

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

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 Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD  
 Check One Only for [B] or [C]  
 [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM  
 [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR  
 [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply  
 [A]  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

OGRID 229137  
 API, Name, Located, see  
 third page (fourth page)

API 30-015-39476  
 30-015-39657  
 30-015-39178  
 30-015-39658

two pending:  
 Puckett 12 FEB #8  
 P 12175 31E  
 Puckett 12 FEB #6  
 B 13 175 31E

[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.**

Brian Maiorino		Regulatory Analyst	5/14/12
Print or Type Name	Signature	Title	Date
		bmaiorino@concho.com	
		e-mail Address	

June 20, 2012

New Mexico Oil Conservation Division  
Richard Ezeanyim  
1220 S St. Francis Drive  
Santa Fe, New Mexico 87505

RECEIVED OCD

2012 JUN 25 P 2:46

Re: Puckett Battery Commingle of Federal Leases NMLC-029415-A and NMLC-029415-B.

Mr. Ezeanyim,

COG Operating LLC respectfully requests approval for Lease Commingle on our Puckett 12 and 13 Federal Com Lease. These leases will have one battery location requiring Surface Commingling of NMLC-029415-A and NMLC-029415-B.

**Production to the Puckett Battery will consist of the following wells:**

Puckett 12 Fed Com #7H Eddy County, NM API # 30-015-39476 Surface: 15 FSL & 819 FEL, Sec 12, T17S, R31E, Unit P	Puckett 13 Fed Com #6H Eddy County, NM API # Pending Surface: 36 FNL & 1627 FEL, Sec 13, T17S, R31E, Unit B
Puckett 12 Fed Com #8H Eddy County, NM API #: Pending Surface: 190 FSL & 626 FEL Sec 12, T17S, R31E, Unit P	Puckett 13 Fed Com #7H Eddy County, NM API #: 30-015-39178 Surface: 83 FNL & 970 FEL Sec 13, T17S, R31E, Unit A
Puckett 13 Fed Com #5H Eddy County, NM API # 30-015-39657 Surface: 140 FNL & 1907 FEL Sec 13, T17S, R31E, Unit B	Puckett 13 Fed Com #8H Eddy County, NM API #: 30-015-39658 Surface: 232 FSL & 459 FEL Sec 12, T17S, R31E, Unit P

Consolidating production from two leases to one battery will extend the economic life for these wells and lessen surface disturbance. Commingling will not reduce the value of production.

The Puckett Battery has diverse ownership for all wells going into that facility. These wells will be producing from the Fren;Glorieta-Yeso. I have attached a diagram of the battery facility, and a map showing all well and facility locations, admin checklist, and notice to all interest owners.

Please contact me at 432-221-0467 should you have any questions.

Sincerely,

Brian Maiorino  
Regulatory Analyst  
COG Operating, LLC

CTB-650

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: COG Operating LLC

OPERATOR ADDRESS: 550 W. Texas Ave, Suite 1300, Midland, TX 79701

APPLICATION TYPE:

Pool Commingling  Lease Commingling  Pool and Lease Commingling  Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE:  Fee  State  Federal

Is this an Amendment to existing Order?  Yes  No If "Yes", please include the appropriate Order No. \_\_\_\_\_

Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling

Yes  No

**(A) POOL COMMINGLING**

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

(2) Are any wells producing at top allowables?  Yes  No.

(3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No.

(4) Measurement type:  Metering  Other (Specify)

(5) Will commingling decrease the value of production?  Yes  No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**

Please attach sheets with the following information

(1) Pool Name and Code. Fren;Glorieta-Yeso (26770)

(2) Is all production from same source of supply?  Yes  No

(3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No

(4) Measurement type:  Metering  Other (Specify)

**(C) POOL and LEASE COMMINGLING**

Please attach sheets with the following information

(1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**

Please attached sheets with the following information

(1) Is all production from same source of supply?  Yes  No

(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**

Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.

(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.

