DATE	١.	2	8	0	5	SUSI
DAME	īN.					. 303

ENGINEER S

DS 600533320

# NEW MEXICO OIL CONSERVATION DIVISION

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



		Al	DMINISTRATIVE API	PLICATION CHECKLIST	
THIS	S CHECKLI	ST IS MAND		LICATIONS FOR EXCEPTIONS TO DIVISION RUI T THE DIVISION LEVEL IN SANTA FE	LES AND REGULATIONS
Applica	[DH	on-Stand C-Downh [PC-Pool [W	nole Commingling] [CTB-Lease i Commingling] [OLS - Off-Leas (FX-Waterflood Expansion] [PM [SWD-Salt Water Disposal] [	d Proration Unit] [SD-Simultaneous   Commingling] [PLC-Pool/Lease Cor se Storage] [OLM-Off-Lease Measur X-Pressure Maintenance Expansion] Pl-Injection Pressure Increase] ification] [PPR-Positive Production I	nmingling] ement]      Response]
[1]	TYPE (		LICATION - Check Those Whick Location - Spacing Unit - Simulta NSL NSP SD	n Apply for [A] Reous Dedication	CEIVED V 2 8 2005
		[B] (	ne Only for [B] or [C] Commingling - Storage - Measure DHC	ement  PC OLS OLM	V 2 8 2005 NSERVATION
		[C] I	njection - Disposal - Pressure Inc. WFX PMX SW		
		[D] (	Other: Specify		4
[21	NOTIF		N REQUIRED TO: - Check The  ✓ Working, Royalty or Overrid	ose Which Apply, or Does Not Appling Royalty Interest Owners	у
		[B] [	Offset Operators, Leaseholde	ers or Surface Owner	
		[C]	Application is One Which Re	equires Published Legal Notice	
		[D]	Notification and/or Concurre U.S. Bureau of Land Management - Commiss	nt Approval by BLM or SLO	
	-	[E] [	For all of the above, Proof of	Notification or Publication is Attache	ed, and/or,
		[F]	Waivers are Attached		
[31			JRATE AND COMPLETE INF ION INDICATED ABOVE.	ORMATION REQUIRED TO PRO	OCESS THE TYPE
[41 approv applica	al is acci	u <mark>rate</mark> and		rmation submitted with this application when the submitted with that no action are submitted to the Division.	
		Note: Sta	tement must be completed by an indiv	idual with managerial and/or supervisory ca	pacity.
	7. Sherrell		Signature W. S.	Production Clerk	11/4/2005
Print or	Type Nan	ne	Signature U	Title ·	Date
				jerrys@mackenergycorp.co	m

