



November 10, 2020

Attn: Dean McClure  
NM Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

Re: Application for Administrative Approval  
Off-lease Measurement – Oil Only

Dear Mr. McClure,

COG Operating LLC respectfully requests approval for off-lease measurement – Oil only for the following wells:

Littlefield 33 Federal Com 705H  
API# 30-015-45162  
Purple Sage: Wolfcamp (Gas)  
Ut F Sec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 706H  
API# 30-015-45163  
Purple Sage: Wolfcamp (Gas)  
Ut F Sec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 707H  
API# 30-015-45164  
Purple Sage: Wolfcamp (Gas)  
Ut E Sec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 708H  
API# 30-015-45165  
Purple Sage: Wolfcamp (Gas)  
Ut E Sec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 805H  
API# 30-015-45166  
Purple Sage: Wolfcamp (Gas)  
Ut FSec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 806H  
API# 30-015-45167  
Purple Sage: Wolfcamp (Gas)  
Ut F Sec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 807H  
API# 30-015-45168  
Purple Sage: Wolfcamp (Gas)  
Ut E Sec 33-T26S-R29E  
Eddy County, NM

Littlefield 33 Federal Com 808H  
API# 30-015-45169  
Purple Sage: Wolfcamp (Gas)  
Ut E Sec 33-T26S-R29E  
Eddy County, NM

**Oil Production:**

The oil production from these wells may be transported by truck to either the Red Hills Offload Station, located in Unit O, Section 4-T26S-R32E, or the Jal Offload Station, located in Unit D, Section 4-T26S-R37E, Lea County in the event the CTB on lease is over capacity or in the case of battery or pipeline repairs. Oil will remain segregated and will be measured by lact meter when offloading at the Offload Stations.

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701  
P 432.683.7443 | F 432 683 7441

**ARTESIA WEST OFFICE**

2208 Main Street | Artesia, New Mexico 88210  
P 575.748.6940 | F 575.746.2096



No owner notification is necessary. A letter from a certified Landman stating COG is the only working interest owner is enclosed.

Please see the enclosed Administrative Application Checklist, C-107-B Application for Off Lease Measurement, plats for referenced wells, site facility diagram, maps with lease boundaries showing wells and facility locations, communication agreement application.

Thank you for your attention to this matter. If you have questions or need further information, please email me at [jbarron@concho.com](mailto:jbarron@concho.com) or call 575.748.6974.

Sincerely,

A handwritten signature in black ink that reads "Jeanette Barron".

Jeanette Barron  
Regulatory Technician II

---

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701  
P 432.683.7443 | F 432.683.7441

**ARTESIA WEST OFFICE**

2208 Main Street | Artesia, New Mexico 88210  
P 575.748.6940 | F 575 746 2096

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & 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

<b>Applicant:</b> <u>COG Operating, LLC</u>	<b>OGRID Number:</b> <u>229137</u>
<b>Well Name:</b> <u>Littlefield 33 Federal Com 701H (plus 9 other wells)</u>	<b>API:</b> <u>30-015-45162</u>
<b>Pool:</b> <u>Purple Sage; Wolfcamp (Gas)</u>	<b>Pool Code:</b> <u>98220</u>

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW**

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location – Spacing Unit – Simultaneous Dedication  
 NSL       NSP (PROJECT AREA)       NSP (PRORATION UNIT)       SD
- B. Check one only for [ I ] or [ II ]
- [ I ] Commingling – Storage – Measurement  
 DHC     CTB     PLC     PC     OLS     OLM
- [ II ] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

<b>FOR OCD ONLY</b>	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A.  Offset operators or lease holders  
 B.  Royalty, overriding royalty owners, revenue owners  
 C.  Application requires published notice  
 D.  Notification and/or concurrent approval by SLO  
 E.  Notification and/or concurrent approval by BLM  
 F.  Surface owner  
 G.  For all of the above, proof of notification or publication is attached, and/or,  
 H.  No notice required