(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Brian Maiorino

TITLE: Regulatory Analyst

DATE: 5/18/2012

TYPE OR PRINT NAME Brian Maiorino

TELEPHONE NO.: 432-221-0467

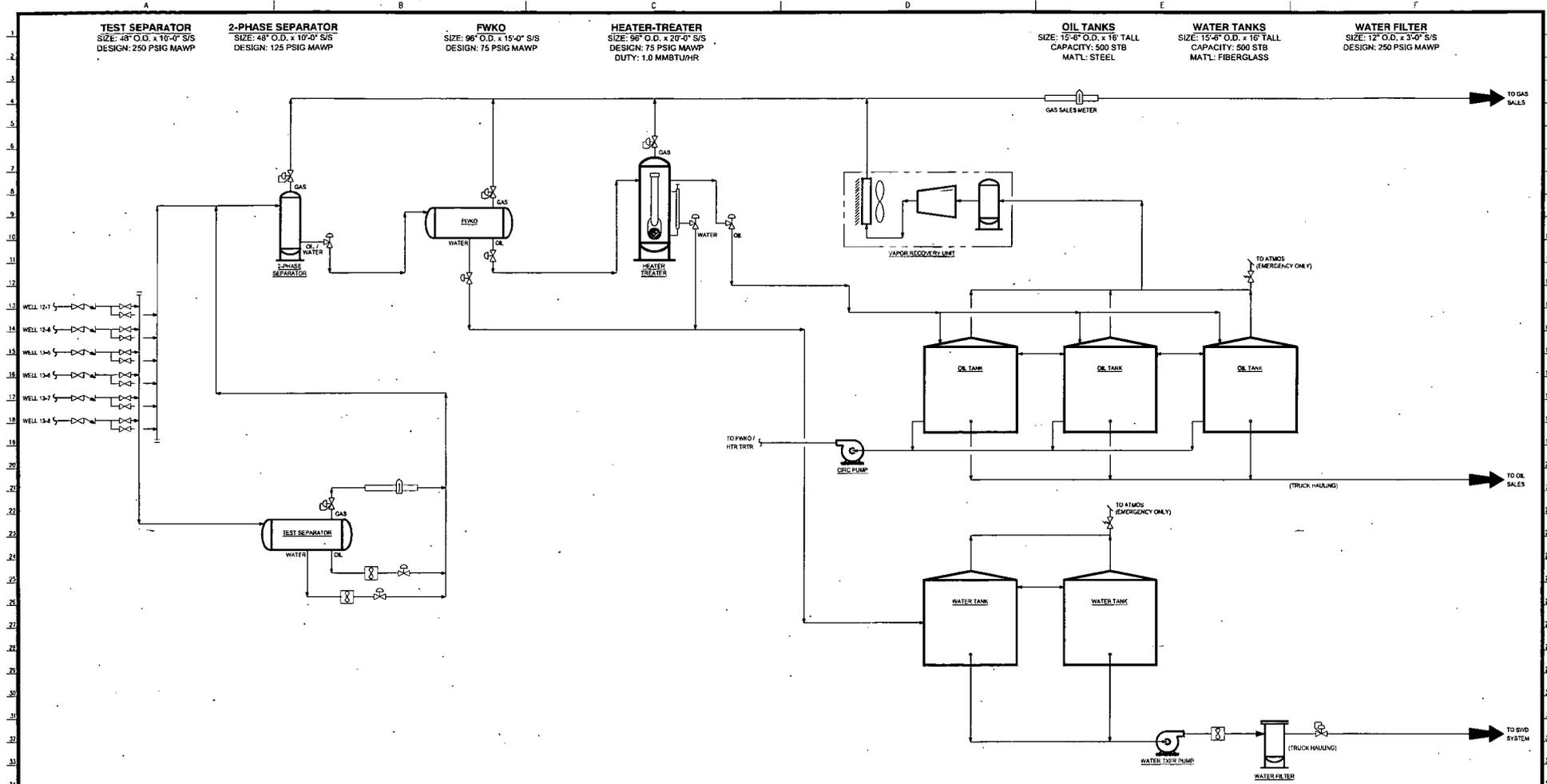
E-MAIL ADDRESS: bmaiorino@concho.com

**COG Operating, LLC is Requesting approval for surface commingling from the following formation and wells**

Federal Lease No. NMLC-029415-B and NMLC-029415-A

<u>Well Name</u>	<u>API No.</u>	<u>Loc: 1/4-1/4 Sec. Twp. Rng. UL</u>	<u>Formation</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFPD</u>	<u>BTU</u>
Puckett 12 Fed #7	30-015-39476	SESE, Sec 12, T17S, R31E, Unit P	Fren; Glorieta-Yeso (26770)				
Puckett 12 Fed #8	Pending	SESE, Sec 12, T17S, R31E, Unit P	Fren; Glorieta-Yeso (26770)				
Puckett 13 Fed #5	30-015-39657	NWNE, Sec 13, T17S, R31E, Unit B	Fren; Glorieta-Yeso (26770)				
Puckett 13 Fed #6	Pending	NWNE, Sec 13, T17S, R31E, Unit B	Fren; Glorieta-Yeso (26770)				
Puckett 13 Fed #7	30-015-39178	NENE, Sec 13, T17S, R31E, Unit A	Fren; Glorieta-Yeso (26770)				
Puckett 13 Fed #8	30-015-39658	SESE, Sec 12, T17S, R31E, Unit P	Fren; Glorieta-Yeso (26770)				

The Storage and measuring facility is located at SWSW, Sec 12, T17S, R31E, on lease No. NMLC-029415B, Eddy County, NM  
