

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCarlsbad Field Office
OCD Artesia
FORM APPROVED
NO. 1004-0137
Expires: January 31, 2018
Serial No.
NM121474**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 PRODUCTION LLC Contact: DEBORA WILBOURN E-Mail: dwilbourn@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-6958	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 PURPLE SAGE-WOLFCAMP (GAS)
		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 recompleat 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 REQUESTS APPROVAL TO SURFACE COMMINGLE PRODUCTION ON A SHARED WELL PAD.

COPPERHEAD 31 FEDERAL COM 3H SEC. 30, NENE, T26S-R29E, 30-015-43924
COPPERHEAD 31 FEDERAL COM 21H SEC. 30, NWNE, T26S-R29E, 30-015-44118

SEE ATTACHED DETAILED COMMINGLING INFORMATION, DIAGRAM AND MAPS.

SC 2-15-18
Accepted for record - NMOC

RECEIVED
ARTESIA DISTRICT
FEB 15 2018

14. I hereby certify that the foregoing is true and correct. Electronic Submission #403173 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Carlsbad Committed to AFMSS for processing by DUNCAN WHITLOCK on 02/05/2018 (18DW0062SE)	
Name (Printed/Typed) DEBORA WILBOURN	Title REGULATORY ANALYST - NM BASIN
Signature (Electronic Submission)	Date 02/02/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>J. D. W. Whitlock Jr.</u>	Title <u>TLPET</u>	Date <u>2/6/18</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>CFO</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.

(Instructions on page 2)

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

Additional data for EC transaction #403173 that would not fit on the form

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

NMNM136878
NMNM137596

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM137596	NMNM121474	COPPERHEAD 31 FEDERAL COMB	33-0115-44118-00-S1	Sec 30 T26S R29E NWNE 210FNL 1650FEL 32.020309 N Lat, 104.020523 W Lon
NMNM136878	NMNM121474	COPPERHEAD 31 FEDERAL COMB	33-0115-43924-00-S1	Sec 30 T26S R29E NENE 349FNL 773FEL 32.019787 N Lat, 104.017212 W Lon

Well Information & Flow Description

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY - proposal for Copperhead 31 Federal Com 3H and Copperhead 31 Federal Com 21H

COG Production LLC is requesting approval for central tank battery commingling of oil only for the following leases and wells:

Federal Lease# NMNM121474; Royalty Rate 12.5%; CA# NMNM136878

Well Name	Location	API#	Pool 98220	Oil BOPD	Gravity	Gas MCFPD	BTU
Copperhead 31 Federal Com 3H	Sec. 30, NENE T26S-R29E (SHL) Sec. 31, Lot 7 T26S-R29E (BHL)	30-015-43924	Purple Sage; Wolfcamp (gas)	364	59.4	4013	1270.4

Federal Lease# NMNM121474; Royalty Rate 12.5%; CA# NMNM137596

Well Name	Location	API#	Pool 98220	Oil BOPD	Gravity	Gas MCFPD	BTU
Copperhead 31 Federal Com 21H	Sec. 30, NWNE T26S-R29E (SHL) Sec. 31, Lot 6 T26S-R29E (BHL)	30-015-44118	Purple Sage; Wolfcamp (gas)	488	59.8	5070	1258.7

(See attached map showing federal lease, CA areas, wells and CTB locations.)

Pertinent Facts:

The Copperhead 31 Federal Com 3H & 21H have the same federal lease in common. Acreage dedication for the 3H is 25.60 acres and for the 21H is 26.27 acres. Separate lease boundaries have been created due to various fee leases that are included in the project areas, but are not common between the two wells. Also, due to proration unit issues that were created by the new Purple Sage Wolfcamp pool rules, COG Production LLC was required to apply for a Non-standard Proration Unit for the 21H well. This placed the 21H in a separate pooled unit and CA from the 3H well. In order to minimize surface disturbance in a very congested surface area, COG Production LLC proposes to use the existing pad at the 3H well as a central tank battery for both the 3H and 21H wells. This central tank battery facility will be named Copperhead 31 Federal A CTB.

Oil & Gas Metering:

The central tank battery is located at the Copperhead 31 Federal Com 3H well pad in the NE/4NE/4 of Section 30-T26S-R29E on federal lease NMNM121474, in Eddy County, NM. The production from each well is routed through segregated production and separation trains.

Coriolis meters are installed in each train immediately downstream from the FWKO separators. These meters will be proven, as per API, NMOCD and BLM specifications when installed, once per month for the first three months (to establish a consistent repeatability factor), and then quarterly thereafter. The factor obtained will be used to allocate the production volumes. Commingling of the oil streams occurs downstream from each of the FWKOs – 3H Coriolis meter #14699031 and 21H Coriolis meter #14687409 will be used for the allocation of oil. There are four oil tanks at the central tank battery that will be utilized by both wells. The FMP for the commingled oil will be the Lact Unit meter #1508E10070 or truck load for emergency use Oil Tank 1 tank #86306534-1 until such time that BLM issues a FMP number.

