्यो	28 OB SUSPEN		371952298	
	SUSPEN	SE ENGINEER LOGGED IN TYPE 32 APP NO.		]
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -		
		1220 South St. Francis Drive, Santa Fe, NM 87505		
		ADMINISTRATIVE APPLICATION CHECKLIST		—
т		IANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AN	D REGULATIONS	
Appli	cation Acronym	WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE		
	[DHC-Dow [PC-Po	ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedi nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commi ool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measureme [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] lified Enhanced Oil Recovery Certification] [PPR-Positive Production Resp	ngling] nt]	
[1]	TYPE OF AI	PLICATION - Check Those Which Apply for [A]		
	[A]	Location - Spacing Unit - Simultaneous Dedication		
	Check [B]	Cone Only for [B] or [C] Commingling - Storage - Measurement		
	[D]	$\square$ DHC $\square$ CTB $\square$ PLC $\square$ PC $\square$ OLS $\square$ OLM		
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery	RE(	
	[D]	Other: Specify	NY	,
[2]	NOTIFICAT	<b>ION REQUIRED TO:</b> - Check Those Which Apply, or 🛛 Does Not Apply	P P	
r_1	[A]	Working, Royalty or Overriding Royalty Interest Owners		
	[B]	Offset Operators, Leaseholders or Surface Owner	56	•
	[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	l/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.

Kanicia Carrillo Print or Type Name

Kici	Regulatory Analyst	04/17/08
Signature	Title	Date

kcarrillo@conchoresources.com e-mail Address



April 24, 2008

# RECEIVED 2008 APR 28 PM 1 56

New Mexico Oil Conservation Division Attn: Will Jones 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Request for Down Hole Commingling and Measurement of Hydrocarbon Production for: White Oak State #5 Eddy County, NM API # 30-015-31347

> Pools: (96210) Empire; Glorieta-Yeso (51300) Red Lake; Queen-Grayburg-SA

Dear Mr. Jones,

COG Operating LLC as operator of the above mentioned wells respectfully requests approval for down hole commingling and measurement of production.

COG proposes to commingle production from the above mentioned pools. Production will be measured at the White Oak State #5 battery located in the NE/4 NE/4, Section 23, T17S, R28E. The lease has common interest in both pools. Testing will be conducted and allocation percentages will be sent to OCD after completion of this well. The percentages will be used to allocate production based on increased production from the Grayburg/San Andres formation.

Please contact me at 432-685-4332 or e-mail at <u>kcarrillo@conchoresources.com</u> if you need additional information.

Thank you for your attention in this matter.

Sincerely,

COG Operating LLC

Kanicia Carrillo Regulatory Analyst

Attachments:

C-107A's and C-102's for both formations

, Submit 3 Copies To Appropriate District	State	e of New Me	exico		Form C-103
Office District I			ral Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II				WELL API NO.	-015-31347
1301 W. Grand Ave., Artesia, NM 88210		ERVATION		5. Indicate Type	
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410		outh St. Fran			FEE
District IV	Sant	ta Fe, NM 87	/505	6. State Oil & G	as Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505					
SUNDRY NOT		7. Lease Name of	or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC				WHITE	OAK STATE
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well 🗌 Othe	r		8. Well Number	
2. Name of Operator				9. OGRID Num	ber
CC	OG Operating LLC	2	· · · · · ·		229137
3. Address of Operator	- 1200	Midland	TV 70704	10. Pool name o	
550 W. Texas Ave., Suit	e 1300	Midland,	1X /9/01	EIVIPIRE; GL	ORIETA-YESO 96210
4. Well Location	000 fact from th	. North 1	ing and 220	fact from the	East line
Unit Letter <u>A</u> : Section <b>23</b>	<u>990</u> feet from th Towns		ine and <u>330</u> Range <b>28E</b>	feet from the NMPM	<u>East</u> line County EDDY
Section 23			RKB, RT, GR, etc.,		
		3707			
Pit or Below-grade Tank Application 🗌 o					
Pit type <u>DRILLING</u> Depth to Groun					arest surface water <u>1000'</u>
Pit Liner Thickness: 12 mil	Below-Grade Tank: V	olume	bbls; Constructio	on Material	
12. Check A	Appropriate Box 1	to Indicate N	ature of Notice,	Report or Othe	r Data
NOTICE OF IN	TENTION TO-		SUB	SEQUENT RE	PORT OF
PERFORM REMEDIAL WORK	PLUG AND ABAN	DON	REMEDIAL WOR		
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRI	LLING OPNS.	P AND A
PULL OR ALTER CASING	MULTIPLE COMP	νL 🗌	CASING/CEMEN	ТЈОВ	
OTHER: Recomplete to SA a	ind DHC SA w/ Yeso		OTHER:		
13. Describe proposed or comp	leted operations. (C	learly state all			
of starting any proposed we or recompletion.	rk). SEE RULE 110	03. For Multip	le Completions: At	tach wellbore diag	ram of proposed completion
COG Operating LLC proposes to rec	complete to the SA a	s follows:			
	•				
MIRU pulling unit. POOH w/ pump, 36 holes. RIH w/ 4-1/2" RBP and R <sup>2</sup>					
RIH w/ $4$ -1/2" PPI to 2852'. Acidize					
sand. RIH w/ 124jts 2-3/8" tbg, SN	@ 4008'. RIH w/ ne	w 2"x1-1/2"x2	0' RHTC trash pur	ip.	•
COG proposes to down hole commin				e; Queen-Grayburg	y-SA, (51300).
Commingling will not reduce the val The proposed intervals are as follow		ining productio	n.		
	2495' – 2852.5'				
1 2	3750' – 4023'				
Percentages to be determined after co Ownership in all zones is the same.	ompletion.				
s mersing in an zones is the suffer.					
I hereby certify that the information grade tank has been/will be constructed or	above is true and con closed according to NM	mplete to the b OCD guidelines	est of my knowledg ⊠, a general permit □	e and belief. I furtl or an (attached) alter	ner certify that any pit or below- native OCD-approved plan .
SIGNATURE	·	τιτι f	Regulatory Anal	vst	DATE 04/16/08
	rillo E-mail addres	s: <b>kcarrillo@</b>	conchoresource	s.com Telepho	ne No. 432-685-4332
For State Use Only					
APPROVED BY:		TITLE		-	DATE
Conditions of Approval (if any):					