District I 1621 N. French Drive, Hobbs, NM 88240

### District 11

1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 874 1 0

## **District IV**

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

E-MAIL ADDRESS jerrys@mackenergycorp.com

### State of New Mexico Energy, Minerals and Natural Resources Department

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

APPLICATION TYPE

X Single Well X Establish Pre-Approved Pools EXISTING WELLBORE X Yes No

Form C-107A

Revised June 10, 2003

APPLICATION FOR DOWNHOLE COMMINGLING

Mack Energy Corporation				Artesia, NM 882	11-0960			
Operator			lress			<b>-</b> .		
Tenneco State  Lease	Well No.	M-20-1	7S-29E Section-Township	n-Range		Edc Count	<del></del>	_
OGRID No. 013837 Property Co			•	Lease Type:	Federal		•	ee.
DATA ELEMENT	UPP	ER ZONE	INTERM	EDIATE ZONE	I	LOWER Z	ONE	
Pool Name	Grayburg Jac	ckson SR Q G SA			Empire;	Yeso Eas	t	
PoolCode	28509				96610			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2287-3743				3861-41	49		
Method of Production (Flowing or Artificial Lift)  Bottomhole Pressure	Artificial Li	ift			Artificia	ıl Lift		
(Note: Pressure data will not be required ifthe bottom perforation in the lower zone is within 150% ofthe depth of the top perforation in the upper zone)								
Oil Gravity or Gas BTU (Degree API or Gas BTU)	37.1				37.7			
Producing, Shut-In or New Zone	New Zone				Produci	ng		
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history,	Date:		Date:		Date: 8	3/31/2005		_
applicant shall be required to attach production estimates and supporting data.)	Rates:		Rates:		Rates:	12/66/18		
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data or explanation will be required.)	oil	Gas % %	Oil	Gas	oil	%	Gas	%
		ADDITIO	NAL DATA					
Are all working, royalty and overriding If not, have all working, royalty and ov						Yes	No_ No	
Are all produced fluids from all commi	ingled zones co	ompatible with each	other?			YesX	No_	
Will commingling decrease the value of	of production?					Yes	No_X	
If this well is on, or communitized with or the United States Bureau of Land M						Yes	No_	
NMOCD Reference Case No. applicab	le to this well:							
Attachments: C- 1 02 for each zone to be comming Production curve for each zone for For zones with no production histor Data to support allocation method Notification list of working, royalty Any additional statements, data or	at least one yeary, estimated por formula.  y and overridir	ear. (If not available, production rates and any royalty interests for	attach explanar supporting data or uncommon ir	tion.)				
		PRE-APPRO	OVED POOL	<u>.s</u>				
If application is	s to establish P	re-Approved Pools,	he following ad	lditional information	will be requ	ired:		
List of other orders approving downho List of all operators within the propose Proof that all operators within the prop Bottornhole pressure data.	ed Pre-Approve	ed Pools						
I hereby certify that the informatio	n above is tri	ue and complete to	the best of m	y knowledge and b	elief			_
SIGNATURE / Luy W	1 Shew	TITLE Pr	oduction Cle	rk	DATE_	11/4/2005		
TYPE OR PRINT NAMEJerry W	. Sherrell		TF	ELEPHONE NO (	505 \	748-1288		

State of New Mexico Energy, Minerals and Natural Resources Department

**Oil Conservation Division** 

Form C-107A Revised June 10, 2003

District 11

1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 874 1 0

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

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

E-MAIL ADDRESS jerrys@mackenergycorp.com

APPLICATION TYPE

APPLICATION FOR DOWNHOLE COMMINGLING

	2 L1 L 4-1		TON LILL
	_	X	Single Well
X	Establish Pre-	App	roved Pools
	EXISTIN	IG W	ELLBORE
:	X	Yes	No

Mack Energy Corporation				0, Artesia, NM 882	11-0960				
Operator Tenneco State	2	Add M-20-17				Eddy			
Lease	Well No.		Section-Towns	ship-Range	:	County			
OGRID No. 013837 Property Co	de <u>22547</u> AP	I No. <u>30-015</u>	5-30861	Lease Type:	Federal	X State	Fee		
DATA ELEMENT	UPPER ZO	ONE	INTER	MEDIATE ZONE	1	LOWER ZONE			
Pool Name	Grayburg Jackson S	Empire;	Yeso East						
PoolCode	28509								
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2286-3774				3870-41	54			
Method of Production (Flowing or Artificial Lift)	Artificial Lift				Artificia	ıl 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)	37.1				37.7				
Producing, Shut-In or New Zone	New Zone				Produci	ng			
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: Date:				Date: 8/31/2005				
estimates and supporting data.)	Rates:		Rates:		Rates:	Rates: 12/66/18			
Fixed Allocation Percentage (Note: If allocation is based upon something other	oil	Gas	Oil	Gas	oil	C	ias		
than current or put production, supporting data or explanation will be required.)	%	%		ψ <sub>0</sub>	6	%	i		
		ADDITIO	NAL DAT	<u> </u>					
Are all working, royalty and overriding If not, have all working, royalty and over						Yes X Yes	No		
Are all produced fluids from all comm	ingled zones compatib	ole with each	other?			YesX	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 M	•					Yes	_ No		
NMOCD Reference Case No. applicab	le to this well:								
Attachments: C- 1 02 for each zone to be commin Production curve for each zone for For zones with no production histo Data to support allocation method Notification list of working, royalt Any additional statements, data or	at least one year. (If a ry, estimated production formula.  y and overriding royal	not available, ion rates and s lty interests fo	attach expla supporting da or uncommor	nation.) ita.					
	<u></u>	PRE-APPRO	OVED POO	DLS					
If application is	to establish Pre-Appr	roved Pools, t	he following	additional information	will be requ	ired:			
List of other orders approving downho List of all operators within the propose Proof that all operators within the prop Bottornhole pressure data.	d Pre-Approved Pools	s							
I hereby certify that the information		complete to	the best of	my knowledge and b	elief				
SIGNATURE Jeny W.	Shavell	TITLEPre	oduction C	lerk	DATE_	11/4/2005			
TYPE OR PRINT NAME Jerry W	. Sherrell			TELEPHONE NO. (	505 )	748-1288			

