/		
DATE IN	6/9/98	SUSPENSE 6/29/98 ENGINEER DC LOGGED BY M TYPE DAC
	1 1	ABOVE THIS LINE FOR DIVISION USE ONLY
]	NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 2040 South Pacheco, Santa Fe, NM 87505
	A	DMINISTRATIVE APPLICATION COVERSHEET
THI	S COVERSHEET IS I	MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applie	PC-Poo[۲ [۱	ns: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] hole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] I Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] fied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	-	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD SD JUN - 9 1998
	Check [B]	Cone Only for [B] or [C] Oil CONSERVATION DIVISION Commingling - Storage - Measurement Oil CONSERVATION DIVISION OHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
[2]	NOTIFICAT [A] [B]	 TION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D] [E] [F]	 Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

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. <u>I understand that any omission of data</u> (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

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

	Jonan S	haa hued ta alm	6-8-98
Print or Type Name	Signature	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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A New 3-12-96 APPROVAL PROCESS : X Administrative **EXISTING WELLBORE**

No No

X YES NO

BURLINGTON RESOURCES OIL & GAS COMPANY	PO Bo	x 4289, Farmington, NM 87499	
Operator	the state of the second second	Address	
JICARILLA 150	7M	O, Sec. 11, T26N, R05W	Rio Arriba
Lease	Well No.	Unit Ltr Sec - Twp - Rge	County

OGRID NO. 14538

Property Code <u>16344</u> API NO. <u>30-039-22058</u> Federal X , State _____, (and/or) Fee _

Spacing Unit Lease Types: (check 1 or more)

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesa Verde - 73219	naan aha ka	Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5809' - 6171'		8034' - 8186'
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	(Current) a. 495.1 Psia @ 5990'	а.	a. 633.7 Psia @ 8110'
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 914.9 Psia @ 5990'	b.	b. 2664.7 Psia @ 8110'
6. Oil Gravity ([°] API) or Gas BTU Content			
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	No		Yes
* 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	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 05/07/98 Rates: 246 MCFD, 0.9 BO	Date: Rates:	Date: 05/07/98 Rates: 98 MCFD, 0 BO
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: will be supplied upon completion	Oil: Gas:	Oil: Gas: will be supplied upon completion

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. 9.

10. Are all working, overriding, and royalty interests identical in all commingled zones?	X Yes	
If not, have all working, overriding, and royalty interests been notified by certified mail?	Yes X Yes	
Have all offset operators been given written notice of the proposed downhole commingling?	x Yes	_

Will cross-flow occur? <u>X</u>Yes <u>No</u> 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. <u>X</u>Yes <u>No</u> (If No, attach explanation) 11. Will cross-flow occur?

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. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

11

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 all offset operators.
* 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	TZ	Mult
		//

