DATE IN	8/25/00	AUGRENSE 9/14/00 ENGINEER DC LOGGED AN THE DHC
<u></u>	•	ABOVE THIS LINE FOR DIVISION USE ONLY
		ABOVE THIS LINE FOR DIVISION USE ONLY NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
		- Engineering Bureau -
		280
		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS COVERSHE	ET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applic	cation Acronym	
		[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication]
		vnhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
	[PC-P	ool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [] [] [] [] [] [] [] [] [] [] [] [] []
		[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
	[EOR-Qua	alified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF A	APPLICATION - Check Those Which Apply for [A]
[-]	[A]	Location - Spacing Unit - Directional Drilling
		NSL NSP DD SD AUG 2.5 2000 AUG
	Chec	k 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
		WIX IMA SWD III EOR IIR
[2]	NOTIFICA	TION REQUIRED TO: - Check Those Which Apply, or Does Not Apply
	[A]	Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	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]	INFORMA	TION / 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.

Signature

Regulatory/Compliance Administrator

Title

Print or Type Name

Peggy Cole

...*****

<u>District I</u>

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

0 South Pacheco, Santa Fe, NM 87505

District IV

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 G		treet, Farmington, New Mexico	
<u>San Juan 28-5</u> Lease	63E J – Well No. Unit Letter	- 20 – 28N – 5W R -Section-Township-Range	<u>io Arriba County, New Mexico</u> County X Federal State Fee
OGRID No14538 Property C	.oue7400 AFI No50	-059-25814 Lease Type.	
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)	6485-7680'		7847-8040'

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 – 986 Original - 3064
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1149		1016
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: 9 MCFD	Date: Rates:	Date: January 21, 2000 Rates: 100 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? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes	NoX X No
Are all produced fluids from all commingled zones compatible with each other?	Yes	XNo
Will commingling decrease the value of production?	Yes	NoX
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	XNo
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.

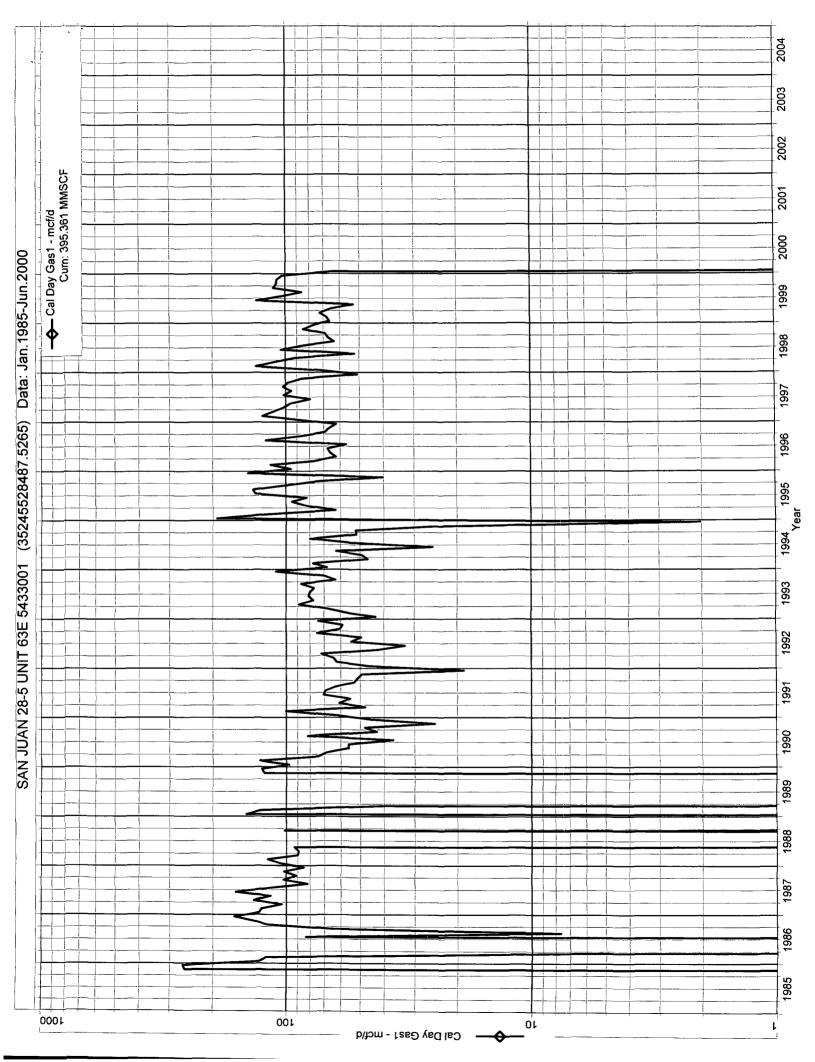
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

