

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**Carlsbad Field Office**  
**OCD Artesia**FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018Lease Serial No.  
NMLC029415B**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 page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator COG OPERATING LLC Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	8. Well Name and No. Multiple--See Attached
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple--See Attached		9. API Well No. Multiple--See Attached
		10. Field and Pool or Exploratory Area Multiple--See Attached
		11. County or Parish, State EDDY COUNTY, NM

**12. CHECK THE 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"/> Hydraulic Fracturing	<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	Surface Commingling
	<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 recompleat 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 request to surface commingle the following wells:

We are requesting to add additional wells to the existing approved commingle permit.

Consolidating production to one battery will extend the economic life for these wells and lessen surface disturbance.

Commingling will not reduce value of production.

All leases have a 12-1/2% royalty rate.

Wells currently on the existing commingle:

Puckett 12 Federal Com 7H

BC 3-8-18  
Accepted for record - NMOCDNMOCD CONSERVATION  
ARTESIA DISTRICT

MAR 08 2018

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #376155 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/16/2017 (17DLM1708SE)	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 05/15/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>J.D. W. Little</i>	Title TLPE7	Date 3/5/18
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 CFO

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #376155 that would not fit on the form**

**7. If Unit or CA/Agreement, Name and No., continued**

NMNM128662  
NMNM128666

**Wells/Facilities, continued**

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM128662	NMLC029415A	PUCKETT 13 FEDERAL COM 8H	30-015-39658-00-S1	Sec 12 T17S R31E SESE 232FSL 459FEL
NMNM128666	NMLC029415A	PUCKETT 13 FEDERAL COM 6H	30-015-40736-00-S1	Sec 13 T17S R31E NWNE 36FNL 1627FEL
NMNM128662	NMLC029415A	PUCKETT 13 FEDERAL COM 17H	30-015-43667-00-S1	Sec 12 T17S R31E SESE 1160FSL 640FEL
NMNM128662	NMLC029415B	PUCKETT 13 FEDERAL COM 27H	30-015-43872-00-S1	Sec 12 T17S R31E SESE 387FSL 1097FEL
NMNM128662	NMLC029415A	PUCKETT 13 FEDERAL COM 38H	30-015-43074-00-S1	Sec 12 T17S R31E NWNW 1180FSL 470FEL
NMNM128662	NMLC029415A	PUCKETT 13 FEDERAL COM 7H	30-015-39178-00-S1	Sec 13 T17S R31E NENE 83FNL 970FEL
NMNM128666	NMLC029415B	PUCKETT 13 FEDERAL COM 25H	30-015-43785-00-S1	Sec 13 T17S R31E NWNE 250FNL 1965FEL
NMNM128666	NMLC029415A	PUCKETT 13 FEDERAL COM 5H	30-015-39657-00-S1	Sec 13 T17S R31E NWNE 140FNL 1907FEL
NMLC029415B	NMLC029415B	PUCKETT 12 FEDERAL 7H	30-015-39476-00-S1	Sec 12 T17S R31E SESE 15FSL 819FEL
NMLC029415B	NMLC029415B	PUCKETT 12 FEDERAL 8H	30-015-40737-00-S1	Sec 12 T17S R31E SESE 43FSL 590FEL

**10. Field and Pool, continued**

FREN-GLORIETA-YESO, EAST  
MAR LOCO

**32. Additional remarks, continued**

NMLC029415B  
API 30-015-39476  
Sec 12 T17S R31E SESE 15 FSL 819 FEL

Puckett 12 Federal Com 8H  
NMLC029415B  
API 30-015-40737  
Sec 12 T17S R31E SESE 43 FSL 590 FEL

Puckett 13 Federal Com 5H  
NMLC029415B  
CA NMNM128666  
API 30-015-39657  
Sec 13 T17S R31E NWNE 140 FNL 1907 FEL

Puckett 13 Federal Com 6H  
NMLC029415B  
NMLC029415A  
API 30-015-40736  
Sec 13 T17S R31E NWNE 36 FNL 1627 FEL

Puckett 13 Federal Com 7H  
NMLC029415B  
NMLC029415A  
CA NMNM128662  
API 30-015-39178  
Sec 13 T17S R31E NENE 83 FNL 970 FEL

Puckett 13 Federal Com 8H  
NMLC029415B  
NMLC029415A  
CA NMNM128662  
API 30-015-39658  
Sec 12 T17S R31E SESE 232 FSL 459 FEL

New wells to be added to the existing commingle:

Puckett 13 Federal Com 17H  
NMLC029415B  
NMLC029415A  
CA NM128662  
API 30-015-43667  
Sec 12 T17S R31E SESE 1160 FSL 640 FEL

Puckett 13 Federal Com 25H  
NMLC029415B  
NMLC029415A  
CA NM12866

**32. Additional remarks, continued**

API 30-015-43785  
Sec 13 T17S R31E NWNE 250 FNL 1965 FEL

Puckett 13 Federal Com 27H  
NMLC029415B  
NMLC029415A  
CA NM28662  
API 30-015-43872  
Sec 12 T17S R31E SESE 387 FSL 1097 FEL

Puckett 13 Federal Com 38H  
NMLC029415B  
NMLC029415A  
CA NM128662  
API 30-015-43074  
Sec 12 T17S R31E SESE 1180 FSL 470 FEL

Please see attachments.

# APPLICATION FOR A CENTRAL TANK BATTERY, LEASE COMMINGLE, OFF LEASE MEASUREMENT, SALES, & STORAGE

## Central Tank Battery Proposal for the Puckett 12 & 13 Wells:

COG Operating is requesting approval for the Central Tank Battery, Lease Commingle, Off Lease Measurement, Sales, & Storage for the following wells:

### Federal Lease NMLC029415B (August 8<sup>th</sup> 12.5%)

Well Name	Location	API #	Pool 26770	Oil BOPD	Gravities	MCFPD	Oil BTU
Puckett 12 Fed 7H	SESE Sec. 12-T17S-R31E-P	30-015-39476	Fren;Glorieta Yeso	42	37.5	51	1222.2
Puckett 12 Fed 8H	SESE Sec. 12-T17S-R31E-P	30-015-40737	Fren;Glorieta Yeso	42*	37.5*	51*	1222.2*
Puckett 13 Fed 5H	NWNE Sec. 13-T17S-R31E-B	30-015-39657	Fren;Glorieta Yeso	27	35.2	94	1179.9

### Federal Lease: NMLC029415B (August 8<sup>th</sup> 12.5%) NMLC029415A (12.5%) CA NM 128666

Well Name	Location	API #	Pool 26770	BOPD	Gravities	MCFPD	Oil BTU
Puckett 13 Fed Com 6H	NWNE Sec. 13-T17S-31E-B	30-015-40736	Fren;Glorieta Yeso	30	35.2	47	1246.7
Puckett 13 Fed Com 25H	NWNE Sec. 13-T17S-31E-B	30-015-43785	Fren;Glorieta Yeso	24	35.3	25	1218.5

### Federal Lease: NMLC029415B (August 8<sup>th</sup> 12.5%) NMLC029415A (12.5%) CA NM 128662

Well Name	Location	API #	Pool 26770	BOPD	Gravities	MCFPD	Oil BTU
Puckett 13 Fed Com 7H	NENE Sec. 13-T17S-31E-A	30-015-39178	Fren;Glorieta Yeso	24	35.3	25	1218.5
Puckett 13 Fed Com 8H	SESE Sec. 12-T17S-31E-P	30-015-39658	Fren;Glorieta Yeso	26	35.5	43	1176.0
Puckett 13 Fed Com 17H	SESE Sec. 12-T17S-31E-P	30-015-43667	Fren;Glorieta Yeso	30	35.2	47	1246.7
Puckett 13 Fed Com 27H	SESE Sec. 12-T17S-31E-P	30-015-43872	Fren;Glorieta Yeso	26	35.5	43	1176.0
Puckett 13 Fed Com 38H	SESE Sec. 12-T17S-31E-P	30-015-43074	Fren;Glorieta Yeso	26	35.5	43	1176.0

\*These are proposed totals for these wells; once these wells are drilled the production information will be amended. I will submit BOPD & MCFPD for the Puckett 12 Federal Com #8H upon receipt.

Attached is a map displays the federal leases and well locations in Section 12 & 13 -T17S-R31E.

The BLM's interest in all <sup>10</sup> ~~six~~ wells have the same royalty rates. Our sliding scale leases have approved August 8<sup>th</sup> Determination letters giving them a 12.5% rate. Waste is not induced and no correlative rights are impaired.