Gas allocation meters are installed in each train immediately downstream from the vertical inlet separators. These meters will be named as the FMPs, (Well #3H meter #88522261 & well #21H meter #88522287) for each of the wells. These meters will meet API and AGA standards and will be calibrated on a regular basis per API, NMOCD and BLM specifications. VRU gas will be measured at allocation meter #88522288 and allocated back to each well based on monthly oil production from said wells. These meter numbers will be used until such time that BLM issues FMP numbers.

In the event changes are made to these facilities, the BLM and OCD will be notified.

Process and Flow Descriptions:

The flow of production is shown in detail on the attached facility diagram and map, which shows the lease boundaries, communitization agreement boundaries, location of wells, oil and gas FMPs. COG Production LLC believes the separation of production and commingling of oil storage, measurement, and sales is the most effective and economical means of producing the reserves and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce operating expenses, as well as, reduce the surface facility footprint and overall emissions. It is also understood that the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

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

Signed: _____

Printed Name: Debora L. Wilbourn

Title: Regulatory Analyst

Date: _____

WELLS:
COPPERHEAD 31 FEDERAL COM #003H: 30-015-43924
COPPERHEAD 31 FEDERAL COM #021H: 30-015-44118

OIL METERS
3H Alloc Meter
LO3: #14699031
221H Alloc Meter
LO1: #14687409

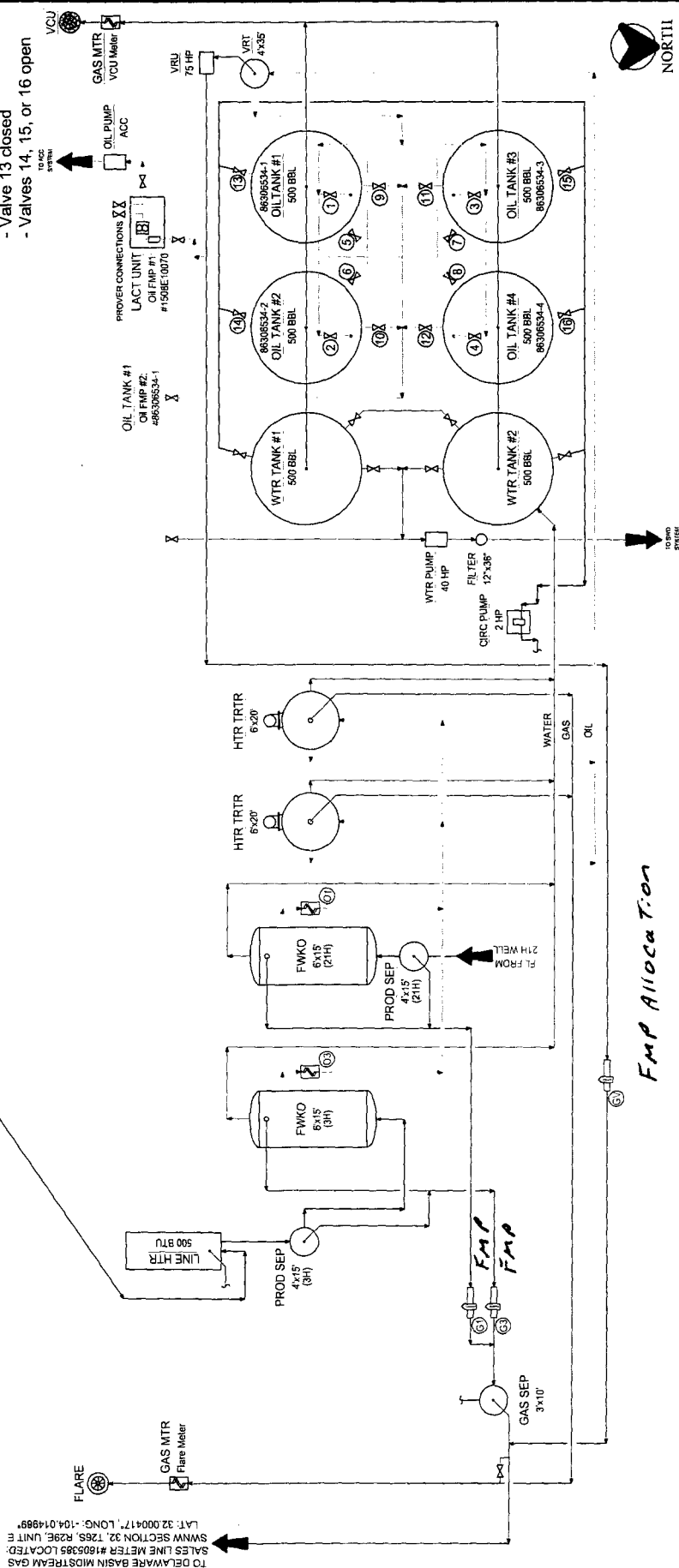
GAS METERS
 #314 FMP Meter.
 (G3) #88522261
 #214 FMP Meter
 (G1) #88522287
 VRU Meter
 (GV) #88522288