		ompiete to t	and best of my knowledge and ben				
SIGNATURE	h	_TITLE	Production Engineer	DATE	8-1	15-04	
nco	1=						
TYPE OR PRINT NAME	Randy Buckley		TELEPHONE NO (505)	326-0700	

PO Box 2088, Santa Fe, Ni	M 88211-0719 , NM 87410 4 87504-2088		Energy, S OIL C(Sai	ONSERVAT PO Box nta Fe, NM	I Resources Department TION DIVISIC 2088	ON 35 UN 17 ;		Instr propriate State L Fee L	Form C-102 oruary 21, 1994 uctions on back e District Office cease - 4 Copies cease - 3 Copies
API Num			¹ Pool Code			' Pool Na			
30-039-238	L 4	9676	57/7159		<u>Munoz Cany</u>	on Gallur	<u>/Basir</u>		
* Property Code 7460		Sar	n Juan	[,] Property 28-5 Uni				• w 63E	/ell Number
' OGRID No.	<u>+</u>			¹ Operator				•	Elevation
14538	<u> </u>	Burli	ngton		<u>s Oil & Gas</u>	5 Company		677	76 GR
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UL or lot no. Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West	line	County
" Dedicated Acres " Joi Gal-160	t or Infill 14 (Consolidatio	L	Drder No.	<u> </u>				
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T28N - R5W



