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DATE IN	SUSPENSE	~[[]	ENGINEER	<del></del>	100000		

ABOVE THIS LINE FOR DIVISION USE ONLY

### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -2040 South Pacheco, Santa Fe, NM 87505





	ADI	MINISTRATIVE APPLICATION COVERSHEET
THIS	S COVERSHEET IS MAN	IDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
ailaa	cation Acronyms:	Whollingong Household his sivious assessment
		ISP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
		[DD-Directional Drilling] [SD-Simultaneous Dedication]
		e Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
		ommingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
	(WF.	X-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Sait Water Disposai] [IPI-Injection Pressure Increase]
	FEOR-Qualifie	d Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
	•	TO BE TO BE
[1]		LICATION - Check Those Which Apply for [A]
	* *	Location - Spacing Unit - Directional Drilling
	. [	DINSL DINSP DDD DSD OCT   9 1999
		Consumer Vision of the
		One Only for [B] or [C]
		Comminging - Storage - Measurement
	Ţ	☑DHC ☐CTB ☐PLC ☐PC ☐OLS ☐OLM
	[C] 1	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	(	□WFX □PMX □SWD □IPI □EOR □PPR
[2]	NOTIFICATION	ON REQUIRED TO: - Check Those Which Apply, or Does Not Apply
-		Working, Royalty or Overriding Royalty Interest Owners
	[]	we consider the contracting 110 years of 11101100
	[B]	☐ Offset Operators, Leaseholders or Surface Owner
	[2]	= 011000 operators, Deasonolates of Sarrage Owner
	[C]	Application is One Which Requires Published Legal Notice
	[0]	- representation is one which requires I doubled Legal Notice
	[D]	☐ Notification and/or Concurrent Approval by BLM or SLO
	[D]	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,
	£773 [	
	[F]	☐ Waivers are Attached
[3]	INFORMATIO	ON / DATA SUBMITTED IS COMPLETE - Certification
ارحا	MANUALIC	ATA SUDIVILLIED IS COMPLETE - CEMINICATION

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* (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 inc	dividual with managerial and/or super	visory capacity.
	Degan Shad	hull	
Print or Type Name	Signature	Title	Date

DISTRICT I
1625 N. French 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

Operator

#### 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 Revised August 1999

APPROVAL PROCESS:

\_x\_Administrative \_\_\_Hearing EXISTING WELLBORE

\_X\_ YES \_\_\_ NO

# Burlington Resources Oil and Gas

Grenier	4	D-7-	·31N-11W	San Juan
Lease	Well No.	Unit Ltr	Sec - Twp - Rge S	County pacing Unit Lease Types: (check 1 or more)
OGRID NO. 14538 Property Code_	_18530	API NO30-0	<b>45-10949</b> Fede	ralX_ , State, (and/or) Fee
The following facts are submitted in support of downhole commingling:	Upp Zon	ar e	Intermediate Zone	Lower Zone
Pool Name and     Pool Code	Blanco Pictured Cli			Blanco Mesaverde - 72319
Top and Bottom of Pay Section (Perforations)	2906-2929			5140-5242
Type of production (Oil or Gas)	Gas			Gas
Method of Production     (Flowing or Artificial Lift)	Flowing			Flowing
Bottomhole Pressure     Oil Zones - Artificial Lift:	a. (Current) 238 psi (si	ee attachment)	а.	a. <sup>425 psi (see</sup> attachment)
Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. <sup>(Original)</sup> 875 psi (se	e attachment)	b.	b. <sup>1265 psi (see</sup> attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1195			BTU 1247
7. Producing or Shut-In?	Producing			Producing
	Yes			Yes
Production Marginal? (yes or no)  * If Shut-In, give date and oil/gas/ water rates of last production	Date: Rates:		Date: Rates:	Date: Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: 9/2/99		Date	Date: 9/2/99
* If Producing, give dateandoil/gas/ water rates of recent test (within 60 days)	Rates: 18 mcfd		Rates:	Rates: 94 mcfd
Fixed Percentage Allocation     Formula -% for each zone     (total of %'s to equal 100%)	Will be supplied upon or	ompletion.		Will be supplied upon completion.
If allocation formula is based up attachments with supporting d	oon something oth lata and/or explai	ner than curren ning method a	t or past production, or is base nd providing rate projections	d upon some other method, sub or other required data.
10. Are all working, overriding, and If not, have all working, overrid		_		•
11. Will cross-flow occur? _X_\ flowed production be recovered	Yes No If ged, and will the all	yes, are fluids location formu	compatible, will the formation la be reliableX_Yes	s not be damaged, will any cro No (If No, attach explanation
12. Are all produced fluids from all	commingled zon	es compatible	with each other? XY	es No
13. Will the value of production be		_		·
<ol> <li>If this well is on, or communitized United States Bureau of Land</li> </ol>	ed with, state or Management has	federal lands, been notified	either the Commissioner of Pi in writing of this application.	ublic Lands or the _X_Yes No
15. NMOCD Reference Cases for	Rule 303(D) Exc	eptions: C	ORDER NO(S).	
16. ATTACHMENTS:  * C-102 for each zone * Production curve for * For zones with no p * Data to support allow * Notification list of we * Any additional state	e to be commingler each zone for at roduction history, cation method or orking, overriding ments, data, or d	ed showing its least one yea estimated pro formula. , and royalty ir ocuments requ	spacing unit and acreage dear. (If not available, attach expoduction rates and supporting atterests for uncommon interestation support commingling.	dication. planation.) data. et cases.
I hereby certify that the information			•	
SIGNATURE MANY ZOLEN	•			
TYPE OR PRINT NAMEMa	ry Ellen Lutey		TELER	PHONE NO.(_505_)326-97

