

DATE IN 4/11/00	SUSPENSE 5/1/00	ENGINEER DC	LOGGED KV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2726

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]

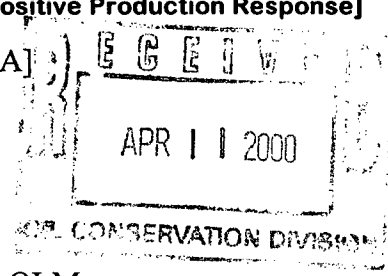
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[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

Print or Type Name

Signature

Regulatory/Compliance Administrator

Title

Date

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
___ YES ___ NO

Burlington Resources Oil and Gas P.O. Box 4289 Farmington, NM 87499

Operator Address
Grenier B #5E I-06-29N-10W San Juan

Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18532 API NO. 30-039-XXXXX Federal x , State , Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Otero Chacra - 82329		Blanco Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	Will be supplied on 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. 388 psi (see attachment)		a. 389 psi (see attachment)
	(Original) b. 1193 psi (see attachment)		b. 1172 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1150		BTU 1250
7. Producing or Shut-In?	Shut-In		Shut In
Production Marginal? (yes or no)	No		No
* 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 * If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: Rates: mcf/d		Date: N/A Rates:
	Date: Rates:		Date: Rates: mcf/d bopd
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		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 ___ X ___ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___ X ___ Yes ___ No
11. Will cross-flow occur? ___ X ___ 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. ___ X ___ Yes ___ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? ___ X ___ Yes ___ No
13. Will the value of production be decreased by commingling? ___ Yes ___ X ___ 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. ___ X ___ Yes ___ No
15. NMOC 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 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 Ralph Nelms TITLE SR. Reservoir Engineer DATE 04-07-00

TYPE OR PRINT NAME Ralph Nelms TELEPHONE NO. (505) 326-9700

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 87505-6429Form C-107-A
New 3-12-96**APPROVAL PROCESS :**☐ Administrative ☐ Hearing**APPLICATION FOR DOWNHOLE COMMINGLING****EXISTING WELLBORE**☐ YES ☒ NO**Burlington Resources Oil and Gas****P.O. Box 4289 Farmington, NM 87499**

Operator

Grenier B**#5E**

Address

I-06-29N-10W**San Juan**

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18532 API NO. 30-039-XXXX Federal ☒ State ☐ Fee ☐

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10. Are all working, overriding, and royalty interests identical in all commingled zones? ☐ Yes ☒ No
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-----nco-----

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

SIGNATURE Ralph Nelms TITLE SR. Reservoir Engineer DATE 04-07-00TYPE OR PRINT NAME Ralph Nelms TELEPHONE NO. (505) 326-9700

Grenier B #5E

Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde	Chacra																																																
<u>MV-Current</u>	<u>CH-Current</u>																																																
<table><tr><td>GAS GRAVITY</td><td>0.714</td></tr><tr><td>COND. OR MISC. (C/M)</td><td>C</td></tr><tr><td>%N2</td><td>0</td></tr><tr><td>%CO2</td><td>0.01</td></tr><tr><td>%H2S</td><td>0</td></tr><tr><td>DIAMETER (IN)</td><td>1.5</td></tr><tr><td>DEPTH (FT)</td><td>4672</td></tr><tr><td>SURFACE TEMPERATURE (DEG F)</td><td>60</td></tr><tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td>150</td></tr><tr><td>FLOWRATE (MCFPD)</td><td>0</td></tr><tr><td>SURFACE PRESSURE (PSIA)</td><td>346</td></tr><tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td>389.4</td></tr></table>	GAS GRAVITY	0.714	COND. OR MISC. (C/M)	C	%N2	0	%CO2	0.01	%H2S	0	DIAMETER (IN)	1.5	DEPTH (FT)	4672	SURFACE TEMPERATURE (DEG F)	60	BOTTOMHOLE TEMPERATURE (DEG F)	150	FLOWRATE (MCFPD)	0	SURFACE PRESSURE (PSIA)	346	BOTTOMHOLE PRESSURE (PSIA)	389.4	<table><tr><td>GAS GRAVITY</td><td>0.687</td></tr><tr><td>COND. OR MISC. (C/M)</td><td>C</td></tr><tr><td>%N2</td><td>0.01</td></tr><tr><td>%CO2</td><td>0</td></tr><tr><td>%H2S</td><td>0</td></tr><tr><td>DIAMETER (IN)</td><td>2</td></tr><tr><td>DEPTH (FT)</td><td>3216</td></tr><tr><td>SURFACE TEMPERATURE (DEG F)</td><td>60</td></tr><tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td>140</td></tr><tr><td>FLOWRATE (MCFPD)</td><td>0</td></tr><tr><td>SURFACE PRESSURE (PSIA)</td><td>359</td></tr><tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td>388.4</td></tr></table>	GAS GRAVITY	0.687	COND. OR MISC. (C/M)	C	%N2	0.01	%CO2	0	%H2S	0	DIAMETER (IN)	2	DEPTH (FT)	3216	SURFACE TEMPERATURE (DEG F)	60	BOTTOMHOLE TEMPERATURE (DEG F)	140	FLOWRATE (MCFPD)	0	SURFACE PRESSURE (PSIA)	359	BOTTOMHOLE PRESSURE (PSIA)	388.4
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Entity Production with Tests
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 ***** 03/27/2000 09:42:23 ***** PAGE 1

