·	r	
DATE	2FII SUSPEN	SE ENGINEER LOGGED IN F/11 (MP HS) MOUNTS 1206744610
		ABOVE THIS LINE FOR DIVISION USE ONLY
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
		1220 South St. Francis Drive, Santa Fe, NM 87505
		ADMINISTRATIVE APPLICATION CHECKLIST
Т	HIS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appli	cation Acronym	Si
	[DHC-Dow	ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
	[EOR-Qua	lified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AI [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
		Cone Only for [B] or [C]
	[B]	Commingling - Storage - Measurement
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
	[D]	Other: Specify
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or PDoes Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO 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,
	[F]	Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

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

Melanie Reyes

Print or Type Name

Signature

Engineer Assistant 1/24/12 Title Date

> melanie.reyes@resacaexploitation.com e-mail Address

OPERATING COMPANY

January 24, 2012

New Mexico Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Attention: Engineering Department

Re: Application to Downhole Commingle Jalmat/Langlie Mattix Pools Cooper Jal Unit #123,129,147 Unit Letter D, F, E; Sec. 19; T24S, R37E Lea County, New Mexico

Resaca Operating Company respectfully requests administrative approval to downhole commingle the Jalmat and the Langlie Mattix Pools within the subject wellbores. Currently, the wells have been approved for Re-Entry. Notification of offset operators is not an issue given the fact that Resaca offsets all of the wells.

Downhole Commingling these wells will provide a more economical and efficient means of production. It will allow complete development of the productive capacity on the subject lease by allowing both pools to be artificially lifted simultaneously. This will extend the life of both completions, thereby preventing waste.

The subject wells meet all of the requirements of Rule 303 (C). All produced fluids from other downhole commingled wells have entered a common production facility with no fluid compatibility problems.

Resaca also requests the allocation of production for each pool be deferred until a stabilized production rate is established. Production will then be allocated to the Jalmat and Langlie Mattix Pools. Tests for both pools will be reported on the Subsequent Sundry Reports. If you have any questions, please contact Domingo Carrizales at (432) 580-8500.

Sincerely, Homing (av

Domingo Carrizales District Engineer

cc: NMOCD/Hobbs; BLM/ Carlsbad

District I 1625 N. French Drive, Hobbs, NM 88240

District II 811 S. First St., Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 87410

District IV

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

State of New Mexico Energy, Minerals and Natural Resources Department Form C-107A Revised August 1, 2011

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION TYPE Single Well Establish Pre-Approved Pools **EXISTING WELLBORE** _Yes _ <u>X</u> No

APPLICATION FOR	DOWNHOLE	COMMINGLING
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Resaca	Operating	Company	
reouted	operading	company	

1221 Lamor Street Sui	to 1450	0	Llouston	TV 77010-
1331 Lamar Street, Sui	1430	0	Houston,	TX 77010

Oil Conservation Division

Resaca Operating Company		1331 Lamar Street, Suite 1450	Houston, TX 77010
OperatorCooper Jal Unit129		Address F-19-24S-37E	Lea
Lease	Well No.	Unit Letter-Section-Township-Ra	ange County

Lease Type: <u>X</u> Federal _ OGRID No. <u>263848</u> Property Code <u>306443</u> API No. <u>30-025-11152</u> State Fee

DATA ELEMENT	UPPER ZONE		INTE	RMEDIATE Z	ONE	LO	WER ZONE	
Pool Name	Jalmat					I	anglie Mattix	
Poor Name	22820						25240	
Pool Code	33820						37240	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Not Completed Yet					No	t Completed Yet	
Method of Production (Flowing or Artificial Lift)	Artificial Lift						Artificial Lift	
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)								
Oil Gravity or Gas BTU (Degree API or Gas BTU)	37.7 Degree API					31	7.7 Degree 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 estimates and supporting data.)	Date: Rates:		Date: Rates:			Date: Rates:		
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.)	%	%		%	%		%	.%

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 <u>X</u> Yes	No No
Are all produced fluids from all commingled zones compatible with each other?	Yes X	No
Will commingling decrease the value of production?	Yes	No <u>X</u>
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	No <u>X</u>
NMOCD Reference Case No. applicable 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-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 t	hat the information above is true and	d complete to t	he best of my knowledge ar	nd belief.		
	MP	-	, ,			
SIGNATURE	MAT	TITLE	Engineer Assistant	DATE	1/12/2012	

TYPE OR PRINT NAME

Melanie Reyes

E-MAIL ADDRESS melanie.reyes@resacaexploitation.com

TELEPHONE NO. (<u>432</u>)