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
- Valve 13 open
- Valves 14, 15, and 16 closed

Sales Phase - Oil Tank #1

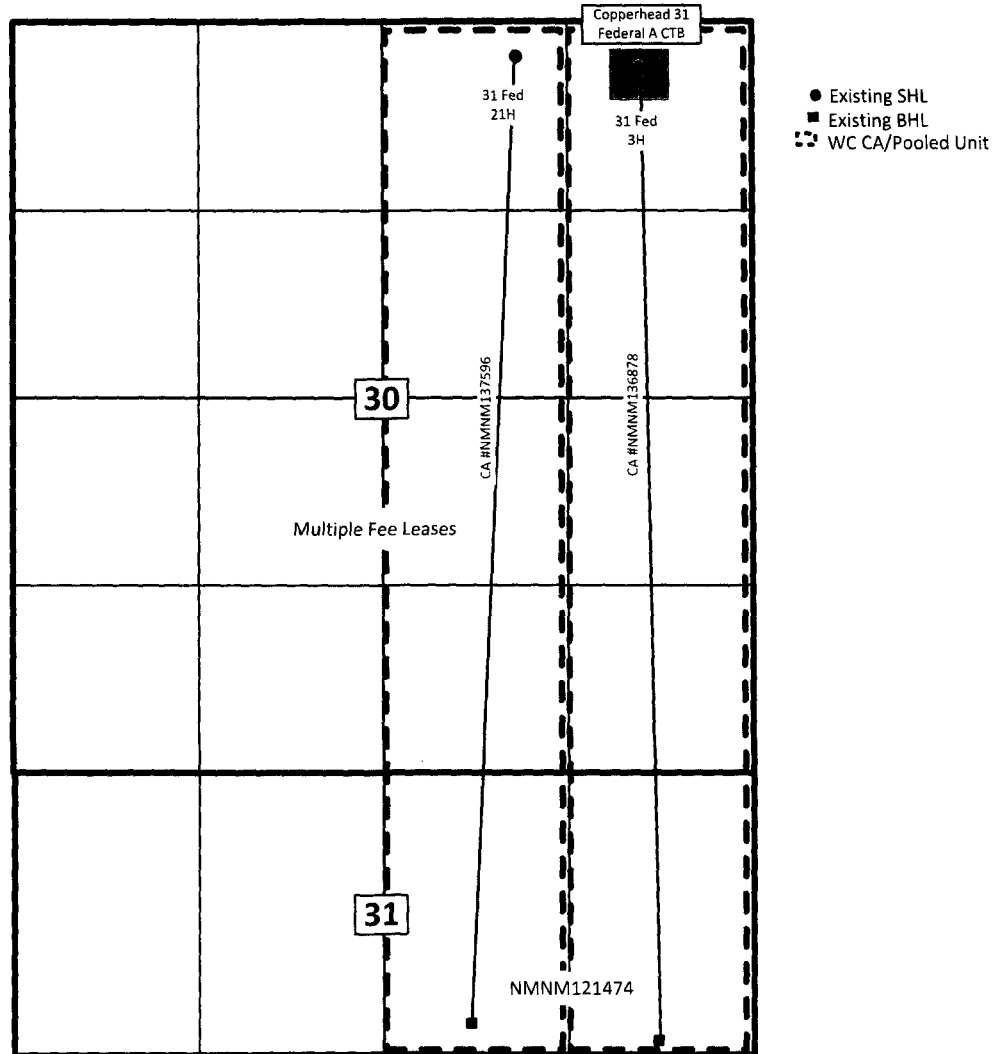
- Valve 1 closed
- Valves 2, 3, or 4 open
- Valve 5 closed
- Valves 6, 7, and 8 open
- Valve 9 open
- Valves 10, 11, and 12 closed
- Valve 13 closed
- Valves 14, 15, or 16 open



Emp Allocation

[illegible]

Copperhead 31 Federal Com 3H & 21H Lease Map



Sec. 19, 30, 31-T26S-R29E
Eddy County, NM

Copperhead 31 Federal A CTB
Sec. 30, T26S-R29E
Eddy County, NM

Copperhead 31 FC 21H SHL

Property 2002

Copperhead 31 FC 3H Battery

30

29

31

32

285

Catfish Rd

726

2017 0626

COPPERHEAD 31 FEDERAL 3H & COPPERHEAD 31 FEDERAL 21H - SURFACE COMMINGLING & OLM (CTB)