SJ 28-5 Unit #63E 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 GRAVITY0.67COND. OR MISC. (C/M)C%N20.52%CO21.43%H2S0DIAMETER (IN)1.9DEPTH (FT)7891SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)501BOTTOMHOLE PRESSURE (PSIA)608.0	%N2 0.1 %CO2 1.4 %H2S 1.4 DIAMETER (IN) 1. DEPTH (FT) 800 SURFACE TEMPERATURE (DEG F) 6 BOTTOMHOLE TEMPERATURE (DEG F) 15	
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NEW WELL	WORK DEE	PLUG BACK	DIFF	Other			S. FARM OR		
2. NAME OF OPERATO				······			San 9. WELL NO		28-5 Uni
E1 Paso Na		Company		<u> </u>				h.	
P. O. Box	4289, Farm	ington, NM	87499		E I V I			ND POOL,	OR WILDCAT
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26. TYPE ELECTRIC AN Ind. Gamma 23. CASING SIZE 9 5/8" 7" 4 1/2" 29. SIZE 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33.*	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) ND (Interval, str. 7983, 7934, 7983, 7996, 3025, 8030, NN PRODUC	Сотр. Densi CASI FT. DEPTH SET 226 4001 8076 LINER RECORD ВОТТОМ (MD) 7938, 7942 8000, 8004 8035, 8040	NG RECORD (R (MD) 1 5' 1 L' 5' 2 SACKS CEMENT 2, 7946, 4, 8008, 0 w/1 SPZ.	eport all strings 10LE SIZE 2 1/4" 8 3/4" 6 1/4" SCREEN (M) 32. DEPTH INT 7847-8 DOU'CTION SUMPING-425	a set in well) 12 14 30. 0) size 1 1 ACID. SHOT SERVAL (MD) 3040	2'' 178	NG RECORD 1 ft 1 ft TUBING REC DEPTH SET (J 8038 1 CTURE, CEMEN AMOUNT AND KIN ,000# 20/4	S. URD UD T SQUED D OF MA O SAN(tr STATUB	NO AMOUNT PULL PACKER SET () EZE. ETC. ATTERIAL (SED d&112,444 eated wat (Producing or
26. TYPE ELECTRIC AN Ind. Gamma 28. CASINO SIZE 9 5/8" 7" 4 1/2" 29. SIZE 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33. CASE FIRST PRODUCTIO 9-22-85	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) ND (Interval, str. 7983, 7934, 7983, 7996, 3025, 8030, NN PRODUC	асти Comp. Densi CASI FT. DEPTH SET 226 4001 8076 LINER RECORD ВОТТОМ (MD) с and number) 7938, 7942 8000, 8004 8035, 8040 стном метнор (FI wing – Caj	NG RECORD (R (MD) 5' 1 1' 5' 2 SACKS CEMENT SACKS CEMENT 2, 7946, 4, 8008, 0 w/1 SPZ. PR: owing, gas lift, pable of (when conne	eport all strings 10LE SIZE 2 1/4" 8 3/4" 6 1/4" SCREEN (M) 32. DEPTH INT 7847-8 DOU'CTION pumping—size of Comm. HC to ected.	act in well) 14 14 30. 1 1 1 1 1 1 1 200 30. 31. 32. 33. <	2'' 178 178 178 178	NG RECORD 1 ft 1 ft TUBING RECO DEFTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WELL ahu	S. URD URD (D) T SQUEN T SQUEN T SQUEN STATUB STATUB (-in) S	NO AMOUNT PULL PACKER SET (1) EZE. ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in
26. TYPE ELECTRIC AN Ind. Gamma 23. CASINO SIZE 9 5/8" 7" 4 1/2" 29. SIZE 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33. CASINO SIZE 33. CASINO SIZE 9 5/8" 7" 4 1/2" 29. 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33. CASINO SIZE 0 5/8" 29. 29. 29. 29. 20. 20. 20. 20. 20. 20. 20. 20	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) NBD (Interval, ALE 7893, 7934, 7983, 7996, 3025, 8030, N PRODUC Flow HOURS TESTED	Comp. Densi CASI CASI T. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) c and number) , 7938, 7942 , 8000, 8004 , 8035, 8040 ction Method (FI Wing - Caj	NG RECORD (R (MD) 5' 1 1' 5' 1 5' 1 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5'	eport all strings (0.E SIZE 2 1/4" 8 3/4" 6 1/4" 6 1/4" SCREEN (M) 32. DEPTH INT 7847-8 ODUCTION pumping—eize of COMM. HC t	act in well) 14 14 30. 1 1 <	2'' 178 178 178 178	NG RECORD 1 ft 1 ft TUBING REC DEPTH SET (J 8038 1 CTURE, CEMEN AMOUNT AND KIN ,000# 20/4	S. URD URD (D) T SQUEN T SQUEN T SQUEN STATUB STATUB (-in) S	NO AMOUNT PULL PACKER SET () EZE. ETC. ATTERIAL (SED d&112,444 eated wat (Producing or