3) **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.**

Jeanette Barron  
 Print or Type Name

11/10/20  
 Date

Jeanette Barron  
 Signature

575-746-6974  
 Phone Number

jbarron@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: 2208 W Main Street, Artesia, New Mexico 88210

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

LEASE TYPE:  Fee  State  Federal

Is this an Amendment to existing Order?  Yes  No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
 Yes  No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

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

- (2) Are any wells producing at top allowables?  Yes  No
- (3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No.
- (4) Measurement type:  Metering  Other (Specify)
- (5) Will commingling decrease the value of production?  Yes  No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Pool Name and Code.
- (2) Is all production from same source of supply?  Yes  No
- (3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No
- (4) Measurement type:  Metering  Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

- (1) Is all production from same source of supply?  Yes  No
- (2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.
- (2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
- (3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE: Jeanette Barron TITLE: Regulatory Technician II DATE: 11/10/20  
TYPE OR PRINT NAME: Jeanette Barron TELEPHONE NO.: 575.748.6974  
E-MAIL ADDRESS: jbarron@concho.com

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) 334-8178 Fax: (505) 334-8170

DISTRICT IV  
1820 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 30-015-45162		Pool Code 98220	Pool Name Purple Sage ; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM		Well Number 705H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2860.4'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
10	33	26-S	29-E		300	SOUTH	2436	WEST	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
C	28	26-S	29-E		200	NORTH	2155	WEST	EDDY

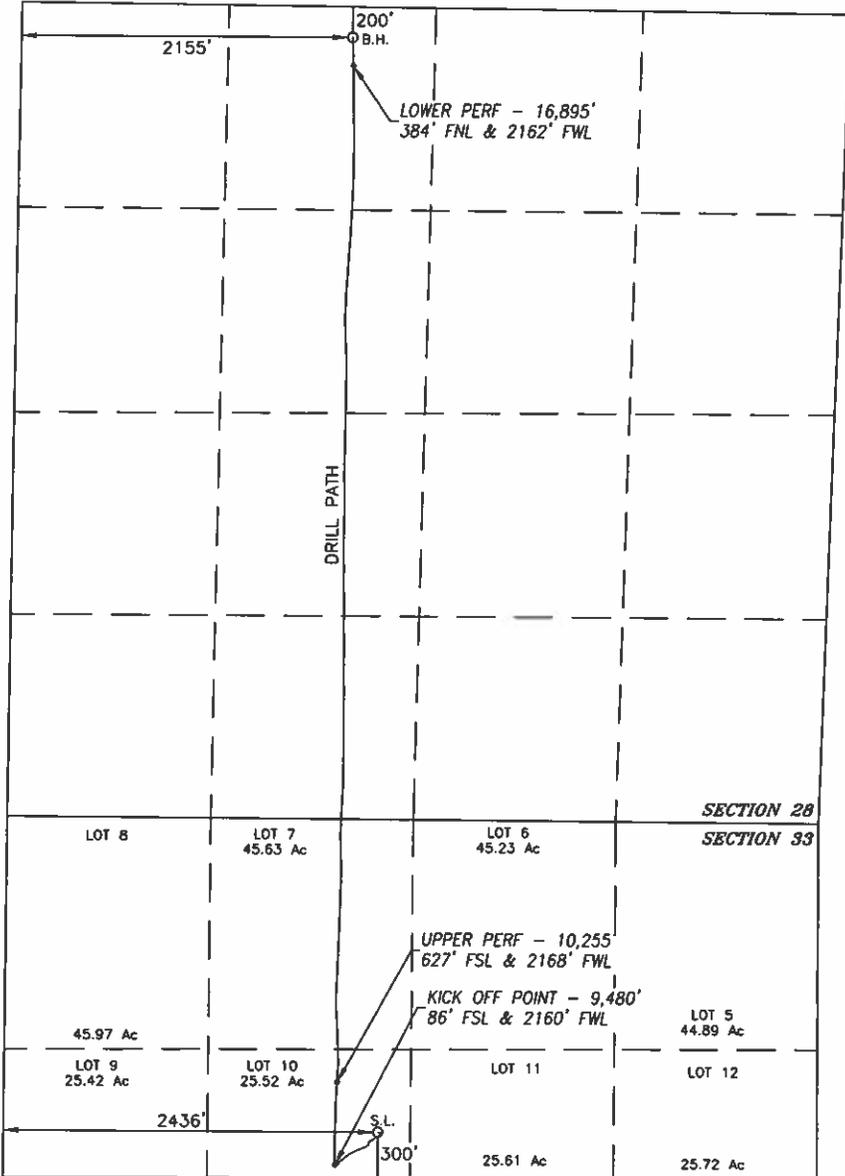
Dedicated Acres 463.13	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