TITLE Production Engineer DATE 06-08-98

TYPE OR PRINT NAME Kevin L. Midkiff

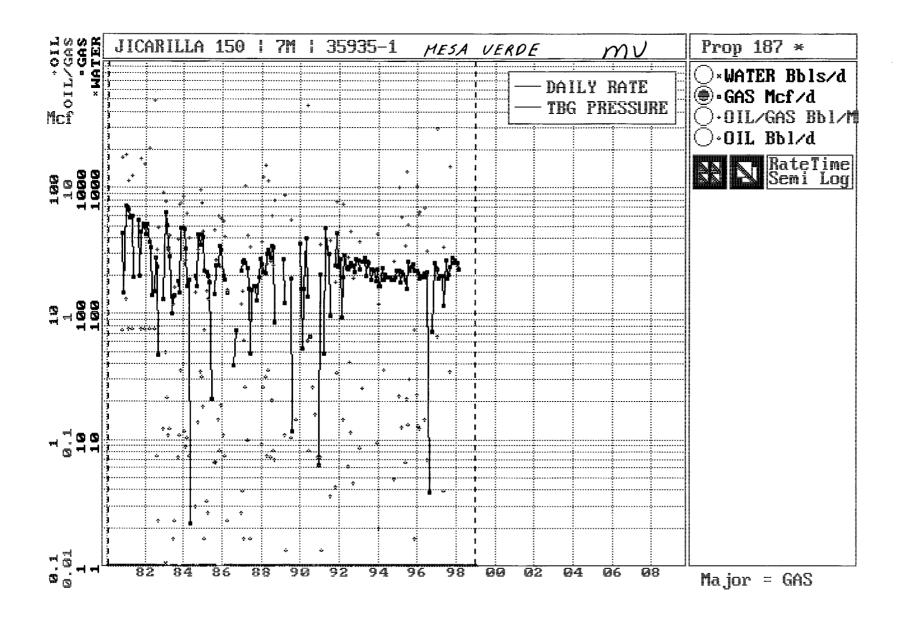
TELEPHONE NO. (505) 326-9700_

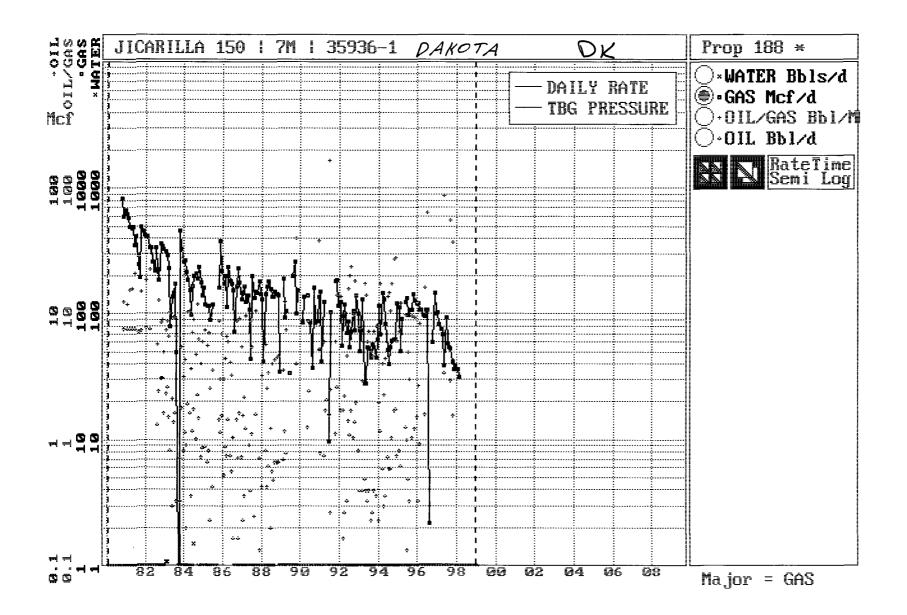
NEMEXICO OIL CONSERVATION COMMISSION WELL JCATION AND ACREAGE DEDICATION LAT

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Form C-102 Supersedes C-12. Effective 1-1-55

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Jicarilla 150 7M BHP Cullender and Smith Method Version 1.0 3/13/94

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Mesa Verde	Dakota
<u>MV - Current</u>	<u>DK-Current</u>
GAS GRAVITY0.574COND. OR MISC. (C/M)M%N20.19%CO20.8%H2S0DIAMETER (IN)5DEPTH (FT)5990SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)135FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)438BOTTOMHOLE PRESSURE (PSIA)495.1	GAS GRAVITY0.664COND. OR MISC. (C/M)M%N20.33%CO20.91%H2S0DIAMETER (IN)55DEPTH (FT)8060SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)161FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)523BOTTOMHOLE PRESSURE (PSIA)633.7
<u>MV - Original</u>	<u>DK-Original</u>
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	y ID: 1037					
	Name: JICARIL					
Table N	Name: K:\ARIE	S\RR99PD	P\TEST.DBF	DAKOT	-A.	
<u>DATE</u> _	<u>CUM_GAS</u>					
	Mcf	Psi				
07/14/00	0	0114 0			`	
07/14/80	0	2114.0				
09/25/81		1148.0				
05/02/82		946.0				
07/25/83	382504	889.0				
05/29/85	502795	934.0				
01/13/88	646665	832.0				
10/03/90	747697	731.0				
05/29/91	764227	466.0				
04/29/92	794514	786.0				
04/01/98	953407	511	Based on	Pressure vs.	. cum. Gas	Curve