# NE EXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

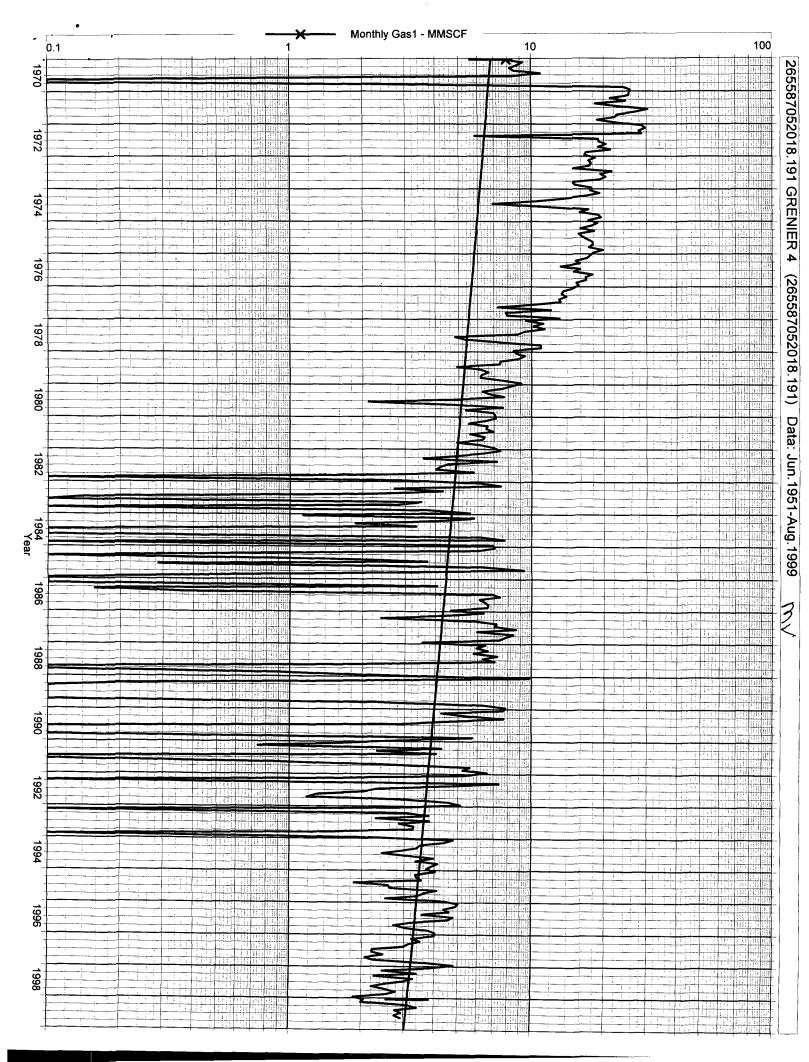
Operator						Lease		•			Well No.
Aztec Oi	ξ.	Gas	Co.			Gre	enier				4
Unit Letter		Section	on.	Township		Rang	•	0	ounty		
D			7	31N			1 I W		Sa	n Juan	
Actual Footage	Loca	ition o				000				Mage	
990		feet	nom me	orth	line and	990		feet fr	om the	West	line
Ground Level E 6296 GL	lev:		Producing Form	nation red Cli	£ £ £	Pool	D:		C1:5		dicated Acreage:
0290 GL			Pictu	rea CII	115	Вта	nco Pict	turea	CIII	rs	158.90 Acres
1. Outline	e the	e acr	eage dedicat	ted to the	e subject we	ell by co	lored pend	cil or h	achure	marks on the p	lat below.
2. If mor interes				dedicated	d to the wel	l, outline	e each and	l identi	ify the	ownership there	of (both as to working
			e lease of di nitization, u		=		d to the w	ell, ha	ve the	interests of al	l owners been consoli-
Ye	s		No If an	swer is '	'yes;' type o	f consol	idation				-
TC		<u>.</u> 44.	o" line the	num ere e	nd troop dass	mintia	which been		-11 L	an a===-1*1 ·	. (***
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51011.											
