LOGGED IN

06

TYPE DHC

jerrys@mackenergycorp.com

e-mail Address

APP NO. pTDSO615658768

ABOVE THIS LINE FOR DIVISION USE ONLY

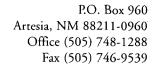
## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -





## ADMINISTRATIVE APPLICATION CHECKLIST THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE **Application Acronyms:** [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measuremer [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] **ISWD-Salt Water Disposall [IPI-Injection Pressure Increase]** [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] S **TYPE OF APPLICATION** - Check Those Which Apply for [A] [1] Location - Spacing Unit - Simultaneous Dedication [A] NSL □ NSP [ SD Check One Only for [B] or [C] Commingling - Storage - Measurement T PC **OLM** DHC CTB PLC □ OLS Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] [D] Other: Specify [21 **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or \( \subseteq \text{Does Not Apply} \) Working, Royalty or Overriding Royalty Interest Owners [A] [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 For all of the above, Proof of Notification or Publication is Attached, and/or, [E] [F]Waivers are Attached SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [31 OF APPLICATION INDICATED ABOVE. CERTIFICATION: I hereby certify that the information submitted with this application for administrative [41 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. Jerry W. Shenall Production Clerk Title Jerry W. Sherrell 6/2/2006 Print or Type Name





June 2, 2006

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

Re: Downhole Commingling, and measurement of

Hydrocarbon Production for: Pawnee State #1,2,3,4 Section 16, T17S, R30E Eddy County, New Mexico

Mack Energy contract operator for COG Operating LLC respectfully requests administrative approval for down hole commingling and measurement of production for the above mentioned lease.

COG proposes to commingle Grayburg Jackson; SR-Q-G-SA(28509) and Loco Hills Paddock(96718) production in the Pawnee State wells(Lease VB-71). Production of both pools will be measured at the Pawnee State Tank Battery located in the SW/4 NE/4 Sec. 16 T17S R30E. 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 of the new wells will be conducted and allocation percentages will be sent to OCD after completion of these wells. The subtraction method will be used to allocate production on the producing wells based on increased production from the GB-SA formations.

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

Shevell

Jerry W. Sherrell Production Clerk

jerrys@mackenergycorp.com

JWS/

**Enclosures** 

District I

District 11

District III

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

TYPE OR PRINT NAMEJerry W. Sherrell

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

Revised June 10, 2003 APPLICATION TYPE

Form C-107A

X\_\_Single Well X Establish Pre-Approved Pools **EXISTING WELLBORE** X Yes No

## APPLICATION FOR DOWNHOLE COMMINGLING

COG Operating LLC 550 W. Texas, Suite 1300 Midland, TX 79701 Operator Address Pawnee State G-16-17S-30E Eddy Well No. Unit Letter-Section-Township-Range County API No. 30-015-30591 OGRID No. <u>229137</u> Property Code <u>30</u>2540 Federal X Lease Type: State DATA ELEMENT UPPER ZONE INTERMEDIATE ZONE LOWER ZONÉ Grayburg Jackson SR Q G SA Loco Hills Paddock Pool Name 28509 PoolCode Top and Bottom of Pay Section 2500-4200' 4334-4556' (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) 38.1 38.1 Producing, Shut-In or New Zone Producing New Zone Date and Oil/Gas/Water Rates of Last Production.
(Note: For new zones with no production history, Date: 2/2006 Date: Date: applicant shall be required to attach production Rates: 9/37/45 estimates and supporting data.) Rates: oil oil Gas Oil Gas Gas Fixed Allocation Percentage (Note: If allocation is based upon something other 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: 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 complete to the best of my knowledge and belief Verry W. Shenell TITLE Production Clerk \_\_\_\_DATE\_6/1/2006