First	Last	Company	Address1	Address2	City	St	Zip	Certified Return Receipt#
		Bureau of Land Management	301 Dinosaur Trail		Santa Fe	NM	87508	7017 3040 0000 2540 3068
		Carmex, Inc.	P. O. Box 1718		Carlsbad	NM	88221-1718	7017 3040 0000 2540 2559
		Chevron USA, Inc.	P. O. Box 730436		Dallas	TX	75373-0436	7017 3040 0000 2540 2566
		Dew Minerals & Investments LLC	13231 Thormoak Lane		Houston	TX	77070	7017 3040 0000 2540 2573
		Foundation Minerals LLC	P. O. Box 50820		Midland	TX	79710	7017 3040 0000 2540 2580
		HRH Properties LTD	P. O. Box 9432		Midland	TX	79708	7017 3040 0000 2540 2597
		J & J Sigler Family LP	7734 Top Hill Lane		Dallas	TX	75248	7017 3040 0000 2540 2603
		James A. Walton Oil & Gas LP	P. O. Box 2514		Midland	TX	79702	7017 3040 0000 2540 2610
		Malaga Royalty LLC	P. O. Box 2054		Midland	TX	79702	7017 3040 0000 2540 2627
		Mavros Minerals LLC	P. O. Box 50820		Midland	TX	79710	7017 3040 0000 2540 2634
		MBJW Limited Partnership	P. O. Box 187		Midland	TX	79702	7017 3040 0000 2540 2641
		Oak Valley Mineral & Land LP	P. O. Box 50820		Midland	TX	79710	7017 3040 0000 2540 2658
		OGX Royalty Fund LP	P. O. Box 2064		Midland	TX	79702	7017 3040 0000 2540 2665
		Oxy USA, Inc.	P. O. Box 841803		Dallas	TX	75284	7017 3040 0000 2540 2672
		Ray Properties	Attn: Smith Ray	P. O. Box 37207	Houston	TX	77237-7207	7017 3040 0000 2540 2689
		West Penn Consulting LLC	P. O. Box 11373		Midland	TX	79702	7017 3040 0000 2540 2696
		Yakka Operations, LLC	P. O. Box 2078		Abilene	TX	79604	7017 3040 0000 2540 2702
Steven Scott	Baze		428507 East 1960 Rd.		Rattan	OK	74562	7017 3040 0000 2540 2719
Russell Joe	Baze		P. O. Box 207		Rattan	OK	74562	7017 3040 0000 2540 2726
Robby Gene	Baze		428483 East 1960 Rd.		Rattan	OK	74562	7017 3040 0000 2540 2733
Mark Randall	Baze		P. O. Box 313		Rattan	OK	74562	7017 3040 0000 2540 2740
Johnny Wayne	Baze		429822 East 1931 Rd.		Rattan	OK	74562	7017 3040 0000 2540 2757
John Henry	Baze		428547 East 1960 Rd.		Rattan	OK	74562	7017 3040 0000 2540 2764
Mary Lou	Cassidy		P. O. Box 96		Midland	TX	79702	7017 3040 0000 2540 2771
John E.	Cassidy		P. O. Box 177		Dripping Springs	TX	78528	7017 3040 0000 2540 2788
Steven Michael	Emmet		6840 Dogwood Lane		North Richland Hills	TX	76182	7017 3040 0000 2540 2795
Robert K.	Emmet		8860 Night Wind Lane		Fort Worth	TX	76244	7017 3040 0000 2540 2801
Sean Richard	Emmet		3944 Dunhaven Road		Dallas	TX	75220	7017 3040 0000 2540 2818
Valerie	Evans		1628 Stainback Road		Red Oak	TX	75154	7017 3040 0000 2540 2825
Mary Louise	Ferguson		P. O. Box 626		Eastland	TX	76448	7017 3040 0000 2540 2832
Mary Louise	Ferguson, Trustee		1011 West 14th St.		Cisco	TX	76437	7017 3040 0000 2540 2849
Gayle D.	Fogelson		P. O. Box 800157		Dallas	TX	75380	7017 3040 0000 2540 2856
Nancy A.	Graves		455 Orchard Creek Drive		Farmington	AR	72730	7017 3040 0000 2540 2863
Harry Lee	Harrison, Jr.		P. O. Box 60426		Midland	TX	79711	7017 3040 0000 2540 2870
Clara F. Walvoord	Hudspeth		3816 Bow Creek		Plano	TX	75025	7017 3040 0000 2540 2887
Richard	Hulett		14525 Highway 6		Eastland	TX	76448	7017 3040 0000 2540 2894
Shirley R.	Ireland		2406 Haynes Dr.		Midland	TX	79705	7017 3040 0000 2540 2900
Mason C. Johnston	2016 Trust U/W	Tommie D. Rutland Dec'd	Michael J. Willey, Trustee	13523 Pemberwick Park Lane	Houston	TX	77070-3464	7017 3040 0000 2540 2917
Carol	Leonard	Gary C. Leonard	202 N. Concho Dr.		Sonora	TX	76950	7017 3040 0000 2540 2924
Dorothy H.	Martyn		P. O. Box 224		Quanah	TX	79252	7017 3040 0000 2540 2931
Marshallyn	McGahey	Lynn Dee McGahey Smith-Nienhaus, POA	Edward Jones Trust Company	P. O. Box 66503	St. Louise	MO	63166	7017 3040 0000 2540 2948
Sandra Hulett	Melton		3618 60th St.		Lubbock	TX	79413	7017 3040 0000 2540 2955
Franklin Terry	Perkins, Jr.	Susan Perkins	1921 Autumn Dr.		Keller	TX	76262	7017 3040 0000 2540 2962
Jane A.	Sigler	Jimmie B. Sigler	DBA J & J Sigler LP	7734 Top Hill Lane	Dallas	TX	75248	7017 3040 0000 2540 2979
Mary Elizabeth	Vanderhider		5214 West Ridge Place		Houston	TX	77041	7017 3040 0000 2540 2986
Juddkins T.	Walton		3101 Gulf Ave.		Midland	TX	79705	7017 3040 0000 2540 2993
Alvin F.	Walvoord, Jr.		2805 Lockheed Drive		Midland	TX	79701	7017 3040 0000 2540 3006
Robert K.	Whitt		3300 N. A St., Bldg 2-101		Midland	TX	79705	7017 3040 0000 2540 3013
Charles R.	Wiggins		P. O. Box 10862		Midland	TX	79702	7017 3040 0000 2540 3020