580-8500

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Form 3160-5 (August 2007) UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT					FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010 5. Lease Serial No.			
Type of Well	Do not use this	form for proposals to	o drill or to re-	enter an		If Indian, Allottee o	r Tribe Name		
Control C		IT IN TRIPLICATE - Other i	instructions on pag	ie 2.		-			
2. Name of Operator Resized Operation Resized Operation Resized Operation Resized Operator		Well Other			8.	Well Name and No.	Ω		
3a. Address 1b. Phone No. (include area code) 1D. Field and Food Topological Yarea 3ata Lane diver, Suite H400 Hourteen, TX 7700 (22) 580-8500 1D. Field and Food Topological Yarea 3b. Location of Well (Pfoodage, Sec. T.R.M., or Swrap Description) 1D. Cattery of Well (Pfoodage, Sec. T.R.M., and Swrap Description) 1D. Cattery of Well (Pfoodage, Sec. T.R.M., and Swrap Description) 1D. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA TYPE OF SUBMISSION Activity of Parish, State 1D. Notice of Intent Activity of Parish, State Inter Cosing Projection (Start/Resure) Water Shuk-Off 13. Usersite Propued of Completed Opention: Clearly State all pertinent details, including estimated stating date of any proposed work and approximate duration floated in the Inter State of the involved operations. The operation results in a multiple completion of the involved operations. The operation results in a multiple completion of the involved operations. The operation results in a multiple completion or nompletion and the file dates of any proposed work and approximate duration floated activity operation the Coll Construction and the operation in a sub-file completion or nompletion and the involved operations. The operation results in a multiple completion or nompletion and the involved operations. The operation results in a multiple completion or nompletion and the Indonemonent Notice in the operation in a sub-file date of any proposed work and the file date of a provide for Pormit to Re-Entar Media. Notice and the Middle Report Parish. State All file date of any proposed for Pormit to Re-Entar Media. Notice and t	2. Name of Operator					·			
1331 Lamar Shoul, Gulde 1450 Houston, TX 77010 [432] 580-8500 Jahmat/ Langlie Matfix 4. Location of Well (Process, Soc., T. R.M., or Survey Description) Lis Cutury of Parkin, Suite Las County, NM 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA TYPE OF SUBMISSION Lis County of Parkins Image: Notice of Jatent Anter Casing Practure Treat Recomplete Water Shuc-Off Subsequent Report Casing Repair New Construction Temperarity Atandon Oromingle Subsequent Report Casing Repair New Construction Recomplete Online Downhole Construction Casing Repair Pregram New Construction Recomplete Online Downhole Subsequent Report Casing Repair Pregram Atandon Temperarity Atandon Oromingle 13. Describe Proposed or Cumpleted Operation: Clearly state all periment details, including estimated starting date of any proposed work and approximate duration thereof the proposal is to depen dimetry with Will be offending or provide the Boat No off file with MMAH. Required abuse parter reports must be field on with D estimation and well with the offending of the origit of final inspection. The origit of the origit of the origit of file abuse the file within D days filterowing completion of the unorthed and the prevention subs file doid on the one W TD @ 3700'. Partiter abuse abuse the			3h Phone No (inch	uda araa coda			Evaloratory Area		
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Melanie Reyes Title Engineer Assistant Signature Date 01/24/2012 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Title Date Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify nat the applicant holds legal or equitable title to those rights in the subject lease which would ntitle the applicant to conduct operations thereon. Date Citet 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any falititious or fraudulent statements or representations as to any matter within its jurisdiction.	following completion of the involv testing has been completed. Final determined that the site is ready fo Purpose: This well has currently be Clean out well to current	work will be performed or prov ved operations. If the operatio Abandonment Notices must be or final inspection.) een approved for Permit to F TD @ 3670'. Drill new hole	n results in a multiple e filed only after all n Re-Enter. Resaca e to new TD @ 373	n file with BLN e completion of requirements, intends to Re 10'. Perforate	M/BIA. Requor recompletion including recompletions and the second	irred subsequent rep on in a new interval lamation, have been Drill out all cemer	orts must be filed within 30 days , a Form 3160-4 must be filed once completed and the operator has nt plugs & CIBP @ 2975'.		
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UL or lot no. Section Township	Range		Lot Idn Fe	el from the	North/South line	Feet from the	East/Wes	it line	County
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PROPOSED WELLBORE SCHEMATIC

Operator Well Name: Well Location: Calls Unit Section Township Range

Resaca Operating Co Cooper Jal #129

1650' FNL, 1587' FWL

F 19

· 245 37E

DV Tool Depth (ft) Amount Cement (sx) Top of Cement (ft) TOC Method. 5 Top (ft) Bottom (ft) --!

Surface Casing

Hole Size (m). Casing Size (in) Casing Weight (ppf) Setting Depth (ft). Amount Cement (sx) Top of Cement (ft). TOC Method

Unknown 8 5/8 Unknown 330 175 Unknown

Unknown 100 Unknown

Production Tubing

Tubing Size (in) 2 7/8 Tubing Weight (ppf). 65 TAC Depth (ft) 3000 Setting Depth (ft) 3000 Perforations

> 3018 🥇 3372

Production Casing

Hole Size (in)	Unknown
Casing Size (in)	5 1/2
Casing Weight (ppf)	Unknown
Setting Depth (ft)	3386
Amount Cement (sx)	200
Top of Cement (ft)	Unknown
TOC Method	

	ţ
Open Hole	
Hole Size (in)	4 3/4
Top (ft)	3386
Bottom (ft).	3730

perf sqz holes @ 1300' sqz 50 sx cmt

perf sqz holes @ 400' sqz 155 sx cmt, circulated to surface

Total Depth (ft)

3730