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised June 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number			<sup>2</sup> Pool Code	<sup>3</sup> Pool Name						
30-0	17		51300	Red Lake; Queen-Grayburg						
<sup>4</sup> Property Co				<sup>5</sup> Property N	lame		<sup>6</sup> V	<sup>6</sup> Well Number		
302584					White Oak	State			5	
<sup>7</sup> OGRID No	).				<sup>8</sup> Operator <b>?</b>	Name			<sup>9</sup> Elevation	
229137				COG OPERATING LLC					3707	
					<sup>10</sup> Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn					County	
A	23	17S	28E		990	North	330	East	Eddy	
			<sup>11</sup> Bc	ottom Ho	le Location If	f Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint of	r Infill   <sup>14</sup> Co	onsolidation	Code <sup>15</sup> Or	der No.					
40										

#### NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		<sup>17</sup> OPERATOR CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Kanicia Carrillo
		Printed Name Regulatory Analyst Title and E-mail Address 04/17/08 Date
		<sup>18</sup> 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. Referred Original Survey
		Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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## State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Revised June 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

#### AMENDED REPORT

<sup>1</sup> API Number				<sup>2</sup> Pool Code		<sup>3</sup> Pool Name				
30-	<b>1</b> 7		96210 Empire; Glorieta-Yeso							
<sup>4</sup> Property C		•		<sup>5</sup> Property 1	Name			<sup>6</sup> W	ell Number	
302584					White Oak	State			5	
<sup>7</sup> OGRID M	No.				<sup>8</sup> Operator	Name			9	Elevation
229137					COG OPERAT	ING LLC			3707	
<sup>10</sup> Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
A	23	17S	28E		990	North	330	East		Eddy
<u> </u>		********	п Вс	ottom Hole	e Location I	f Different Fror	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	he East/West line		County
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint o	r Infill <sup>14</sup> Co	nsolidation	Code 15 Orde	er No.					
40										

## NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	5066 °← 330	Signature         Kanicia Carrillo         Printed Name         Regulatory Analyst         Title and E-mail Address         04/17/08
		<sup>18</sup> 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. Referred Original Survey Date of Survey
		Signature and Seal of Professional Surveyor:

District 1			New Mexic			orm C-107A
1625 N. French Drive, Hobbs, NM 88240 District II	Energy, Miner	rals and Na	Revised J	June 10, 2003		
1301 W. Grand Avenue, Artesia, NM 88210	0	il Conse	rvation ]	Division	APPLICA	TION TYPE
District III 1000 Rio Brazos Road, Aztec, NM 87410			uth St. Fran		Establish Pre-Ap	_Single Well
District IV		Santa Fe, N	.0 8/505		WELLBORE	
1220 S. St. Francis Dr., Santa Fe, NM 87505	APPLICATION	I FOR DO	WNHOL	E COMMINGLING	Ye	sNo
				a Dul -	4032)	<u> </u>
COG OPERATING LLC		<u>550 W. To</u>	 exas. Suite	580	Midland, TX 7970	1
Operator			dress			<u> </u>
White Oak State	5			17S, R-28E	Eddy	
Lease	Well No.	Unit Letter-	Section-Tow	nship-Range	Count	у .
OGRID No. 229137 Property Co	ode <u>302584</u> API	No. <u>30-0</u>	15-31347	Lease Type: _	Federal√_Sta	iteFee
DATA ELEMENT	UPPER ZO	NE ES	INTE	RMEDIATE-ZŐNE	LOWER Z	ONE
Pool Name	Red Lake; Queen-Gr (Oil)	ayburg-SA	Emp	ire; Glorieta-Yeso (Oil)		
	51300			96210		
Pool Code	2495 - 2852	) 5		3750 - 4023		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2493 - 2632	2.5		5750 - 4025		
Method of Production (Flowing or Artificial Lift)	Pump			Pump		
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)						
Producing, Shut-In or New Zone	New Zone	2		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: 2/24/06 Oil/Gas/Wa Rates: 7/ 6 / 6	ter	Date: Rates:	10/01/05 Oil/ Gas /Water 2 / 8 /25	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.)	78%	43%	22%	57%	%	%
		<u>ADDITIO</u>	NAL DAT	Γ <u>A</u>		
Are all working, royalty and overriding If not, have all working, royalty and over					Yes <u>√</u> Yes	No No
Are all produced fluids from all commi	ngled zones compatibl	e with each	other?		Yes√	No
Will commingling decrease the value of	f production?				Yes	No √

If this well is on, or o	communitized with,	state or federal	lands, has e	ither the Co	ommissioner o	of Public Lands
or the United States I	Bureau of Land Mar	nagement been r	notified in w	vriting of th	nis application	?

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

Yes\_\_\_\_ No\_\_√\_\_\_

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.

SIGNATURE		Regulatory Analyst	DATE	04/24/08
TYPE OR PRINT NAME	Kanicia Carrillo	TELEPHONE NO. (		685-4332
E-MAIL ADDRESS	kcarrillo@conchoresources.com			