## Oil & Gas metering:

The central tank battery is located on the pad for the Puckett 13 Fed Com #8H well located in SWSW, Sec. 12-T17S-R31E on federal lease NMLC 029415B. Flowlines from producing wells terminate into the test production header which serves as the inlet to the

tank battery. From the header, two wells can be put in test while the remaining wells are combined in the production header for separation and storage of produced fluids.

The two 3-phase horizontal test separators and associated metering devices have been sized for the expected range of fluid rates from the production wells. The sizing and calibration of this equipment ensures accurate measurement of produced fluids from a well test. Separate meters are used for measuring oil, water and gas. After fluids are separated oil and water flow rates are measured using turbine meters (Tester #1: (PO) #385030, Tester #2: (PO) #400309) and the gas flow rate is measured using an orifice meter (Tester #1: (PG) #D-280405, Tester #2: (PG) #D-260605). After measurement the fluids are recombined with the main production stream and routed to the 2-phase separator for processing.

Monthly gas and oil production will be allocated based on the percentage of each wells contribution as determined through well tests. This battery will handle a total of 6 horizontal wells. Each well will be tested at least once a month and the duration of each test will be a minimum of three days. The oil test meters will be proven as per API, NMOCD, and BLM specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter, the factor obtained will be used to allocate the production volumes. The gas test meters will be calibrated on a regular basis per API, NMOCD and BLM specifications.

Combined fluids from the production header and test separator will be routed to a 2-phase separator where gas and liquids are separated. Gas separated at this point is sent to the DCP Midstream CDP meter #727018-00. Liquids from this separator are routed to additional vessels for processing before being sent to the oil and water storage tanks. Any gas that flashes off during the additional processing stages is tied directly into the gas sales system upstream of the DCP Midstream CDP meter. This meter will be calibrated on a regular basis per API, NMOCD and BLM specifications.

The Puckett 13 Fed Com #8H battery will have three 500 BBL oil tanks that all wells will utilize. These oil tanks have a common delivery point on the northwest side of the location where oil can be sold through a pipeline LACT unit or hauled via trucking by Holly Transportation. Trucking oil sales volume is determined by gauging of sealed tanks before and after the truck is loaded in accordance with applicable API, NMOCD, and BLM specifications. Pipeline oil sales volume is determined by the LACT unit oil meter #935736. This meter will be proven as per API, NMOCD, and BLM specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter, the factor obtained will be used to allocate the production volumes.

Water from all producing wells will be separated through the use of a FWKO and heater-treater prior to being routed to the two 500 BBL water tanks. Water will then be transferred out of the tanks and tied into a Company owned SWD system. Bulk water leaving the facility is measured using a turbine meter.

Puckett 12 Fed Com #7H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Puckett 12 Fed Com #8H production will flow into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Puckett 13 Fed Com #5H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Puckett 13 Fed Com #6H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Puckett 13 Fed Com #7H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

Puckett 13 Fed Com #8H production flows into the test/production header and is routed through the process as described above. No other unique metering devices are included on this individual well.

The BLM and OCD will be notified of any future changes in the facilities.

**Process and Flow Descriptions:**

The flow of produced fluids is shown in detail on the enclosed facility diagram, along with a map which shows the lease boundaries, communization agreement boundaries, and location of wells, facility, and gas sales meter. The proposed commingling is appropriate based on the BLM's guidance in IM 2013-152. The proposed commingling will maximize the ultimate recovery of oil and/or gas from the federal leases and will reduce environmental impacts by minimizing surface disturbance and emissions. The proposed commingling will reduce operating expenses, as well as, not adversely affect federal royalty income, production accountability, or the distribution of royalty.

COG Operating LLC understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. ROW # NM128647.

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail (see attached).

Signed:

Printed Name: Kanicia Castillo

Title: Lead Regulatory Analyst

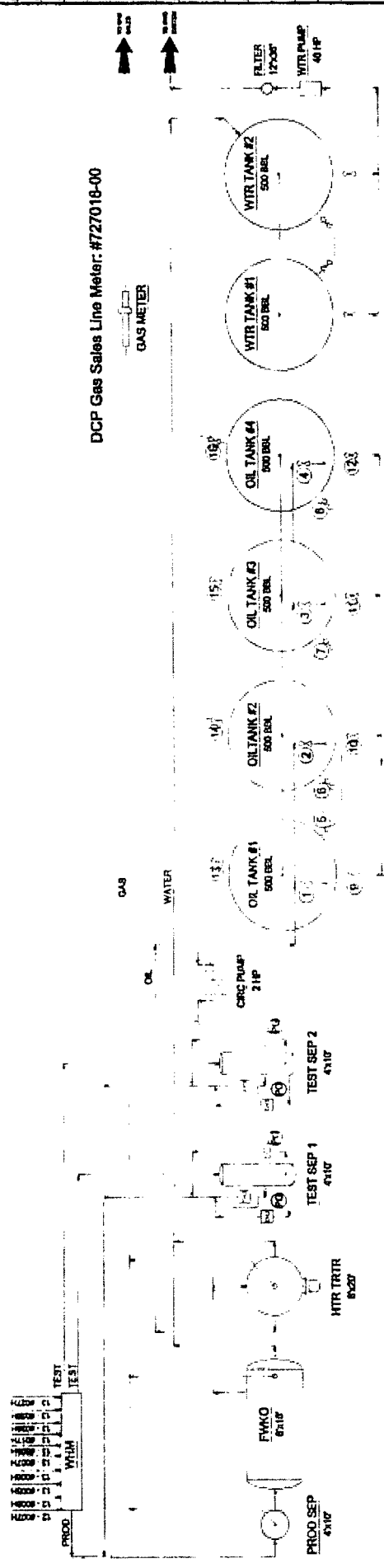
Date: 10.12.16

**PUCKETT 13 FEDERAL 8H BATTERY**  
 SESE SECTION 12, T17S, R31E, UNIT P  
 EDDY COUNTY, NM

**WELLS:**  
 PUCKETT 12 FEDERAL #007H, API#: 30-015-39476  
 PUCKETT 12 FEDERAL #008H, API#: 30-015-40737  
 PUCKETT 13 FEDERAL #005H, API#: 30-015-39657  
 PUCKETT 13 FEDERAL #006H, API#: 30-015-40736  
 PUCKETT 13 FEDERAL #007H, API#: 30-015-39178  
 PUCKETT 13 FEDERAL #008H, API#: 30-015-39658  
 PUCKETT 13 FEDERAL #017H, API#: 30-015-43667  
 PUCKETT 13 FEDERAL #038H, API#: 30-015-43074  
 PUCKETT 13 FEDERAL #025H, API#: 30-015-43785  
 PUCKETT 13 FEDERAL #027H, API#: 30-015-43872

**Production Phase - Oil Tank #1**  
 - Valve 1 open  
 - Valves 2, 3, and 4 closed  
 - Valves 5, 6, 7, and 8 open  
 - Valves 9, 10, 11, and 12 closed  
 - Valves 13, 14, 15, and 16 closed

**Sales Phase - Oil Tank #1**  
 - Valve 1 closed  
 - Valves 2, 3, or 4 open  
 - Valve 5 closed  
 - Valves 6, 7, and 8 open  
 - Valve 9 open  
 - Valves 10, 11, and 12 closed  
 - Valves 13, 14, 15, and 18 closed



DCP Gas Sales Line Meter: #727018-00

**Tester #1 Meters:**  
 (PO) #385030  
 (PG) #D-280405

**Tester #2 Meters:**  
 (PO) #400309  
 (PG) #D-280605

**COG Operating LLC**  
 Site Security Plans Located At:  
 One Concho Center  
 600 W. Illinois Ave.  
 Midland, TX 79701

**Ledger for Site Diagram**  
 Produced Fluid:  
 Produced Oil:  
 Produced Gas:  
 Produced Water:

LACT: #935736

NOTES		CONSENT NOTICE		WELL NAME		DATE		BY		DATE		BY		DATE		BY		DATE		BY	
COG Operating LLC 600 West Illinois Avenue Midland, Texas 79701		I, the undersigned, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief.		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]	
		I, the undersigned, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief.		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]	
		I, the undersigned, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief.		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]	
		I, the undersigned, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief.		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]	
COG Operating LLC 600 West Illinois Avenue Midland, Texas 79701		I, the undersigned, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief.		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]		DATE: 08/07/13 BY: [Signature]	



**NEW MEXICO SELF ASSIST  
 PRODUCTION FACILITIES**  
 PUCKETT 13 FEDERAL 8H BATTERY

# Economic Justification Work Sheet Puckett 13 Federal #8H Tank Battery

Commingling proposal for leases: NMLC029415B, NMNM029415A which includes CA NM128666, CA NM128662

