<del>ر</del>		
DATE IN	11-7-12 SUSPE	NSE 11-27 ENGINEER DB LOGGED IN 11-7 TYPE NSL PAPP NO. DB LOGGED IN 11-7
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505 COB Tumak Fed #
	· · · · · · · · · · · · · · · · · · ·	ADMINISTRATIVE APPLICATION CHECKLIST (77)
Tł	HIS CHECKLIST IS N	MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS CT S WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appli	[DHC-Dow [PC-P	andard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] vnhole 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] alified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF A [A]	PPLICATION - Check Those Which Apply for [A]         Location - Spacing Unit - Simultaneous Dedication         NSL         NSP         SD         k One Only for [B] or [C]
	Chec [B]	⋈ NSL       NSP       SD         k One Only for [B] or [C]
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D]	Other: Specify
[2]	• <b>NOTIFICA</b> ] [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply INTEREST ARE THE SAME 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]		CCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF

CERTIFICATION: I hereby certify that the information submitted with this application for administrative [4] 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.

	1/00	جرف د	•	
Kelly J. Holly	V(A)	*	Darmaittin - Taal	11-10-17
		- · · ·	Permitting Tech	
Print or Type Name	Signature		Title	Date
	0			
	·			

(432) 685-4384 Phone Number

kholly@concho.com E-mail Address

#### Tumak Federal #1 Eddy County, NM

## COG proposes to drill a <u>VERTICAL</u> SW/4 SW/4, 40 acre spacing Empire;Glorieta-Yeso oil well TD of approximately 5200'

#### Location:

#### 1024' FSL & 305' FWL Sec 14, T17S, R28E, Unit M

#### This well had to be drilled at a non-standard location due to an electric line too close to original location.

The plan for this well is to complete it in the Yeso formation. We won't know the exact perfs until we drill & log it, but it will be very similar to the Kool Aid State #3 (2160' FNL & 2310' FEL, Section 24, T17S, R28E, UL G) which was completed in March 2009.

The Kool Aid State #3 completion has Yeso perfs from 4280' – 5070', divided into 3 perf/stimulation intervals.

1<sup>st</sup> interval: 4280' – 4480', acidized w/ 2500 gals, frac w/ 111,450 gal Slvr Stm gel, 140,141# White, & 33,172# CRC.

2<sup>nd</sup> interval: 4590' – 4790', acidized w/ 2500 gals, frac w/ 112,168 gal Slvr Stm gel, 132,583# White, & 34,283# CRC.

3<sup>rd</sup> interval: 4870' – 5070', acidized w/ 2500 gals, frac w/ 115,495 gal Slvr Stm gel, 143,285# White, & 36,640# CRC.

#### Attachment 1

Plat & map

#### Attachment 2

Map & legend of offset wells.

#### Attachment 3

Updated land plat showing COG Operating LLC acreage. The acreage we are encroaching is Unit L of Section 14 and Units I & P of Section 15.

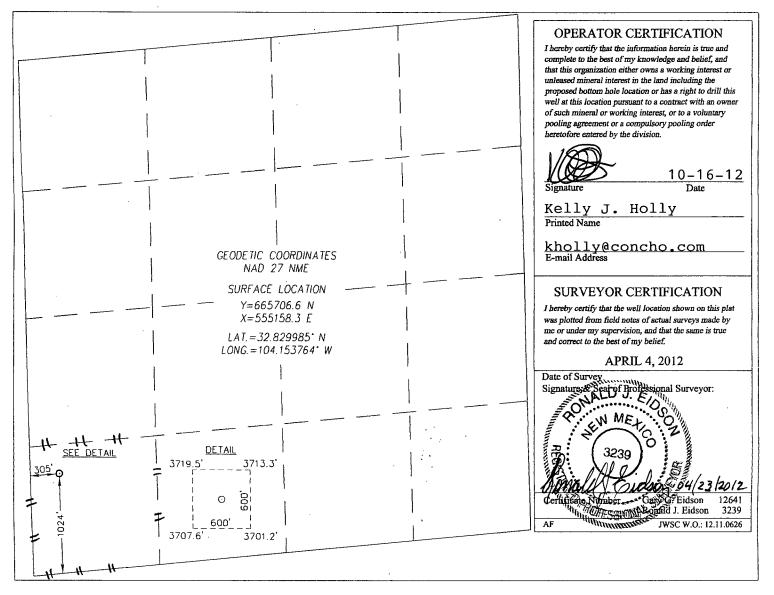
Offset acreage is owned by Muchison Oil & Gas, Chase Oil, Mark Wilson Family, Boling Enterprises and ML Boling.