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26. TYPE ELECTRIC AN Ind. Gamma 23. CASINO SIZE 9 5/8" 7" 4 1/2" 29. 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33. DATE FIRST PRODUCTION 9-22-85 DATE OF TEST 10-2-85 FLOW. TUBING PRESS. 1559 SI	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) VED (Interval, ME) V893, 7934, 7983, 7996, 3025, 8030, N PRODUC Flow HOURS TESTED SI 7 Days CASING PRESSURE 1559 SI	Comp. Densi CASI CASI FT. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) FC and number) 7938, 7942 8000, 8004 8035, 8040 CTION METHOD (FI Wing - Cal CHOKE SIZE CALCULATED 24-HOUR RATE 24-HOUR RATE	NG RECORD (R (MD) 5' 1 1' 5' 1 5' 1 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5'	eport all atrings (0.E SIZE 2 1/4" 8 3/4" 6 1/4" 6 1/4" SCREEN (M) 32. DEPTH INT 7847-8 ODU'CTION pumping—size of Comm. HC to cted. 0 CAS-3	act in well) 12 12 33 55 11 30. 512E 11 11 ACID. SHOT SIZE 11 ACID. SHOT SIZE 10 SIZE 11 ACID. SHOT SIZE SO40 SIZE GAS-M	211 178 178 178 178 178 178 178 1	NG RECORD 1 ft 1 ft 1 ft TUBING REC DEPTH SET (3) 8038 ' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBL 0 RKBL. F10W	S. URD UD T SQUEI D OF MA O SAN(tr STATUB S. OIL GRA	NO AMOUNT PI'LL PACKER SET (1) EZE. ETC. ITERIAL USED d&112,444 eated wat eated wat (Producing or hut in as-oil Eatio 0
26. TYPE ELECTRIC AN Ind. Gamma 23. CASING SIZE 9 5/8" 7" 4 1/2" 29. size 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33.* DATE FIRST PRODUCTIO 9-22-85 DATE OF TEST 10-2-85 VLOW. TUBING PRESS. 1559 SI 34. DISPOSITION OF GAS	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) PRD (Interval, enz. 7893, 7934, 7983, 7996, 3025, 8030, PRODUCE Flow HOURS TESTED SI 7 Days CASING PRESSURE 1559 SI 5 (Sold, used for f	Comp. Densi CASI CASI FT. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) FC and number) 7938, 7942 8000, 8004 8035, 8040 CTION METHOD (FI Wing - Cal CHOKE SIZE CALCULATED 24-HOUR RATE 24-HOUR RATE	NG RECORD (R (MD) (MD) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	eport all atrings (0.E SIZE 2 1/4" 8 3/4" 6 1/4" 6 1/4" SCREEN (M) 32. DEPTH INT 7847-8 ODU'CTION pumping—size of Comm. HC to cted. 0 CAS-3	act in well) 12 12 33 55 11/2 30. 512E 11/2 ACID. SHOT CERVAL (MD) 3040 and type of put Co be tes (ASS-M) MCF.	211 178 178 178 178 178 178 178 1	NG RECORD 1 ft 1 ft 1 ft TUBING REC DEPTH SET (3) 8038 ' CTURE. CEMEN AMOUNT AND KIN 000# 20/4 WELL SAU WATER-BBI 0 RHBL. F10W	S. URD URD (D) T SQUEI T SQUEI OF MA O SAN(tr) STATUS COLL GRA SSED BT	NO AMOUNT PULL PACKER SET () EZE. ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in as-oil RATIO 0 VITY-API (CORR 0
