

ABOVE THIS LINE FOR DIVISION USE ON

NEW MEXICO OIL CONSERVATION DIVISION





		ADMINISTRATIVE	APPLICATION CHE	CKLIST
	THIS CHECKLIST IS	MANDATORY FOR ALL ADMINISTRATIVE	APPLICATIONS FOR EXCEPTIONS TO SING AT THE DIVISION LEVEL IN SANTA	
Appl	[DHC-Dov [PC-P	ns: andard Location] [NSP-Non-Sta vnhole Commingling] [CTB-Le ool Commingling] [OLS - Off-L [WFX-Waterflood Expansion]	ndard Proration Unit] [SD-Sim ase Commingling] [PLC-Poo .ease Storage] [OLM-Off-Lea - [PMX-Pressure Maintenance I] [IPI-Injection Pressure Inc	ultaneous Dedication] d/Lease Commingling] ase Measurement] Expansion] rease]
[1]	TYPE OF A	PPLICATION - Check Those W Location - Spacing Unit - Sim NSL NSP S		
	Chec [B]	k One Only for [B] or [C] Commingling - Storage - Mea: DHC CTB I		OLM
	[C]		Increase - Enhanced Oil Recove	ery] PPR
	[D]	Other: Specify		
[2]	NOTIFICAT [A]	TON REQUIRED TO: - Check Working, Royalty or Over	Those Which Apply, or Docs riding Royalty Interest Owners	Not Apply
	[B]	Offset Operators, Leaseho	lders or Surface Owner	•
	[C]	Application is One Which	Requires Published Legal Noti	ce
	[D]	Notification and/or Concu	rrent Approval by BLM or SLC enissioner of Public Lands, State Land Office	
	[E]	For all of the above, Proof	of Notification or Publication i	s Attached, and/or,
	- [F]	Waivers are Attached		
3]		CURATE AND COMPLETE I	NFORMATION REQUIRED	TO PROCESS THE TYPE
	al is accurate at	FION: I hereby certify that the independent of my known and notification and notification.	owledge. I also understand that	no action will be taken on this
	Note:	Statement must be completed by an in	ndividual with managerial and/or sup	ervisory capacity.
rint or	Type Name	Signature	Title	Date

e-mail Address

District I

1625 N. French Drive, Hobbs, NM 88240

State of New Mexico

Form C-107A Revised June 10, 2003

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

E-MAIL ADDRESS <u>engineering@marbob.com</u>

Energy, Minerals and Natural Resources Department

APPLICATION TYPE X_Single Well Establish Pre-Approved Pools EXISTING WELLBORE X Yes No

Oil Conservation Division
V1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

2008 NOV 10 PM 3 17
APPLICATION FOR DOWNHOLE COMMINGLING

MADDOD ENERGY CORPORATION	B O DOY	27 JHC-4124	ADTECIA NIM DOGIO					
MARBOB ENERGY CORPORATION Operator	P O BOX Add	dress	ARTESIA, NM 88210					
BIGFOOT STATE	1 K-20-19S-2		EDDY					
Lease	Well No. Unit Letter-	Section-Township-Range	County					
OGRID No. 14049 Property C	ode <u>37073</u> API No <u>30-0</u>	15-22567 Lease Type:F	ederal X State Fee					
DATA ELEMENT	DATA ELEMENT UPPER ZONE INTERMEDIATE ZONE							
Pool Name	Winchester; Wolfcamp, NW (Oil)	Winchester; Upper Penn, West (Oil)						
Pool Code	l Code 97044							
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8863-8868' perfs		9644-9749' perfs					
Method of Production (Flowing or Artificial Lift)	Flow		Flow					
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Est 3800#		Est 4000#					
Oil Gravity or Gas BTU (Degree API or Gas BTU)	Est 42° API		Est 42° API					
Producing, Shut-In or New Zone	New Zone		New Zone					
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production	Date: n/a	Date:	Date: 11/05/08					
estimates and supporting data.)	Rates: n/a	Rates:	Rates: 5 BOPD 200 MCFD					
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas					
than current or past production, supporting data or explanation will be required.)	58 % 17 %	% %	42 % 83 %					
	<u>ADDITIO</u>	NAL DATA						
Are all working, royalty and overriding If not, have all working, royalty and ove			YesX No Yes No					
Are all produced fluids from all commit	ngled zones compatible with each of	other?	Yes_X No					
Will commingling decrease the value of	f production?		Yes NoX					
If this well is on, or communitized with or the United States Bureau of Land Ma			Yes_XNo					
NMOCD Reference Case No. applicabl	e 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-APPRO	OVED POOLS						
If application is	to establish Pre-Approved Pools, th	ne following additional information wil	1 be required:					
List of other orders approving downhole List of all operators within the proposed Proof that all operators within the proposed Bottomhole pressure data.	l Pre-Approved Pools							
I hereby certify that the information SIGNATURE	7		DATE 11/07/08 .					
TYPE OR PRINT NAME Geor		TELEPHONE NO. (575						
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Engineering Summary Form C-107A Application for Downhole Commingling