Federal Lease NMLC029415B Royalty Rate 12.5%

Well Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Puckett 12	42	37.5	\$92.25	51	1222.2	\$6.00
Federal Com 7H						

Sulfur: 0.3786 wt.%

Puckett 13	27	35.2	\$92.25	94	1179.9	\$6.00
Federal Com 5H						

Sulfur: 0.5932 wt.%

Federal Lease NMLC029415B Royalty Rate 12.5%

NMLC029415A Royalty Rate 12.5%

CA NM128666

Well Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Puckett 13	30	35.2	\$92.25	47	1246.7	\$6.00
Federal Com 6H						

Sulfur: 0.5023 wt.%

Pucket 13  
Federal Com 25H

Federal Lease NMLC029415B Royalty Rate 12.5%

NMLC029415A Royalty Rate 12.5%

CA NM128662

Well Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Puckett 13	24	35.3	\$92.25	25	1218.5	\$6.00
Federal Com 7H						

Sulfur: 0.6017 wt.%

Puckett 13	26	35.5	\$92.25	43	1176.0	\$6.00
Federal Com 8H						

Sulfur: 0.5664 wt.%

Puckett 13  
Federal Com 17H

Puckett 13  
Federal Com 27H

Puckett 13  
Federal Com 38H

## Economic combined production

Federal Lease NMLC029415B Royalty Rate 12.5%

Federal Lease NMLC029415A Royalty Rate 12.5%

Facility Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Puckett 13	149	35.9	\$92.25	260	1203.3	\$6.00
Tank Battery						

Our HollyFrontier contract does not have specific language with respect to minimum or maximum gravity content. Generally, our purchasers can deduct for gravity greater than 45 degrees or 39 degrees or less but that is not the case for this lease.



equating to 92.25/bbl.

Commingling of Yeso production does not affect its market value.

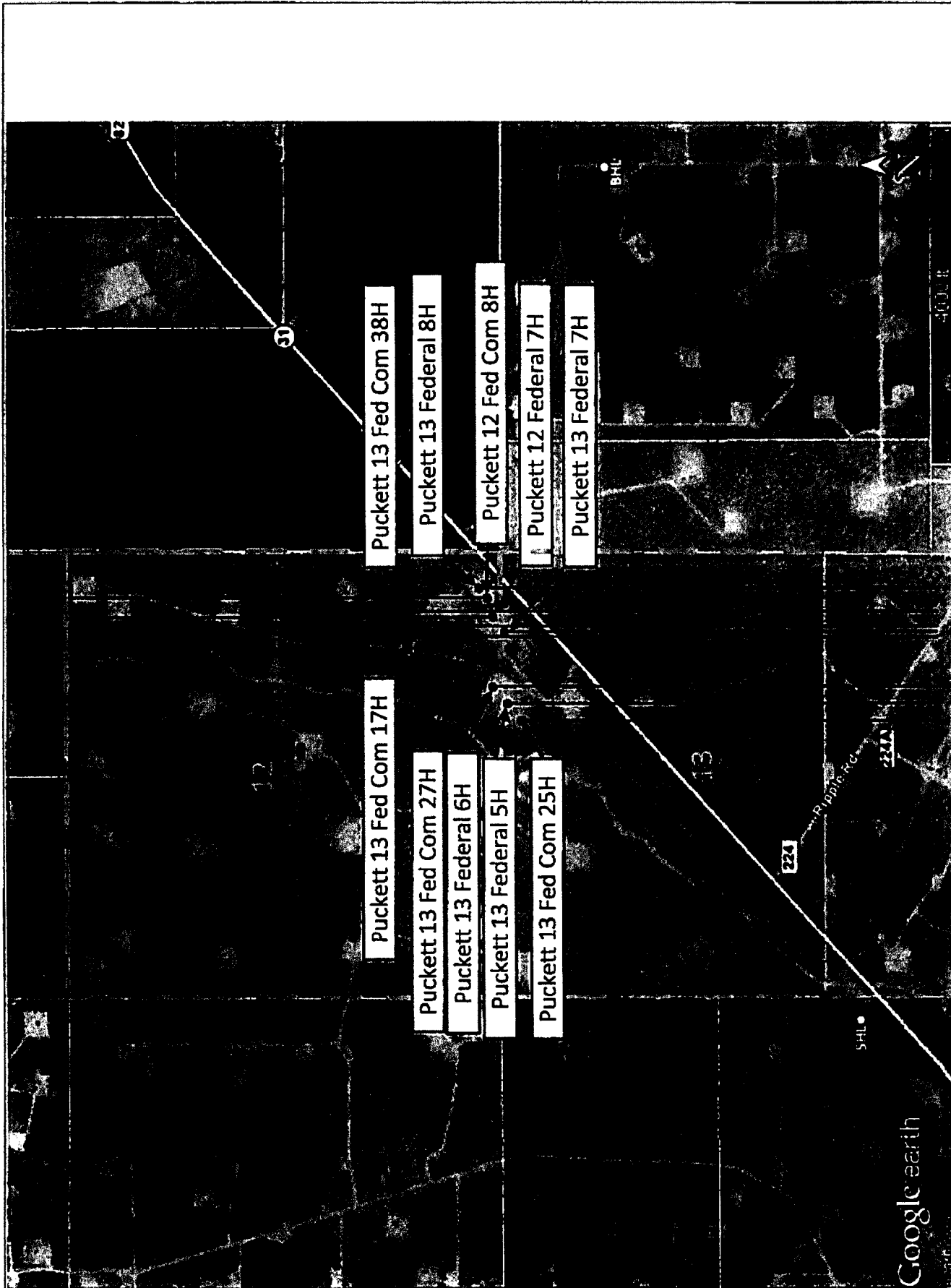
Signed:

CONFIDENTIAL

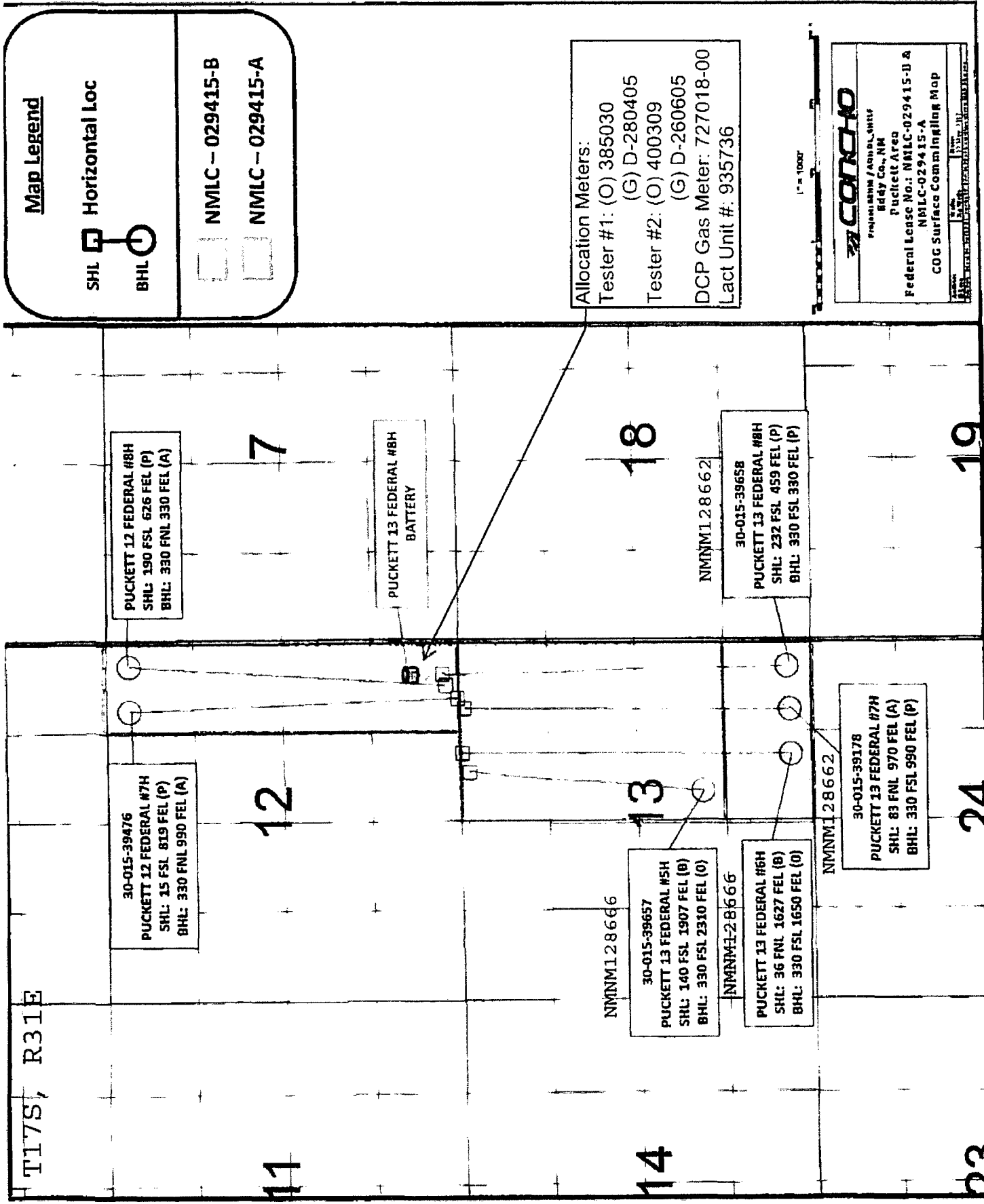
Printed Name: Kanicia Castillo

Title: Lead Regulatory Analyst

Date: 10/12/16

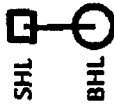


	Drawn By	Revised	Drawing Title	Description	Page
	Kevin Hinshaw	Oct 6, 2016	PUCKETT FEDERAL LEASE	COMMINGLE PERMIT - BATTERY MAP	1



Map Legend

SHL Horizontal Loc



NMLC - 029415-B

NMLC - 029415-A

Allocation Meters:  
Tester #1: (O) 385030  
(G) D-280405  
Tester #2: (O) 400309  
(G) D-260605  
DCP Gas Meter: 727018-00  
Lact Unit #: 935736

1" = 1000'

**CONCHO**  
FEDERAL BUREAU OF SURVEY  
Buddy Co., NM  
Puckett Area  
Federal Lease No.: NMLC-029415-B &  
NMLC-029415-A  
COG Surface Commingling Map

T17S, R31E

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

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

PUCKETT 13 FEDERAL #8H  
BATTERY

NMNM128666

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

NMNM1-28666

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

NMNM128662

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

NMNM128662

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

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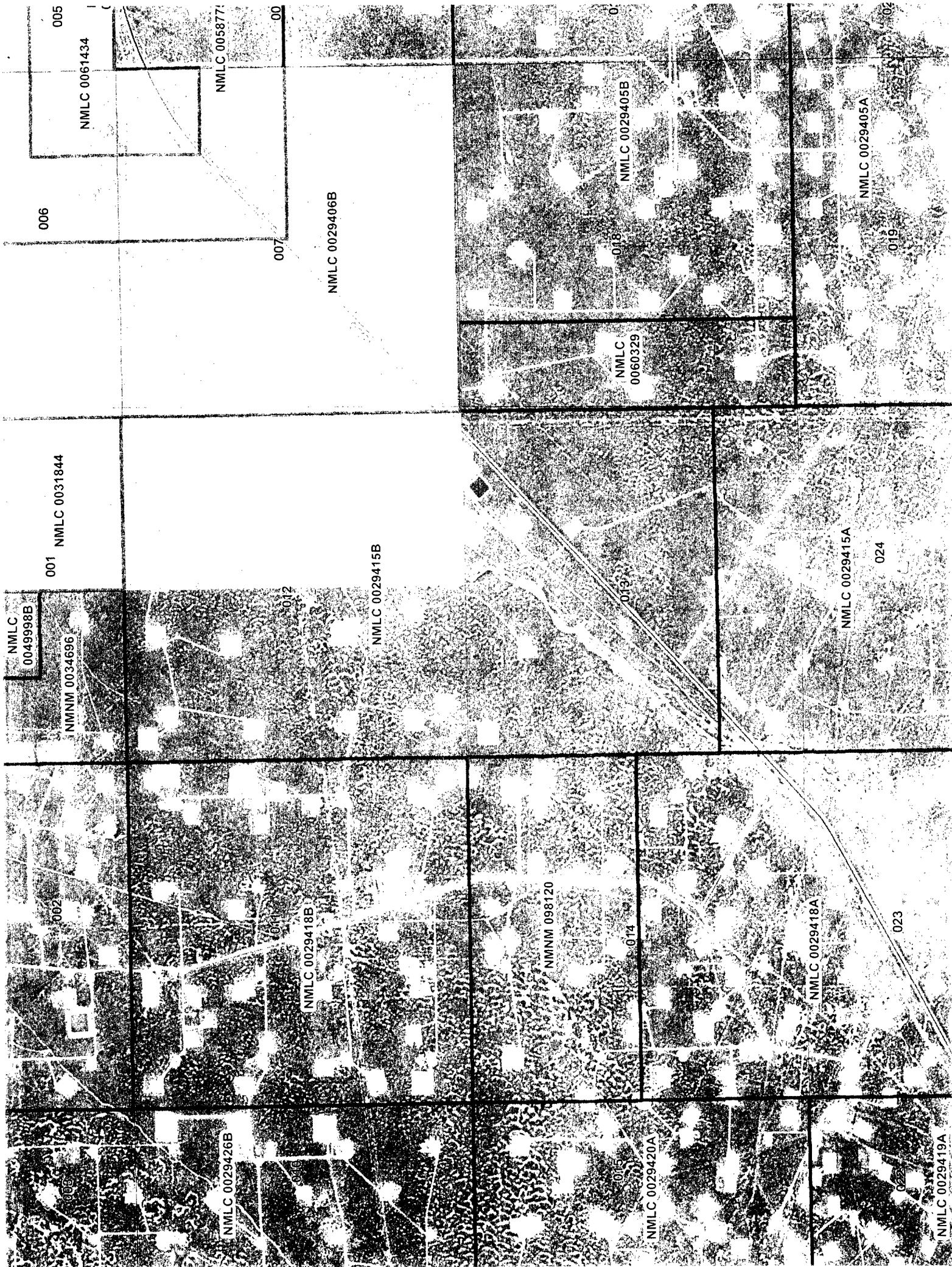
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NMNM 135869

NMNM 135871 NMLC 0049998B

NMNM 0034696

001 NMLC 0031844

NMNM 134224

NMNM 134086

NMLC 0029426B

NMLC 0029418B

NMLC 0029415B

NMLC 0029406B

NMLC 0058775

NMLC 0061434

005

006

007

008

NMLC 0029405B

NMLC 0060329

NMNM 128662

NMNM 128666

NMLC 0029418A

NMLC 0029415A

NMLC 0029405A

019

024

023

NMLC 0029420A



**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
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Run Date 10/12/2016

01 02-25-1920;041STAT0437;30USC226

Total Acres

Serial Number

Case Type 310781: O&G RENEWAL LEASE - PD

640.000

NMLC-- 0 029415A

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Serial Number: NMLC-- 0 029415A

Name & Address			Int Rel	% Interest
ALVIN M IVERSON JR TRUST	PO BOX 84	SPAVINAW OK 74366	OPERATING RIGHTS	0.000000000
ARD ENERGY GROUP LP	222 W 4TH ST PH 5	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
ARD OIL LP	222 W 4TH ST PH 5	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
BURNETT OIL CO	801 CHERRY ST #1500 UNIT #9	FORT WORTH TX 761026881	OPERATING RIGHTS	0.000000000
BURNETT OIL CO	801 CHERRY ST #1500 UNIT #9	FORT WORTH TX 761026881	LESSEE	18.135660000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CEI	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
CRANZ ROSE ANNE TRUSTEE	PO BOX 470037	FORT WORTH TX 761470037	OPERATING RIGHTS	0.000000000
E R HUDSON TRST 1	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	9.515620000
E R HUDSON TRUST #4	222 W 4TH ST #313	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
HUDSON ANN F	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
HUDSON EDWARD R JR	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
HUDSON JOSEPHINE T ESTATE OF	616 TEXAS ST	FORT WORTH TX 761024612	OPERATING RIGHTS	0.000000000
HUDSON WILLIAM A II	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	14.508880000
IVERSON CLAIRE ANN	2005 KIDWELL ST	DALLAS TX 75214	OPERATING RIGHTS	0.000000000
IVERSON FMLY INTER-VIVOS TRUST	206 BELLE MEADE CIR	EUFAULA OK 744322071	OPERATING RIGHTS	0.000000000
IVERSON SIEGFRIED JAMES III	PO BOX 4095	MIDLAND TX 79704	OPERATING RIGHTS	0.000000000
IVERSON WENDELL W	PO BOX 1343	MIDLAND TX 79702	OPERATING RIGHTS	0.000000000
IVERSON-PAGE PATSY	1155 MUIRLANDS VISTA WAY	LA JOLLA CA 92037	OPERATING RIGHTS	0.000000000
JAVELINA PARTNERS	616 TEXAS ST	FORT WORTH TX 761024612	OPERATING RIGHTS	0.000000000
JAVELINA PARTNERS	616 TEXAS ST	FORT WORTH TX 761024612	LESSEE	10.261710000
LEWIS H DELMAR LIVING TRUST	6300 RIDGLEA PL #1005 A	FORT WORTH TX 76116	LESSEE	19.031250000
LINDY'S LIVING TRUST	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	19.031250000
PERGANDE F HUDSON	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
WENDELL W IVERSON TRUSTEE	BOX 10508	MIDLAND TX 79702	OPERATING RIGHTS	0.000000000
WILLAM A HUDSON II	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
ZORRO PARTNERS LTD	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
ZORRO PARTNERS LTD	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	9.515630000

