

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSULTANT
ARTESIA DISTRICT
OCT 4 2015
RECEIVEDFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC068722
2. Name of Operator COG OPERATING LLC Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	7. If Unit or CA/Agreement, Name and/or No. NMNM130988
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T17S R29E SENE 1605FNL 85FEL		8. Well Name and No. SUBMARINE 10 FED COM 3H
		9. API Well No. 30-015-40543-00-S1
		10. Field and Pool, or Exploratory DODD - GLORIETA-UPPER YESO
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC, respectfully requests to make a correction to the original completion paperwork 3160-4, Electronic submission # 220539.

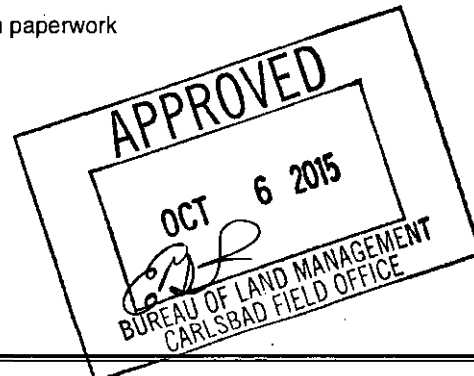
This well has a DHC-4564 order.

Allocation per order:

Dodd-Glorieta-Upper Yeso 75% oil, 75% gas.
Empire Glorieta-Yeso, East 25% oil, 25% gas.

This well is completed in the Yeso but part of the lateral goes into a different Yeso pool.

UDS 10/14/15
Accepted for record
NMOCD



14. I hereby certify that the foregoing is true and correct. Electronic Submission #268780 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by CATHY QUEEN on 06/18/2015 (15CQ0345SE)	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 10/06/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>EDWARD FERNANDEZ</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>10/06/2015</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>Carlsbad</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #268780 that would not fit on the form

32. Additional remarks, continued

Please see attached C-102's.

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 30-015-40543	Pool Code 97917	Pool Name Dodd;Glorieta-Upper Yeso
Property Code 39252	Property Name SUBMARINE 10 FEDERAL COM.	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3627'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	17-S	29-E		1605	NORTH	85	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
E	10	17-S	29-E		1708	NORTH	342	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120			DHC-4564

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>OPERATOR CERTIFICATION</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>Kanicia Castillo</i> 9/18/13 Signature Date Kanicia Castillo Printed Name kcastillo@concho.com E-mail Address</p>
<p>CORNER COORDINATES TABLE</p> <p>① - Y=674001.8 N, X=580629.2 E ② - Y=674009.3 N, X=585916.2 E ③ - Y=672681.7 N, X=580629.9 E ④ - Y=672688.7 N, X=585919.9 E</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=673725.0 N X=585832.0 E</p> <p>BOTTOM HOLE LOCATION Y=673672.5 N X=580959.3 E</p>	<p>SURVEYOR CERTIFICATION</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>DECEMBER 3, 2011</p> <p>Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 12/14/2011 Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239 AF TWSC W.O.: 11.11.2274</p>

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Form C-102
Revised August 1, 2011
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40543	Pool Code 96610	Pool Name Empire;Glorieta-Yeso, East
Property Code 39252	Property Name SUBMARINE 10 FEDERAL COM.	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3627'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	17-S	29-E		1605	NORTH	85	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
E	10	17-S	29-E		1708	NORTH	342	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			DHC-4564

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<p>DETAIL</p> <p>3618.9' 3639.0' 600' 3615.2' 3627.9'</p> <p>1708' 342' B.H. 1605' 85'</p> <p>GRID AZ. = 269°22'56" HORZ. DIST. = 4874.2'</p> <p>S.L. SEE DETAIL</p> <p>CORNER COORDINATES TABLE</p> <p>Ⓐ - Y=674001.8 N, X=580629.2 E Ⓑ - Y=674009.3 N, X=585916.2 E Ⓒ - Y=672681.7 N, X=580629.9 E Ⓓ - Y=672688.7 N, X=585919.9 E</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=673725.0 N X=585832.0 E LAT.=32.851842° N LONG.=104.053837° W</p> <p>BOTTOM HOLE LOCATION Y=673672.5 N X=580959.3 E</p>	<p>OPERATOR CERTIFICATION</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>Kanicia Castillo</i> 9/18/13 Signature Date Kanicia Castillo Printed Name kcastillo@concho.com E-mail Address</p> <p>SURVEYOR CERTIFICATION</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>DECEMBER 3, 2011</p> <p>Date of Survey Signature & Seal of Professional Surveyor: Ronald J. Eidson 12/14/2011 Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239 AF PROFESSIONAL SURVEYOR TWSC W.O. 11.11.2274 </p>
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State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John H. Bernis
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