TELEPHONE NO. ( 505 ) 748-1288

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

Form C-107A Revised June 10, 2003

District 11

1301 W. Grand Avenue, Artesia, NM 88210

District III
I000 Rio Brazos Road, Aztec, NM 874 1 0

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

E-MAIL ADDRESS jerrys@mackenergycorp.com

**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

APPLICATION FOR DOWNHOLE COMMINGLING

COG Operating LLC		0 W. Texas, Suite 1300 Midland	i, TX 79701							
Operator	Addi		F11							
Pawnee State Lease	2 G-16-17 Well No. Unit Letter-S	S-30E Section-Township-Range	Eddy County							
			·							
OGRID No. 229137 Property Co	de 302340 API No. 30-013	-31368 Lease Type:	Federal X StateFee							
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE							
Pool Name	Loco Hills Paddock									
PoolCode	28509		96718							
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2500-4200'		4349-4733'							
Method of Production (Flowing or Artificial Lift)	Artificial Lift		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)		1								
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38.1		38.1							
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:	Date:	Date: 2/2006  Rates: 8/34/40							
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data of explanation will be required.)	oil Gas	Oil Gas	01l Gas							
	ADDITIO	NAL DATA								
	-		Yes X No							
Are all working, royalty and overriding If not, have all working, royalty and ov		•	Yes No							
Are all produced fluids from all commi	ngled zones compatible with each of	other?	Yes X No							
Will commingling decrease the value o	f production?		YesNoX							
If this well is on, or communitized with or the United States Bureau of Land M.			Yes No							
NMOCD Reference Case No. applicable	le to this well:									
Production curve for each zone for For zones with no production histo Data to support allocation method Notification list of working, royalty										
	PRE-APPRO	OVED POOLS								
If application is	to establish Pre-Approved Pools, the	he following additional information w	ill 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.	d Pre-Approved Pools	• •								
I hereby certify that the informatio	n above is true and complete to	the best of my knowledge and bel	ief							
_ 1	1 -1	oduction Clerk	DATE 6/2/2006							
TYPE OR PRINT NAME Jerry W	. Sherrell	TELEPHONE NO. (	505 ) 748-1288							

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

Energy, Minerals and Natural Resources Department

## **Oil Conservation Division**

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

APPLICATION TYPE

APPLICATION FOR DOWNHOLE COMMINGLING

	X_Single Well
X	Establish Pre-Approved Pools
	EXISTING WELLBORE
	Yes <u>X</u> No

COG Operating LLC	. 55	50 W. Texas, Suite 1300 Midlan	d, TX 79701							
Operator  Decrease a Charte	Add:	,	Eddy							
Pawnee State Lease	3 G-16-17 Well No. Unit Letter-5	Section-Township-Range	County							
OGRID No. 229137 Property Co	de <u>302540</u> API No. <u>30-015</u>	5-34883 Lease Type:	Federal X StateFee							
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE							
Pool Name	Loco Hills Paddock									
PoolCode	28509		96718							
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2500-4200'		4350-5600'							
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)	38.1		38.1							
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:	Date:	Date:							
estimates and supporting data.)	Rates:	Rates:	Rates:							
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data or	oil Gas	Oil Gas	0il Gas							
explanation will be required.)	76 76	70 70								
	<u>ADDITIO</u>	NAL DATA								
Are all working, royalty and overriding If not, have all working, royalty and over	g royalty interests identical in all convertiding royalty interest owners because	mmingled zones? en notified by certified mail?	Yes							
Are all produced fluids from all comm	ingled zones compatible with each of	other?	YesX No							
Will commingling decrease the value of	of production?		YesNoX							
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:		<u> </u>							
Attachments:  C- I 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-APPRO	OVED POOLS								
If application is	s to establish Pre-Approved Pools, t	he following additional information w	/ill be required:							
List of other orders approving downloc List of all operators within the propose Proof that all operators within the prop Bottornhole pressure data.	ed Pre-Approved Pools	••								
I hereby certify that the information	1 -1	•	lief							
SIGNATURE Jeny L	J. Sherold TITLE Pro	oduction Clerk	DATE 6/2/2006							
TYPE OR PRINT NAME Jerry W	'. Sherrell	TELEPHONE NO. (_	505 ) 748-1288							
E-MAIL ADDRESS jerrys@macl	cenergycorp.com									