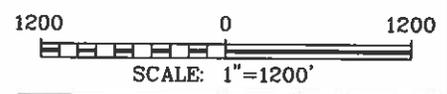
Property Code 322243	Property Name <b>LITTLEFIELD 33 FEDERAL COM</b>	Well Number 705H
OGRID No. 229137	Operator Name <b>COG OPERATING, LLC</b>	Elevation 2860.4'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371389.1 N  
X=647445.7 E  
LAT.=32.020567° N  
LONG.=103.990960° W



NAD 83 NME  
SURFACE LOCATION  
Y=364249.5 N  
X=647661.3 E  
LAT.=32.000938° N  
LONG.=103.990338° W

BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #705H SUPPLIED TO HARCROW SURVEYING, LLC ON JUNE 5, 2019



**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.

*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name

jbarron@concho.com  
E-mail Address

**SURVEYOR CERTIFICATION**

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

SEPT. 12, 2018/JAN. 16, 2019  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
511 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 30-015-45163	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 706H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2860.4'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
10	33	26-S	29-E		300	SOUTH	2376	WEST	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
C	28	26-S	29-E		203	NORTH	1536	WEST	EDDY

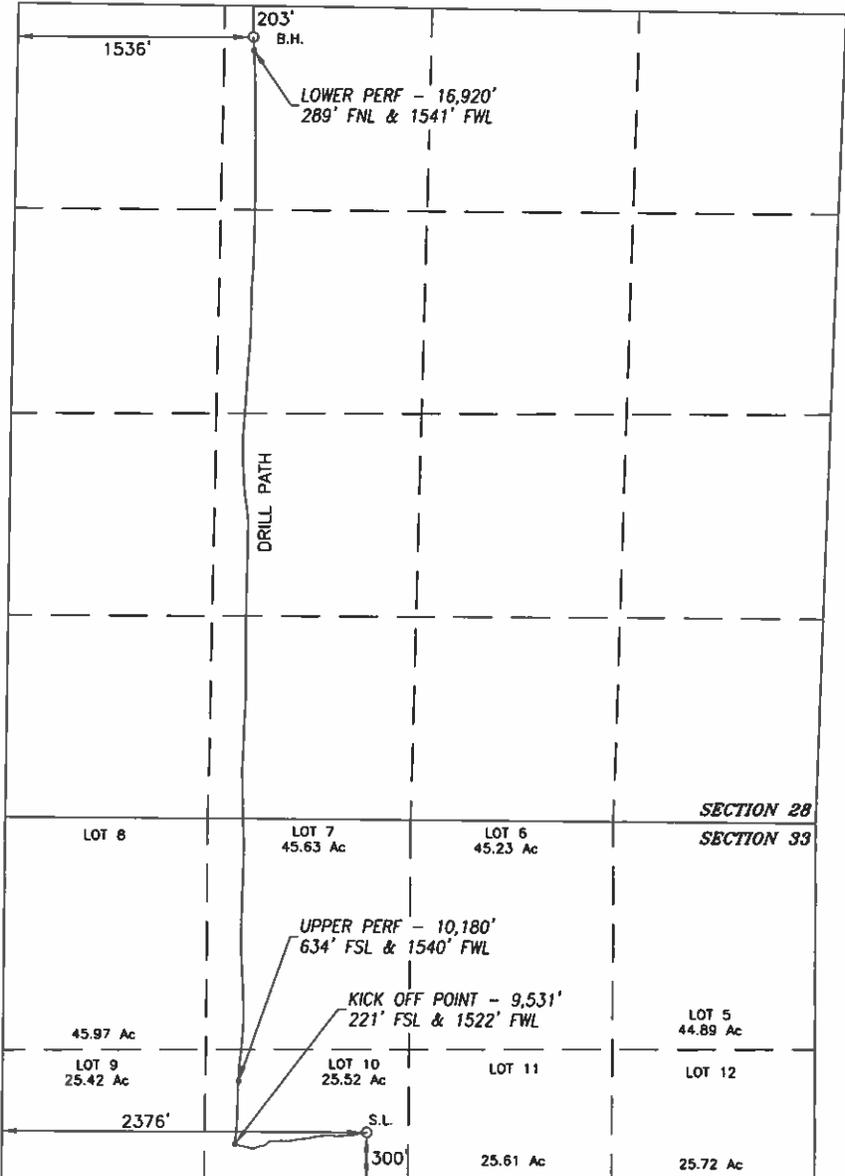
Dedicated Acres 463.13	Joint or Infill	Consolidation Code	Order No.
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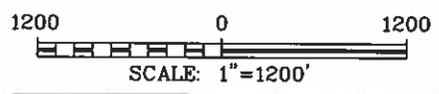
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 706H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2860.4'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371391.6 N  
X=646826.5 E  
LAT.=32.020579' N  
LONG.=103.992958' W