COPPERHEAD 31 FEDERAL 3H & COPPERHEAD 31 FEDERAL 21H - SURFACE COMMINGLING & OLM (CTB)

First	Last	Company	Address1	Address2	City	St	Zip	Certified Return Receipt#
Diane E. Willey	2016 Trust U/W	Tommie D. Rutland Dec'd	Michael J. Willey, Trustee	13523 Pemberwick Park Lane	Houston	TX	77070-3464	7017 3040 0000 2540 3037
Elizabeth P. Willey	2016 Trust U/W	Tommie D. Rutland Dec'd	Michael J. Willey, Trustee	13523 Pemberwick Park Lane	Houston	TX	77070-3464	7017 3040 0000 2540 3044
Nicholas E. Willey	2016 Trust U/W	Tommie D. Rutland Dec'd	Michael J. Willey, Trustee	13523 Pemberwick Park Lane	Houston	TX	77070-3464	7017 3040 0000 2540 3051

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 RD., 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 30-015-43924	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (gas)
Property Code 38529	Property Name COPPERHEAD 31 FEDERAL COM	Well Number 3H
OGRID No. 217955	Operator Name COG PRODUCTION, LLC	Elevation 2941.6'

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	30	26-S	29-E		349	NORTH	773	EAST	EDDY

Bottom Hole Location If Different From Surface

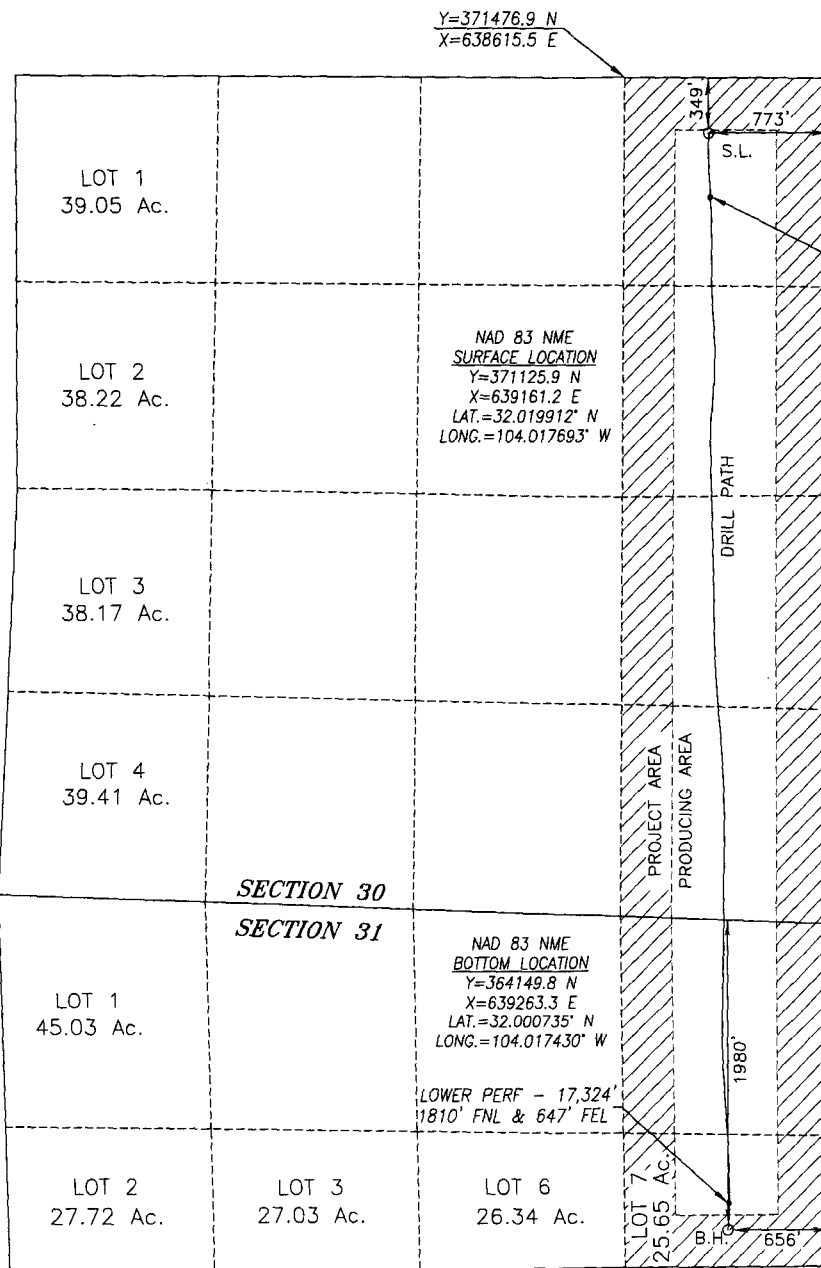
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
7	31	26-S	29-E		1980	NORTH	656	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
225.60			