26. TYPE ELECTRIC AN Ind. Gamma 28. CASING SIZE 9 5/8" 7" 4 1/2" 29. SIZE 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33.* DATE FIRST PRODUCTIO 9-22-85 DATE OF TEST 10-2-85 PLOW: TUBING PRESS. 1559 SI 34. DISPOSITION OF GAS Shut in to be	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) MBD (Interval, and 7893, 7934, 7983, 7996, 8025, 8030, N PRODUC Flow HOURS TESTED SI 7 Days CASING PRESSURE 1559 SI 3 (Sold, used for feed	Comp. Densi CASI CASI FT. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) FC and number) 7938, 7942 8000, 8004 8035, 8040 CTION METHOD (FI Wing - Cal CHOKE SIZE CALCULATED 24-HOUR RATE 24-HOUR RATE	NG RECORD (R (MD) (MD) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	eport all atrings (0.E SIZE 2 1/4" 8 3/4" 6 1/4" 6 1/4" SCREEN (M) 32. DEPTH INT 7847-8 ODU'CTION pumping—size of Comm. HC to cted. 0 CAS-3	act in well) 12 12 33 55 11/2 30. 512E 11/2 ACID. SHOT CERVAL (MD) 3040 and type of put Co be tes (ASS-M) MCF.	211 178 178 178 178 178 178 178 1	NG RECORD 1 ft 1 ft 1 ft TUBING REC DEFTH SET () 8038 ' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBI 0 RHBL. Flow TEST WITNES John E	S. ORD (D) T SQUET T SQUET T SQUET STATUS (D) STATUS (I) STATUS (I) OIL GRA SSED BT ASLEY	NO AMOUNT PULL PACKER SET (1) EZE, ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in AS-OIL RATIO 0 VITY-API (CORR 0
26. TYPE ELECTRIC AN Ind. Gamma 23. CASINO SIZE 9 5/8" 7" 4 1/2" 29. 81ZE 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33.• DATE FIRST PRODUCTIO 9-22-85 DATE OF TEST 10-2-85 YLOW. TUBING PRESS. 1559 SI 34. DISPOSITION OF GAS Shut in to be 35. LIBT OF ATTACHME Temp Surveys	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) AND (Interval, ALZ) 7893, 7934, 7893, 7996, 3025, 8030, N PRODUC Flow HOURS TESTED SI 7 Days CASING PRESSURE 1559 SI (Sold, used for f © Sold ENTS	Comp. Densi CASI CASI FT. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) c and number) 7938, 7942 8000, 8004 8035, 8040 ction METHOD (FI Wing - Ca) CHOKE SIZE	NG RECORD (R (MD) 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' </td <td>eport all strings 2 1/4" 2 1/4" 8 3/4" 6 1/4" SCREEN (M) 32. DEPTH (NT 7847-8 ODUCTION pumping—eize of Comm. HC tected. OIL—BBL. 0 GAS=-3 N</td> <td>and type of pu (100 -</td> <td>MENTIO 42 CL 30 CL 94 CL 94 CL 2'' 17. FRA 178 178 178 178 178 178 178 178 178 178</td> <td>NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT</td> <td>S. URD URD ID OF MA O SAN true STATUB Coll GRA SSED BT asley D F(C)</td> <td>NO AMOUNT PULL PACKER SET () EZE. ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in as-oil RATIO 0 VITY-API (CORR 0</td>	eport all strings 2 1/4" 2 1/4" 8 3/4" 6 1/4" SCREEN (M) 32. DEPTH (NT 7847-8 ODUCTION pumping—eize of Comm. HC tected. OIL—BBL. 0 GAS=-3 N	and type of pu (100 -	MENTIO 42 CL 30 CL 94 CL 94 CL 2'' 17. FRA 178 178 178 178 178 178 178 178 178 178	NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT	S. URD URD ID OF MA O SAN true STATUB Coll GRA SSED BT asley D F(C)	NO AMOUNT PULL PACKER SET () EZE. ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in as-oil RATIO 0 VITY-API (CORR 0