School or Street, or other	****				Ì		T				ERTIFICATION
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:			1			/	101/2 01	57.	/	Registered Profe	essional Engineer
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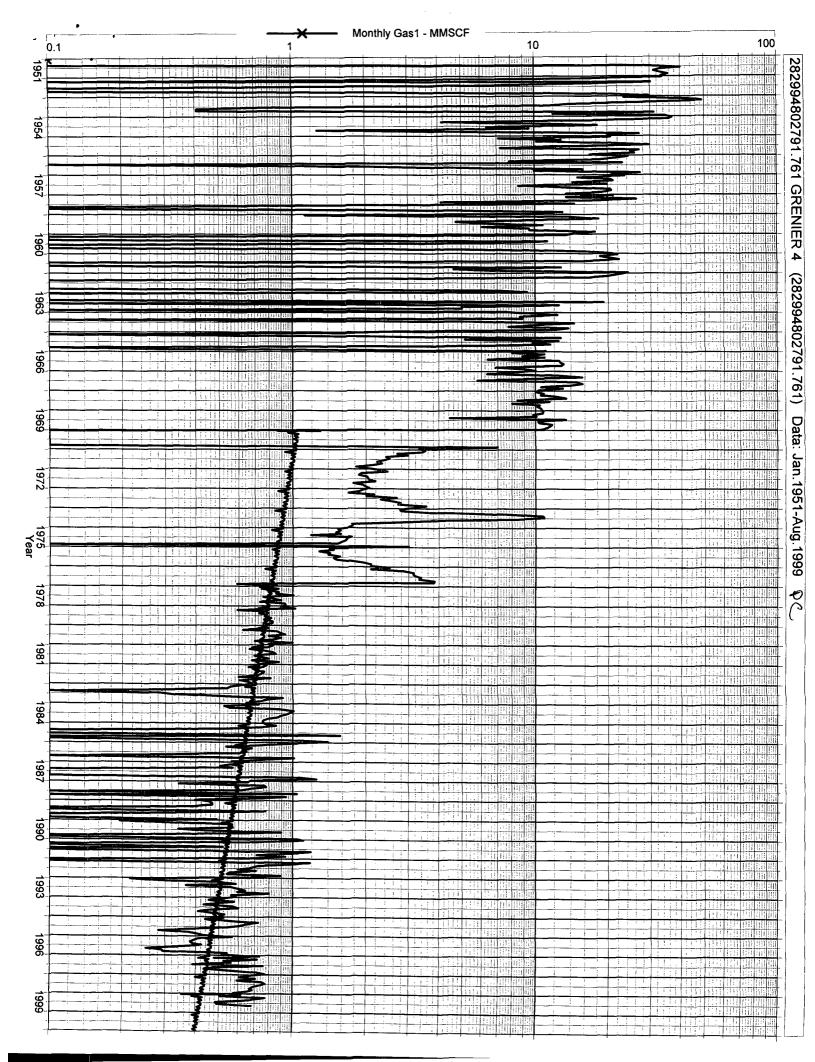
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		1970	8	8	796	original
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l .	GRENIER 4	1974	8	2	400	
ပူ	GRENIER 4	1976	8	2	325	
"	GRENIER 4	1978	1	2	369	
	GRENIER 4	1978	1	10	357	
	GRENIER 4	1980	8	16	360	
	GRENIER 4	1982	4	16	346	
	GRENIER 4	1984	5	30	360	
					210	3080.97 current estimate from P/Z data
1	GRENIER 4/2562502	1951	6	2	1,073.00	original
	GRENIER 4	1970	10	26	682	· ·
	GRENIER 4	1971	5	18	594	
	GRENIER 4	1972	5	26	547	
1	GRENIER 4	1973	5	2	549	
i	GRENIER 4	1974	6	2	434	
	GRENIER 4	1978	5	18	412	
] ≩	GRENIER 4	1980	8	24	491	
	GRENIER 4	1982	4	16	445	
1	GRENIER 4	1984	5	30	464	
	GRENIER 4	1986	4	2	508	
	GRENIER 4	1990	2	14	383	
1	GRENIER 4	1991	5	15	393	
	GRENIER 4	1991	5	29	405	
<u></u>	GRENIER 4	1993	6	30	382	
					360	2668.35 current estimate from P/Z data