 BLM will be notified if there is any future change in the facility location



**TEST SEPARATOR**  
 SIZE: 48" O.D. x 10'-0" S/S  
 DESIGN: 250 PSIG MAWP

**2-PHASE SEPARATOR**  
 SIZE: 48" O.D. x 10'-0" S/S  
 DESIGN: 125 PSIG MAWP

**FWKO**  
 SIZE: 96" O.D. x 15'-0" S/S  
 DESIGN: 75 PSIG MAWP

**HEATER-TREATER**  
 SIZE: 96" O.D. x 20'-0" S/S  
 DESIGN: 75 PSIG MAWP  
 DUTY: 1.0 MMBTU/HR

**OIL TANKS**  
 SIZE: 15'-6" O.D. x 16' TALL  
 CAPACITY: 500 STB  
 MATL: STEEL

**WATER TANKS**  
 SIZE: 15'-6" O.D. x 16' TALL  
 CAPACITY: 500 STB  
 MATL: FIBERGLASS

**WATER FILTER**  
 SIZE: 12" O.D. x 3'-0" S/S  
 DESIGN: 250 PSIG MAWP

**CIRC PUMP**  
 SIZE: 1.5x1.5  
 TYPE: GEAR / ELECTRIC  
 MOTOR: 2 HP, 1170 RPM

**VAPOR RECOVERY UNIT**  
 SIZE:  
 TYPE: ROTARY SCREW / ELECT  
 MOTOR: 20 HP

**WATER TRANSFER PUMP**  
 SIZE: 2X2-1 TO ARV  
 TYPE: CENTRIFUGAL / ELECT  
 MOTOR: 40 HP, 3530 RPM

**NOTES:**

**CONFIDENTIALITY NOTICE**  
 THIS DRAWING IS PROPERTY OF COG OPERATING LLC AND IS LOANED TO THE BORROWER FOR CONFIDENTIAL USE ONLY AND IS SUBJECT TO RETURN UPON REQUEST AND SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT IS SPECIFICALLY FURNISHED.

