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			IISTRATIVE	APPLICATIO	ON CHECK	LIST
ፐ⊦	IS CHECKLIST IS M		FOR ALL ADMINISTRATIV	E APPLICATIONS FOR EX SSING AT THE DIVISION L	CEPTIONS TO DIVIS	ION RULES AND REGULATIONS
Applic	ation Acronym: [NSL-Non-Star [DHC-Down [PC-Po [EOR-Qua	s: ndard Loc nhole Con ol Commi (WFX-Wat [SWI lified Enha	ation] [NSP-Non-St nmingling] [CTB-L ngling] [OLS - Off erflood Expansion] D-Salt Water Dispos anced Oll Recovery	andard Proration Ur .ease Commingling] -Lease Storage]   [PMX-Pressure M sal] [IPI-Injection F Certification] [PF	hit] [SD-Simulta [PLC-Pool/Le OLM-Off-Lease I aintenance Exp Pressure Increas PR-Positive Prop	neous Dedication) ase Commingling) Measurement] ansion] se] uction.Rosponse]
[1]	TYPE OF AF [A]	PLICAT Location	ION - Check Those n - Spacing Unit - Sin L . NSP .	Which Apply for [A] multaneous Dedicati SD	] on	FEB 20 2004
	Check [B]	Commin Commin	/ for [B] or [C] ngling - Storage - Me IC [] CTB []	easurement PLC PC	] ols 🗌 c	Oil Conservation Division 1220 S. St. Francis Drive DLM Santa Fe, NM 87505
	[C]	Injection	n - Disposal - Pressu X	re Increase - Enhance SWD [] IPI [	ed Oil Recovery	PPR
	[D]	Other: S	pecify		<u></u>	_
[2]	NOTIFICAT	ION REQ	UIRED TO: - Checorking, Royalty or Ov	ck Those Which App verriding Royalty Int	ly, or Does No erest Owners	ot Apply
	[B]	p 🕅	set Operators, Lease	holders or Surface C	wner	
	[C]	Ap	plication is One Whi	ich Requires Publish	ed Legal Notice	
	[D]		tification and/or Con Bureau of Land Management -	ncurrent Approval by Commissioner of Public Lands,	BLM or SLO State Land Office	
	[E]	For	all of the above, Pro	oof of Notification or	Publication is A	ttached, and/or,
	[F]	🗌 Wa	ivers are Attached			
[3]	SUBMIT AC	CURATE	AND COMPLETI	E INFORMATION E.	REQUIRED TO	O PROCESS THE TYPE

**CERTIFICATION:** I hereby certify that the information submitted with this application for administrative [4] approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

noltmanns@br-inc.com e-mail Address

District<sup>\*</sup>I

162 V. French Drive, Hobbs, NM 88240 District II

811 South First Street, Artesia, NM 88210 District III

Aztec, NM 87410

0 Rio Brazos Road,

District IV

2040 South Pacheco, Santa Fe, NM 87505

#### State of New Mexico Energy, Minerals and Natural Resources Department

### **OIL CONSERVATION DIVISION**

2040 South Pacheco Santa Fe, New Mexico 87505

Form C-107A Revised May 15, 2000

APPLICATION TYPE \_X\_Single Well Establish Pre-Approved Pools EXISTING WELLBORE \_\_\_\_Yes \_X\_\_No

#### **APPLICATION FOR DOWNHOLE COMMINGLING**

BURLINGTON RESOU	RCES OIL & GAS COMPANY	PO BOX 4289, FARMINGTON, NM 87499						
Operator		Address						
HARDIE E	2В	L-9-28N-8W		SAN JUAN				
Lease	Well No.	Unit Letter-Section-Towns	hip-Range	County				
OGRID No. 14538	Property Code 7089	API No. 30-045-31179	Lease Type: X Federal	State Fee				

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE		
Pool Name	OTERO CHACRA	BLANCO MESAVERDE Wo Con	BASIN DAKOTA Ju Son		
Pool Code	82329	<sup>72319</sup> V	(1299		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	WILL BE SUPPLIED UPON COMPLETION	WILL BE SUPPLIED UPON COMPLETION	WILL BE SUPPLIED UPON COMPLETION		
Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING		
Bottomhole Pressure Original – 450 psi   (Note: Pressure data will not be required if the From Hardie E 2C offset   bottom perforation in the lower zone is within 150% (see attachment)		Original – 462 psi From Hardie E 2C offset (see attachment)	Original – 574 psi From Prichard Federal 1M offset (see attachment)		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1195 From Hardie E 2C offset	BTU 1195 From Hardie E 2C offset	BTU 1156 From Prichard Federal 1M offset		
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone		
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history,	Date:	Date:	Date:		
applicant shall be required to attach production estimates and supporting data.)	Rates:	Rates:	Rates:		
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 % % WILL BE SUPPLIED UPON COMPLETION	Oil Gas % % WILL BE SUPPLIED UPON COMPLETION	Oil Gas % % WILL BE 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?	YesNoX YesXNo
Are all produced fluids from all commingled zones compatible with each other?	YesXNo
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:	
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 Kenner	TITLE	Reservoir Engineer	DATE 02/18/04	
nco V				
TYPE OR PRINT NAME Leonard Biemer		TELEPHON	E NO. (505) 326-9700	

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

1 . .