District 11

District I 1621 N. French Drive, Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 874 1 0

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

E-MAIL ADDRESS jerrys@mackenergycorp.com

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

### **Oil Conservation Division**

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

APPLICATION TYPE

**District IV** 

APPLICATION FOR DOWNHOLE COMMINGLING

	AFFI	LICAII	ONTIFE
		$X_{S}$	ingle Well
X	Establish Pr	e-Appro	oved Pools
	EXIST	NG WE	ELLBORE
ł	X	Yes	No

Mack Energy Corporation				, Artesia, NM 8821	1-0960		
Operator Townson State	2	Add				Eddy	
Tenneco State Lease	Well No.	M-20-17 Unit Letter-	Section-Towns	hip-Range		Eddy County	
OGRID No. 013837 Property Co	de <u>22547</u>	API No. <u>30-015</u>	5-31480	Lease Type:	Federal X	State _	Fee
DATA ELEMENT	UPPER	ZONE	INTER	MEDIATE ZONE	LOWER ZONE		
Pool Name	Grayburg Jackson	n SR Q G SA			Empire; Yes	so East	
PoolCode	28509		96610				
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2291-3766				3873-4224		
Method of Production (Flowing or Artificial Lift)	Artificial Lift				Artificial Li	ft	
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)	37.1				37.7		
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	action history, Date: Date:				Date: 8/31/2005		
estimates and supporting data.)				Rates: <u>5/30/9</u>			
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data or explanation will be required.)	oil %	Gas	Oil	Gas	oil	Ga %	ıs %
	1	ADDITIO	NAL DATA				
Are all working, royalty and overriding If not, have all working, royalty and over					Ye. Ye	s <u>X</u>	No
Are all produced fluids from all comm	ingled zones compa	atible with each	other?		Ye	s <u>X</u>	No
Will commingling decrease the value of	of production?				Ye	s	No <u>X</u>
If this well is on, or communitized with or the United States Bureau of Land M					Ye	s	No
NMOCD Reference Case No. applicab	le to this well:				<del></del>		
Attachments: C- 1 02 for each zone to be comming Production curve for each zone for For zones with no production histor Data to support allocation method Notification list of working, royalt Any additional statements, data or	at least one year. ( ory, estimated produ or formula. y and overriding ro	(If not available, action rates and sayalty interests for	attach explai supporting da or uncommon	nation.) ta.			
		PRE-APPRO	OVED POO	<u>ols</u>			
If application is	s to establish Pre-A	pproved Pools, t	he following	additional information v	will be required:		
List of other orders approving downho List of all operators within the propose Proof that all operators within the prop Bottornhole pressure data.	ed Pre-Approved Po	ools					
I hereby certify that the information	n above is true a	nd complete to	the best of	my knowledge and be	elief		
SIGNATURE Jeny W.	Shevell	TITLEPr	oduction Cl	erk	DATE 11/4	/2005	
TYPE OR PRINT NAME Jerry W	. Sherrell		7	ELEPHONE NO. (	505 ) 748	-1288	

# State of New Mexico

Form C-107A Revised June 10, 2003

District 11

1301 W. Grand Ave

District III
1000 Rio Brazos Road, Aztec, NM 874 1 0

District IV

Energy, Minerals and Natural Resources Department

#### **Oil Conservation Division**

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

APPLICATION TYPE X Single Well X Establish Pre-Approved Pools **EXISTING WELLBORE** 