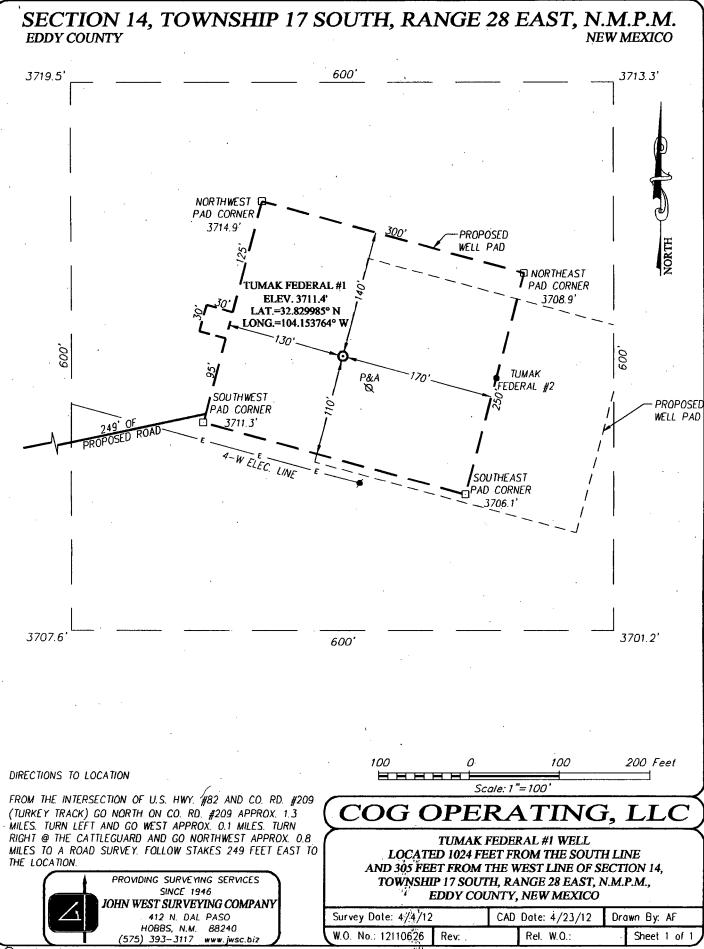
Proof of Notification is enclosed.

COG Operating LLC respectfully requests permission to have this NSL approved.

DISTRICT I 1625 N. French Dr., Hob Phone: (575) 393-6161 I DISTRICT II 811 S. First St., Artesia, 1 Phone: (575) 748-1283 F DISTRICT III 1000 Rio Brazos Road, A Phone: (505) 334-6178 F DISTRICT IV 1220 S. S. Francis Dr., S Phone: (505) 476-3460 F	Fax: (575) 393-4 NM 88210 ax: (575) 748-9 Aztec, NM 8741 ax: (505) 334-6 Santa Fe, NM 87	0720 0 1170 7505	OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505								Submit or	Form C-102 evised August 1, 2011 ne copy to appropriate District Office IENDED REPORT
		W	EL	L LOCA	TIO	N A	ND ACRE	AGE DEDIC.	ATION PLA	Т		
AP	'I Number				Pool Co	ode		••	Pool Nam	ne		,
30-015-	-40463			9	9621	0	1	Empire; Glo	orieta Ye	so		
Property Co	ode			Property Name							Well Number	
				TUMAK FEDERAL							1	
OGRID N	0.			Operator Name							Elevation	
229137				COG OPERATING, LLC							3711'	
		·					Surface Loca	tion	·····		<b>1</b>	
UL or lot No.	Section	Towns	hip	Range	Lot	Idn	Feet from the	North/South line	Feet from the	East	t/West line	County
М	14	17-	5	28-E			1024	SOUTH	305	V	VEST	EDDY
<u> </u>					Bottor	n Hol	e Location If Dif	ferent From Surface	4- <u></u>	- <b>I</b>		
UL or lot No.	Section	Towns	hip	Range	Lot	Idn	Feet from the	North/South line	Feet from the	East	/West line	County
Dedicated Acres	Joint or	Infili	C	onsolidation C	ode	Ord	ler No.		1	.l		l
40								· •				
40	1	1			•							

