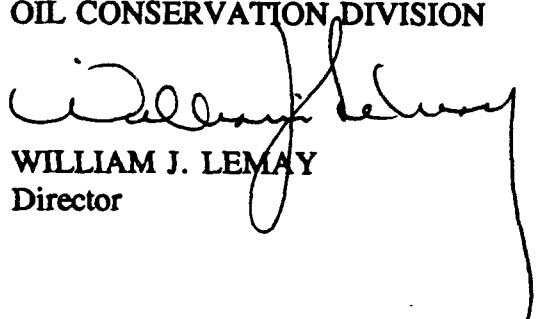
(1) An administrative procedure for obtaining approval to downhole commingle wells within the Rincon Unit, located in portions of Townships 26 and 27 North, Ranges 6 and 7 West, NMPM, Rio Arriba County, New Mexico, is hereby established.

(2) In order to obtain Division authorization to downhole commingle wells within the Rincon Unit, the applicant shall file an application with the Santa Fe and Aztec Offices of the Division. Such application shall contain all of the information required under Rule No. 303(C) of the Division Rules and Regulations, provided however that the applicant shall not be required to provide notice to all interest owners within the Dakota, Mesaverde and/or Gallup Participating Areas in the Rincon Unit of such proposed commingling. In addition, the application shall contain evidence that all offset operators and the United States Bureau of Land Management (BLM) have been notified of the proposed commingling.

(3) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

S E A L

TBL\_SJ\_28\_5\_UNIT\_82\_OWNERS

Firstname

ALGERNON W BROWN TRUST U/W/O  
BANK OF AMERICA  
BUREAU OF LAND MANAGEMENT  
BURLINGTON RESOURCES O&G CO  
CHARLES W GAY  
D A ABRAHAM LLC  
DEVON ENERGY PRODUCTION CO LP  
E J E BROWN COMPANY  
EDNA E MORRELL LIV TR 11-1073  
ELEANOR G HAND  
EVELYN G BROWN TRUST U/W/O  
FIRST NATL BK SANTA FE AGENT  
HARCO LTD PARTNERSHIP  
HARRINGTON ENERGY RESOURCES LTD  
HARRINGTON SOUTHWEST ENERGY LTD  
JAMES M RAYMOND  
JAMES V HARRINGTON  
JUAN R MONTANO  
KATHLEEN EARNEST RIOS TRUSTEE  
KATHLEEN QUINN  
LESLIE C TATUM  
LMA ROYALTIES LTD  
LORRAYN GAY HACKER  
M A R OIL AND GAS CORP INC  
MARY F ROBERTS  
MARY JO WELLS  
MARY JONE CHAPPELL  
MAYDELL MILLER MAST  
MIKE C ABRAHAM TRUSTEE  
PATRICIA ANN ASHBURN  
PATRICIA P SCHIEFFER  
PHILIP O MEADOWS & LEE D  
POOL HAROLD IRREV RE  
PURE RESOURCES LP  
ROBBYE F BAKER  
ROBERT S TATUM TRUSTEE  
RUTH ZIMMERMAN TRUST  
SCOTT ANTHONY VENEZIA  
STEVE J ABRAHAM PERS REP  
TEMPE LTD PARTNERSHIP  
TERRI GREENE LEAGUE TRUSTEE  
THE FIRST NATIONAL BANK OF SANTA FE  
THELMA POOL REV MARITAL TRST  
UW FOSTER MORRELL DECD 11-1065