JAMI BAILEY
Division Director
Oil Conservation Division



Administrative Order DHC-4564

Order Date: 5/9/2012

Application Reference Number: pWVJ1213036056

COG OPERATING LLC
550 W TEXAS, SUITE 100
MIDLAND, TX 79701

Attention: Kanicia Castillo

Submarine 10 Federal Com Well No. 3H
API No: 30-015-NA
Unit H, Section 10, Township 17 South, Range 29 East, NMPM
Eddy County, New Mexico

Pool: DODD;GLORIETA-UPPER YESO Oil 97917

Names: UNDES. EMPIRE; GLORIETA-YESO, EAST Oil 96610

Reference is made to your recent application for an exception to 19.15.12.9A NMAC of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of 19.15.12.11A NMAC, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with 19.15.12.11A.(6) NMAC, the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

Assignment of allowable and allocation of production from the well shall be as follows:

DODD;GLORIETA-UPPER YESO Pool	Pct Gas: 75	Pct Oil: 75
UNDES. EMPIRE; GLORIETA-YESO, EAST Pool	Pct Gas: 25	Pct Oil: 25

REMARKS: The operator shall notify the Division's district office upon implementation of commingling operations.

Pursuant to 19.15.12.11B NMAC, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.



JAMI BAILEY
Director

JB/wvjj

cc: Oil Conservation Division – Artesia
Bureau of Land Management - Carlsbad

DATE IN 5/8/12	SUSPENSE	ENGINEER WVJ	LOGGED IN 5/8/12	TYPE DHC	APP NO. PWTJ 1213038056
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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] Submarine 10 Federal Com Lease
- [A] Location - Spacing Unit - Simultaneous Dedication Eddy County, NM
☐ NSL ☐ NSP ☐ SD Section 10, 17S, 29E
 OGRID # 229137
- 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

- [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 Castillo

Print or Type Name

Signature

Lead Regulatory Analyst 5/2/12

Title

Date

kcastillo@concho.com

e-mail Address

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Energy, Minerals and Natural Resources Department

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

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☐ Yes ☒ No

APPLICATION FOR DOWNHOLE COMMINGLING

COG Operating LLC 550 West Texas Ave, Suite 100, Midland, TX 79701
Operator Address
Submarine 10 Federal Com #3H H, 10, 17S, 29E DHC-456 Eddy
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 229137 Property Code API No. Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Dodd-Glorieta-Upper Yeso	Grayburg Jackson; SR	Q-G-SA (9610)
Pool Code	97917	28509	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4008 - 5355	4008 - 5355	
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)			
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 estimates and supporting data.)	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 75 % 75 %	Oil Gas 25 % 25 %	Oil Gas % %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐
Will commingling decrease the value of production? Yes ☐ No ☒
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐
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

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.

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

SIGNATURE _____ TITLE Lead Regulatory Analyst DATE 5/02/12
TYPE OR PRINT NAME Kanicia Castillo TELEPHONE NO. (432) 685-4332
E-MAIL ADDRESS kcastillo@concho.com

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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
E	10	17-S	29-E		1650	NORTH	330	WEST	EDDY

Dedicated Acres 3.80	Joint or Infill	Consolidation Code	Order No.
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		<p>OPERATOR CERTIFICATION</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 style="text-align: right;">5/2/12</p> <p>Signature _____ Date _____</p> <p>Printed Name Kanicia Castillo</p> <p>E-mail Address kcastillo@concho.com</p>	
<p>CORNER COORDINATES TABLE</p> <p>① - Y=674001.8 N, X=580629.2 E</p> <p>② - Y=674009.3 N, X=585916.2 E</p> <p>③ - Y=672681.7 N, X=580629.9 E</p> <p>④ - Y=672688.7 N, X=585919.9 E</p>		<p>SURVEYOR CERTIFICATION</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 style="text-align: right;">DECEMBER 3, 2011</p> <p>Date of Survey _____</p> <p>Signature & Seal of Professional Surveyor:</p> <p style="text-align: center;"> </p> <p>Certificate Number _____</p> <p>AP _____ TWSC W.O.: 11.11.2274</p>	
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=673725.0 N X=585832.0 E</p> <p>LAT. = 32.851842° N LONG. = 104.053837° W</p> <p>BOTTOM HOLE LOCATION Y=673672.5 N X=580959.3 E</p>			