Serial Number: NMLC-- 0 029415A

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	01705	0310E	013	ALIQ	5252;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	01705	0310E	024	ALIQ	N2,N252;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMLC-- 0 029415A

Act Date	Code	Action	Action Remark	Pending Office
05/18/1936	387	CASE ESTABLISHED		
05/18/1936	496	FUND CODE	05;145003	
05/18/1936	553	CASE CREATED BY APPLN	OUT OF NMLC029415;	
05/18/1936	868	EFFECTIVE DATE		
12/02/1955	314	RENEWAL APLN FILED		
05/01/1956	242	LEASE RENEWED	THRU 04/30/66;	
11/18/1956	650	HELD BY PROD ACTUAL		
11/18/1956	658	MEMO OF 1ST PROD-ACTUAL		
01/17/1966	314	RENEWAL APLN FILED		

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Run Date	Serial	Description	Remarks
05/01/1966	242	LEASE RENEWED	THRU 04/30/76;
01/21/1976	314	RENEWAL APLN FILED	
05/01/1976	242	LEASE RENEWED	THRU 04/30/86;
01/24/1986	314	RENEWAL APLN FILED	
05/01/1986	242	LEASE RENEWED	THRU 04/30/96;
07/21/1986	140	ASGN FILED	
02/20/1987	567	ASGN RETURNED UNAPPROVED	WRONG FORM
03/03/1987	600	RECORDS NOTED	CT
03/16/1987	963	CASE MICROFILMED/SCANNED	CNUM 101,004
05/29/1987	909	BOND ACCEPTED	EFF 05/11/87;NM1055
12/01/1987	974	AUTOMATED RECORD VERIF	SSP
04/11/1988	932	TRF OPER RGTS FILED	
05/02/1988	933	TRF OPER RGTS APPROVED	EFF 05/01/88;
05/02/1988	974	AUTOMATED RECORD VERIF	HKG/JR
04/23/1990	140	ASGN FILED	WAHUDSON/FHHUDSONETAL
07/30/1990	139	ASGN APPROVED	EFF 05/01/90;
07/30/1990	396	TRF OF INTEREST FILED	REHUDSON/WAHUDSONETAL
07/30/1990	974	AUTOMATED RECORD VERIF	MRR/ML
10/30/1990	974	AUTOMATED RECORD VERIF	MRR/MT
07/07/1992	974	AUTOMATED RECORD VERIF	LO/MV
10/01/1992	621	RLTY RED-STRIPPER WELL	1.21/1/
11/05/1992	974	AUTOMATED RECORD VERIF	ANN/KRP
01/11/1993	625	RLTY REDUCTION APPV	/1/
06/28/1993	899	TRF OF ORR FILED	(1)
06/28/1993	899	TRF OF ORR FILED	(2)
06/28/1993	899	TRF OF ORR FILED	(3)
06/28/1993	899	TRF OF ORR FILED	(4)
06/28/1993	899	TRF OF ORR FILED	(5)
06/28/1993	899	TRF OF ORR FILED	(6)
07/15/1993	899	TRF OF ORR FILED	
02/01/1994	974	AUTOMATED RECORD VERIF	MV MV
07/14/1994	899	TRF OF ORR FILED	(1)
07/14/1994	899	TRF OF ORR FILED	(2)
07/14/1994	899	TRF OF ORR FILED	(3)
07/14/1994	899	TRF OF ORR FILED	(4)
07/18/1994	140	ASGN FILED	IVERSON/IVERSON ETAL
07/25/1994	140	ASGN FILED	IVERSON/JAVELINA ETAL
08/05/1994	899	TRF OF ORR FILED	(1)
08/05/1994	899	TRF OF ORR FILED	(2)
09/20/1994	899	TRF OF ORR FILED	
12/21/1994	139	ASGN APPROVED	(1)EFF 08/01/94;
12/21/1994	139	ASGN APPROVED	(2)EFF 08/01/94;
12/21/1994	974	AUTOMATED RECORD VERIF	DGT
12/22/1994	899	TRF OF ORR FILED	
03/22/1995	932	TRF OPER RGTS FILED	HUDSON/JAVELINA
06/07/1995	933	TRF OPER RGTS APPROVED	EFF 04/01/95;
06/07/1995	974	AUTOMATED RECORD VERIF	JLV
01/16/1996	314	RENEWAL APLN FILED	
03/21/1996	899	TRF OF ORR FILED	
04/01/1996	140	ASGN FILED	HUDSON/LINDY'S LIVING
05/01/1996	242	LEASE RENEWED	THRU 04/30/2016;
05/01/1996	530	RLTY RATE - 12 1/2%	/A/
05/01/1996	868	EFFECTIVE DATE	LAST RENEWAL
07/10/1996	139	ASGN APPROVED	EFF 05/01/96;
07/10/1996	974	AUTOMATED RECORD VERIF	MV/MV

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08/06/2010	139	ASGN APPROVED	EFF 07/01/2010;
08/06/2010	139	ASGN APPROVED	EFF 07/01/2010;1
08/06/2010	933	TRF OPER RGTS APPROVED	EFF 07/01/2010;
08/06/2010	933	TRF OPER RGTS APPROVED	EFF 07/01/2010;1
08/06/2010	974	AUTOMATED RECORD VERIF	MJD
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
08/11/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/2011;
08/11/2011	974	AUTOMATED RECORD VERIF	JS
01/25/2012	932	TRF OPER RGTS FILED	HUDSON II/ZORRO PAR;1
03/01/2012	246	LEASE COMMITTED TO CA	CA NM128662
03/01/2012	246	LEASE COMMITTED TO CA	CA NM128666
03/07/2012	932	TRF OPER RGTS FILED	BURNETT O/BURNETT ;1
03/07/2012	932	TRF OPER RGTS FILED	BURNETT O/COG OPERA;1
05/11/2012	933	TRF OPER RGTS APPROVED	EFF 02/01/12;
05/11/2012	974	AUTOMATED RECORD VERIF	JS
05/29/2012	933	TRF OPER RGTS APPROVED	1EFF 04/01/12;
05/29/2012	933	TRF OPER RGTS APPROVED	2EFF 04/01/12;
05/29/2012	974	AUTOMATED RECORD VERIF	ANN
11/08/2012	933	TRF OPER RGTS APPROVED	EFF 06/01/06;
11/08/2012	974	AUTOMATED RECORD VERIF	LBO
06/23/2014	899	TRF OF ORR FILED	1
09/08/2014	932	TRF OPER RGTS FILED	EDWARD R/ESTATE OF;1
12/05/2014	932	TRF OPER RGTS FILED	CLAIRE AN/T I G PRO;1
12/18/2014	933	TRF OPER RGTS APPROVED	EFF 10/01/14;
12/18/2014	974	AUTOMATED RECORD VERIF	DME
03/02/2015	957	TRF OPER RGTS DENIED	ESTATE PAPERS NEEDED
03/16/2015	933	TRF OPER RGTS APPROVED	EFF 03/01/16;
04/07/2015	974	AUTOMATED RECORD VERIF	JS
07/31/2015	932	TRF OPER RGTS FILED	TOPPIN-CR/ROSE ANNE;1
11/02/2015	933	TRF OPER RGTS APPROVED	EFF 08/01/15;
11/02/2015	974	AUTOMATED RECORD VERIF	JS
01/20/2016	140	ASGN FILED	HUDSON ED/JAVELINA;1
01/20/2016	932	TRF OPER RGTS FILED	HUDSON ED/JAVELINA 1
02/05/2016	932	TRF OPER RGTS FILED	YATES PET/COG OPERA;1
02/19/2016	139	ASGN APPROVED	EFF 02/01/16
02/19/2016	933	TRF OPER RGTS APPROVED	EFF 03/01/16
02/19/2016	974	AUTOMATED RECORD VERIF	EMR
03/16/2016	974	AUTOMATED RECORD VERIF	MJD

