BURLINGTON RESOURCES

SAN JUAN DIVISION

October 10, 1996

Mr. William LeMay New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re:

McDurmitt #1M

1450'FNL, 1100'FWL Section 6, T-31-N, R-12-W, San Juan County, NM

API #30-045-26257

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. This is currently a dual Mesa Verde/Dakota well.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

- 1. Form C107A Application for Downhole Commingling;
- 2. C-102 plat for each zone showing its spacing unit and acreage dedication;
- 3. Production curve for both the Dakota and Mesa Verde for at least one year;
- Notification list of offset operators;
- 5. Shut in wellhead pressure and calculated down hole pressure;
- 6. Nine-section plats for the Mesa Verde and Dakota.

The ownership for both the Mesa Verde and Dakota are common in this well. No notification to interest owners is required.

The allocation formula is included, showing 45% from the Mesa Verde and and 55% from the Dakota formation.

Please let me know if you require additional data.

Sincerely,

Peggy Bradfield

Regulatory/Compliance Administrator

encs.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

APPROVAL PROCESS:

_X__YES ___ NO

DISTRICT II

2040 S. Pacheco Santa Fe, New Mexico 87505-6429

__X_ Administrative ___Hearing

811 Souti: First St., Artesia, NM 88210-2835 DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693 APPLICATION FOR DOWNHOLE COMMINGLING EXISTING WELLBORE

rlington Resources Oil & Gas		Address	
Durmitt	1M	E-6-31N-12W	San Juan
88	Well No.	Unit Ltr Sec - Twp - Rge	County Spacing Unit Lease Types: (check 1 or more)
GRID NO14538 Property Code _	7306 API NO. 30-045-2	.6257Federal_X, State	, (and/or) FeeX
The following facts are submitted in support of downhole commingling.	Upper Zone	Intermediate Zone	Lower Zarie
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4582-4922'		6774-6902'
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:	(Current) a. 524 psi (see attachment	a.	a.481 psi (see attached)
Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b 1077 psi (see attachmen	t) b.	b. 1584 psi (see attached)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1190		BTU 1195
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:N/A Rates:	Date: Rates:	Date: N/A Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 8-96 Rates: 47 MCF/D	Date: Rates:	Date: 8-96 Rates: .38 BOPD, 38 MCF/D
Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: % Will be supplied when complete	Oil: Gas: %	Oil: Gas: % Will be supplied when completed
O. Are all working, overriding, and If not, have all working, overrid Have all offset operators been Multiple of the control of the control Multiple of the control Mul	d royalty interests identicating, and royalty interests given written notice of the No If yes, are fluids will the allocation formula	Il in all commingled zones? been notified by certified ma e proposed downhole commin compatible, will the formation be reliableXYes	ons not be damaged, will any cross-fl _No (If No, attach explanation)
2. Are all produced fluids from all3. Will the value of production be			
Will the value of production be If this well is on, or community Bureau of Land Management has	tized with, state or federa as been notified in writing	at lands, either the Commiss of this applicationX_Yes	ioner of Public Lands or the United S _ No
5. NMOCD Reference Cases for R			
* Production curve to * For zones with no pr * Data to support of o	r each zone for at least on roduction history, estimate cation method or formula.	g its spacing unit and acreage year. (If not available, attaced production rates and supposalty interests for uncommons required to support commin	orting data.
I hereby certify that the info	smation above is true a	and complete to the best	of my knowledge and belief.
) 326-9700

DIL CONSERVATION DIVI

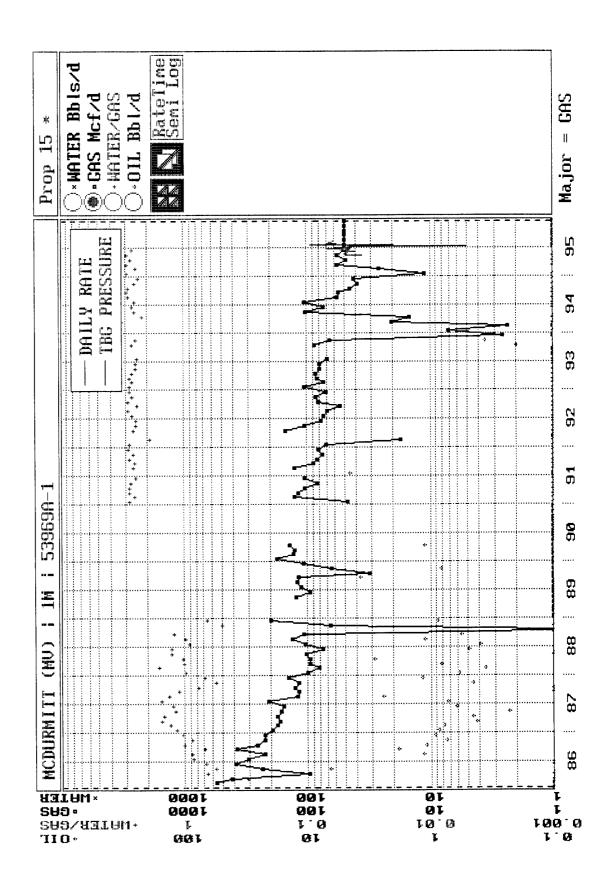
STATE OF NEW MEXICO MERGY AND MINERALS DEPARTMENT