26. TYPE ELECTRIC AN Ind. Gamma 23. 24. 9 5/8" 7" 4 1/2" 29. 812E 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33.• 0.4TE FIRST PRODUCTIO 9-22-85 0.4TE OF TEST 10-2-85 10.0 - 2-85 10.5 SI 1559 SI 15. LIST OF ATTACHME Temp Surveys	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) AND (Interval, ALZ) 7893, 7934, 7893, 7996, 3025, 8030, N PRODUC Flow HOURS TESTED SI 7 Days CASING PRESSURE 1559 SI (Sold, used for f © Sold ENTS	Comp. Densi CASI CASI FT. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) c and number) , 7938, 7942 , 8000, 8004 , 8035, 8040 CTION METHOD (FI Wing - Ca) CHOKE SIZE	NG RECORD (R (MD) 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' </td <td>eport all strings 2 1/4" 2 1/4" 8 3/4" 6 1/4" SCREEN (M) 32. DEPTH (NT 7847-8 ODUCTION pumping—eize of Comm. HC tected. OIL—BBL. 0 GAS=-3 N</td> <td>and type of pu (100 -</td> <td>MENTIO 42 CL 30 CL 94 CL 94 CL 2'' 17. FRA 178 178 178 178 178 178 178 178 178 178</td> <td>NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT</td> <td>S. URD URD ID OF MA O SAN true STATUB Coll GRA SSED BT asley D F(C)</td> <td>NO AMOUNT PULL PACKER SET (1) EZE, ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in AS-OIL RATIO 0 VITY-API (CORR 0</td>	eport all strings 2 1/4" 2 1/4" 8 3/4" 6 1/4" SCREEN (M) 32. DEPTH (NT 7847-8 ODUCTION pumping—eize of Comm. HC tected. OIL—BBL. 0 GAS=-3 N	and type of pu (100 -	MENTIO 42 CL 30 CL 94 CL 94 CL 2'' 17. FRA 178 178 178 178 178 178 178 178 178 178	NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT	S. URD URD ID OF MA O SAN true STATUB Coll GRA SSED BT asley D F(C)	NO AMOUNT PULL PACKER SET (1) EZE, ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in AS-OIL RATIO 0 VITY-API (CORR 0
26. TYPE ELECTRIC AN Ind. Gamma 23. CASINO SIZE 9 5/8" 7" 4 1/2" 29. SIZE 31. PERFORATION RECO 7847, 7852, 7 7950, 7979, 7 8011, 8020, 8 33.* DATE FIRST PRODUCTIO 9-22-85 DATE OF TEST 10-2-85 FLOW. TUBING PRESS. 1559 SI 34. DISPOSITION OF GAS Shut in to be 35. LIBT OF ATTACHME	ND OTHER LOGS R -Ray Log; WEIGHT. LB./J 36.0# 20.0# 11.6# TOP (MD) AND (Interval, ALZ) 7893, 7934, 7983, 7996, 3025, 8030, N PRODUC Flow HOURS TESTED SI 7 Days CASING PRESSURE 1559 SI (Sold, used for f © Sold ENTS	Comp. Densi CASI CASI FT. DEPTH SET 226 4001 8076 LINER RECORD BOTTOM (MD) c and number) , 7938, 7942 , 8000, 8004 , 8035, 8040 CTION METHOD (FI Wing - Ca) CHOKE SIZE	NG RECORD (R (MD) 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' 1 5' </td <td>eport all strings 10.E SIZE 2 1/4" 8 3/4" 6 1/4" SCREEN (M) <t< td=""><td>and type of pu (100 -</td><td>211 178 178 178 178 178 178 178 1</td><td>NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT</td><td>S. ORD ORD T SQUED T SQUED</td><td>NO AMOUNT PULL PACKER SET (1) EZE, ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in AS-OIL RATIO 0 VITY-API (CORR 0</td></t<></td>	eport all strings 10.E SIZE 2 1/4" 8 3/4" 6 1/4" SCREEN (M) <t< td=""><td>and type of pu (100 -</td><td>211 178 178 178 178 178 178 178 1</td><td>NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT</td><td>S. ORD ORD T SQUED T SQUED</td><td>NO AMOUNT PULL PACKER SET (1) EZE, ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in AS-OIL RATIO 0 VITY-API (CORR 0</td></t<>	and type of pu (100 -	211 178 178 178 178 178 178 178 1	NG RECORD 1 ft 1 ft 1 ft TUBING RECO DEPTH SET (S 8038' CTURE. CEMEN AMOUNT AND KIN ,000# 20/4 WATER-BBD 0 RHBL. Flow TEST WITNES ACCEPT	S. ORD ORD T SQUED T SQUED	NO AMOUNT PULL PACKER SET (1) EZE, ETC. ITERIAL USED d&112,444 eated wat (Producing or hut in AS-OIL RATIO 0 VITY-API (CORR 0