APPLICATION FOR DOWNHOLE COMMINGLING X Yes \_\_\_No 1220 S. St Francis Dr., Santa Fe, NM 87505 P.O. Box 960, Artesia, NM 88211-0960 Mack Energy Corporation Address Operator M-20-17S-29E Eddy Tenneco State Well No. Unit Letter-Section-Township-Range County API No. 30-015-32242 OGRID No. 013837 Property Code 22547 Federal X State Lease Type: LOWER ZONE DATA ELEMENT **UPPER ZONE** INTERMEDIATE ZONE Empire; Yeso East Grayburg Jackson SR Q G SA **Pool Name** 96610 28509 PoolCode Top and Bottom of Pay Section 2290-3752 3864-4136 (Perforated or Open-Hole Interval) Method of Production Artificial Lift Artificial Lift (Flowing or Artificial Lift) Bottomhole Pressure (Note: Pressure data will not be required ifthe bottom perforation in the lower zone is within 150% ofthe depth of the top perforation in the upper zone) Oil Gravity or Gas BTU (Degree API or Gas BTU) 37.7 37.1 Producing, Shut-In or Producing New Zone New Zone Date and Oil/Gas/Water Rates of Last Production.
(Note: For new zones with no production history, Date: 8/31/2005 Date: Date: applicant shall be required to attach production estimates and supporting data.) Rates: 6/34/10 Rates: Rates: oil Fixed Allocation Percentage (Note: If allocation is based upon something other Oil Gas Gas Gas than current or put 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? \_ No\_ Are all produced fluids from all commingled zones compatible with each other?  $N_0X$ Will commingling decrease the value of production? If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands \_\_ No\_\_ or the United States Bureau of Land Management been notified in writing of this application? NMOCD Reference Case No. applicable to this well: Attachments: C- 1 02 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.

Bottornhole pressure data.

I hereby certify that the information above is true and c	complete to the best of my knowledge and	belief
SIGNATURE Juny W. Shenell	TITLE Production Clerk	DATE 11/4/2005
TYPE OR PRINT NAME Jerry W. Sherrell	TELEPHONE NO. (	505 ) 748-1288
E-MAIL ADDRESS jerrys@mackenergycorp.com		

DISTRICT I
P.O. New 1000, Hobbs, NM 88841-1080

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994
Submit to Appropriate District Office

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DISTRICT II P.A. Brewer ND. Artesia, NO. 88211-0719

DISTRICT III

# OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV P.O. Box 2008, Santa Fe, NM 87504-2088

1000 Rio Brazos Rd., Astec, NM 87410

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Poel Code	Pool Name				
30-0/5-30603 96610 Eas		East Empire Yeso				
Property Code	Proj	Property Name				
022547	TENNE	TENNECO STATE				
OGRID No.	Орег	Operator Name				
013837	MACK ENERG	MACK ENERGY CORPORATION				

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
М	20	17 S	29 E		330	SOUTH	330	WEST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section.	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or	infill Co	msolidation (	ode Or	der No.				
40					•				

<del>/</del>	OR A	NON-STANI	DARD UNIT	HAS	BEEN	APPROVED	BY TH	E DIVISION
								OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my invosledge and beitef.
			. <del></del>		    -  -			Signature Carta
					1	. •		Crissa D. Carter Printed Name  Production Clerk Title 1/22/98
				· · ·	-			SURVEYOR CERTIFICATION  I hereby certify that the well location shown
					1     			on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
					- <del> </del> - <del> </del> -			JANUARY 6, 1998  Date Surveys 1998  Signature 6 Sie Folking 1998  From ME Control 1998
330.					     			Month 5 20005
iogg iogg					<u> </u>			Contribute No. RONAL SEIDSON, 3239

DISTRICT I P.O. Box 1980, Hobbs, NM 86241-1980 State of New Mexico

Energy, Minarals and Natural Resources Departm

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DISTRICT II P.O. Preser DR, Artesia, EM 88211-0719

DISTRICT III

1000 Rio Brasos Rd., Asteo, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV P.O. Box 2068, Santa Fe, NM 87504-2058

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-304	Pool Code 28509	Pool Code Pool Name 28509 Grayburg Jackson SR				
Property Code 022547		Property Name TENNECO STATE				
<b>OGRID No.</b> 013837	· · · · · · · · · · · · · · · · · · ·	Operator Name ERGY CORPORATION	Revation 3635			

#### Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	Rast/West line	County
М	20	17 S	29 E		330	SOUTH	330	WEST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Post from the	North/South line	Feet from the	East/West line	County
Dedicated Acre	Joint a	r Infill Co	nsolidation (	ode Or	der No.				
40	<u> </u>								