Marbob Energy Corporation Bigfoot State #1 (Unit K-Sec. 20-T19S-R28E)

Marbob Energy proposes to downhole commingle the Strawn (West Winchester Upper Penn) and Wolfcamp (Northwest Winchester Wolfcamp) in the captioned well. The Strawn was acid treated and tested approximately 5 BOPD/200 MCFD. The Wolfcamp has not been tested yet. The best engineering estimate is that the Wolfcamp will test 7 BOPD/40 MCFD and decline at the same rate as the Upper Penn. The oil and gas composition should be almost the same. The proposed zonal allocation is shown below.

<u>Upper Penn</u> Best engineering estimate is that zonal reserves will approximate post treatment well tests.

	200 MCFD 200+40 MCFD	=83.3%	Say 83% Gas
	<u>5 BOPD</u> 5+7 BOPD	=41.7%	Say 42% Oil
Wolfcamp	183	=17%	Say 17% Gas
	142	=58%	Say 58% Oil

M MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

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

átor		Lease	Bigfoot St.			We	ll No.			
MONSANTO COMPANY					Delta State Com,					1
Unit Letter	Section	Township		Floor		County				
K	20		19-5		28-E	<u> </u>	E	DDY.		
Actual Footage Loc	ation of Well:	C41.								
1980	feet from the	South	line and	218	fee	t from the	West	line		
Ground Level Elev:	Producing Fo			Poollin	1	Mar	iou	Dedicated		
3476'		· MC	rrow	\(\lambda_{\cdot} \)	Millman	· · · · · · · · · · · · · · · · · · ·		320+	or -	Acres
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2. If more th	an one lease is	dedicate	d to the well	, outline	each and ide	ntify the	ownership t	hereof (bo	th as to	working
interest ar	id royalty).		•			,	,			
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3. It more tha	in one lease of o	lifferent o	wnership is	dedicated	l to the well,	have the	interests o	all owne	rs been	consoli-
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District (

1625 N. French Dr., Hubbs, NM 85243

<u>Hanir II</u>

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State of New Mexical

Chergy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, N.M 87595

Form C-102

Revised October 12, 2005.

Submit to Appropriate District Office.

State awase - 4 Copies

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State of New Mexical

Chergy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fo, NM 87595

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Revised October 12, 2005

Submit to Appropriate District Office

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November 7, 2008

New Mexico State Land Office Oil, Gas & Minerals Division P. O. Box 1148 Santa Fe, NM 87504-1148

Attn: Ms. Jamie Bailey

Re: C-107A Downhole Commingling Application

Bigfoot State #1

Township 19 South, Range 28 East, NMPM

Sec. 20: Unit K

Eddy County, New Mexico

Dear Ms. Bailey:

Enclosed is the \$30.00 application fee and copy of the Form C-107A Application for Downhole Commingling that we submitted to the NMOCD for the referenced well located in Eddy County.

We are seeking approval to downhole commingle the Strawn and Wolfcamp zones to extend the economic life of the well and maximize the financial benefit to the State of New Mexico.

If you have any questions, please call me at 505-748-3303.

Sincerely,

George H Freeman

Seoze H Freeman

Sr. Engineer

GHF/dlw enclosures