WILL JUNES

LOGGED IN 3/27/06

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



A	DMINISTRATIVE	APPLICATION	I CHECKLIST	
THIS CHECKLIST IS MANI	DATORY FOR ALL ADMINISTRATIVE	APPLICATIONS FOR EXCE SING AT THE DIVISION LEVE		AND REGULATIONS
Application Acronyms:	WHICH REQUIRE PROCES	SING AT THE DIVISION LEVE	- LIN ONN AT L	
[NSL-Non-Standa [DHC-Downho [PC-Pool [W	ard Location] [NSP-Non-Sta ble Commingling] [CTB-Lo Commingling] [OLS - Off- FX-Waterflood Expansion] [SWD-Salt Water Disposa ed Enhanced Oll Recovery (ease Commingling] Lease Storage] [OL [PMX-Pressure Mair ii] [IPI-injection Pres	[PLC-Pool/Lease Com .M-Off-Lease Measure ntenance Expansion] ssure increase]	mingling] ment]
[1] TYPE OF APPL	ICATION - Check Those V	Which Apply for [A]		
	ocation - Spacing Unit - Sin			
Check Or	ne Only for [B] or [C]			
[B] <u>C</u>	Commingling - Storage - Mea		OLS 🗌 OLM	
[C] In	njection - Disposal - Pressure WFX PMX			
[D] O	other: Specify			
[2] NOTIFICATION [A]	N REQUIRED TO: - Check Working, Royalty or Ove			
[B]	Offset Operators, Leaseh	olders or Surface Own	er	
[c]	Application is One Which	n Requires Published I	egal Notice	e de la
	Notification and/or Concu	urrent Approval by BL mmissioner of Public Lands, State	M or SLO Land Office	
u grand tali (El lere) 🖸	For all of the above, Proo	f of Notification or Pul	blication is Attached, a	nd/or,
[F] [Waivers are Attached	and the second s	As a second	:
3] SUBMIT ACCUR OF APPLICATION	RATE AND COMPLETE I ON INDICATED ABOVE.	NFORMATION RE	QUIRED TO PROCI	ESS THE TYPE
pproval is accurate and co	N: I hereby certify that the icomplete to the best of my kneed information and notification	owledge. I also under	stand that no action w	r administrative ill be taken on this
Note: State	ement must be completed by an I	ndividual with managerial	and/or supervisory capaci	ty.
rint or Type Name	Signature	Title		Date

e-mail Address

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

District II

District III

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505
2006 Mill 27 PE
APPLICATION FOR DOWNHOLE COMMINGLING APPLICATION TYPE X Single Well

Establish Pre-Approved Pools 13EXISTING WELLBORE Yes _

03/22/06

MARBOB ENERGY CORPORATION	P O BOX 227	DHC-3676 ARTESIA, NM 88211-0027
Operator	Address	
D STATE #21	I-25-T17S-R28E	
Lease Well No.	Unit Letter-Section-Towns	ship-Range County

OGRID No. 14049 Property Code 25375 API No. 30-015-30975 Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE		
Pool Name	Artesia Qn-GB-SA		Artesia Glorieta/Yes		
Pool Code	3230		96830		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2870-3059' Perforat	ed	4017-4179' Perforate		
Method of Production (Flowing or Antificial Lift)	Artificial Lift		Artificial Lift		
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the tower zone is within 150% of the depth of the top perforation in the upper zone)	50 psi producing BHP		100 psi producing BHP		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	36°		39°		
Producing, Shut-In or New Zone	New Zone		Producing		
Date 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:	Date: 12/27/05 Rates: 11 BOPD 27 MCFPD		
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.)	29 % 48 %	% %	71 % 52 %		

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?	Yes_X_Yes	No
Are all produced fluids from all commingled zones compatible with each other?	Yes_X	
Will commingling decrease the value of production?	Yes	No_X
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_X	No
NMOCD Reference Case No. applicable to this well: Administrative Order DHC-2906	,	

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 tha	t the information above is true and	complete to	the best of my	knowledge and belief.
SIGNATURE	Jamil Mini	TITLE	ENGINEER	DATE

TYPE OR PRINT NAME BRIAN COLLINS TELEPHONE NO. (505)748-3303

engineering@marbob.com E-MAIL ADDRESS

Engineering Summary Form C-107A Application for Downhole Commingling

Marbob Energy Corporation

D State No. 21 (I-25-T17S-R28E)

D State No. 22 (P-25-T17S-R28E)

D State No. 28 (O-25-T17S-R28E)

D State No. 29 (P-25-T17S-R28E)

DAD State No. 41 (J-25-T17S-R28E)

DAD State No. 42 (I-25-T17S-R28E)

As shown on the attached production plots, the estimated EUR for the Yeso is 42 MBO/56 MMCF and for the San Andres is 17 MBO/51 MMCF. The proposed zonal allocation is:

Oil: Yeso =
$$\frac{42 \text{ MBO}}{42+17}$$
 = 71%

Gas: Yeso =
$$\frac{26 \text{ MMCF}}{56+51}$$
 = 52%

San Andres 1-.52 =
$$48\%$$

DISTRICT I P.O. Box 1980, Habbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer BB, Artonia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV P.O. BOX 2088, SANTA FR. N.M. 87504-2088

OIL CONSERVATION DIVISION

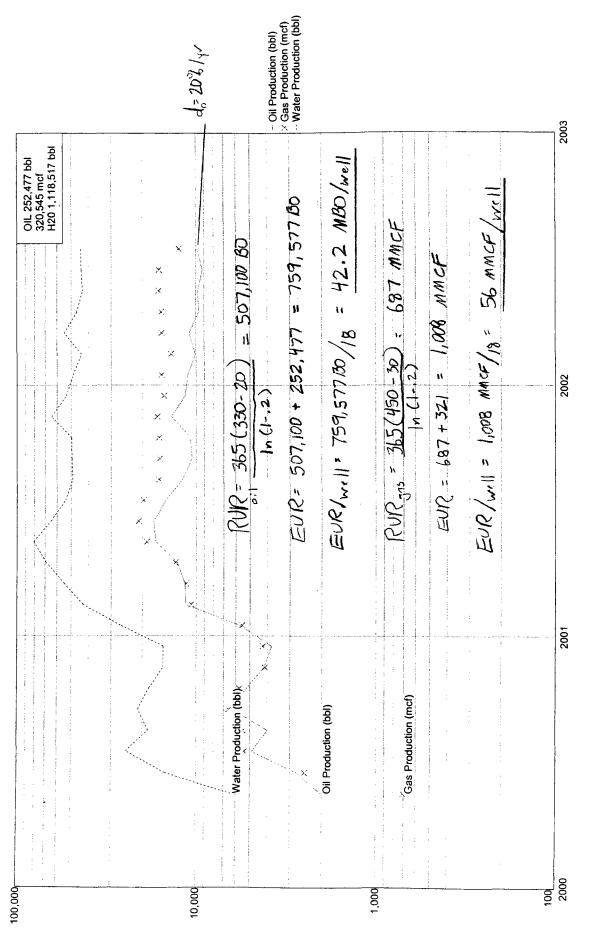
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

ATOT 1	Number			Pool Code	·		Pool Name		
AFI	Mumber			roor code		ARTESIA•QUI	Pool Name Cr CEN GRBG SA	Chantenan Y	pire ESO
Property C	ode		<u></u>		Property Na		ILL OLDO DA	Well Num	
			"D" STATE		21				
OGRID No).			V.0000	Operator Na			Rievation	
14049		<u> </u>		MAKBOE		ORPORATION		3664	
					Surface Loc				
UL or lot No.	Section 25	Township 17 S	Range	Lot Idn	Feet from the 2310	North/South line	Feet from the	East/West line	County
		1/3	28 E	<u> </u>	<u> </u>	SOUTH	330	EAST	EDD
IL or lot No.	Section	Tanahin		Hole Lo	cation If Diff	erent From Sur	face Feet from the	Park (Tark Mark	Compto
it or lot No.	zection	Township	Range	Lot las	reet from the	North/South line	reat from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation	Code 01	der No.				
40	}								
	WARIE Y	FILL BE AS	SSIGNED	TO THIS	COMPLETION	UNTIL ALL INTER	PRSTS HAVE DI	TEN CONSOLIDA	TED
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						33	SURVEYO	that the wall locati as platted from field made by me or	on show notes q under m trus as
						o <u>3</u> 3	SURVEYO I hereby certify on this plot to certail surveys supervison, as correct to th	y that the well locall as platted from field made by me or at that the same is a best of my beliaj	on show notes s under w trus os
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D STATE - [MULTIPLE



