:	•						
DATE N 3/21	100	SUSPENSE 4/10/04) ENGINEER L	sc	LOGGI	. <i>W</i>	me DHC
1	/			INE FOR DIVISI	ON USE ONLY		
		NEW MEX	KICO OIL C - Engir	CONSE neering Bu	RVATIO	N DIVISION	2704
		ADMINISTR	ATIVE AI	PPLIC	ATION	COVERS	HEET
					NS FOR EXCER		NILES AND REGULATIONS
	13 COVERSILE						
Application	Acronyms	S: FNCD Non Chand	and Dranation	11	NGL Non	Standard Lagat	vianl
ſ	DHC-Dow (PC-Pc	[NOI-Otirecti [DD-Directi nhole Commingling] ool Commingling] [WFX-Waterflood E [SWD-Salt Wa lified Enhanced Oil	onal Drilling]] [CTB-Lea [OLS - Off-Le xpansion] [ter Disposal] Recovery Ce	[SD-Si se Comn ase Stor PMX-Pre [IPI-In rtificatio	multaneou ningling] age] [Ol sssure Mai jection Pre n] [PPR-	IS Dedication] [PLC-Pool/Lea LM-Off-Lease M ntenance Expansion ssure Increase Positive Produ	se Commingling] leasurement] nsion] e] ction Response]
[1] TV	PE OF A	PPLICATION .	Check Those	Which	Apply for		
	[A]	Location - Space NSL NSP	ng Unit - Di DD	rectional SD	l Drilling	14 1 15 15 15 15 15 15 15 15 15 15 15 15 1	AR 2 1 2000
	Checl	COne Only for IB	and [C]				
	[B]	Commingling -	Storage - Me	asureme	ent	ANAL CONS	SERVATION DIVISITA
	[] /	Odhc ctb	PLC	PC	OLS	OLM	n an
	[C]	Injection - Dispo WFX PMX	osal - Pressur SWD	e Increa IPI	se - Enha EOR	nced Oil Recov PPR	very
[2] NO	TIFICA	FION REOUIRE	D TO: - Che	ck Thos	e Which /	Apply, or Doe	s Not Apply
[-]	[A]	Working, Roya	ty or Overrie	ding Roy	valty Inter	est Owners	
	[B]	Offset Operator	s, Leasehold	ers or Su	urface Ow	ner	

[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,
- Waivers are Attached [F]

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

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	Apages ale	Regulatory/Compliance
Print or Type Name	Signature	Title

e Administrator

Tier Streich Dr., Hobbs, NM 88240 DISTRICT II 811 South First St., Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410 DISTRICT IV 2040 S. Pacheco, Santa Fe, NM 87505

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 Revised August 1999 APPROVAL PROCESS: _X_Administrative ___Hearing EXISTING WELLBORE _X_YES ___NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas

^{Operator} Decker	4 Addre	•• 0-32N-12W	San Juan					
Lease	Well No. Unit Ltr.	- Sec - Twp - Rge Sp	County acing Unit Lease Types: (check 1 or more)					
OGRID NO. <u>14538</u> Property Code	API_NO30	-045-20483 Federa	I_X_ , State, (and/or) Fee _X					
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate	Lower Zone					
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599					
2. Top and Bottom of Pay Section (Perforations)	4760-4868		7038-7132					
3. Type of production (Oil or Gas)	Gas		Gas					
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing					
5. Bottomhole Pressure	a. ^(Current) 402 psi (see attachment)	a.	a. ^{1104 psi (see} attachment)					
Gas & Oil - Flowing: Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Original) 1138 psi (see attachment)	b.	b. ^{1845 psi} (^{see} attachment)					
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1205		BTU 1191					
7. Producing or Shut-In?	Producing		Producing					
	Yes		Yes					
Production Marginal? (yes or no)	Date:	Date:	Date: Bates:					
* If Shut-In, give date and oil/gas/ water rates of last production	1000	14400.						
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: 1/31/00	Date:	Date: 1/31/00					
 If Producing, give date andoil/gas/ water rates of recent test (within 60 days) 	Rates: 77 mcfd	Rates:	Rates: 13 mcfd					
 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 usubmit attachments with supp	upon something other than cur porting data and/or explaining n	rent or past production, or is ba nethod and providing rate proje	ased upon some other method, ctions or other required data.					
10. Are all working, overriding, and	d royalty interests identical in al	l commingled zones?	X Yes _ No					
11. Will cross-flow occur? _X_Y flowed production be recover	es No If yes, are fluids c	compatible, will the formations r ula be reliableX_YesN	not be damaged, will any cross- lo (If No, attach explanation)					
12. Are all produced fluids from all	commingled zones compatible	e with each other? X Ye	sNo					
13. Will the value of production be	decreased by commingling?	Yes _X_ No (If Yes,	attach explanation)					
14. If this well is on, or communitiz United States Bureau of Land	zed with, state or federal lands, Management has been notified	either the Commissioner of Pul in writing of this applicationX	olic Lands or the _Yes No					
15. NMOCD Reference Cases for I	Rule 303(D) Exceptions: C	DRDER 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. * Any additional statements, data, or documents required to support commingling. 								
I hereby certify that the information	n above is true and complete to	the best of my knowledge and	belief.					
SIGNATURE from from from ha			DATE 3/14/00					
TYPE OR PRINT NAME	ifer Dobson		.(_505_)326-9700					