NEW MEXICO - Updated through ,

Entity : ~~LUDWICK LS~~ (22398-4508700723)
 Product : GAS
 Operator : CONOCO INCORPORATED (P007294)
 Field : BLANCO (P30005900) Start : 11/1956
 Reservoir : MESAVERDE (30625) Stop : 11/1999
 Zone : MESAVERDE (604MVRD) Status : ACTIVE
 Basin : SAN JUAN BASIN (580) #Wells : 1
 Meridian : 23 (23)
 St/Cty/Area: NEW MEXICO/SAN JUAN/AZTEC
 Location : Twp: 29.0N Rge: 10.0W Sec: 6.0 Spot: H
 L&L Source : GITI Lat: 36.75215 Long: -107.91975
 GVT ID : 30045087000000 Well Nbr: ~~014~~

Well Information

=====

GVT ID	Well Number	Total Depth	Upper Perf	Lower Perf	BHP	Type	Tax Dir	Credit
30045087000000	014	4810	4534	4672	1176			

Test Information

=====

Well Number	Test Date	Upper Perf	Lower Perf	Gas MCFD	Liq	Wtr	%BSW	SITP	FTP	CLP	BHP	Z	Gas Grav Mt
014	11/06/56	4534	4672	3147	0	0		1025					1384
014	10/19/81			7	0	0		346	296				425

Production Information

=====

Primary Product: GAS

Year	Gas (MCF)	Liq (BBL)	Wtr ()	Allow ()	Days on	Active Wells	Gas Trans	Liq Trans
1970 CUM	164919	128	0					
JAN	611	0	0	0	0	1		
FEB	590	0	0	0	0	1		
MAR	727	0	0	0	0	1		
APR	515	0	0	0	0	1		
MAY	825	0	0	0	0	1		
JUN	678	0	0	0	0	1		
JUL	949	0	0	0	0	1		
AUG	964	0	0	0	0	1		
SEP	852	0	0	0	0	1		
OCT	1060	0	0	0	0	1		
NOV	949	0	0	0	0	1		
DEC	614	0	0	0	0	1		
ANN	9334	0	0					

Entity Production with Tests
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 ***** 03/27/2000 09:42:23 ***** PAGE 2

Year	Gas (MCF)	Liq ()	Wtr ()	Allow ()	Days on	Active Wells	Gas Trans	Liq Trans
1971 CUM	174253	0	0					
JAN	1351	0	0	0	0	1		

Entity Production with Tests

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***** 03/27/2000 09:54:04 ***** PAGE 1

NEW MEXICO - Updated through ,

=====

Entity	: HUBBELL (21262-4521454823)	
Product	: GAS	
Operator	: TAURUS EXPLORATION USA INCORPORATED (P094687)	
Field	: OTERO (P30041000)	Start : 11/1974
Reservoir	: CHACRA (30601)	Stop : 11/1999
Zone	: CHACRA (604CHCR)	Status : ACTIVE
Basin	: SAN JUAN BASIN (580)	#Wells : 1
Meridian	: 23 (23)	
St/Cty/Area:	NEW MEXICO/SAN JUAN/AZTEC	
Location	: Twp: 29.0N Rge: 10.0W Sec: 7.0 Spot: L	
L&L Source	: GITI Lat: 36.73695 Long: -107.93050	
GVT ID	: 30045214540000 Well Nbr: 004	