NAD 83 NME  
SURFACE LOCATION  
Y=364249.3 N  
X=647601.2 E  
LAT.=32.000938' N  
LONG.=103.990531' W

BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #706H SUPPLIED TO HARCROW SURVEYING, LLC ON MAY 23, 2019



**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.

*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name

jbarron@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.

SEPT. 12, 2018/FEB. 11, 2019  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



**DISTRICT I**  
 1825 N. FRENCH DR., HOBBS, NM 88240  
 Phone: (575) 393-8181 Fax: (575) 393-0720

**DISTRICT II**  
 811 S. FIRST ST., ARTESIA, NM 88210  
 Phone: (575) 748-1283 Fax: (575) 748-0720

**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) 478-3460 Fax: (505) 478-3482

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  
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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-45164		Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM		Well Number 707H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2863.4'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9	33	26-S	29-E		250	SOUTH	811	WEST	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
D	28	26-S	29-E		210	NORTH	968	WEST	EDDY

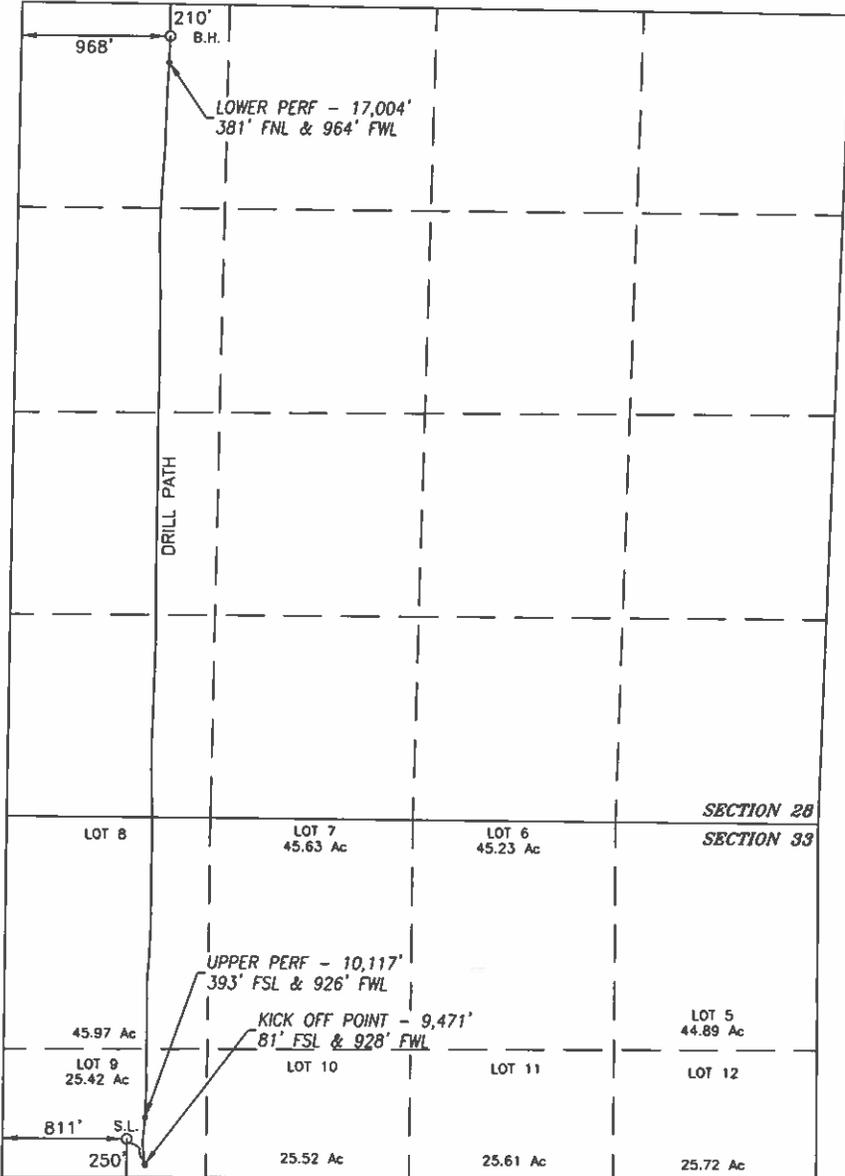
Dedicated Acres 463.13	Joint or Infill	Consolidation Code	Order No.
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 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

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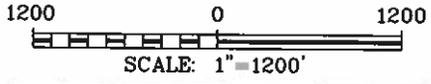
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 707H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2863.4'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371389.6 N  
X=646259.4 E  
LAT.=32.0020578° N  
LONG.=103.994788° W



NAD 83 NME  
SURFACE LOCATION  
Y=364195.2 N  
X=646036.3 E  
LAT.=32.000803° N  
LONG.=103.995580° W

BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #707H SUPPLIED TO HARCROW SURVEYING, LLC ON MAY 23, 2019



**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.

*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name

jbarron@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.

SEPT. 12, 2018/DEC. 26, 2018  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 5/30/19  
Certificate No. CHAD HARCROW 17777  
W.O. #19-992 DRAWN BY: WN

**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) 745-1283 Fax: (575) 745-9720

**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  
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State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 SOUTH ST. FRANCIS DR.  
 Santa Fe, New Mexico 87505

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 Revised August 1, 2011  
 Submit one copy to appropriate  
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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-45165		Pool Code 98220	Pool Name Purple sage; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM		Well Number 708H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2863.5'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9	33	26-S	29-E		250	SOUTH	751	WEST	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
D	28	26-S	29-E		200	NORTH	327	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
463.13			