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





C ABEL \2012 \COG OPERATING, LLC \Wells

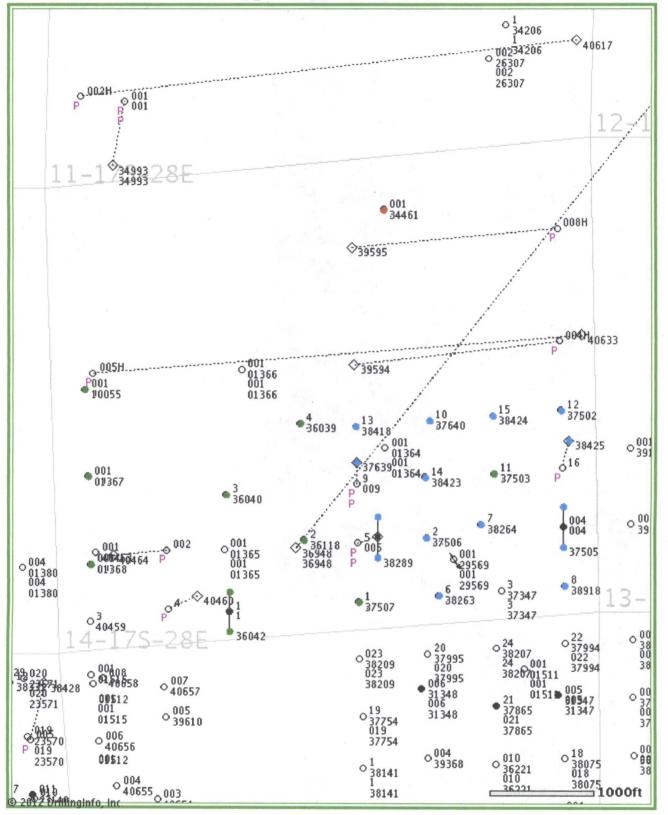
# Producing wells in Sec 14, T17S, R28E

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Prac. IP (MCF/D)
30-015-01367	HANSON OPERATING	SCHRAM FEDERAL	001	EDDY	S:14, T:17S, R:28E	2,220	PO	Pumping	Oct 1962	Mar 2008	0.00
30-015-01368	MACK ENERGY CORP	WELCH FEDERAL	001	EDDY	S:14, T:17S, R:28E	0	PO	Pumping	Dec 1961	Nov 1995	0.00
30-015-10055	HANSON OPERATING	H AND K FEDERAL	001	EDDY	S:14, T:17S, R:28E	2,198	0	Active	Jan 1963	Nov 2001	0.00
30-015-38263	COG OPERATING LLC	FIRECRACKER STATE	6	EDDY	S:14, T:17S, R:28E	5,260	O	Active Permit	Mar 2011	Jul 2012	0.17
30-015-38423	COG OPERATING LLC	FIRECRACKER STATE	14	EDDY	S:14, T:17S, R:28E	5,255	0	Active Permit	Jun 2011	Jul 2012	4.39
30-015-36042		BLACK CAT FEDERAL	1	EDDY	S:14, T:17S, R:28E	5,800	· PO	Active Permit	Mar 2008	Apr 2008	30.23
30-015-36042	MACK ENERGY CORP	BLACK CAT FEDERAL	1	EDDY	S:14, T:17S, R:28E	5,800	PO	Active Permit	Mar 2008	Jul 2012	30.23
30-015-38418	COG OPERATING LLC	FIRECRACKER STATE	13	EDDY	S:14, T:17S, R:28E	5,269	0	Active Permit	May 2011	Jul 2012	35.43
30-015-38425	COG OPERATING LLC	FIRECRACKER STATE	16	EDDY	S:14, T:17S, R:28E	5,303	0	Active Permit	May 2011	Jul 2012	39.27
30-015-37507	COG OPERATING LLC	FIRECRAKER STATE	1	EDDY	S:14, T:17S, R:28E	5,435	0	Active Permit	Jun 2010	Jul 2012	42.29
30-015-37640	COG OPERATING LLC	FIRECRACKER STATE	10	EDDY	S:14, T:17S, R:28E	5,414	0	Active Permit	Sep 2010	Jul 2012	42.97
30-015-38918	COG OPERATING LLC	FIRECRACKER STATE	8	EDDY	S:14, T:17S, R:28E	5,325	· o	Active Permit	May 2011	Jul 2012	50.63
30-015-37503	COG OPERATING LLC	FIRECRAKER STATE	11	EDDY	S:14, T:17S, R:28E	5,428	0	Active Permit	Aug 2010	Jul 2012	52.13