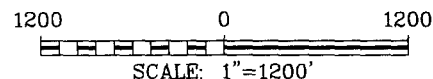
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code	Property Name COPPERHEAD 31 FEDERAL COM	Well Number 3H
OGRID No.	Operator Name COG PRODUCTION, LLC	Elevation 2941.6'



BOREPATH SHOWN HEREON IS BASED ON
DIRECTIONAL SURVEY REPORT PROVIDED BY
COG PRODUCTION LLC FOR THE COPPERHEAD
31 FEDERAL COM 3H SUPPLIED TO HARCROW
SURVEYING, LLC ON DECEMBER 20, 2016



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

Date

Debora L. Wilbourn

Printed Name

dwilbourn@concho.com

E-mail Address

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.

AUGUST 3, 2016/DECEMBER. 20, 2016

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad L. Harcrow 1/26/18

Certificate No. CHAD HARCROW 17777

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8161 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 RD., AZTEC, NM 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

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 30-015-44118	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (gas)
Property Code 38529	Property Name COPPERHEAD 31 FEDERAL COM	Well Number 21H
OGRID No. 217955	Operator Name COG PRODUCTION, LLC	Elevation 2928.8'

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	30	26-S	29-E		210	NORTH	1650	EAST	EDDY

Bottom Hole Location If Different From Surface

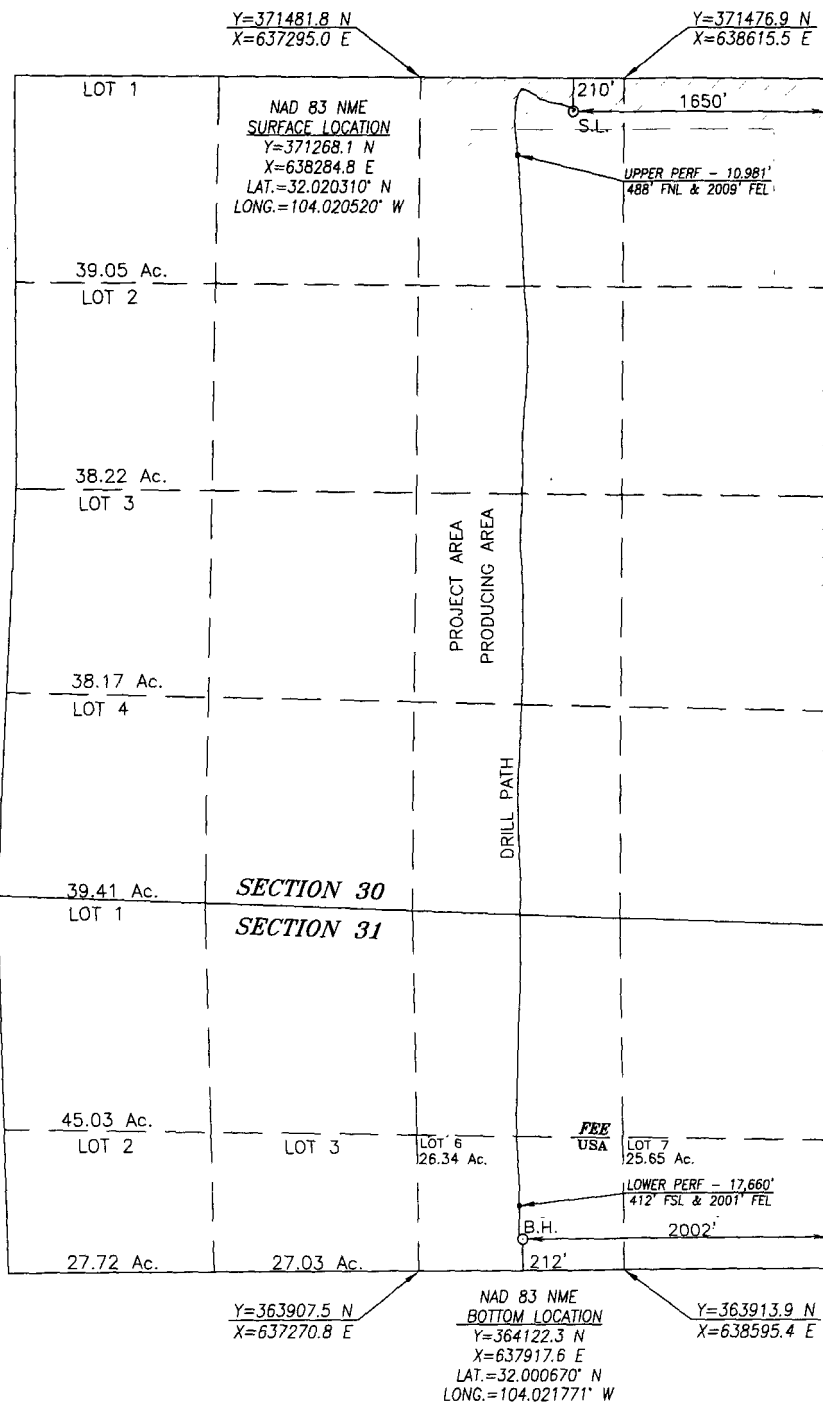
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
6	31	26-S	29-E		212	SOUTH	2002	EAST	EDDY

Dedicated Acres 226.34	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

SEE PAGE 2

Property Code	Property Name COPPERHEAD 31 FEDERAL COM	Well Number 21H
OGRID No.	Operator Name COG PRODUCTION, LLC	Elevation 2928.8'



BOREPATH SHOWN HEREON IS BASED ON
DIRECTIONAL SURVEY REPORT PROVIDED BY
CONCHO FOR THE COPPERHEAD 31 FEDERAL
COM #21H SUPPLIED TO HARCROW SURVEYING,
LLC ON AUGUST 30, 2017.