Serial Number: NMLC-- 0 029415A

Line Nr      Remarks

0001	
0002	/A AC 535 RLTY RATE 5% EFF 5/18/1936 TO 4 30/1956.
0003	AC 549 ROYALTY RATE 12.5-25% SCH C EFF 5/1 1956 THRU
0004	4/30/1996 AC530 RLTY RATE 12-1/2% EFF 5/1.1996
0005	THRU THE PRESENT
0006	03/03/1998 - BONDED OPERATOR
0007	WM A AND ED R HUDSON NM1055 - S/W
0008	BONDED OPERATOR(S) - 07/25/2001
0009	WM A II AND ED R HUDSON - NM1056 - S W
0010	10/26/2001 BONDED LESSEE
0011	BURNETT OIL CO INC NM0509 SW/NM
0012	BONDED OPERATOR - 12/31/2002
0013	WM A & ED R HUDSON - NM1055 S/W

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Run Date 10/12/2016

01 02-25-1920;041STAT0437;30USC226

Total Acres

Serial Number

Case Type 310771: O&G EXCHANGE LEASE - PD

1,920.000

NMLC-- 0 029415B

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Serial Number: NMLC-- 0 029415B

Name & Address			Int Rel	% Interest
ALVIN M IVERSON JR TRUST	PO BOX 84	SPAVINAW OK 74366	OPERATING RIGHTS	0.000000000
ARD ENERGY GROUP LP	222 W 4TH ST PH 5	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
ARD OIL LP	222 W 4TH ST PH 5	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
BURNETT OIL CO	801 CHERRY ST #1500 UNIT #9	FORT WORTH TX 761026881	OPERATING RIGHTS	0.000000000
BURNETT OIL CO	801 CHERRY ST #1500 UNIT #9	FORT WORTH TX 761026881	LESSEE	18.135660000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE. ONE CONCHO CE	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
CRANZ ROSE ANNE TRUSTEE	PO BOX 470037	FORT WORTH TX 761470037	OPERATING RIGHTS	0.000000000
DELMAR HUDSON LEWIS	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
E R HUDSON TRST 1	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	9.515620000
E R HUDSON TRUST #4	222 W 4TH ST #313	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
GLENROCK CAPITAL LLC	208 N MARKET ST STE 200	DALLAS TX 752023212	OPERATING RIGHTS	0.000000000
HUDSON ANN F	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
HUDSON EDWARD R JR	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
HUDSON JOSEPHINE T ESTATE OF	616 TEXAS ST	FORT WORTH TX 761024612	OPERATING RIGHTS	0.000000000
HUDSON WILLIAM A II	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	14.508880000
HUDSON WILLIAM A II	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
IVERSON CLAIRE ANN	2005 KIDWELL ST	DALLAS TX 75214	OPERATING RIGHTS	0.000000000
IVERSON SIEGFRIED JAMES III	PO BOX 4095	MIDLAND TX 79704	OPERATING RIGHTS	0.000000000
IVERSON WENDELL W	PO BOX 1343	MIDLAND TX 79702	OPERATING RIGHTS	0.000000000
IVERSON WENDELL W	PO BOX 10508	MIDLAND TX 79702	OPERATING RIGHTS	0.000000000
IVERSON-PAGE PATSY	1155 MUIRLANDS VISTA WAY	LA JOLLA CA 92037	OPERATING RIGHTS	0.000000000
JAVELINA PARTNERS	616 TEXAS ST	FORT WORTH TX 761024612	OPERATING RIGHTS	0.000000000
JAVELINA PARTNERS	616 TEXAS ST	FORT WORTH TX 761024612	LESSEE	10.261710000
LEWIS DELMAR H	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	19.031250000
LINDY'S LIVING TRUST	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	19.031250000
PERGANDE F HUDSON	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000
ZORRO PARTNERS LTD	616 TEXAS ST	FORT WORTH TX 76102	LESSEE	9.515630000
ZORRO PARTNERS LTD	616 TEXAS ST	FORT WORTH TX 76102	OPERATING RIGHTS	0.000000000

Serial Number: NMLC-- 0 029415B

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0170S	0310E	012	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0310E	013	ALIQ	N2,N2S2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0310E	024	ALIQ	S2S2	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0170S	0310E	025	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMLC-- 0 029415B

Act Date	Code	Action	Action Remark	Pending Office
05/17/1936	387	CASE ESTABLISHED		
05/18/1936	237	LEASE ISSUED		
05/18/1936	496	FUND CODE	5;145003	
05/18/1936	868	EFFECTIVE DATE		
08/08/1946	500	GEOGRAPHIC NAME	MALJAMAR FL	
08/08/1946	510	KMA CLASSIFIED		
04/01/1956	237	LEASE ISSUED		

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04/01/1956	530	RLTY RATE - 12 1/2%	AG
04/01/1956	534	RLTY RATE-SLIDING-SCH D	AG
04/01/1956	868	EFFECTIVE DATE	
11/13/1956	102	NOTICE SENT-PROD STATUS	
11/13/1956	650	HELD BY PROD - ACTUAL	
11/13/1956	658	MEMO OF 1ST PROD-ACTUAL	
02/16/1977	396	TRF OF INTEREST FILED	S J IVERSON
07/21/1986	140	ASGN FILED	DOYLE/MOORE & SHELTON
10/21/1986	269	ASGN DENIED	DOYLE/MOORE & SHELTON
10/28/1986	963	CASE MICROFILMED/SCANNED	CNUM 101,005 GLC
04/10/1987	932	TRF OPER RGTS FILED	
05/29/1987	909	BOND ACCEPTED	EFF 05/11/87;NM1055
08/17/1987	933	TRF OPER RGTS APPROVED	EFF 05/01/87;
08/26/1987	974	AUTOMATED RECORD VERIF	GEA/GO
01/23/1989	575	APD FILED	BTA OIL PRODUCERS CJ
02/16/1989	576	APD APPROVED	PUCKETT,8809 JV-P NO2
04/23/1990	140	ASGN FILED	WAHUDSON/FHHUDSON ETAL
07/30/1990	139	ASGN APPROVED	EFF 05, 01/90;
07/30/1990	396	TRF OF INTEREST FILED	REHUDSON/WAHUDSON ETAL
07/30/1990	974	AUTOMATED RECORD VERIF	MRR/ML
10/12/1990	575	APD FILED	WAHUDSON/ERHUDSON CE
10/24/1990	576	APD APPROVED	8809-JV-P-PUCKETT 1
10/01/1992	621	RLTY RED-STRIPPER WELL	2.9%;;1/
01/11/1993	625	RLTY REDUCTION APPV	/1/
08/05/1993	575	APD FILED	WM A & ED R HUDSON
10/04/1993	576	APD APPROVED	28809 JV-P PUCKETT
02/18/1994	974	AUTOMATED RECORD VERIF	LR
07 18/1994	140	ASGN FILED	IVERSON/IVERSON ETAL
07/25/1994	140	ASGN FILED	IVERSON/JAVELINA ETAL
12/21/1994	139	ASGN APPROVED	1)EFF 08/01/94;
12/21/1994	139	ASGN APPROVED	(2)EFF 08/01/94;
12/21/1994	974	AUTOMATED RECORD VERIF	DGT
03/22/1995	932	TRF OPER RGTS FILED	HUDSON/JAVELINA
06/07/1995	933	TRF OPER RGTS APPROVED	EFF 04/01/95;
06/07/1995	974	AUTOMATED RECORD VERIF	JLV
06/26/1995	576	APD APPROVED	33-PUCKETT B
06/28/1995	575	APD FILED	WILLIAM&EDWARD HUDSON
06/29/1995	575	APD FILED	WILLIAM&EDWARD HUDSON
07/26/1995	576	APD APPROVED	34-PUCKETT B
04/01/1996	140	ASGN FILED	HUDSON/LINDY'S LIVING
07/10/1996	139	ASGN APPROVED	EFF 05/01/96;
07/10/1996	974	AUTOMATED RECORD VERIF	MV/MV
01/14/1998	140	ASGN FILED	IVERSON/IVERSON
01/14/1998	140	ASGN FILED	NATIONSBANK/IVERSON
02/13/1998	140	ASGN FILED	J IVERSON/SULLIVAN
02/25/1998	932	TRF OPER RGTS FILED	IVERSON/IVERSON TTEE
02/26/1998	140	ASGN FILED	IVERSON III/HUDSON
02/26/1998	140	ASGN FILED	J IVERSON/HUDSON
02/26/1998	140	ASGN FILED	M IVERSON/HUDSON
02/26/1998	140	ASGN FILED	P IVERSON ETAL/HUDSON
02/26/1998	140	ASGN FILED	PAI INC/HUDSON
02/26/1998	140	ASGN FILED	S J IVERSON/HUDSON
02/26/1998	932	TRF OPER RGTS FILED	IVERSON III/HUDSON
02/26/1998	932	TRF OPER RGTS FILED	J IVERSON/HUDSON
02/26/1998	932	TRF OPER RGTS FILED	M IVERSON/HUDSON