REFERENCE DRAWINGS		REVISIONS				ENGINEERING RECORD			
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY	DATE
A		1	04/03/12	ISSUE FOR REVIEW	CRB			CRB	04/03/12
B		2	05/01/12	ADDED VRU AND TXR PUMP	CRB			CRB	04/03/12
C		3	05/09/12	ADDED WELL NUMBERS	CRB				

**COG OPERATING LLC**  
 550 W. TEXAS AVE, SUITE 100  
 MIDLAND, TEXAS 79701

APP:	
CHK:	
BY:	
DATE:	
APP:	
CHK:	
BY:	C. BLEDSOE
DATE:	
APP:	
CHK:	S. BRUMLEY
BY:	
DATE:	
APP:	
CHK:	
BY:	
DATE:	
APP:	
CHK:	
BY:	
DATE:	

**CONCHO**  
 NEW MEXICO SHELF ASSET  
 PUCKETT LEASE  
 PROCESS FLOW DIAGRAM  
 PUCKETT TANK BATTERY

EDDY COUNTY NEW MEXICO  
 TOWNSHIP/RANGE 17S/31E  
 DWG NO. D-1731-81-1201  
 REV C

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39476	Pool Code 26770	Pool Name Fren;Glorieta-Yeso
Property Code	Property Name PUCKETT 12 FEDERAL	Well Number 7H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3965'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	17-S	31-E		15	SOUTH	819	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
A	12	17-S	31-E		330	NORTH	990	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

<p><b>DETAIL</b> 3964.9' 3968.4' 600' 600' 3959.7' 3964.4'</p> <p><b>GEODETIC COORDINATES</b> NAD 27 NME <b>SURFACE LOCATION</b> Y=670369.4 N X=658684.5 E LAT.=32.841864' N LONG.=103.816666' W</p> <p><b>BOTTOM HOLE LOCATION</b> Y=675304.1 N X=658485.4 E</p> <p><b>SECTION TABLE</b> QUARTER &amp; SIXTEENTH CORNER COORDINATES</p> <p>(A) - Y=670360.5 N, X=659503.3 E (B) - Y=670350.6 N, X=658184.2 E (C) - Y=675631.7 N, X=658153.1 E (D) - Y=672963.2 N, X=654206.0 E</p> <p>HORIZ. DIST. = 4940.0' GRID. AZ. = 357°41'21"</p> <p>S.L. SEE DETAIL 15' 819'</p>	<p><b>OPERATOR CERTIFICATION</b> 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 leased 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.</p> <p><i>Brian Maiorino</i> 5/21/12 Signature Date Brian Maiorino Printed Name Bmaiorino@concho.com E-mail Address</p> <p><b>SURVEYOR CERTIFICATION</b> 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.</p> <p>JUNE 28, 2011 Date of Survey Signature &amp; Seal of Professional Surveyor: <i>Ronald F. Eidson</i> 02/08/2012 Certificate Number Gary G. Eidson 12641 Ronald F. Eidson 3239 AF JWSC W.O.: 12.13.0228</p>
--	--

**DISTRICT I**  
 1625 N. French Dr., Hobbs, NM 88240  
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 Revised August 1, 2011  
 Submit one copy to appropriate  
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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-	Pool Code 26770	Pool Name Fren; Glorieta-Yeso
Property Code	Property Name <b>PUCKETT 12 FEDERAL</b>	
OGRID No. 229137	Operator Name <b>COG OPERATING, LLC</b>	
	Well Number 8H	Elevation 3966'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	17-S	31-E		190	SOUTH	626	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
A	12	17-S	31-E		330	NORTH	330	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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<p style="text-align: center;">GEODETIC COORDINATES NAD 27 NME</p> <p style="text-align: center;">SURFACE LOCATION        Y=670545.7 N        X=658876.3 E</p> <p style="text-align: center;">LAT.=32.842346° N        LONG.=103.816038° W</p> <p style="text-align: center;">BOTTOM HOLE LOCATION        Y=675308.5 N        X=659145.2 E</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">DETAIL</p> </div>
<p style="text-align: center;">CORNER COORDINATES TABLE</p> <p>Ⓐ - Y=675631.7 N, X=658153.1 E</p> <p>Ⓑ - Y=675640.7 N, X=659473.2 E</p> <p>Ⓒ - Y=670350.6 N, X=658184.2 E</p> <p>Ⓓ - Y=670360.5 N, X=659503.3 E</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p style="text-align: right;"> 5/21/12</p> <p>Signature <span style="float: right;">Date</span></p> <p>Brian Maiorino</p> <p>Printed Name</p> <p>bmaiorino@concho.com</p> <p>E-mail Address</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p style="text-align: center;"><b>FEBRUARY 24, 2012</b></p> <p>Date of Survey</p> <p style="text-align: center;"></p> <p>Signature <span style="float: right;">Seal of Professional Surveyor</span></p> <p style="text-align: right;"><i>Ronald J. Eidson</i> 02/23/2012</p> <p>Certificate Number <span style="float: right;">3239</span></p> <p>Ronald J. Eidson 12641        Ronald J. Eidson 3239</p> </div>