MEXIC	OOLC	CONSERV	ATION O	COMMI
OCAT	ION AN	DACREA	GE DED	CATION

Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT All distances must be from the outer boundaries of the Section.									
AZTEC OIL & Unit Letter Sect	GAS COMPANY	Range	Decker Count	y Y	Well No,				
Actual Footage Location	10 32 N	orth 1	2 West	San Juan					
990 tee Ground Level Elev:	From the SOUTH Producing Formation	line and 99	U leet from t	he West Dedico	line nied Acreage: 326:68				
1. Outline the ac	reage dedicated to the	he subject well by co	lored pencil or had	hure marks on the pla	at below,				
2. If more than on interest and ro	ne lease is dedicate yalty).	ed to the well, outline	each and identify	the ownership thereo	f (both as to working				
3. If more than on dated by comm	e lease of different o	wnership is dedicated	d to the well, have	the interests of all o	owners been consoli-				
Yes	No If answer is	"ves." type of consoli	idation 004	munitisation					
If answer is " this form if neo	no,' list the owners a essary.)	and tract descriptions	which have actual	y been consolidated.	(Use reverse side of				
No allowable w forced-pooling, sion.	ill be assigned to the or otherwise) or until	well until all interest a non-standard unit, e	s have been conso liminating such int	olidated (by communi erests, has been appr	tization, unitization, oved by the Commis-				
All markers				CER	RTIFICATION				
		CC	LORADO	I hereby certify	that the information con-				
and the second		NE	W MEXICO	best of my know	vledge and belief.				
Lot 4	Lot 3	Lat 2	Lat 5	Nome					
				Position	unionin touriout				
	Sec.	10		Company	Mil and Gaa				
0		Mat Section,		Date	1 24 1080				
290				ATT OF NO	W				
				Choreby certil	ly that the stall location				
				shown on this nates of actual	lat was plotted from field I surveys made by me or				
			- million	under my super	vision, and they the same prrect to the best of my				
		OF	'EIVED	the COED LAT	10 SU				
		MAY	2 1969	Date Surveyed					
MAT D 1000 April 1, 1969 Registered Professional Engineer									
			DIST. 3	Eq C					
and the second				Certificate No. 3	1602				
A Carlos and a construction				<u> </u>					

Decker #4 Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method Version 1.0 1/14/98

Mesaverde	Dakota
MV-Current	<u>DK-Current</u>
GAS GRAVITY0.695COND. OR MISC. (C/M)M%N20.25%CO20.97%H2S0DIAMETER (IN)4.5DEPTH (FT)4814SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)146FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)357BOTTOMHOLE PRESSURE (PSIA)402.1	GAS GRAVITY0.704COND. OR MISC. (C/M)M%N20.20%CO22.13%H2S0DIAMETER (IN)1.5DEPTH (FT)7085SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)186FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)915BOTTOMHOLE PRESSURE (PSIA)1103.7
<u>MV-Original</u>	<u>DK-Original</u>
GAS GRAVITY0.695COND. OR MISC. (C/M)M%N20.25%CO20.97%H2S0DIAMETER (IN)4.5DEPTH (FT)4814SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)146FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)996BOTTOMHOLE PRESSURE (PSIA)1138.3	GAS GRAVITY0.704COND. OR MISC. (C/M)M%N20.20%CO22.13%H2S0DIAMETER (IN)1.5DEPTH (FT)7085SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)186FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)1508BOTTOMHOLE PRESSURE (PSIA)1845.3

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OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT This form is not to be used for reporting packer leakage tests in Southeast New Mexico