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

State of New Mexico

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

Energy, Minerals and Natural Resources Department

## Oil Conservation Division

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

APPLICATION FOR DOWNHOLE COMMINGLING

	THE ELECTRICATE AT L
	X Single Well
X	Establish Pre-Approved Pools
	EXISTING WELLBORE
	$\underline{\hspace{1cm}}$ Yes $\underline{X}$ No

COG Operating LLC	55	50 W. Texas, Suite 1300 Midland	d, TX 79701
Operator	Add	ress	
Pawnee State	4 G-16-17		Eddy
Lease	Well No. Unit Letter-S	Section-Township-Range	County
OGRID No. 229137 Property Co	de <u>302540</u> API No. <u>30-015</u>	5-34884 Lease Type:	Federal X StateFee
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Loco Hills Paddock		
PoolCode	28509		96718
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2500-4200'		4350-5600'
Method of Production (Flowing or Artificial Lift)  Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the	Artificial Lift		Artificial Lift
depth of the top perforation in the upper zone)  Oil Gravity or Gas BTU			
(Degree API or Gas BTU)	38.1		38.1
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:	Date:	Date:
estimates and supporting data.)	Rates:	Rates:	Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data or	oil Gas	Oil Gas	oil Gas
explanation will be required.)	% %	% %	% %
	<u>ADDITIO</u>	NAL DATA	
Are all working, royalty and overriding If not, have all working, royalty and over			Yes No Yes No
Are all produced fluids from all comm	ingled zones compatible with each of	other?	Yes <u>X</u> 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:		
Production curve for each zone for For zones with no production histo Data to support allocation method Notification list of working, royalt	ngled showing its spacing unit and act at least one year. (If not available, ory, estimated production rates and sor formula.  y and overriding royalty interests for documents required to support com	attach explanation.) supporting data. or uncommon interest cases.	
	PRE-APPRO	OVED POOLS	
If application is	s to establish Pre-Approved Pools, the	he following additional information w	ill be required:
List of other orders approving downhot List of all operators within the propose Proof that all operators within the propose Bottornhole pressure data.	ed Pre-Approved Pools		
I hereby certify that the information			
SIGNATURE Jeny h	1. Shenell TITLE Pro	oduction Clerk	DATE 6/2/2006
TYPE OR PRINT NAME Jerry W			
E-MAIL ADDRESS jerrys@mack	cenergycorp.com		

1980. Hobbs. NM 88241-1980



## State of New Mexico

Energy, Minerals and Natural Resources Der

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

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#### DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

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

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

## 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			
30-015-30591	96718	96718 Loco Hills Paddock			
Property Code 302540	-	Property Name PAWNEE STATE			
ogrid No. 329137		ator Name erating LLC	Elevation 3676		

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	17 S	30 E		2185	NORTH	1600	EAST	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 o	r Infill Co	nsolidation (	Code Ore	der No.	<u> </u>			<b>L</b>

SIGNED TO THIS COMPLETION ON-STANDARD UNIT HAS BEE		IS HAVE BEEN CONSOLIDATED DIVISION
		OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
2185' -		Mell   Brewer  Signature   Brewer
	1600'	Printed Name  Geological Engineer Title 2/23/99 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 supervison, and that the same is true and correct to the best of my belief.
		Date Surveyed E/D DMCC Signature & Soal of Solution Professional Surveyor 1
		Certificate No. RONALD 3 EDSON 3239 12641 12185



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

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

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-30591	Pool Code 28509	on SR QGSA		
Property Code 302540	Prop PAWN	Well Number		
ogrid No. 329137		erating LLC	Elevation 3676	

#### Surface Location

ł	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	G	16	17 S	30 E		2185	NORTH	1600	EAST	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 o	r Infill Co	nsolidation (	Code Ore	der No.	l	I	L	

## NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STAN	DARD UNIT HAS BEEN APPROVED BY T	HE DIVISION
		OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	2185' -	Matt J. Brewer Printed Name
	1600'	Geological Engineer Title 2/23/99 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 supervison and that the same is true and correct to the best of my belief.
		FEBRUARY 12, 1999  Date Surveyed E/D DMCC Signature & Seal pt O DMCC Professional Surveyor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Certificate No. BONNIO 9 EIDSON 3239  NOTE SHOWN 12641  1011 1011 1011 1011 1011 1011 1011 1