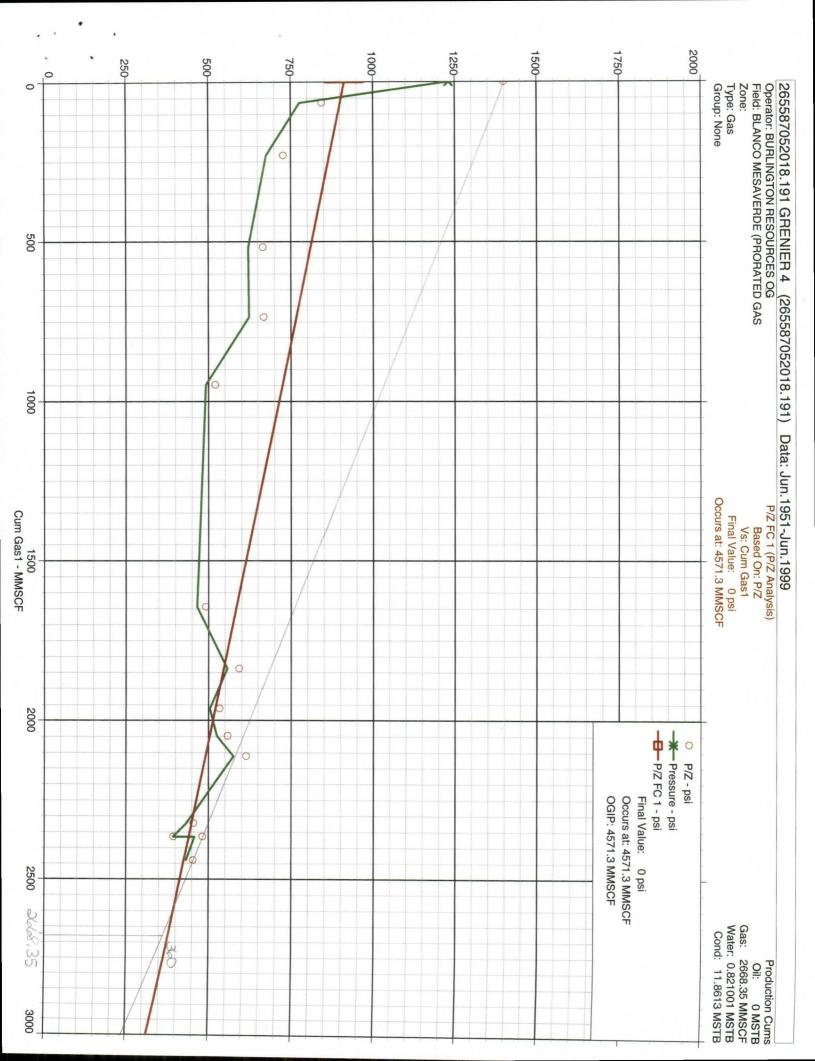
# Grenier #4 Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method