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

#### State of New Mexico Energy, Minerals & Natural Resources Department

**OIL CONSERVATION DIVISION** 

2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised August 15, 2000

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

□ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API		<sup>2</sup> Pool Code			<sup>3</sup> Pool Name						
30-045-		82329/72319/71599 Otero Chacra/Blanco Mesaverde/Basin Dakota							akota		
<sup>4</sup> Property Cod		10000		\$Pm	perty Nome				•₩	* Well Number	
										2B	
/089					10-						
CORID NO.					- upi						Elevation
14538			BU	RLINGTON	N RESOU	RCES OIL	& GAS INC.	•	_	e	5035°
					<sup>10</sup> Sur	face Loco	ation				
UL or lot no.	Section Q	Township 29-N	Range	Lot Idn	Feet from	the Nor	h/South line	Feet from the		East/West fine WEST	County SANI II IANI
		20-14	11 Botto	m Hole		ion If Dif	forent Fr				SAN JUAN
UL or lot no.	Section	Township	Ronge	Lot Idn	Feet from	the Nor	h/South line	Feet	from the	East/West line	County
<sup>12</sup> Dedicated Acres	Cha -	149.29	Joint or In	fui	<sup>14</sup> Consolid	ation Code		<sup>15</sup> Order	No.		
MV-S/293	7.80							ł			
L_DK-333.84	4				[			<u> </u>			
NO ALLOW	ABLE \		SSIGNED			PLETION U	ADDDOVE	INTE PY	RESTS 1	HAVE BEEN C	UNSOLIDATED
						DEEN					
									17	OPERATOR CE	RTIFICATION
							,		I hereby ce	rtify that the information	contained herein
	~								is true and	complete to the best of	f my knowledge and
in *	2								belief.		
5 ÷	ټې								~		
	<u> </u>								Va	and Oft	and a sol
									Signatur	·	- Michie
E E	- Com								Nancy	0 Oltmanns	
D E E									Printed	Name	
山口									Seni	or Staff Spe	ecialist
FT E	0								Title		
									10-2	4-03	
									Date		
									-	. <u>.</u>	
. <b>.</b> .			-						18	SURVEYOR CI	ERTIFICATION
		N 8 1 3	9'48' W						I hereby cert	ify that the well location	shown on this plat
		<b>}</b>							was plotted	TOM THEIR NOLES OF GCLUC	
<u> </u>				32 33		T-29-N			and correct	to the stat Story build	
	T	ICALC'I	COR	FD 2.1	<u> </u>	T28-N		]	and control	IN M	
1		o 🍴 .	T 4 R	BRASS	ÁP				12	12/801	781 1
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<b>1</b>			ю	LAT: 36-40	).4" N.				$  \setminus \rangle$	La Catto	1 ano
(L <sup>1</sup> )		240	75	LONG: 107	41.5' W			į	$ $ $\supset$	Cassion	Myser .
}		FD 2	1/2" U	SED GLO	1				{	\8894	- (
	$\bot$		1916 N	89-56 E			L		Cartificate	Number	

# Hardie E #2B **Bottom Hole Pressures** Flowing and Static BHP **Cullender and Smith Method**

Version 1.0 1/14/98

Chacra	Mesaverde
<u>CH-Current</u>	MV-Current
GAS GRAVITY0COND. OR MISC. (C/M)C%N20%CO20%H2S0DIAMETER (IN)0DEPTH (FT)0SURFACE TEMPERATURE (DEG F)0BOTTOMHOLE TEMPERATURE (DEG F)0FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)0BOTTOMHOLE PRESSURE (PSIA)#DIV/0!	GAS GRAVITY0COND. OR MISC. (C/M)C%N20.00%CO20%H2S0DIAMETER (IN)0DEPTH (FT)0SURFACE TEMPERATURE (DEG F)0BOTTOMHOLE TEMPERATURE (DEG F)0FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)0BOTTOMHOLE PRESSURE (PSIA)#DIV/0!
<u>CH-Original</u>	MV-Original
GAS GRAVITY0.72COND. OR MISC. (C/M)C%N20.0076%CO20.0071%H2S0DIAMETER (IN)4.5DEPTH (FT)3970SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)167FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)407BOTTOMHOLE PRESSURE (PSIA)450.0	GAS GRAVITY0.72COND. OR MISC. (C/M)C%N20.01%CO20.0071%H2S0DIAMETER (IN)4.5DEPTH (FT)4933SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)156FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)407BOTTOMHOLE PRESSURE (PSIA)461.9

## Hardie E #2B Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method

Version 1.0 1/14/98

Dakota	
DK-Current	Current
GAS GRAVITY0COND. OR MISC. (C/M)C%N20%CO20%H2S0DIAMETER (IN)0DEPTH (FT)0SURFACE TEMPERATURE (DEG F)0BOTTOMHOLE TEMPERATURE (DEG F)0FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)0BOTTOMHOLE PRESSURE (PSIA)#DIV/0!	GAS GRAVITY0COND. OR MISC. (C/M)C%N20.00%CO20%H2S0DIAMETER (IN)0DEPTH (FT)0SURFACE TEMPERATURE (DEG F)0BOTTOMHOLE TEMPERATURE (DEG F)0FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)0BOTTOMHOLE PRESSURE (PSIA)#DIV/0!
<u>DK-Original</u>	Original
GAS GRAVITY0.6749COND. OR MISC. (C/M)C%N20.4074%CO21.5081%H2S0DIAMETER (IN)2.375DEPTH (FT)7323SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)181FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)483BOTTOMHOLE PRESSURE (PSIA)573.7	GAS GRAVITY0COND. OR MISC. (C/M)C%N20.00%CO20%H2S0DIAMETER (IN)0DEPTH (FT)0SURFACE TEMPERATURE (DEG F)0BOTTOMHOLE TEMPERATURE (DEG F)0FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)0BOTTOMHOLE PRESSURE (PSIA)#DIV/0!

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Year