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03/07/2012	932	TRF OPER RGTS FILED	BURNETT O/COG OPERA;1
05/03/2012	933	TRF OPER RGTS APPROVED	EFF 03/01/12;
05/03/2012	974	AUTOMATED RECORD VERIF	LBO
05/11/2012	933	TRF OPER RGTS APPROVED	EFF 02/01/12;
05/11/2012	974	AUTOMATED RECORD VERIF	JS
05/29/2012	933	TRF OPER RGTS APPROVED	1EFF 04/01/12;
05/29/2012	933	TRF OPER RGTS APPROVED	2EFF 04/01/12;
05/29/2012	974	AUTOMATED RECORD VERIF	ANN
07/15/2013	933	TRF OPER RGTS APPROVED	EFF 06/01/06;
07/15/2013	974	AUTOMATED RECORD VERIF	LBO
09/08/2014	932	TRF OPER RGTS FILED	EDWARD R/ESTATE OF;1
12/05/2014	932	TRF OPER RGTS FILED	CLAIRE AN/T I G PRO;1
12/18/2014	933	TRF OPER RGTS APPROVED	EFF 10/01/14;
12/18/2014	974	AUTOMATED RECORD VERIF	DME
03/02/2015	957	TRF OPER RGTS DENIED	ESTATE PAPERS NEEDED
04/20/2015	974	AUTOMATED RECORD VERIF	JS
07/31/2015	932	TRF OPER RGTS FILED	TOPPIN-CR/ROSE ANNE;1
11/02/2015	932	TRF OPER RGTS FILED	YATES PET/GLENROCK;1
11/02/2015	932	TRF OPER RGTS FILED	YATES PET/GLENROCK;2
11/02/2015	932	TRF OPER RGTS FILED	YATES PET/GLENROCK;3
11/02/2015	933	TRF OPER RGTS APPROVED	EFF 08/01/15;
11/02/2015	974	AUTOMATED RECORD VERIF	JS
12/14/2015	933	TRF OPER RGTS APPROVED	1EFF 12/01/15;
12/14/2015	933	TRF OPER RGTS APPROVED	2EFF 12/01/15;
12/14/2015	933	TRF OPER RGTS APPROVED	3EFF 12/01/15;
12/14/2015	974	AUTOMATED RECORD VERIF	LBO
01/20/2016	140	ASGN FILED	HUDSON ED/JAVELINA;1
01/20/2016	932	TRF OPER RGTS FILED	HUDSON ED/JAVELINA;1
02/19/2016	139	ASGN APPROVED	EFF 02/01/16;
02/19/2016	933	TRF OPER RGTS APPROVED	EFF 02/01/16;
02/19/2016	974	AUTOMATED RECORD VERIF	EMR

Serial Number: NMLC-- 0 029415B

Line Nr	Remarks
0002	SEC 12 OF THE ACT OF CONGRESS APRVD AUG 8, 1946:
0003	DETERMINED THAT THE FOLLOW LANDS TO BE WITHIN;
0004	PROD/NONPROD LIMITS OF ANY OIL OR GAS DEPOSITS;
0005	/A/AC 534 RLTY RATE SCH D EFF 4/01/56 FOR THE LANDS:
0006	LISTED BELOW: (PROD-LIMITS):
0007	T.17S , R. 31E., SEC. 13: N2SW SEC 24: S2S2;
0008	SEC 25: NE,N2NW,SENW,N2SE,SESE 640.00 ACRES;
0009	/B/AC 530 RLTY RATE 12 1/2% EFF 4/1/56 FOR THE LANDS
0010	LISTED BELOW: (NON-PROD LIMITS)
0011	T 17S., R. 31 E, SEC. 12: ALL, SEC. 13: N2,N2SE;
0012	SEC 25: SWNW,SW,SWSE 1280.00 ACRES;
0013	-
0014	WM A II & ED R HUDSON - NM1056 - S/W
0015	BONDED OPERATOR (S) - 01/07/2003
0016	ED R HUDSON - NM1055 - S/W
0017	BONDED OPERATOR - PER AFMSS
0018	04/22/2004 - HUDSON OIL CO OF TX - NM1055 - S/W;
0019	BONDED TRANSFEREE - PER ABSS
0020	04/22/2004 - MARBOB ENERGY CORP - NM2056 - S/W;
0021	02/23/2005 BURNETT OIL CO BONDED LESSEE NMB000197/SW

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

**BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(LIVE) SERIAL REGISTER PAGE**

Run Date/Time: 03/05/18 01:58 PM

Page 1 of 1

**01 02-25-1920;041STAT0437;30USC181**

**Total Acres**

**Serial Number**

**Case Type 318310: O&G COMMUNITIZATION AGRMT**

**160.000**

**NMNM-- - 128662**

**Commodity 410: NATURAL GAS**

**Case Disposition: AUTHORIZED Case File Juris: CARLSBAD FIELD OFFICE**

**Serial Number: NMNM-- - 128662**

Name & Address	Int Rel	%Interest
BLM CARLSBAD FO 620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD 0.000000000
COG OPERATING LLC 600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATOR 100.000000000

**Serial Number: NMNM-- - 128662**

Mer Twp	Rng	Sec	SType	Nr Suff	Subdivision	District/Resource Area	County	Mgmt Agency
23	0170S	0310E	013	ALIQ	E2E2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

**Serial Number: NMNM-- - 128662**

Act Date	Code	Action	Action Remarks	Pending Office
03/01/2012	387	CASE ESTABLISHED	PUCKETT 13 FED COM 8H	
03/01/2012	516	FORMATION	YESO	
03/01/2012	526	ACRES-FED INT 100%	160; 100%	
03/01/2012	868	EFFECTIVE DATE		
06/03/2012	654	AGRMT PRODUCING		
08/14/2012	334	AGRMT APPROVED		

**Serial Number: NMNM-- - 128662**

Line Nr	Remarks
0001	RECAPITULATION EFFECTIVE 03/01/2012
0002	TR# LEASE SERIAL# AC COMMITTED %INTEREST
0003	1 LC-029415A 40.00 25.00
0004	2 LC-029415B 120.00 75.00
0005	TOTAL 160.00 100.00

**BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(LIVE) SERIAL REGISTER PAGE**

Run Date/Time: 03/05/18 01:56 PM

Page 1 of 1

**01 02-25-1920;041STAT0437;30USC181**

**Total Acres**

**Serial Number**

**Case Type 318310: O&G COMMUNITIZATION AGRMT**

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**Case Disposition: AUTHORIZED Case File Juris: CARLSBAD FIELD OFFICE**

**Serial Number: NMNM-- - 128666**

**Name & Address**

**Int Rel**

**%Interest**

BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD	0.000000000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATOR	100.000000000

**Serial Number: NMNM-- - 128666**

**Mer Twp Rng Sec SType Nr Suff Subdivision**

**District/Resource Area**

**County**

**Mgmt Agency**

23	0170S	0310E	013	ALIQ	W2E2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
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**Serial Number: NMNM-- - 128666**

**Act Date**

**Code**

**Action**

**Action Remarks**

**Pending Office**

03/01/2012	387	CASE ESTABLISHED	PUCKETT 13 FED COM 5H
03/01/2012	516	FORMATION	YESO
03/01/2012	526	ACRES-FED INT 100%	160; 100%
03/01/2012	868	EFFECTIVE DATE	
06/14/2012	654	AGRMT PRODUCING	
06/14/2012	658	MEMO OF 1ST PROD-ACTUAL	
07/19/2012	334	AGRMT APPROVED	

**Line Nr Remarks**

**Serial Number: NMNM-- - 128666**

0001	RECAPITULATION EFFECTIVE 3/1/12			
0002	TR#	LEASE SERIAL#	AC COMMITTED	%INTEREST
0003	1	LC-029415A	40.00	25.00
0004	2	LC-029415B	120.00	75.00
0005	TOTAL		160.00	100.00