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Revised August 1, 2011  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39657	Pool Code 26770	Pool Name Fren; Glorieta-Yeso
Property Code	Property Name PUCKETT 13 FEDERAL COM	Well Number 5H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3961'

Surface Location

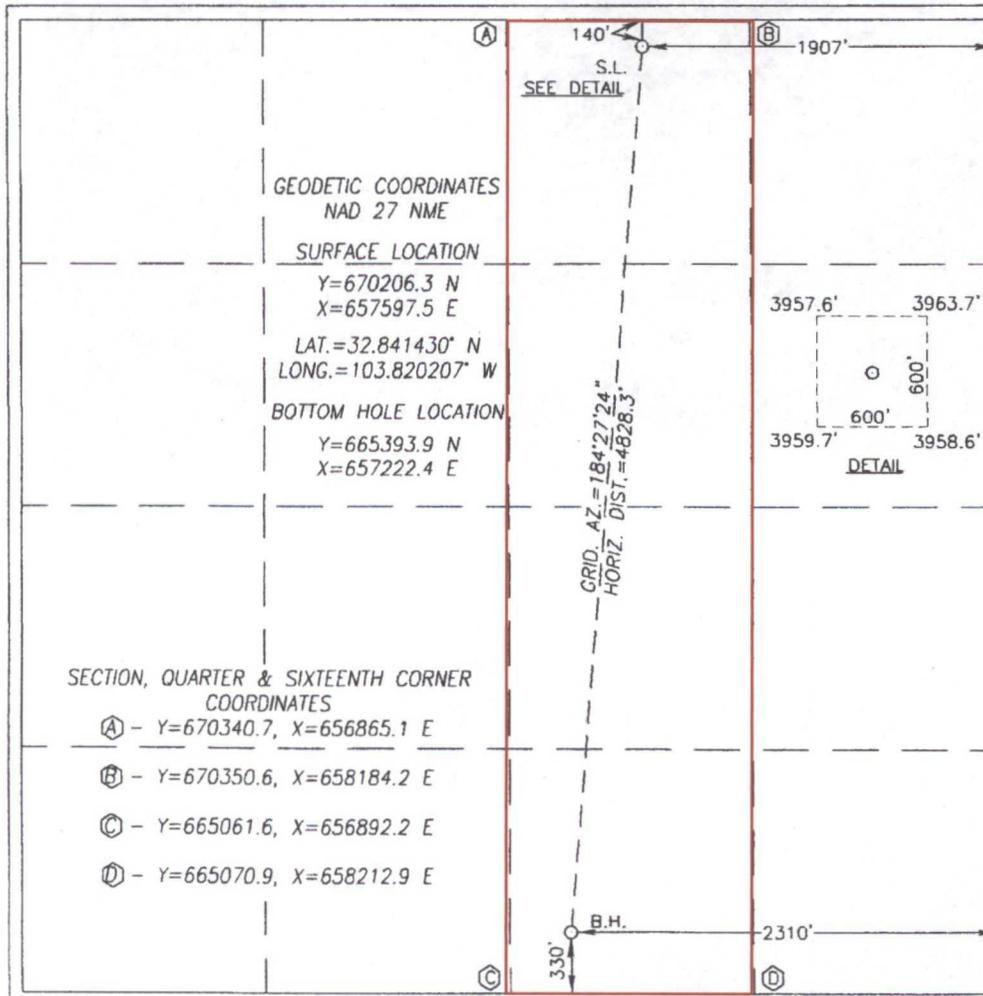
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	13	17-S	31-E		140	NORTH	1907	EAST	EDDY