30-015-38424	COG OPERATING LLC	FIRECRACKER STATE	15	EDDY	S:14, T:17S, R:28E	5,270	0	Active Permit	Apr 2011	Jul 2012	52.23
30-015-37506	COG OPERATING LLC	FIRECRAKER STATE	2	EDDY	S:14, T:17S, R:28E	5,405	0	Active Permit	Aug 2011	Jul 2012	54.27
30-015-37502	COG OPERATING LLC	FIRECRAKER STATE	12	EDDY	S:14, T:17S, R:28E	5,403	0	Active Permit	Jan 2011	Jul 2012	62.86
30-015-36039	MACK ENERGY CORP	BLACK CAT FEDERAL	4	EDDY	S:14, T:17S, R:28E	5,193	0	Active Permit	Oct 2008	Jul 2012	65.90
30-015-37505	COG OPERATING LLC	FIRECRACKER STATE	004	EDDY	S:14, T:17S, R:28E	5,399	U	Active Permit	Sep 2011	Oct 2011	96.52
30-015-37505	COG OPERATING LLC	FIRECRAKER STATE	004	EDDY	S:14, T:17S, R:28E	5,399	U	Active Permit	Sep 2011	Jul 2012	96.52
30-015-38289	COG OPERATING LLC	FIRECRACKER STATE	5	EDDY	S:14, T:17S, R:28E	5,420	U	Active Permit	Oct 2011	Nov 2011	108.57
30-015-38289	COG OPERATING LLC	FIRECRACKER STATE	5	EDDY	S:14, T:17S, R:28E	5,420	U	Active Permit	Oct 2011	Jul 2012	108.57
30-015-36040	MACK ENERGY CORP	BLACK CAT FEDERAL	3	EDDY	S:14, T:17S, R:28E	5,800	PO	Active Permit	Sep 2008	Jul 2012	126.03
	· · · · · · · · · · · · · · · · · · ·	BLACK CAT			S:14, T:17S,						

DI Search Results (Printable Table)

J

30-015-36118	MACK ENERGY CORP	FEDERAL	2	EDDY	R:28E	5,185	о	Active Permit	Sep 2008	Jul 2012	126.03
30-015-37639	COG OPERATING LLC	FIRECRAKER STATE	9	EDDY	S:14, T:17S, R:28E	5,363	. 0	Active Permit	Mar 2011	Jul 2012	137.77
30-015-38264	COG OPERATING LLC	FIRECRACKER STATE	7	EDDY	S:14, T:17S, R:28E	5,411	U	Active Permit	Sep 2011	_ Jul 2012	144.61
30-015-34461	MURCHISON OIL & GAS INC	PUMA	001	EDDY	S:14, T:17S, R:28E	10,285	PG	Active	Jun 2006	Jui 2012	332.77