RICT I

.o. Box 1980, Hobba, NX 86241-1980

## State of New Mexico

Energy, Minerals and Natural Resources Department

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Revised February 10, 1994
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DISTRICT III 1000 Rio Brance Ed., Artec, NM 87410

## OIL CONSERVATION DIVISION

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

CI AMENDED REPORT

DISTRICT IV P.O. Box 2068, Santa Fe, NM 87604-2066

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-0/5-3/368	Pool Code 28509	Grayburg Jackson SR QG SA			
Property Code 302540	PA	Well Number 2			
OGRED No. 229/37	_	perator Name erating LLC	Klevation 3680		
	C	dona Inantian			

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	17 S	30 E		1650	NORTH	2290	EAST	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
1				<b>.</b>					<u> </u>	
ſ	Dedicated Acres   Joint or		r Infill Co	nsolidation	Code Or	der No.				
1	40									

1650'	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature
2290'-	Crissa D. Carter Printed Name Production Analyst True /0/4/00 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.  SEPTEMBER 22, 2000  Date Surveyed  JLP
	Signature & Seal of Professional Surveyor  W.O. Num. 00-11-1176  Certificate Na. RONOLO J. EIDSON, 3239  CER GARY G. EIDSON, 12641

RICT I 3. Box 1980, Hobbs, NY 88241-1980

### State of New Mexico

Energy, Minerals and Natural Resources Department

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Revised February 10, 1994
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DISTRICT II P.O. Drawer DD, Artesia, NIK 68811-6719

DISTRICT III 1000 Rio Brazos Rd., Astec, 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 87604-2068

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-0/5-3/368	Pool Code 96718	Pool Name  Loco Hills Paddock	
Property Code 302540	-	ty Name Well Number E STATE 2	•
OGRID No. 229/37	Operat COG Opera	r Name Klevation 3680	

#### Surface Location

	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ļ	G	16	17 S	30 E		1650	NORTH	2290	EAST	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   Consolidation Code   Order No.									
40									

	1650'	2290'	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my brauledge and belief.  Signature  Crissa D. Carter  Printed Name  Production Analyst  Title  //////  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.
			SEPTEMBER 22, 2000  Date Surveyed  Signature & Seal of Professional Surveyor  W.O. Norm 00-11-1176  Certificate No. ROND J. EDSON, 3239  CFE GARY G. EIDSON, 12641

DISTRICT I 1626 N. PRENCE DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
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DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
WELL LOCATION AND ACREAGE DEDICATION PLAT
1220 S. ST. FRANCIS DR., SANTA FR. NM 87505

☐ AMENDED REPORT

API Number	Pool Code	Pool Name			
30-015-34883	28509	Grayburg Jackson SR Q G SA			
Property Code	Prope	Well Number			
302540	PAWNE	3			
OGRID No.	-	tor Name	Elevation		
229137	COG OPEI	RATING LLC	3687		

#### Surface Location

-	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	G	16	17-S	30-E		1650	NORTH	1650	EAST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres   Joint or Infill   Co.		nsolidation (	Code Or	der No.					
40									

 OR A NON-STANDARD UNIT	HAS BEEN APPROVED BY	THE DIVISION
GEODETIC COORDINATES NAD 27 NME  Y=6684*9.2 N  X=610696.5 E  LAT.=32*50'13.68" N LONG.=103*58'23.60" W	1650'	OPERATOR CERTIFICATION  I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling order heretofore entered by the division.  Signature Date  Jerry W. Sherrell  Printed Name  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 supervision, and that the same is true and correct to the best of my belief.
		MAY 18, 2006  Date Survexed MR  Signature of Seal of D  Professional Surveyor  ME  Certificate No. CARY EDSON 12841  RONALD J EDSON 3239