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
O	13	17-S	31-E		330	SOUTH	2310	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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



**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.

Signature: *Brian Maiorino* Date: 5/21/12  
 Printed Name: Brian Maiorino  
 E-mail Address: bmaiorino@concho.com

**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.

JUNE 22, 2011

Date of Survey  
 Signature & Seal of Professional Surveyor:  
 Ronald J. Eidson  
 Certificate Number: Gary A. Eidson 12641, Ronald F. Eidson 3239  
 Date: 02/08/2012  
 AF WSC W.O.: 12.13.0229

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Submit one copy to appropriate  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 26770	Pool Name Fren; Glorieta-Yeso
Property Code	Property Name PUCKETT 13 FEDERAL COM	Well Number 6H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3963'

Surface Location

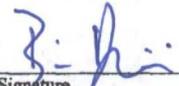
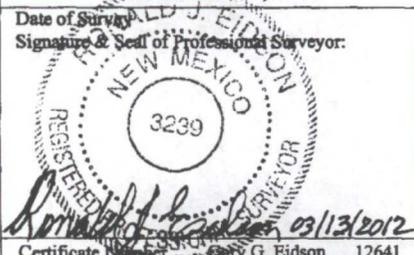
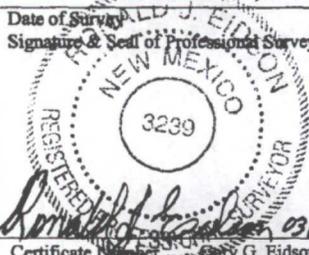
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	13	17-S	31-E		36	NORTH	1627	EAST	EDDY

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
O	13	17-S	31-E		330	SOUTH	1650	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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

<p>GEODETTIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=670312.4 N X=657876.9 E</p> <p>LAT.=32.841718° N LONG.=103.819296° W</p> <p>BOTTOM HOLE LOCATION Y=665398.5 N X=657882.2 E</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p> 5/21/12 Signature Date</p> <p>Brian Maiorino Printed Name</p> <p>bmaiorino@concho.com E-mail Address</p>
<p>CORNER COORDINATES TABLE</p> <p>(A) - Y=670340.7 N, X=656865.1 E</p> <p>(B) - Y=670350.6 N, X=658184.2 E</p> <p>(C) - Y=665061.6 N, X=656892.2 E</p> <p>(D) - Y=665070.9 N, X=658213.0 E</p>	<p><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>FEBRUARY 24, 2012 Date of Survey</p> <p> Signature &amp; Seal of Professional Surveyor</p> <p></p> <p>Certificate No. Gary G. Eidson 12641 Ronald J. Eidson 3239</p> <p>AP JWSC W.O.: 11.11.2409</p>

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  
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

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

Form C-102  
Revised July 16, 2010  
Submit to Appropriate  
District Office

□ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-39178	Pool Code 26770	Pool Name FREN; GLORIETA-YESO
Property Code	Property Name PUCKETT 13 FEDERAL	Well Number 7H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3963'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	17-S	31-E		83	NORTH	970	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
P	13	17-S	31-E		330	SOUTH	990	EAST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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<p><b>DETAIL</b></p> <p>Penetration Point 330' FAULT 980' FEL</p>	<p>83' 970'</p> <p>S.L. SEE DETAIL</p> <p>Project Area</p> <p>Producing Area</p> <p>GRID AZ = 179°54'17"</p> <p>HORIZ. DIST. = 4868.5'</p> <p>B.H. 330' 990'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>Robyn Odom</i> 8/3/2011 Signature Date</p> <p>Robyn Odom Printed Name</p> <p>Rodom@concho.com E-mail Address</p>	
		<p><b>GEODETIC COORDINATES</b> NAD 27 NME</p> <p><b>SURFACE LOCATION</b> Y=670270.3 N X=658534.0 E</p> <p>LAT.=32.841594° N LONG.=103.817157° W</p>	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>JUNE 28, 2011 Date of Survey</p>
		<p><b>BOTTOM HOLE LOCATION</b> Y=665403.1 N X=658542.0 E</p>	<p>Signature &amp; Seal of Professional Surveyor:</p> <p>Ronald J. Eidson 7/21/2011 Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239</p> <p>DSS REV: 7/2011 PROFESSIONAL W.S.C. W.O.: 11.11.1164</p>
		<p><b>SECTION TABLE</b> QUARTER &amp; SIXTEENTH CORNER COORDINATES</p> <p>Ⓐ - Y=670360.5 N, X=659503.3 E Ⓑ - Y=670350.6 N, X=658184.2 E Ⓒ - Y=665070.9 N, X=658213.0 E Ⓓ - Y=665080.1 N, X=659533.8 E</p>	