Producing wells in Sec 14, T17S, R28E

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http://drillinginfo.com/mapPrint.do?action=submit&ms=zMBLKr71CPmOLMp18BZ987... 10/16/2012

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WI Ov	tandard Locations vners: Chase Oil, et. Sec15 T17S-R28E U				
	ly County NM				Bankers Bankers
		W	ell name: Tuma	k Federal #1	TAME TO BE
		The second T	perator: COG Op 17S-R28E Sec 1	perating LLC	
			ddy County NM		
				buannwibe	

Chase Oil Corp.	65.833333%
•	05.05555570
P.O. Box 1767	
Artesia NM 88211	
Mark Wilson Family	17.083333%
Partnership, LP	
4501 Greentree Blvd.	
Midland TX 79707	
Boling Enterprises, Ltd	8.54167%
P.O. Box 2563	
Roswell NM 88202	
ML Boling	8.541667%
Development LLC	
P.O. Box 1514	
Roswell NM 88202	

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· · · ·

October 16, 2012

Mark Wilson Family Partnership, L.P. 4501 Greentree Blvd. Midland TX 79707

#### Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104 F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Empire; Glorieta Yeso oil well.

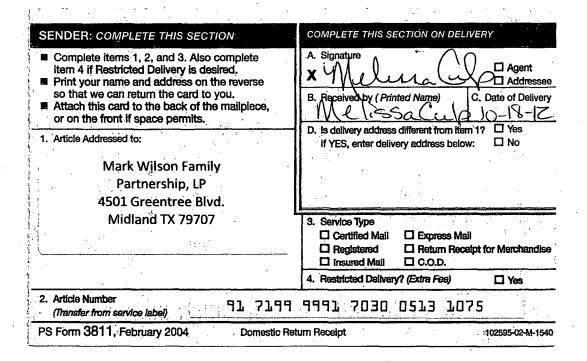
## Tumak Federal #1 Eddy County, NM 1024' FSL & 305' FWL Sec 14, T17S, R28E, Unit M

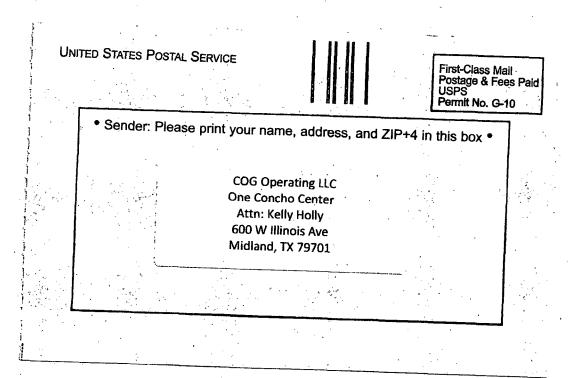
Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC

Kelly J. Holly Permitting Tech





October 16, 2012

Boling Enterprises, Ltd. P.O. Box 2563 Roswell NM 88202

#### Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Empire; Glorieta Yeso oil well.

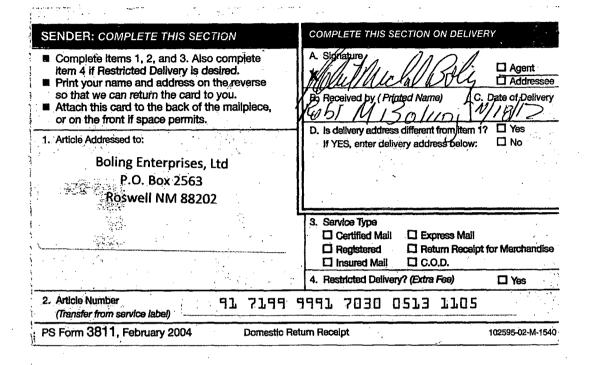
## Tumak Federal #1 Eddy County, NM 1024' FSL & 305' FWL Sec 14, T17S, R28E, Unit M