#### DISTRICT I 1625 N. PRENCH DR., HOBBS, NM 86240

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

OIL CONSERVATION DIVISION



Form C-102

Submit to Appropriate District Office

## State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

Revised October 12, 2005

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FR, NM 87505	WELL LOCATION AND ACF	REAGE DEDICATION PLAT	□ AMENDED REPORT
API Number	Pool Code	Pool Name	
30-015-34883	96718	Loco Hills Paddo	ck
Property Code	Property	Name	Well Number
302540	PAWNEE	STATE	3
OGRID No.	Operator		Elevation
229137	COG OPERA'	FING LLC	3687'

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	17-S	30-E		1650	NORTH	1650	EAST	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   Consolidation Code					der No.	<del></del>	<u> </u>	L	
40									

	ARD UNIT HAS BEEN APPROVED B	of the pivision
GEODETIC COO NAD 27 / Y=668419 X=610696 LAT.=32*50'1. LONG.=103*58'	NME 0.2 N 5.5 E	OPERATOR CERTIFICATION  I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.    Jerry W. Sherrell   Printed Name      Surveyor Certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
		MAY 18, 2006  Date Surveyed MR  Signature & Seal of Professional Surveyor 5/26/06  O6.11.0858  Certificate No. GARY RIDSON 12841  RONALD J. FIDSON 3239

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102 Revised October 12, 2005

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3684'

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

229137

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505	WELL LOCATION AND	ACREAGE DEDICATION PLAT	□ AMENDED REPORT
API Number	Pool Code		
30-015-34884	28509	G SA	
Property Code	Prop	erty Name	Well Number
302540	PAWNI	EE STATE	4
OGRID No.	Oper	ator Name	Elevation

# COG OPERATING LLC Surface Location

1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	G	16	17-S	30-E		2115	NORTH	1970	EAST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Townshi	ip Ra	nge	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	17S	3	OE		2310	NORTH	2310	EAST	EDDY
Dedicated Acres	Dedicated Acres   Joint or Infill   Consolidation Code		de Ore	ler No.				·		
40										

 OR A NON-STANDARD UNIT HAS BEEN APPROVE	D BY THE DIVISION
BH4	OPERATOR CERTIFICATION  I hereby certify that the information berein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.    Angle   Section   Date   Date
GEODETIC COORDINATES  NAD 27 NME  Y=667983.7 N  X=610288.1 E	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 supervision, and that the same is true and correct to the best of my belief.
LAT. =32*50'09.09" N LONG. = 103*58'27.35" W	MAY 18, 2006  Date Surveyed MR  Signature & Seal of Professional Surveyor  ME  O6.17.0859  Certificate No. Gary Erison 12841  RONALD 1 FIDSON 3239

#### DISTRICT I 1625 N. PRENCH DR., HOBBS, NM 86240

## State of New Mexico

Energy, Minerals and Natural Resources Department



DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

## OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office

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

DISTRICT IV

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505		ACKEAGE DEDICATION TEAT	□ AMENDED REPORT		
API Number	Pool Code	Pool Name			
30-015-34884	96718	Loco Hills Paddoc	ldock		
Property Code	Pro	perty Name	Well Number		
302540	PAWN	EE STATE	4		
OGRID No.		rator Name	Elevation		
229137	COG OPI	ERATING LLC	3684'		

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	17-S	30-E		2115	NORTH	1970	EAST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Townshi	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	17S	30E		2310	NORTH	2310	EAST	EDDY
Dedicated Acres	Joint o	r Infill	Consolidation (	Code Or	der No.	•			
40									

	OR A NON-STANDARD UNIT HAS BEEN APPROVED BY	Y THE DIVISION
	2115'	OPERATOR CERTIFICATION  I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	BHL 1970'	Signature Date  Jerry W. Sherrell  Printed Name  SURVEYOR CERTIFICATION
	GEODETIC COORDINATES  NAD 27 NME  Y=667983.7 N  X=610288.1 E	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 supervision, and that the same is true and correct to the best of my belief.
	LAT. = 32*50'09.09" N LONG. = 103*58'27.35" W	MAY 18, 2006  Date Surveyed MR  Signature & Seal of Professional Surveyor  ME  O6.11.0859  Certificate No. GARY EBSON 12641  RONALD J. EIDSON 3239