1200 0 1200
SCALE: 1"=1200'

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

Date

Debora L. Wilbourn

Printed Name

dwilbourn@concho.com

E-mail Address

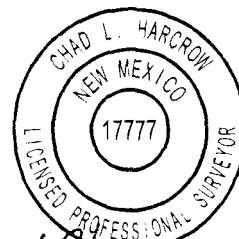
SURVEYOR CERTIFICATION

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.

MARCH 23, 2017/ MAY 15, 2017

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 9/7/17

Certificate No. CHAD HARCROW 17777

PAGE 2 OF 2 W.O. # 17-1059 DRAWN BY: AF

01 12-22-1987;101STAT1330;30USC181 ET SE

Case Type: O&g lse comp pd -1987

Serial Number: NMNM 121474

Commodity: Oil & gas

Acres: 51.870

Disposition: Authorized

Lessee

<u>Owner Name</u>	<u>Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>	<u>Net Acres</u>	<u>%Int</u>
COG PRODUCTION LLC	600 W ILLINOIS AVE	MIDLAND	TX	79701	51.870	100.00

Operating Rights

<u>Owner Name</u>	<u>Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>	<u>Net Acres</u>	<u>%Int</u>
OXY USA INC	PO BOX 4294	HOUSTON	TX	77210-4294	0.000	0.00

Meridian: New Mex

State: NM

County: Eddy

Township: 26 S

Range: 29 E

Admin Agency
Section: 31

6,7;

BUREAU OF LAND MGMT

<u>Code</u>	<u>Action</u>	<u>Date</u>	<u>Remarks</u>
387	Case established	9/4/2008	200810007;
299	Protest filed	10/7/2008	WILD EARTH GUARD
299	Protest filed	10/7/2008	WSTRN ENVIR LAW CNTR
191	Sale held	10/22/2008	
267	Bid received	10/22/2008	\$33800.00;
298	Protest dismissed	12/10/2008	WILD EARTH GUARD
237	Lease issued	12/22/2008	
974	Automated record verif	12/22/2008	MJD
298	Protest dismissed	12/30/2008	WSTRN ENVIR LAW CNTR
496	Fund code	1/1/2009	05;145003
530	Rlty rate - 12 1/2%	1/1/2009	
868	Effective date	1/1/2009	
246	Lease committed to ca	5/1/2011	/1/ NM126824;
643	Production determination	8/29/2011	/1/ NM126824;
650	Held by prod - actual	8/29/2011	/1/ NM126824;
658	Memo of 1st prod-actual	8/29/2011	/1/ NM126824;
899	Trf of orr filed	9/19/2011	1