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Lower

Completion

Hour, date shut-in

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NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Onerator B		ES OIL & GAS CO.		Lease	DECKER			Well No. 4
								· · · · · · · · · · · · · · · · · · ·
Location	Unit M Sect	10 Twn	032N	Rge	012W	County	SAN JUAN	
	NAME OF	RESERVOIR OR POO	DL	T	YPE OF PROD.	METH	OD OF PROD.	PROD. MEDIUM
					(Oil or Gas)	(Flo	v or Art. Lift)	(Tbg. or Csg.)
Upper Completion	MESAVERDE				Gas		Flow	Tubing
Lower Completion	DAKOTA				Gas	Flow		Tubing
		PRE-I	FLOW SHUT-IN	PRES	SURE DATA			
Upper	Hour, date shut-in	Length of time shut	t-in	SI	press. psig		Stabilized? (Ye	es or No)
Completion	09/17/1999	120 Ho	ours		363			
Lower Completion	09/17/1999	72 Ho	urs		903			
	<u></u>		FLOW TES	ST NO	. 1			
Commenced	l at (hour,date)*	09/20/1999			Zone producing	(Upper or	Lower) LO	WER
TIME	LAPSED TIME	PRE	SSURE		PROD. ZONE			····
(hour,date)	SINCE*	Upper Completion	Lower Comple	etion	ТЕМР		REM	ARKS
9/21/199	96 Hours	362	328			took shut in pressure, turned on D		turned on DK.
9/22/199	120 Hours	120 Hours 362 3				took pressures.		
						took ;	pressures, turne	d on MV.
Production rat	e during test							
Oil:	BOPD based on	Bbls.	in	Hour	s.	Grav.		GOR
								_
Gas:		MCFPD; Tested thru	(Orifice or Meter	r): -				
		MID	-TEST SHUT-IN	PRES	SURE DATA			
Upper	Hour, date shut-in	Length of time shut	t-in	SI	press. psig		Stabilized? (Y	es or No)
Completion							(1	

(Continue on reverse side)

SI press. psig

Stabilized? (Yes or No)

Length of time shut-in

API # 30-045-20483

Page 1 Revised 10/01/78

				and my low	A		-	-				
, DNNO	METERNA	WELLNAWE	VVELLNO	FRM		Year	Ivionth	Day	WH PSI			
1213601	34328	DECKER	4	M∨		1969	5	31	984	original		
						1970	10	25	608			
						1972	10	25	608			
						1973	12	18	453			
						1974	6	2	425			
						1976	7	18	449			
						1980	6	24	558			
						1982	4	1	559			
						1984	8	8	569			
						1986	7	15	570			
						1989	11	15	449			
						1991	5	14	425			
						1991	5	28	490			
						1993	5	20	433			-
					477	2000	3	1	345	current est	imated fron	n P/Z data
1213602	34327	DECKER	4	DK		1969	5	31	1496	original		
										current estimated from 1999		
					238	2000	3	1	903	Packer Lea	akage Test	

	DPNO_	METERNA	WELLNAME	WELLNO	FRM	DISP_MO	GRS_GAS_PROD	3monavg
ľ	1213601	34328	DECKER	4	ΜV	31-Jan-99	39.21	
Ī	1213601	34328	DECKER	4	ΜV	28-Feb-99	119.6	
Į	1213601	34328	DECKER	4	ΜV	31-Mar-99	65.68	
[1213601	34328	DECKER	4	MV	30-Apr-99	33.33	
ſ	1213601	34328	DECKER	4	ΜV	31-May-99	65.68	
	1213601	34328	DECKER	4	ΜV	30-Jun-99	1920.54	
	1213601	34328	DECKER	4	ΜV	31-Jul-99	1931.32	
	1213601	34328	DECKER	4	MV	31-Aug-99	1695.05	
ĺ	1213601	34328	DECKER	4	MV	30-Sep-99	1034.29	
	1213601	34328	DECKER	4	ΜV	31-Oct-99	1417.61	
	1213601	34328	DECKER	4	M∨	30-Nov-99	855.86	
	1213601	34328	DECKER	4	M∨	31-Dec-99	1295.06	
	1213601	34328	DECKER	4	M∨	31-Jan-00	4878.43	77
	1213602	34327	DECKER	4	DK	31-Jan-99	86.27	
	1213602	34327	DECKER	4	DK	28-Feb-99	36.27	
	1213602	34327	DECKER	4	DK	31-Mar-99	36.27	
	1213602	34327	DECKER	4	DK	30-Apr-99	84.31	
	1213602	34327	DECKER	4	DK	31-May-99	100	
	1213602	34327	DECKER	4	DK	30-Jun-99	467.63	
	1213602	34327	DECKER	4	DK	31-Jul-99	361.76	•
	1213602	34327	DECKER	4	DK	31-Aug-99	516.65	
	1213602	34327	DECKER	4	DK	30-Sep-99	548.02	
	1213602	34327	DECKER	4	DK _	31-Oct-99	237.25	
	1213602	34327	DECKER	4	DK	30-Nov-99	378.42	
	1213602	34327	DECKER	4	DK	31-Dec-99	80.39	
	1213602	34327	DECKER	4	DK	31-Jan-00	744.1	13