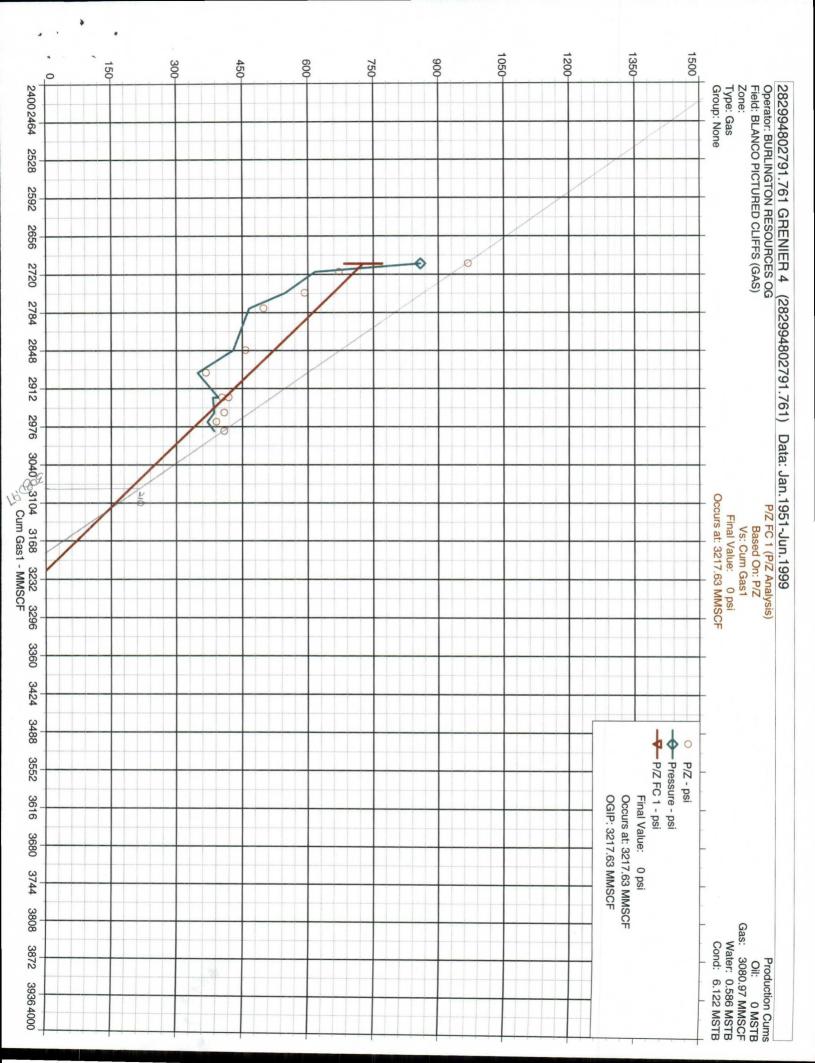
Version 1.0 1/14/98

Pictured Cliffs	Mesaverde
PC-Current	MV-Current
GAS GRAVITY COND. OR MISC. (C/M)  %N2  %CO2  %H2S  DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)  BOTTOMHOLE PRESSURE (PSIA)  238.4	GAS GRAVITY 0.723 COND. OR MISC. (C/M) M %N2 0.29 %CO2 0.96 %H2S 0 DIAMETER (IN) 1.5 DEPTH (FT) 5191 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 155 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 372 BOTTOMHOLE PRESSURE (PSIA) 425.1
PC-Original	MV-Original
GAS GRAVITY COND. OR MISC. (C/M)  %N2	GAS GRAVITY 0.723 COND. OR MISC. (C/M) M %N2 0.29 %CO2 0.96 %H2S 0 DIAMETER (IN) 1.5 DEPTH (FT) 5191 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 155 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 1085  BOTTOMHOLE PRESSURE (PSIA) 1264.7









Select By : Completions

Pressure Base : None Units : Rounded (y/n) : No

Page No : 1

Report Number : R\_027

Print Date : 09/23/1999, 1:33:24 P

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