September 20, 2016

ARD Energy Group, LTD  
222 W. 4<sup>th</sup> Street, PH #5  
Fort Worth, TX 76102

**RE: Request for Surface Commingle Amendment to CTB-650**

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 Surface Commingle of production from the following wells to the Puckett 13 Fed Com 8H Central Tank Battery. We are requesting to add two more wells to the existing order:

Puckett 12 Fed Com 7H  
Eddy County, NM  
API # 30-015-39476  
Surface: 15 FSL & 819 FEL  
Sec 12, T17S, R31E, Unit P

Puckett 12 Fed Com 8H  
Eddy County, NM  
API # 30-015-40737  
Surface: 190 FSL & 626 FEL  
Sec 12, T17S, R31E, Unit P

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 6H  
Eddy County, NM  
API# 30-015-40736  
Surface: 36 FNL & 1627 FEL  
Sec 13, T17S, R31E, Unit B

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 8H  
Eddy County, NM  
API# 30-015-39658  
Surface: 232 FSL & 459 FEL  
Sec 12, T17S, R31E, Unit P

Puckett 13 Fed Com 17H  
Eddy County, NM  
API# 30-015-43667  
Surface: 1160 FSL & 640 FEL  
Sec 12, T17S, R31E, Unit P

Puckett 13 Fed Com 38H  
Eddy County, NM  
API# 30-015-43074  
Surface: 1180 FSL & 470 FEL  
Sec 12, T17S, R31E, Unit P

Puckett 13 Fed Com 25H  
Eddy County, NM  
API# 30-015-43785  
Surface: 250 FNL & 1965 FEL  
Sec 13, T17S, R31E, Unit B

Kanicia Castillo

Should you, or your company, have any objection, it must be filed in writing within twenty (20) days from the date of this notice to the New Mexico Oil Conservation Division at the following address: 1220 S St. Francis Drive, Santa Fe, New Mexico 87505. The Division Director may approve the Surface Commingle if no objection has been made within the 20 days after the application has been received. Please do not hesitate to reach us with any questions at the phone number given below.

Please see attached C-107B and facility diagram.

Sincerely,



Kanicia Castillo  
432.685.4332  
Lead Regulatory Analyst  
COG Operating LLC





DATE IN	SURFACE	ENGINEER	APPROVED IN	TYPE	APPROVED
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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]
- [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

- [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 KC Lead Regulatory Analyst 11/16/16  
 Print or Type Name Signature Title Date  
kcastillo@concho.com  
 e-mail Address

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: 600 W. Illinois Ave, Midland, TX 79701  
APPLICATION TYPE:

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

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☒ Yes ☐ No If "Yes", please include the appropriate Order No. CTB-650

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) Well test w/common ownership.

#### (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: KC

TITLE Lead Regulatory Analyst

DATE 11-17-2016

TYPE OR PRINT NAME Kanicia Castillo

TELEPHONE NO 432-685-4332

E-MAIL ADDRESS kcastillo@concho.com

State of New Mexico  
Energy, Minerals and Natural Resources Department

---

Susana Martinez  
Governor

Ken McQueen  
Cabinet Secretary

Matthias Sayer  
Deputy Cabinet Secretary

David R. Catanach, Division Director  
Oil Conservation Division



**ADMINISTRATIVE CENTRAL TANK BATTERY ORDER**

Administrative Order CTB-650-A  
Administrative Application Reference No. pMAM1704432891

March 3, 2017

**COG OPERATING LLC**  
Attention: Ms. Kanicia Castillo

COG Operating LLC (OGRID 229137) is hereby authorized to surface commingle oil and gas production from Fren; Glorieta-Yeso Pool (pool code 26770) located in Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico;

Lease:	Federal Lease NMLC 0029415B	
Description:	E/2 E/2 Section 12, Township 17 South, Range 31 East, NMPM	
Well:	Puckett 12 Federal Well No. 7H	API 30-015-39476
	Puckett 12 Federal Well No. 8H	API 30-015-40737
Lease:	Federal Communitization Agreement NMNM128662 and NMNM128666	
Description:	E/2 Section 12, Township 17 South, Range 31 East, NMPM	
Well:	Puckett 13 Federal Com. Well No. 5H	API 30-015-39657
	Puckett 13 Federal Com. Well No. 6H	API 30-015-40737
	Puckett 13 Federal Com. Well No. 7H	API 30-015-39178
	Puckett 13 Federal Com. Well No. 8H	API 30-015-39658
	Puckett 13 Federal Com. Well No. 17H	API 30-015-43667
	Puckett 13 Federal Com. Well No. 25H	API 30-015-43785
	Puckett 13 Federal Com. Well No. 27H	API 30-015-43872
	Puckett 13 Federal Com. Well No. 38H	API 30-015-43074

The combined project area for these wells include the E/2 E/2 of Section 12, and E/2 of Section 13 Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

The commingled and gas production from the wells detailed above shall be measured and sold at the Puckett 13 Federal Well No. 8H Central Tank Battery (CTB), located in Unit P, Section 12, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

Production from the subject wells shall be determined as follows:

The Puckett 12 Federal Well No. 7H and Puckett 12 Federal Well No. 8H which have identical ownership, oil and gas production shall be measured with a combination of well testing and metering. The Puckett 13 Federal Com. Well No. 5H, Puckett 13 Federal Com. Well No. 6H, Puckett 13 Federal Com. Well No. 7H, Puckett 13 Federal Com. Well No. 8H, Puckett 13 Federal Com. Well No. 17H, Puckett 13 Federal Com. Well No. 25H, and Puckett 13 Federal Com. Well No. 27H, and Puckett 13 Federal Com. Well No. 38H which have identical ownership, oil and gas production shall be measured with a combination of well testing and metering.

The allocation meters shall be calibrated quarterly in accordance with Rule 19.15.12.10.C (2).

This administrative order supersedes Administrative Order CTB-650, issued on August 3, 2012. The amended order allows for additional wells in the E/2 of Section 13.

The operator shall notify the Artesia District office of the Division prior to implementation of the commingling operations.

This administrative order is subject to like approval from the Bureau of Land Management.

Done at Santa Fe, New Mexico, on March 3, 2017.



**DAVID R. CATANACH**  
Director

DRC/mam

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

**Bureau of Land Management  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

Bureau of Land Management  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

**(See list of wells below)**

**COG Operating LLC**

March 5, 2018

**Condition of Approval**

**Commingling, Off lease/CA measurement, Storage and Sales of CA production**

1. This approval is subject to like approval by the New Mexico Oil Conservation Division.
2. This agency shall be notified of any spill or discharge as required by NTL-3A.
3. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
4. This approval does not constitute right-of-way approval for any off-lease activities. Within 30 days, an application for right-of-way approval must be submitted to the Realty Section if not already done.
5. Approval for combining production from various sources is a privilege which is granted to lessees for the purpose of aiding conservation and extending the economic life of leases. Applicants should be cognizant that failure to operate in accordance with the provisions outlined in the Authorized Officer's conditions of approval and/or subsequent stipulations or modifications will subject such approval to revocation.
6. Gas measurement for allocation must be measured as per Onshore Order #5 or 43 CFR 3175 and API requirements for sales meters.
7. All gas and oil subject to royalty shall be measured as per federal regulations and shall be reported to ONRR as required. All gas which is vented, flared or used on lease shall be reported as per 43 CFR 3179 to ONRR. All gas which is vented or flared shall be subject to royalty, unless prior approval was given by the authorized officer. These volumes are royalty bearing and shall be reported on OGOR "B" as disposition code "33".
8. This agency shall be notified of any change in sales method or location of sales point.
9. Additional wells and/or leases/CAs require additional commingling approvals.
10. Notify this office 24 Hrs. prior to any meter proving to allow time for an inspector to witness.

**Puckett 12 Fed 7H, Puckett 12 Fed 8H, Puckett 13 Fed 5H, Puckett 13 Fed Com 6H, Puckett 13 Fed Com 25H, Puckett 13 Fed Com 7H, Puckett 13 Fed Com 8H, Puckett 13 Fed Com 17H, Puckett 13 Fed Com 27H, Puckett 13 Fed Com 38H,**

**NMLC 029415A – Royalty Rate 12.5%**

**NMLC 029415B – Royalty Rate 12.5%**

**CA – NMNM128662, Leases NMLC029415A – 25% and NMLC029415B – 75%**

**CA – NMNM128666, Leases NMLC029415A – 25% and NMLC029415B – 75%**