	OR A NON-SIAN	DARD UNIT HAS BE	EN AFFRUVED BI II	TE DIVISION
			 	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	· 	ļ 	   	Signature De Carta
			 	Crissa D. Carter Printed Name  Production Clerk Title  1/22/98
			 	SURVEYOR CERTIFICATION  I hereby certify that the well location shown
				on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.  JANUARY 6, 1998
			       	Date Surveyed  Signature & Seat
330			 	CANDIDATE NO. RONALD FIDSON. 3239  CANDIDATE NO. RONALD FIDSON. 12041  PROFESSION REDONALD. 12185

RICT II

Drawer DD, Artesia, NM 88211-0719

## State of New Mexico

Energy, Minerals and Natural Resources Department

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

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DISTRICT III 1000 Rio Brazos Rd., Astec, NM 87410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87604-2088

#### OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe. New Mexico 87504-2088

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name				
30-015-30861	96610	East Empire Yeso				
Property Code		erty Name	Well Number			
022547	TENNE	TENNECO STATE				
OGRID No.		ator Name	Elevation			
013837	MACK ENERG	Y CORPORATION	3632			

#### Surface Location

-	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	М	20	17 S	29E		990	SOUTH	940	WEST	EDDY

#### Bottom Hole Location If Different From Surface

[	L or	1	ot	N	о.	Section	Town	hip	Range	Lot Idi	Feet from the	North/South line	Feet from the	East/West line	County
-	Dedic	at	ed	1 4	cre	s Joint	or Infill	Con	nsolidation (	Code	Order No.				
		4(	0												

		OPERATOR CERTIFICATION
	1	I hereby certify the the information
1		contained herein is true and complete to the
		best of my knowledge and ballef.
		Signature Cate
		Crissa D. Carter
		Production Analyst
		12/8/99 Date
	1.	SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was plotted from field notes of ectual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
		Date Surveyed J. E/O
340'		100 100 100 100 100 100 100 100 100 100
The same of the sa		Certificate No Revise LEDSON 3239 POFE SAID RESON 12641 101111111111111111111111111111111111

#### State of New Mexico Energy, Minerals and Natural Resources Department

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

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Drawer DD, Artesia, NM 88211-0719 DISTRICT III 1000 Rio Brazos Rd., Astec, NM 87410

RICT II

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87604-2088

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name		
30-015-30861	28509	-G-SA		
Property Code	Prope	rty Name	Well Number	
022547	TENNE	CO STATE	2	
OGRID No.	Opera	tor Name	Elevation	
013837	MACK ENERGY	Y CORPORATION	3632	
	Surfac	ee Location		

		_	ation	14	7.7				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	20	17 S	29E		990	SOUTH	940	WEST	EDDY

### Bottom Hole Location If Different From Surface

	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Ì										
1	Dedicated Acres	Joint o	r Infill Co	nsolidation (	ode Ore	der No.				
	40			·						

		OPERATOR CERTIFICATION
		I hereby certify the the information contained herein is true and complete to the best of my knowledge and ballet.
		Signature Carta
		_Crissa D. Carter Printed Name
	'	Production Analyst
		12/8/99 Date
	]	SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervisen, and that the same is true and correct to the best of my belief.
		NOVEMBER 23, 1999  Date Surveyed J. E. LMP  Signature & Scal of Surveyor.
066		100 100 100 100 100 100 100 100 100 100
		Certification ROFE CARD CONSON 12641  ROFE CARD COSON 12641  12185

# AICT I

# State of New Mexico

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

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## OISTRICT II

#### DISTRICT III 1960 Rio Brance Rd., Astec, NM 87410

DISTRICT IV P.O. Best 2006, Santa Fc. NK 87504-2068

### OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number			Pool Code			Pool Name		
	30-015-3148	<i>?O</i>		28509	Q-G-SA				
	Property Code 022547		Property Name TENNECO STATE						
	ogrid no. 013837			MAC	Operator Nam K ENERGY CC			Elevatio 3631	n
		Surface Location							
Γ	UL or lot No. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	M 20	17 S	., 29° E	) [	330	SOUTH	990	WEST	EDDY
4.7			Bottom	Hole Loc	nation If Diffe	rent From Sur	face		

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation (	Code Or	der No.				