Package Preparation Volume Data											
DPNo: 359	36 JI	CARILLA 150		71	M		Fon	n: DK			
Supt: 60 Pipeline:	KEN RAYBO WFS	DN F Plunger:	F: 339 No	WARD ARNO	LD ual: Yes	MS:	303 RAY SA Compre	NDOVAL	No		
<u>0</u> \	wnership (No	<u>Trust)</u>		<u>Pr</u>	<u>ior Year</u>		<u>Cur</u>	rent Year			
GWI:	<u>Gas</u> 62.5000%	<u>Oil</u> 62.5000%		MCF/M	BOPM	<u>Days</u> <u>On</u>	<u>MCF/M</u>	<u>BOPM</u>	<u>Days</u> <u>On</u>		
GNI:	54.6875%	54.6875%	Jan Feb	3,202 2,590	0.0 0.0	31 28	1,142 983	0.0 0.0	31 28		
<u>Volumes</u> (Days On)	MCFI	D BOPD	Mar Apr	2,389 2,138	0.0 0.0	31 30	0 0	0.0 0.0	31 0		
7 Day Avg 30 Day Avg	213 98	8 0.0 0.0	May Jun	1,205 2.943	103.0 0.0	16 30	0	0.0 0.0	0 0		
60 Day Avg	45	0.0	Jul	1,825	0.0	27.1	0	0.0	0		
3 Mo Avg 6 Mo Avg	37 41	0.0 0.8	Aug Sept	1,705 1,659	0.0 90.0	31 30	0 0	0.0 0.0	0 0		
12 MoAvg	57	0.7	Oct Nov	1,292 1,121	47.0 0.0	31 30	0 0	0.0 0.0	0 0		
<u>Volumes</u> (Days in Mo	onth) MCFI	D BOPD	Dec	1,226	0.0	31	0	0.0	0		
30 Day Avg		0.0	Total	23,295	240.0		2,125	0.0			
60 Day Avg 3 Mo Avg	43 37	0.0 0.0					Pri	nt Form			
6 Mo Avg 12 Mo Avg	41 54	0.8 0.7					Exit Vo	lumes C)ata		
5/7/98			:								

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		F		ge Prepa olume Da)			
DPNo: 359:	35 JI	CARILLA 150		,	M		For	m: MV	
Supt: 60 Pipeline:	KEN RAYBO WFS	DN F Plunger:	F: 339 Yes	WARD ARNO	LD ual: Yes	MS:	303 RAY SA Compre	NDOVAL	No
<u>Ov</u>	wnership (No	<u>Trust)</u>		<u>Pr</u>	ior Year		<u>Cur</u>	rent Year	
GWI:	<u>Gas</u> 62.5000%	<u>Oil</u> 62.5000%		MCF/M	BOPM	<u>Days</u> <u>On</u>	MCF/M	<u>BOPM</u>	<u>Days</u> <u>On</u>
GNI:	54.6875%	54.6875%	Jan	6,931	200.0	31	7,841	0.0	31
			Feb	5,954	0.0	28	7,012	0.0	28
Volumes			Mar	6,229	0.0	31	0	0.0	31
(Days On)	MCF	<u>BOPD</u>	Apr	6,203	0.0	30	0	0.0	0
7 Day Avg	307	8.6	May	3,575	12.0	16	0	0.0	0
30 Day Avg	246	0.9	Jun	8,215	0.0	30	0	0.0	0
60 Day Avg	110	0.4	Jul	5,876	0.0	25.2	0	0.0	0
3 Mo Avg	257	0.0	Aug	6,332	0.0	31	0	0.0	0
6 Mo Avg	260	0.6	Sept	7,275	105.0	30	0	0.0	0
12 MoAvg	242	0.3	Oct	8,639	0.0	31	0	0.0	0
			Nov	7,964	0.0	30	0	0.0	0
<u>Volumes</u>			Dec	8,274	0.0	31	0	0.0	0
(Days in Mo	onth) MCFE	<u>BOPD</u>	Total	81,467	317.0		14.853	0.0	
30 Day Avg	204	0.7	TUIdi	01,407	317.0		14,000	0.0	
60 Day Avg	101	0.4							
3 Mo Avg	257	0.0					Pri	nt Form	
6 Mo Avg	258	0.6							
12 Mo Avg	229	0.3					Exit Vo	lumes C	lata
5/7/98						•••••	<		

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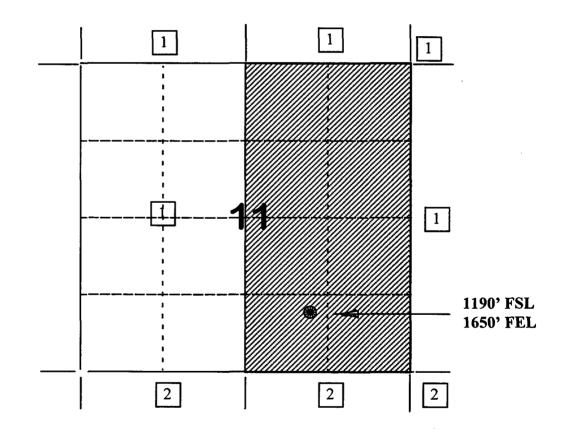
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BURLINGTON RESOURCES OIL AND GAS COMPANY

Jicarilla 150 #7M

OFFSET OPERATOR/OWNER PLAT Mesaverde / Dakota Formations Commingle Well

Township 26 North, Range 5 West



1) Burlington Resources

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PLH 4/29/98

Jicarilla 150 7M Sec. 11, T26N, R5W Mesaverde/Dakota