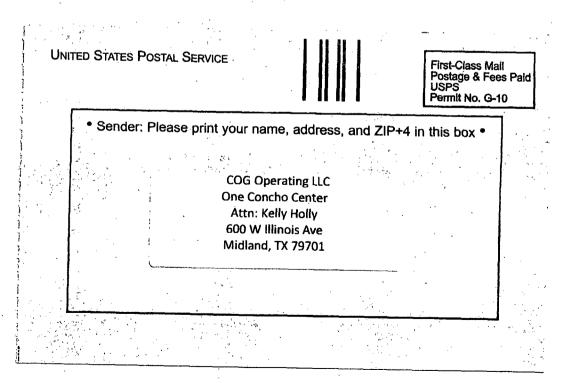
Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

#### Sincerely,

COG Operating LLC

Kelly J. Holly Permitting Tech





October 16, 2012

ML Boling Development, LLC P.O. Box 1514 Roswell NM 88202

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Empire; Glorieta Yeso oil well.

### Tumak Federal #1 Eddy County, NM 1024' FSL & 305' FWL Sec 14, T17S, R28E, Unit M

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

**COG Operating LLC** 

Kelly J. Holly Permitting Tech

"SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A Signature A Signature A Signature A Agent A Addressee B. Beceived by (Printed Name) Kn bt U Biol ( A C. Date of Delivery Kn bt U Biol ( A C. Date of Delivery)
1. Article Addressed to: ML Boling Development LLC P.O. Box 1514 Roswell NM 88202	D. Is delivery address different from item 1? If YES, enter delivery address below:
· · · · · · · · · · · · · · · · · · ·	3. Septice Type 2. Certified Mali  Express Mali Registered  Return Receipt for Merchandise Insured Mali  C.O.D.
	4. Restricted Dalivery? (Extra Fee)
	•
· · ·	
UNITED STATES POSTAL SERVICE	First-Class Mail Postage & Fees Paid USPS Permit No. G-10

COG Operating LLC One Concho Center Attn: Kelly Holly 600 W Illinois Ave Midland, TX 79701

October 16, 2012

Chase Oil Corporation P.O. Box 1767 Artesia NM 88211

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Empire; Glorieta Yeso oil well.

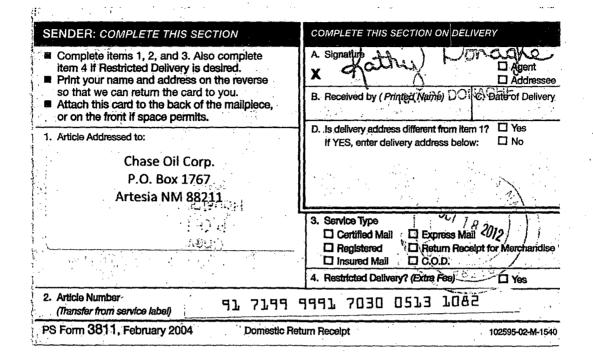
# Tumak Federal #1 Eddy County, NM 1024' FSL & 305' FWL Sec 14, T17S, R28E, Unit M

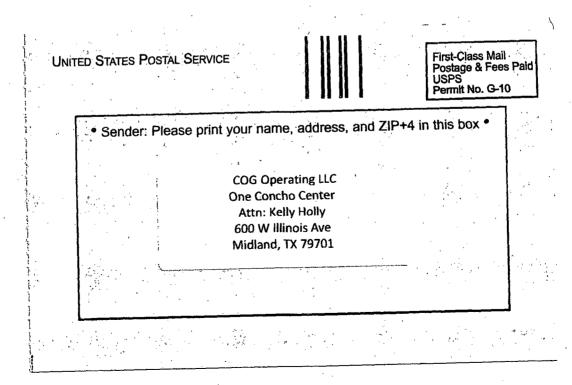
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Sincerely,

COG Operating LLC

Kelly J. Holly Permitting Tech





October 16, 2012

Murchison Oil & Gas, Inc. PO Box 627 Carlsbad, NM 88221-0627

#### Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Empire; Glorieta Yeso oil well.

## Tumak Federal #1 Eddy County, NM 1024' FSL & 305' FWL Sec 14, T17S, R28E, Unit M

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Sincerely,

COG Operating LLC

Kelly J. Holly Permitting Tech