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		UNITED S		~~	SUBMIT IN DL TE* See other in- structions on		FOR APPROVED MB NO. 1004-0137
					reverse side)		res: December 31, 1991 GNATION AND SERIAL NO.
		BUREAU OF LAND				SE-079	5194
WELL COMP	ويتكرو والمركب والخبي المتخصير أعرب		TION REP		LOG*	6. JF INDIAN, AL	LOTTEE OR TRIBE NAME
1a. TYPE OF WELL:	SIL WELL	WELL X	DRY Other	2.527		7 (15)17 10000	
D TYPE OF COMPLE			_		العام السادي والوالي. الافاد ما الد المروالي والوالي		an 28-5 Unit
NEW WELL	OVER DEEP	BACK		· · · · ·		8. FARM OR LE	ASE NAME, WELL NO.
2. NAME OF OPERAT						San Jua	an 28-5 Unit #63E
-		OIL & GAS COMPA	NY			30-039-	
3. ADDRESS AND TE	LEPHONE NO. 89, Farmington, NM	187400 (505) 2	26-9700			1	POOL, OR WILDCAT
	LL (Report location cle	any and in accordance		urements)*			Canyon Gallup
At surface	1685'FSL, 162	5'FEL				OR AREA	
At top prod. interval	reported below						
At total depth						Sec. 20), T-28-N, R-5-W
		114	PERMIT NO.	DATE ISSUE	<u> </u>	12. COUNTY O	R 13. STATE
					-	PARISH	
15 DATE SPUDDED	16. DATE T.D. REACHE		PL. (Ready to prod.)	<u> </u>	18. ELEVATIONS (DF, F	Rio Arr	
8-23-85	9-1-85	2-8-00	100 JE 100 TE		67 76' G R		
20. TOTAL DEPTH, MD (IIVD 21. PLUG.	BACK T.D., MD &TVD	22. IF MULTIPLE CO HOW M		23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8076'		P @ 7785' PLETION-TOP, BOTTOM,			<u> </u>	0-8076	DIRECTIONAL
		LEHON-TOP, BOTTOM,		J) ⁻			IVEY MADE
6485-7680' Gall						27. WAS WELL C	ORED
CBL-CCL-GR	·					No	
28. CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	-	s set in well) MENT. CEMENTING REC	ORD	AMOUNT PULLED
9 5/8	36#	226	12 1/4	142 cu.ft.	······		
7 4 1/2	20#	4001 8076	8 3/4 6 1/4	330 cu.ft.			
		RECORD		30.			
29. SIZE TOP (N			SCREEN (MD)	SIZE	DEPTH SET		PACKER SET (MD)
							PACKER SET (MD)
				2 3/8	7726'	CIBP (@ 7785'
31 PERFORATION REC	CORD (Interval, size and i	numper)	32.		7726' ID. SHOT. FRACTURE		@ 7785'
6485, 6488, 6491, 6494	, 6497, 6500, 6772 , 67	75, 6781, 6784, 6841,	CEPTH INT		ID. SHOT, FRACTURE	E. CEMENT SQUE	@ 7785' EEZE, ETC. F MATERIAL USED
	6, 6497, 6500, 6772, 67 6, 6922, 6925, 6928, 69	75, 6781, 6784, 6841, 31, 6934, 7364, 7366,		AC	ID. SHOT. FRACTURE	E. CEMENT SQUI DUNT AND KIND O K gel, 83.000# 2	@ 7785' EEZE, ETC.
6485, 6488, 6491, 6494 6844, 6847, 6850, 6853	9, 6497, 6500, 6772, 67 9, 6922, 6925, 6928, 69 9, 7376, 7378, 7380, 73	75, 6781, 6784, 6841, 31, 6934, 7364, 7366, 82, 7384, 7450, 7452,	CEPTH INTE 6485-6934	AC	ID. SHOT. FRACTURI AMI 1118 bbl 25# x-lini 919 bbl 25# x-link	E. CEMENT SQUI DUNT AND KIND O (gel, 83.000# 2 gel, 60.000# 20	@ 7785' EEZE, ETC. F MATERIAL USED 20/40 tempered LC sd
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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	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	0	2.34	91.71	4.29	0.76	0.23	0.15	0.11	0.05	0	0.25		 0	0.621
0	0	1.49	95.1	2.61	0.34	0.1	0.06	0.05		0	0.12		 0	0.592
0	0	2 44	83.58	8.25	3.34	0.66	0.95	0.23	0.15	0	1	0	 0	0.687