		 <del></del>
		OPERATOR CERTIFICATION
	<u> </u> 	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	 	Signature Casa Cake
		Crissa D. Carter Printed Name
		Production Analyst  Title
		 SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was plotted from field notes of actual euroeye made by me or under my supervison and that the same is true and correct to the best of my belief.
		NOVEMBER 16, 2000  Date Surveyed JLP
<u> </u>	+	 Signature & Seal of Professional Surveyor
	! 	Konald & Wan 11/20/00 W.O. Num. 00-11-1442
990 - 0		Certificate No. RONALD J. EIDSON, 3239 GARY G. EIDSON, 12641

EICT I Am 1000, Hobba, Mr 80041-1900



### 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

W.O. Num. 00-11-1442

Certificate No. RONALD J. EIDSON, GARY G. EIDSON,

12641

POISTRICT II

9901

DISTRICT III 1000 Rie Brasce Rd., Astec, NM 87410 OIL CONSERVATION DIVISION
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. BENTA Fe, NM 87504-2088

☐ AMENDED REPORT

0. Box 2056, Santa	PO, RE UIV		WELL LO	CATION	AND ACREA	GE DEDICATION	ON PLAT			
API Number				Pool Code			Pool Name			
30-015	-314	80	9	96610	10 East Empire Yeso					
Property Co					Property Nam			Well Num	ber	
022547					TENNECO S			3		
OGRID No.				1440	Operator Nam			Elevation 7.0.7.1	<b>D</b> .	
013837	r i w			MACI	K ENERGY CO	TRPUKATION		3631		
					Surface Loc				<del>,</del> .	
3 3000	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
M	20	17 S	29 E		330	SOUTH	990	WEST	EDD	
	1. 1		Bottom	Hole Loc	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
, , , , , è						·				
Dedicated Acres	Joint o	r Infill Co	nsolidation (	Code Or	der No.			·		
40										
						JNTIL ALL INTER APPROVED BY	OPERATO  I hereb contained herei	OR CERTIFICAT  ny certify the the in  n is true and compl  wledge and beitef.	TION formation	
. <u> </u>	    +			<del> </del> 	   		Signature	Carter	L	
		,					Printed Nam			
	<del>-</del> +	·	· · · · · · · · · · · · · · · · · · ·	l			SURVEYO	OR CERTIFICAT	NOF	
							on this plat w octual surveys supervison as correct to th	y that the well locates plotted from field made by me or and that the same is to best of my believe ER 16, 2000	l notes of under my true and	
<b></b>	+     	·			+-   		Date Surveyor Signature & Professional	Seal of	JL 00/00	

CT I 6 1980, Hobbs, NK 86241-1960

A Drawer DD, Artesia, NK 88211-0719



### State of New Mexico

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## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Ric Brazos Bd., Astec., NM 67410
DISTRICT IV

Strict II

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

### WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

30-015-32242	Pool Code 28509	Pool Name Grayburg Jackson S	R-Q-G-SA
Property Code 022547		ty Name O STATE	Well Number 4
OGRED No. 013837	-	or Name CORPORATION	Elevation 3647'

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	· 20	17-S	29-E		990	SOUTH	330 ~	WEST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section Town	ship Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infil	Consolidation	Code Or	der No.			ļ ,	<u> </u>

	OPERATOR CERTIFICATION
	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	Signature Carl
SPC NME NAD 1927	Crissa D. Carter Printed Name
Y=660454.58 X=570449.43 LAT.= 32*48*55.68*N LONG.= 104*06*14.47*W	Production Analyst Tiue 4/2/2002 Date
	SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
3330	MARCH 21, 2002  Date Surveyed William AWB  Signature D sent of the profession of the
	Certificate No. RONALD PIDSON 3239  Continue Profession 12641



## State of New Mexico

Bnergy, Minerals and Natural Resources Dep

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

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#### district II d Descrie DD, Artonia, NM 66211-0719

DISTRICT IV

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION

DISTRICT III 1000 Rio Brazos Rd., Astec. NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

	.O. BOX 2088, SANTA FE, N.M. 87504-2088	WELL LOCATION AND	ACKEAGE DEDICATION	AMENDED REPORT			
ſ	API Number	Pool Code	Pool Name				
	30-015-32242	96610	East	Empire Yeso			
Ì	Property Code		perty Name	Well Number			
1	022547	TENNI	4				
t	OGRID No.	•	rator Name	Elevation			
	013837	MACK ENERG	GY CORPORATION	3647'			

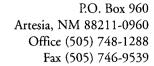
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	. 20	17-S	29-E		990	SOUTH	330	WEST	EDDY

#### Bottom Hole Location If Different From Surface

Dedicated Acres Joint or Infill Consolidation Code Order No.	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1 40 1	1	Joint or	Infill Co	nsolidation (	Code Ore	ier No.				