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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-39658	Pool Code 26770	Pool Name Fren;Glorieta-Yeso
Property Code	Property Name <b>PUCKETT 13 FEDERAL COM</b>	Well Number 8H
OGRID No. 229137	Operator Name <b>COG OPERATING, LLC</b>	Elevation 3967'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	17-S	31-E		232	SOUTH	459	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
P	13	17-S	31-E		330	SOUTH	330	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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**DETAIL**

**GEODETC COORDINATES**  
NAD 27 NME

**SURFACE LOCATION**  
Y=670589.0 N  
X=659043.1 E

**BOTTOM HOLE LOCATION**  
Y=665407.7 N  
X=659201.9 E

**SECTION TABLE**  
QUARTER & SIXTEENTH CORNER  
COORDINATES

- Ⓐ - Y=671671.3 N, X=658176.4 E
- Ⓑ - Y=671680.7 N, X=659495.8 E
- Ⓒ - Y=665070.9 N, X=658213.0 E
- Ⓓ - Y=665080.1 N, X=659533.8 E

SCALE: 1" = 2000'

**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.*

5/21/12  
Signature Date

Brian Maiorino  
Printed Name

bmaiorino@concho.com  
E-mail Address

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**SURVEYOR CERTIFICATION**

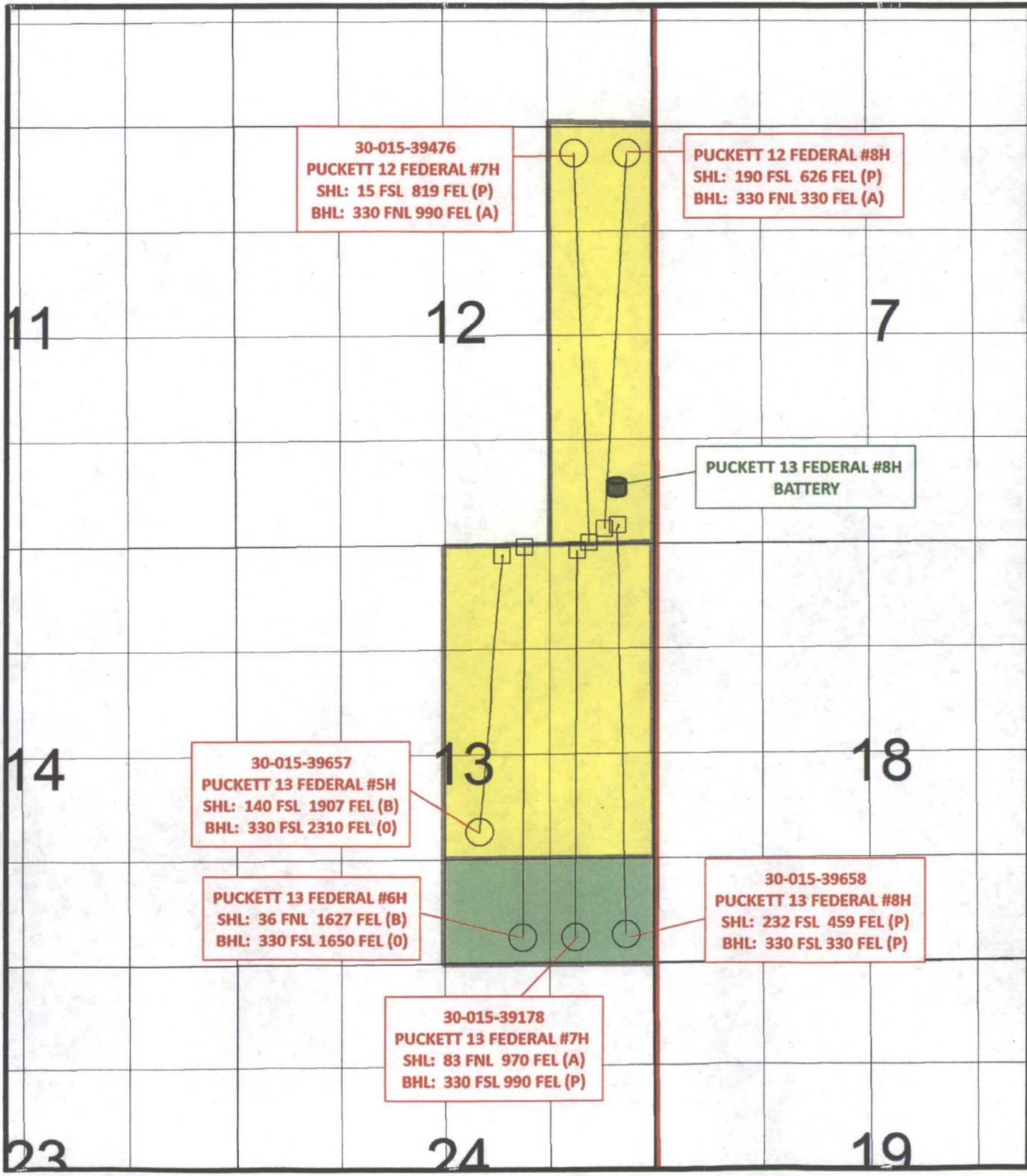
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