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
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01 02-25-1920;041STAT0437;30USC181
Case Type 318310: O&G COMMUNITIZATION AGRMT
Commodity 459: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
226.270

Serial Number
NMNM 137596

Serial Number: NMNM-- - 137596

Name & Address	Int Rel	% Interest
BLM CARLSBAD FO 620 E GREENE ST CARLSBAD NM 88220	OFFICE OF RECORD	0.000000000
COG PRODUCTION LLC 600 W ILLINOIS AVE MIDLAND TX 79701	OPERATOR	100.000000000

Serial Number: NMNM-- - 137596

Mer	Twp	Rng	Sec	SType	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0260S	0290E	030	ALIQ			W2E2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0260S	0290E	031	LOTS			6;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0260S	0290E	031	ALIQ			NWNE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- - 137596

Serial Number: NMNM-- - 137596

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
04/28/2017	387	CASE ESTABLISHED		
04/28/2017	516	FORMATION	WOLFCAMP;	
04/28/2017	525	ACRES-NONFEDERAL	200.00;88.39%	
04/28/2017	526	ACRES-FED INT 100%	26.27;11.61%	
04/28/2017	868	EFFECTIVE DATE	/A/	
08/15/2017	654	AGRMT PRODUCING	NMNM137596,21H	
09/20/2017	580	PROPOSAL RECEIVED	CA RECD	
01/19/2018	334	AGRMT APPROVED		
01/19/2018	690	AGRMT VALIDATED		

Serial Number: NMNM-- - 137596

Line Number	Remark Text
0001	/A/RECAPITULATION EFFECTIVE 04/28/2017
0002	TR# LEASE SERIAL NO AC COMMITTED % INTEREST
0003	1 FEE 40.00 17.68
0004	2 FEE 40.00 17.68
0005	3 FEE 80.00 35.35
0006	4 FEE 40.00 17.68

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

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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Line Number	Remark Text	Serial Number: NMNM-- - 137596		
0007	5 NMNM121474	26.27	11.61	
0008	TOTAL	226.27	100.00	



Serial Register Page

Feb 02, 2018

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

Case Type: O&g communitization agrmt

Serial Number: NMNM 136878

Commodity: Oil & gas

Acres: 225.600

Disposition: Authorized

Office Of Record

<u>Owner Name</u>	<u>Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>	<u>Net Acres</u>	<u>%Int</u>
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD	NM	88220	0.000	0.00

Operator

<u>Owner Name</u>	<u>Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>	<u>Net Acres</u>	<u>%Int</u>
COG PRODUCTION LLC	600 W ILLINOIS AVE	MIDLAND	TX	79701	225.600	100.00

Meridian: New Mex

State: NM

County: Eddy

Township: 26 S

Range: 29 E

Admin Agency

Section: 30 E2E2;

BUREAU OF LAND MGMT

Section: 31 NENE;

BUREAU OF LAND MGMT

Section: 31 7;

BUREAU OF LAND MGMT

<u>Code</u>	<u>Action</u>	<u>Date</u>	<u>Remarks</u>
387	Case established	9/1/2016	
516	Formation	9/1/2016	WOLFCAMP
525	Acres-nonfederal	9/1/2016	200;89%
526	Acres-fed int 100%	9/1/2016	25.6;11%
868	Effective date	9/1/2016	/A/
654	Agrmt producing	2/17/2017	/1/
658	Memo of 1st prod-actual	2/17/2017	/1/30-015-43924
334	Agrmt approved	3/24/2017	
643	Production determination	3/24/2017	/1/

Remarks

/A/ RECAPITULATION EFFECTIVE 09/01/2016

TR# LEASE SERIAL NO AC COMMITTED % INTEREST

1 FEE 80.00 35.461

2 FEE 80.00 35.461

NMNM 136878

Remarks

3 FEE	40.00	17.731
4 NMNM 121474	25.60	11.347
TOTAL	225.60	100.000

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

Copperhead 31 Federal Com 3H, 3001543924 & Copperhead 31 Federal Com 21H, 3001544118

COG Production LLC

February 6, 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.

Copperhead 31 Federal Com 3H	3001543924, Wolfcamp	CA- NMNM136878	Allocated to Fed lease 11.347%
Copperhead 31 Federal Com 21H	3001544118, Wolfcamp	CA- NMNM137596	Allocated to Fed lease 11.61%