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Page No.: 4 Print Time: Wed Aug 02 10:56:01 2000 Property ID: 1645 Property Name: SAN JUAN 28-5 UNIT | 63E | 54330A Table Name: R:\RESERVES\GDPNOS\TEST.DBF

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--DATE-- ---CUM_GAS-- M_FWHP- M_FBHP- M_SIWHP M_SIBHP C_FWHP- C_FBHP- C_SIWHP C_

11/18/87	0	0.0	0.0	2564.0	0.0	0.0	0.0	0.0
12/18/87	82389	357.0	0.0	855.0	0.0	0.0	0.0	0.0
10/04/88	100522	373.0	0.0	962.0	0.0	0.0	0.0	0.0
05/09/90	130141	380.0	0.0	952.0	0.0	0.0	0.0	0.0
05/28/92	170298	388.0	0.0	835.0	0.0	0.0	0.0	0.0

											505.4	
Form 3160-4					STATES			SUBMIT	(See at Ar In-			PPROVED 0. 1004-0137
		D	EPAR				OR		structions on reverse side)		Expines: De	
		-			ND MANAG							NAND SERIAL NO.
	٩										SF-080516A	
1a. TYPE OF WELL		- 0		GAS V		REP	ORT ANI	DLO	G* <u>cq</u> ∤	14 1		
5 TYPE OF COM			en []	well 🖸	-~' L_				070	7. UN		IAME
b. TYPE OF COMI	_	_	EB- 🛄	PLUG	CIFF. 🔽	7.			0/0	6. FAI	San Upan 28-	5 Uppha ME, WELL NO.
WEL			∾ ∟	васк [PESVR	Other					San Juan 28-	5 Unit #54E
2. NAME OF OPE	RATOR										WELL NO.	
		RESOURCE	S OIL 8	GAS CON	IPANY					40.5	30-039-23813	
3. ADDRESS AND		HONE NO. Farmington,	NM 874	199 (5f)5) 326-97	00					ELD AND POOL	anyon Gal/Basin DK
4. LOCATION OF	WELL (Report location	clearly a				uirements)*					BLOCK AND SURVEY
At surface	1	190'FNL, 14	95'FWL							C	R AREA	
At top prod. inte	rval rep	orted below										
At total depth											Sec. 20, T-28	I-N, R-5-W
				ſ	14. PERMIT N	10.	DATE ISSUE	D			OUNTY OR	13. STATE
											PARISH Rio Arriba	New Mexico
15. DATE SPUDDED	16.	DATE T.D. REA	CHED	17. DATE	CMPL (Ready	to prod.)	<u> </u>	18. ELE	VATIONS (DF. R	1. K8, RT, I		19. ELEV. CASINGHEAD
9-1-85		9-10-85			2-98	7101 5 0	0.40	-	6644 GR		Y TOOLS	0487570010
20. TOTAL DEPTH, 1 7961				·	D 22. IF MUI	HOWN			ILLED BY	10-796		CABLE TOOLS
24. PRODUCTION IN	TERVA		BP @ 7		OM. NAME (MD					10-190	25. WAS DIREC	TIONAL
6912-7333 G	-										SURVEY M	ADE
26. TYPE ELECTRIC None	AND OT	THER LOGS RU	N							27. WA	S WELL CORED	
28.					CASING R	ECORD	(Report all string	ys set in v	ve#)			
CASING SIZE/GRA	DE	WEIGHT, LB./F		225		SIZE	TOP OF CE 148 cu.ft.	MENT, CI	MENTING RECO	DRD	A	MOUNT PULLED
7		20#		3856		3/4	325 cu.ft.					
4 1/2		11.6#		7961	6	1/4	639 cu.ft.					······
29.		LINE	RRECO	RD			130.			Ťi	JBING RECORD)
	P (MD)	BOTTOM (N		SACKS CEMEN	IT* SCREE	N (MD)	SIZE		DEPTH SET			ACKER SET (MD)
		Į					1 1/2		7328		CIBP @ 738	0
31 PERFORATION	RECOR) (Interval, size a	nd numbe	r)	32	<u>مانى بېسىمە</u>	A	CID. SHO	T. FRACTURE	CEME	NT SQUEEZE.	ETC.
6912-7333					DE	PTH INT	ERVAL (MD)	T			D KIND OF MATE	
					6912-73	333	• • • • •	4900	gal 70Q foam	, 200,0	00# 20/40 Br	ady sd
								+				
								1				
33. DATE FIRST PRODUC	CTION	मप		N METHOD (F	iowing: gas lift, j		RODUCTION size and type of pl	ump)			WELL STATUS	Producing or shut-in)
5-12-98			- 100		Flowing						SI	
DATE OF TEST		HOURS TESTED		OKE SIZE	PROD'N FOR		BBL	GAS-	MCF	WAT	er-BBL	GAS-OIL RATIO
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United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Gas Analysis Informatio	in			-0	×	
Name C	AN JUAN 20-5 UNI	T 54E GL				
Analysis Name						
Analysis:	1	N 🛛 🗖		1:1		
Analysis	Charles and the state		MOL Fraction	MOL Count		
Effective Date	4/18/2000	Hydrogen (H2)	0.00000	0.0000		
and the second second		Helium (He)	0.00000	0.0000		
Sample Date	4/01/2000	Nitrogen (N2)	0.00521	0.0000		
Pressure Base BTU	14.7300	Carbon Dioxide (CD2)	0.01430	0.0000		
Wet/Dry	Dry 💌	Hydrogen Sulphide (H2S)	0.00000	0.0000		
BTU [1.14900000	Methane (C1)	0.86618	0.0000		
Specific Gravity	0.670	Ethane (C2)	0.07280	0.0000		
Calculation Type		Propane (C3)	0.02157	0.0000		
C Enter Percentages		Isobutane (IB4)	0.00281	0.0000		
C Enter <u>G</u> PM		Butane	0.00330	0.0000		
		Isopentane (IP5)	0.00270	0.0000		
_	<u>R</u> elated To	Pentane (P5)	0.00232	0.0000		
		Hexane (C6)	0.00000	0.0000		
		Heptane (C7)	0.00000	0.0000		
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STATE OF NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

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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. CASE NO. 10663 Order No. R-9893 Page -3-

(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.

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. LEM Director

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 \checkmark 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**

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