Well Information

=====

GVT ID	Well Number	Total Depth	Upper Perf	Lower Perf	BHP	Type	Tax Dir	Credit
30045214540000	004	3266	3200	3216	1210			

Test Information

=====

Well Number	Test Date	Upper Perf	Lower Perf	Gas MCFD	Liq	Wtr	***** Pressures *****	Gas Grav Mt
							%BSW SITP FTP CLP BHP/Z	
004	06/05/74	3200	3216	1146	0	0	1091 123 1472	
004	05/09/77			63	0	0	359 112 429	

Production Information

=====

Primary Product: GAS

Year	Gas (MCF)	Liq ()	Wtr ()	Allow ()	Days on	Active Wells	Gas Trans	Liq Trans
1974 CUM	0	0	0					
JAN	0	0	0	0	0	0		
FEB	0	0	0	0	0	0		
MAR	0	0	0	0	0	0		
APR	0	0	0	0	0	0		
MAY	0	0	0	0	0	0		
JUN	0	0	0	0	0	0		
JUL	0	0	0	0	0	0		
AUG	0	0	0	0	0	0		
SEP	0	0	0	0	0	0		
OCT	0	0	0	0	0	0		
NOV	8977	0	0	0	0	1		
DEC	4582	0	0	0	0	1		
ANN	13559	0	0					

Entity Production with Tests

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***** 03/27/2000 09:54:04 ***** PAGE 2

Year	Gas (MCF)	Liq ()	Wtr ()	Allow ()	Days on	Active Wells	Gas Trans	Liq Trans
1975 CUM	13559	0	0					
JAN	4674	0	0	0	0	1		

BARBARA BERNSTEIN
1 E SCHILLER ST APT 3-D
CHICAGO, IL 60610

BETTY ANN MOORE ADMIN
LOUIS TROST KIMPLE ESTATE
1025 NW GRAND AVE
PHOENIX, AZ 85007

BETTY T JOHNSTON/LYLE E
CARBAUGH/PAUL M HARDWICK
CO-TRUSTEES
BETTY T JOHNSTON MARITAL TRUST
2425 FOUNTAINVIEW #310

BETTY WOLFE HAGERMAN
ANCILLARY PERSONAL REP OF THE
ESTATE OF LENORE L WOLFE DEC
3419 WESTMINSTER AVE STE 230
DALLAS, TX 752051387

BEVERLY WHITELEY
1912 USA DR
PLANO, TX 750253105

BRADFORD L KIMPLE
C/O SCOTT C KIMPLE
THE WARRINGTON NO 24C
3831 TURTLE CREEK BLVD
DALLAS, TX 75219

BURLINGTON RESO O&G CO-SJBT
COMPANY
801 CHERRY ST
FT WORTH, TX 76102

BURLINGTON RESOURCES O&G CO
801 CHERRY ST
FORT WORTH, TX 76102

CAROL A ZAHARA
1519 CHARDONAY PL
WEST BANK V4T 2P9, BC

CHASE OIL CORPORATION
PO BOX 1767
ARTESIA, NM 882111767

CLAUDIA MARCIA LUNDELL GILMER
30 GOLDEN PL
THE WOODLANDS, TX 77381

CYNTHIA H SCOFIELD
1610 POTOMAC DR
HOUSTON, TX 77057

D MARTIN PHILLIPS AND LIANE M
PHILLIPS
C/O ENCAP INVESTMENTS LC AGENT
1100 LOUISIANA STE 3150
HOUSTON, TX 77002

D R ZACHRY TEST TRUST
510 DELLWOOD DRIVE
MOUNT PLEASANT, TX 75455

DORIS WALDMAN
9203 CRESTVIEW DR
INDIANAPOLIS, IN 462401213

DRY CREEK RESERVE COMPANY
8013 S ADAMS WAY
LITTLETON, CO 80122

E C FIEDOREK TRUSTEE
E C FIEDOREK DEFINED BENEFIT PLAN
5407 CREEK ARBOR CT
DALLAS, TX 752877504

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