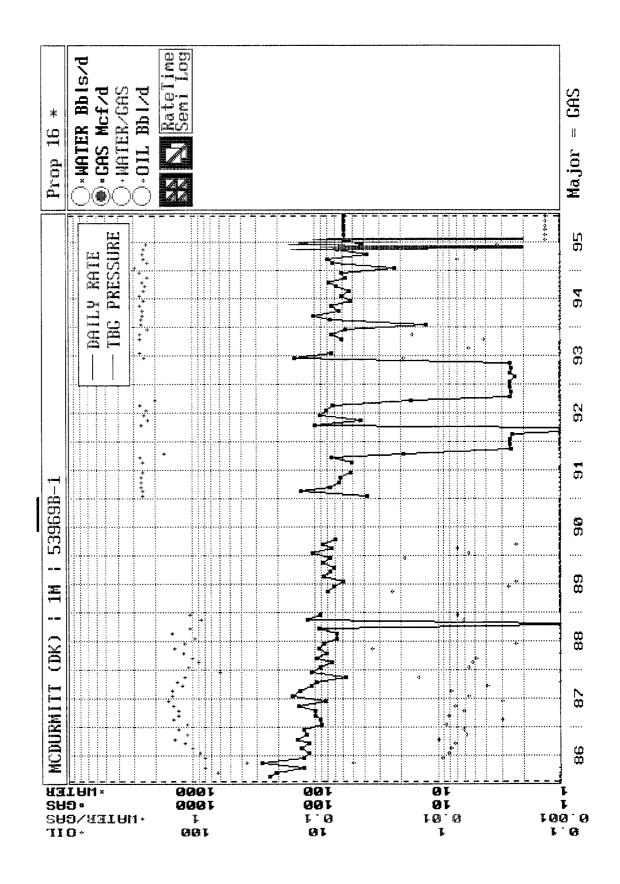
P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1

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E Section Township		Range County		1	Tenam		
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1450	feet from the	North 11	ne cand	1100	eet from the	West	line
Fround Level Elev.		mation	Pool				Dedicated Acreage:
5881		de Dakota		Blanco Bas			12.76 & 312.76 Acres
1. Outline t	he acreage dedica	ited to the subj	ect well by	colored penci	l or hachure	marks on th	e plat below.
2. If more t	than one lease is and royalty).	dedicated to the	he well, out	lline each and i	dentify the c	ownership th	nereof (both as to working
3. If more th	nan one lease of d communitization, i	lifferent ownersl unitization, force	nip is dedic e-pooling.e	ated to the wel	l, have the i	nterests of	all owners been consoli-
Yes Yes	No If a	nswer is "yes;"	type of con	solidation			
If answer	is "no;" list the	owners and trac	t descriptio	ons which have	actually bee	en consolida	ated. (Use reverse side of
No allowa	ble will be assign	ed to the well u or until a non-s	ntil all inter tandard uni	rests have been t, eliminating s	consolidate uch interest	ed (by comi s, has been	munitization, unitization, approved by the Commis-
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April 26	6 1085						nd correct to the best of my
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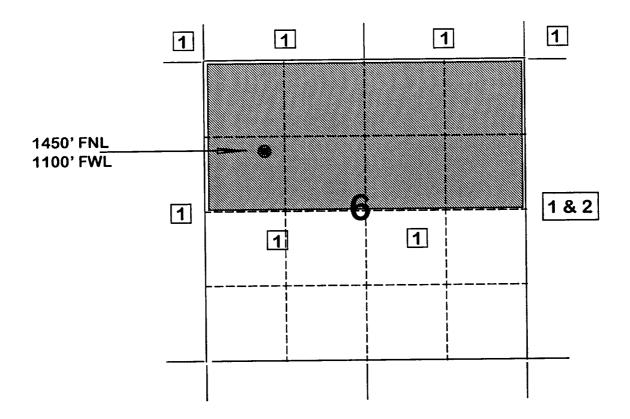


BURLINGTON RESOURCES OIL AND GAS COMPANY

McDurmitt #1M OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 31 North, Range 12 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Snyder Oil Corporation 777 Main, Suite 2500 Ft. Worth, TX 76102

FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD

VERSION 1.0 3/13/94

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	C
%N2	0.18
%CO2	0.7
%H2S	0
DIAMETER (IN)	2.5
DEPTH (FT)	4922
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	463
BOTTOMHOLE PRESSURE (PSIA)	523.6

MCDURMITT #1M MESAVERDE - (CURRENT)

FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD

VERSION 1.0 3/13/94

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	С
%N2	0.18
%CO2	0.7
%H2S	0
DIAMETER (IN)	2.5
DEPTH (FT)	4922
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	942
BOTTOMHOLE PRESSURE (PSIA)	1076.7
DOTT CHILDEL T INCOUNTE (1 ONI)	10,0,,

MCDURMITT #1M MESAVERDE - (ORIGINAL)

Organize Data ScreenGraph Economics Report Plot Utility

Browsing: MCDURMITT (MV) | 1M | 53969A-1 Property No.: 15

Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/8/467

Item: 12/32/33 Name: GAS_RATE Type: Numeric Len: 8/197/203 Dec: 0 Quit

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FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD

VERSION 1.0 3/13/94

GAS GRAVITY	0.699
COND. OR MISC. (C/M)	С
%N2	0.16
%CO2	0.76
%H2S	0
DIAMETER (IN)	2.5
DEPTH (FT)	6902
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1314
BOTTOMHOLE PRESSURE (PSIA)	1583.9

MCDURMITT #1M DAKOTA - (ORIGINAL)

FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD

VERSION 1.0 3/13/94

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	С
%N2	0.18
%CO2	0.16
%H2S	0.76
DIAMETER (IN)	2.5
DEPTH (FT)	6902
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	409
BOTTOMHOLE PRESSURE (PSIA)	481.2

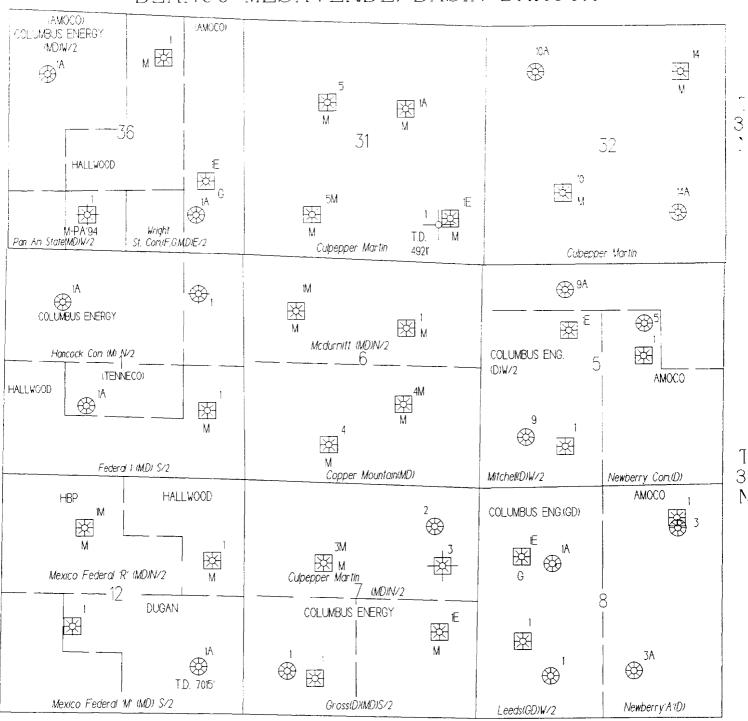
MCDURMITT #1M DAKOTA - (CURRENT)

Organize Data ScreenGraph Economics Report Plot Utility Quit Browsing: MCDURMITT (DK) | 1M | 53969B-1 Property No.: 16
Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/7/467
Item: 12/32/33 Name: GAS_RATE Type: Numeric Len: 8/197/203 Dec: 0

	GAS RATE	WTR RATE	WHT M F	WHP- M si	FBHP- M Psi	SIWHP Psi	M SIBHP	C FWHP-	C FBHP-	
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McDURMITT #1M SECTION 6, T31N, R12W BLANCO MESAVERDE/BASIN DAKOTA



R-13-W

R-12-W

PRODUCTION ALLOCATION FORMULA METHOD

McDurmitt #1M (Mesaverde/Dakota) Commingle Unit E, 6-T31N-R12W San Juan County, New Mexico

Allocation Formula Method:

Current Production from Mesaverde formation = 50 MCFD

Current Production from Dakota formation = 60 MCFD

[(MV & DK) 110 MCFD - (MV) 50 MCFD] = (DK) % Dakota 55%
(MV & DK) 110 MCFD

[(MV & DK) 110 MCFD - (DK) 60 MCFD] = (MV) % Mesaverde 45% (MV & DK) 110 MCFD