	OPERATOR CERTIFICATION
	I hereby certify the the information contained herein is true and complete to the
	best of my knowledge and belief.
	Signature D. Call
SPC NME NAD 1927	Crissa D. Carter Printed Name
Y=660454.58 X=570449.43 LAT.= 32*48*55.68*N	Production Analyst
LONG.= 104°06'14.47"W	4/2/2002 Date
	SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
	MARCH 21, 2002
330	MARCH 21, 2002  Date Surveyed Million AWB  Signature D staff Of Million MEX.  MEX.  Date Surveyed Of Million MEX.  MEX.  D2.17.02 FG.
	Certificate No. RONALD ZIDSON 3239  GARY ZIDSON 12641  GARY ZIDSON 12641





November 4, 2005

Oil Conservation Division Attn: Will Jones 1220 South St. Francis Dr. Santa Fe. NM 87505

Re:

Downhole Commingling, and measurement of

Hydrocarbon Production for: Tenneco State #1,2,3,4 Section 20, T17S, R29E Eddy County, New Mexico

Mack Energy Corporation as operator of the aforementioned (4) wells respectfully requests administrative approval for down hole commingling and measurement of production.

Mack Energy proposes to commingle Grayburg Jackson SR-Q-G-SA and Empire Yeso East production in the Tenneco State wells (State of NM Lease E-7640). Production of both pools will be measured at the Tenneco State TB located in the SW/4 SW/4, Sec. 20 T17S R29E. This lease has common interest in both pools. Notification has been made to all parties owning an interest in this lease, including the oil purchaser, of the intent to commingle. Testing will be conducted and allocation percentages will be sent to OCD after completion of these wells. These wells have produced for some time from the Yeso formation. The subtraction method will be used to allocate production based on increased production from the San Andres formation.

Should you require any additional information concerning this application, please call Jerry W. Sherrell at the above number. Thank you for your consideration of this request.

Sincerely,

MACK ENERGY CORPORATION

Jerry W. Sherrell Production Clerk

jerrys@mackenergycorp.com

JWS/ Enclosures

#### SIGNATURE PAGE

The undersigned approves of Mack Energy Corporation's request to Downhole Commingle the following pools. Grayburg Jackson; SR-Q-G-SA and the Empire Yeso East in the Tenneco State wells #1,2,3,4 Sec 20 T17S R29E.

T	enneco	State	Lease	<b>DHC</b>	Approv	al
	CHILCO				TEPPEO	•••

CHASE OIL CORPORATION				
By: Robert C. Chase, President	Date: 11/7/2005			
ROBERT C. CHASE				
By: Robert C. Chase	Date: 11/7/2005			
RICHARD LACHASE				
By: Manual Acceleration Richard L. Chase	Date: //-7-05			
GERENE DIANNE CHASE CROUCH				
Dealing in her sole and separate property				
Rebecca S. Ericson, Attorney-in-Fact	Date: 11-7-05			
ERICSON REVOCABLE TRUST				
By Jeheus J. Creism Rebecca S. Ericson, Trustee	Date: //-7-05			
STACI SANDERS				
By: Staci Sanders	Date: 11.7-05			
H ANTHONY HALL				
By: H Anthony Hall	Date: //- 7 - 05			

### CHARLOTTE GLEGHORN

By: Charlotte Gleghorn  Charlotte Gleghorn	Date: 11/7/05				
JOHN M. KING					
By: John M. King	Date: /// 1/06				
BILL W. CHASE					
By: Bill W. Chase	Date: 1/-16-2005				
BUCKHORN ENTERBRISES					
J. Thomas Brewer, President	Date: 11/14/05				
STEPHEN L. GEORGE					
By: Stephen L. George	Date: _//-9-05				
MATT J. BREWER					
By Matt Brewer  Matt Brewer	Date: ///04/55				
MARK BREWER					
By: Mark Brewer	Date: _ //- 04- 05				
CRISSA D. CARTER					
By: Crissa D. Carter	Date: 11/4/05				