JUNE 25, 2011  
Date of Survey

Signature & Seal of Professional Surveyor:

Certificate Number Gary C. Eidson 12641  
Ronald J. Eidson 3239

DSS REV: 8/9/11 11.13.1912 Rel. 11.13.1740



30-015-39476  
**PUCKETT 12 FEDERAL #7H**  
 SHL: 15 FSL 819 FEL (P)  
 BHL: 330 FNL 990 FEL (A)

**PUCKETT 12 FEDERAL #8H**  
 SHL: 190 FSL 626 FEL (P)  
 BHL: 330 FNL 330 FEL (A)

**PUCKETT 13 FEDERAL #8H BATTERY**

30-015-39657  
**PUCKETT 13 FEDERAL #5H**  
 SHL: 140 FSL 1907 FEL (B)  
 BHL: 330 FSL 2310 FEL (O)

**PUCKETT 13 FEDERAL #6H**  
 SHL: 36 FNL 1627 FEL (B)  
 BHL: 330 FSL 1650 FEL (O)

30-015-39658  
**PUCKETT 13 FEDERAL #8H**  
 SHL: 232 FSL 459 FEL (P)  
 BHL: 330 FSL 330 FEL (P)

30-015-39178  
**PUCKETT 13 FEDERAL #7H**  
 SHL: 83 FNL 970 FEL (A)  
 BHL: 330 FSL 990 FEL (P)

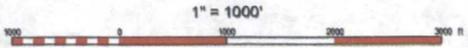
### Map Legend

SHL Horizontal Loc

BHL

NMLC - 029415-B

NMLC - 029415-A



**CONCHO**

Project: SRNM / AOI: DL\_SHELF  
 Eddy Co., NM  
 Puckett Area  
 Federal Lease No.: NMLC-029415-B &  
 NMLC-029415-A  
 COG Surface Commingling Map

Author:	Well:	Date:
D. Linn	No Wells	12 May 2012
File Path: \\SRNM\SRNM\DL_SHELF\PUCKETT_COG_SURFACE_COMMINGLING_MAP_REG.dwg		