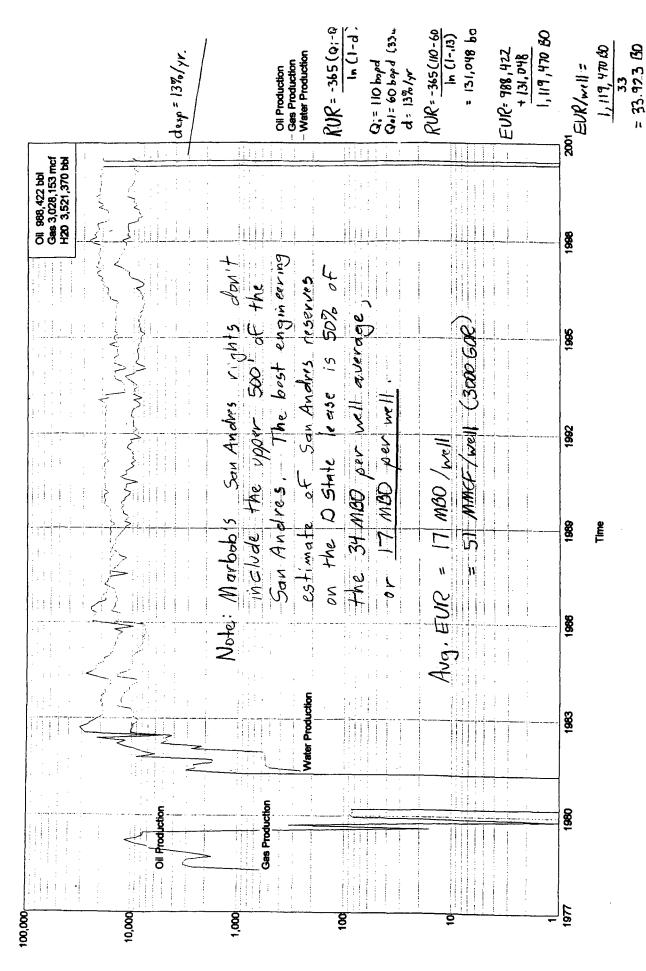
-17s-28e Sec. 26,27,34 Eddy, NM

Lease Name: MULTIPLE
County, State: EDDY, Unknown
Operator: MARBOB ENERGY CORPORATION
Flext: MULTIPLE Reservoir: QUEEN-GRAYBURG-SAN A ocation:

Aug. EUR per well = 33.9 MBO San Andres

Aug. GOR - 3000 (Aug 101.7 MMCF/W

MULTIPLE - MULTIPLE



Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103	
District I Ene	gy, Minerals and Natural Resources	May 27, 2004 WELL API NO.	
1625 N. French Dr., Hobbs, NM 88240 District II		30-015-30975	
1301 W. Grand Ave., Artesia, NM 88210	L CONSERVATION DIVISION	5. Indicate Type of Lease	
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	STATE X FEE	
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM			
SUNDRY NOTICES AND (DO NOT USE THIS FORM FOR PROPOSALS TO DIDIFFERENT RESERVOIR. USE "APPLICATION FO	RILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name D STATE	
PROPOSALS.) 1. Type of Well: Oil Well X Gas Well	8. Well Number 21		
2. Name of Operator MARBOB ENERGY O	9. OGRID Number 14049		
3. Address of Operator P O BOX 228	CORFORATION	10. Pool name or Wildcat	
ARTESIA, NM	ARTESIA GLORIETA/YESO		
4. Well Location			
1	feet from the SOUTH line and 3	30 feet from the EAST line	
Section 25	Township 17S Range 28E	NMPM EDDY County NM	
	ation (Show whether DR, RKB, RT, GR, etc.		
	3664' GR		
Pit or Below-grade Tank Application or Closure			
Pit typeDepth to Groundwater	Distance from nearest fresh water well Dis	stance from nearest surface water	
Pit Liner Thickness: mil Below	-Grade Tank: Volumebbls; C	onstruction Material	
12. Check Appropri	ate Box to Indicate Nature of Notice,	Report or Other Data	
NOTICE OF INTENTIO	ON TO:	POCCUENT DEPORT OF	
NOTICE OF INTENTIC PERFORM REMEDIAL WORK ☐ PLUG A	NOTIO: SUE	SSEQUENT REPORT OF:	
	_	RK ☐ ALTERING CASING ☐ ☐	
PULL OR ALTER CASING MULTIF	_		
TOLE ON ALTEN GAGING	CAGINO/CEMEN		
OTHER: DOWNHOLE COMMINGLING	□X OTHER:		
		nd give pertinent dates, including estimated date ttach wellbore diagram of proposed completion	
SEE ATTACHED C-107A APPLICATION ADMINISTRATIVE ORDER DHC-2906	ON FOR DOWNHOLE COMMINGLING		
THE PROPOSED ALLOCATION IS:	ARTESIA QN-GB-SA - OIL 29% - G ARTESIA GLORIETA/YESO - OIL 71		
NEW ALLOCATIONS WILL BE SUBMIT DIFFERENT THAN THAT ABOVE.	TTED IF ACTUAL WELL PRODUCTION	IS SIGNIFICANTLY	
I hereby certify that the information above is to grade tank has been/will be constructed or closed account	tue and complete to the best of my knowledged ing to NMOCD guidelines , a general permit	ge and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan.	
13. //male			
SIGNATURE // MWO/MUN	TITLE ENGINEER	DATE 03/22/06	
Type or print name BRIAN COLLINS	E-mail address:	Telephone No.	
For State Use Only		@marbob.com 505-748-3303	
		•	
	_		
APPROVED BY: Conditions of Approval (if any):	_	DATE	