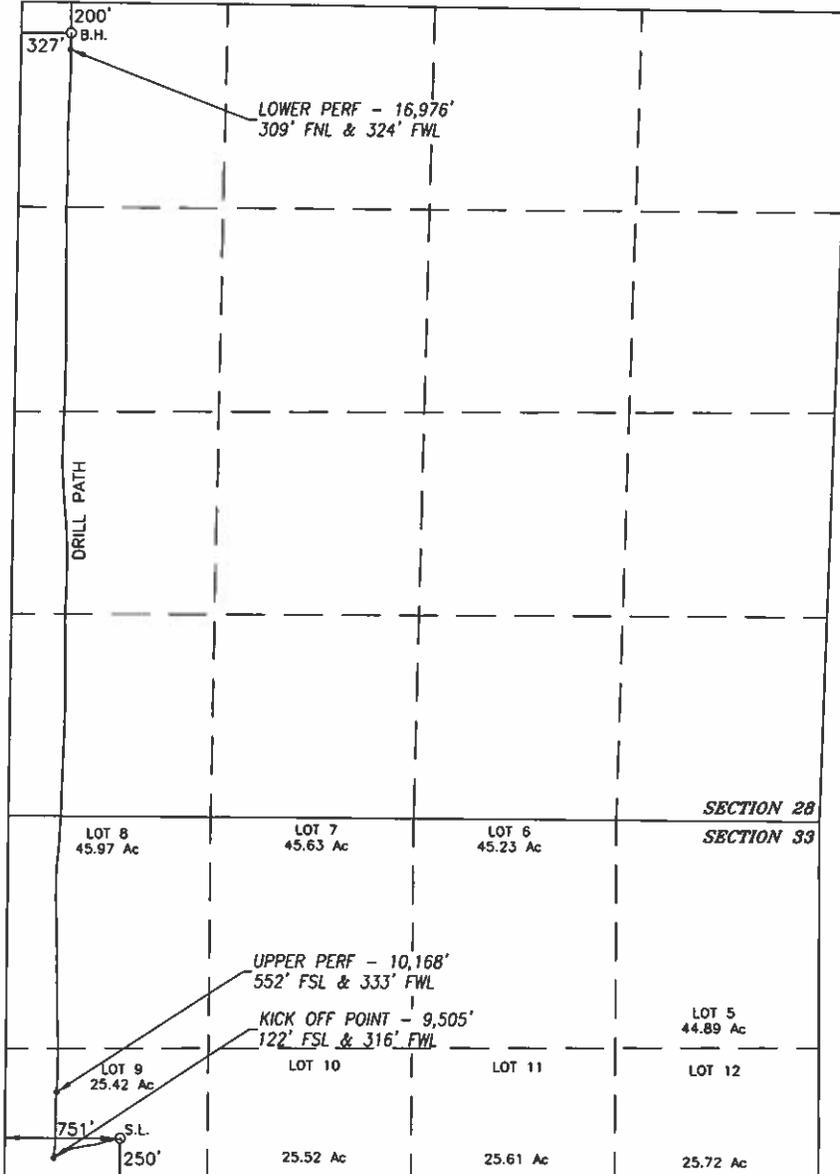
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SEE PAGE 2

PAGE 1 OF 2  
 W.O. #19-1048 DRAWN BY: WN

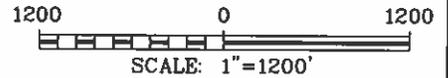
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 708H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2863.5'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371405.0 N  
X=645617.8 E  
LAT.=32.020626° N  
LONG.=103.996858° W



NAD 83 NME  
SURFACE LOCATION  
Y=364195.1 N  
X=645976.3 E  
LAT.=32.000803° N  
LONG.=103.995774° W

BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #708H SUPPLIED TO HARCROW SURVEYING, LLC ON JUNE 5, 2019



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*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name

jbarron@concho.com  
E-mail Address

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SEPT. 12, 2018/FEB. 3, 2019  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



*Chad Harcrow* 6/10/19  
Certificate No. CHAD HARCROW 17777

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**DISTRICT III**  
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 Phone: (505) 334-6178 Fax: (505) 334-6170

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**OIL CONSERVATION DIVISION**  
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 Santa Fe, New Mexico 87505

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 District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-45166	Pool Code 98220	Pool Name Purple Sage; Wolfcamp Gas
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 805H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2860.5'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
10	33	26-S	29-E		300	SOUTH	2466	WEST	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
C	28	26-S	29-E		201	NORTH	2546	WEST	EDDY

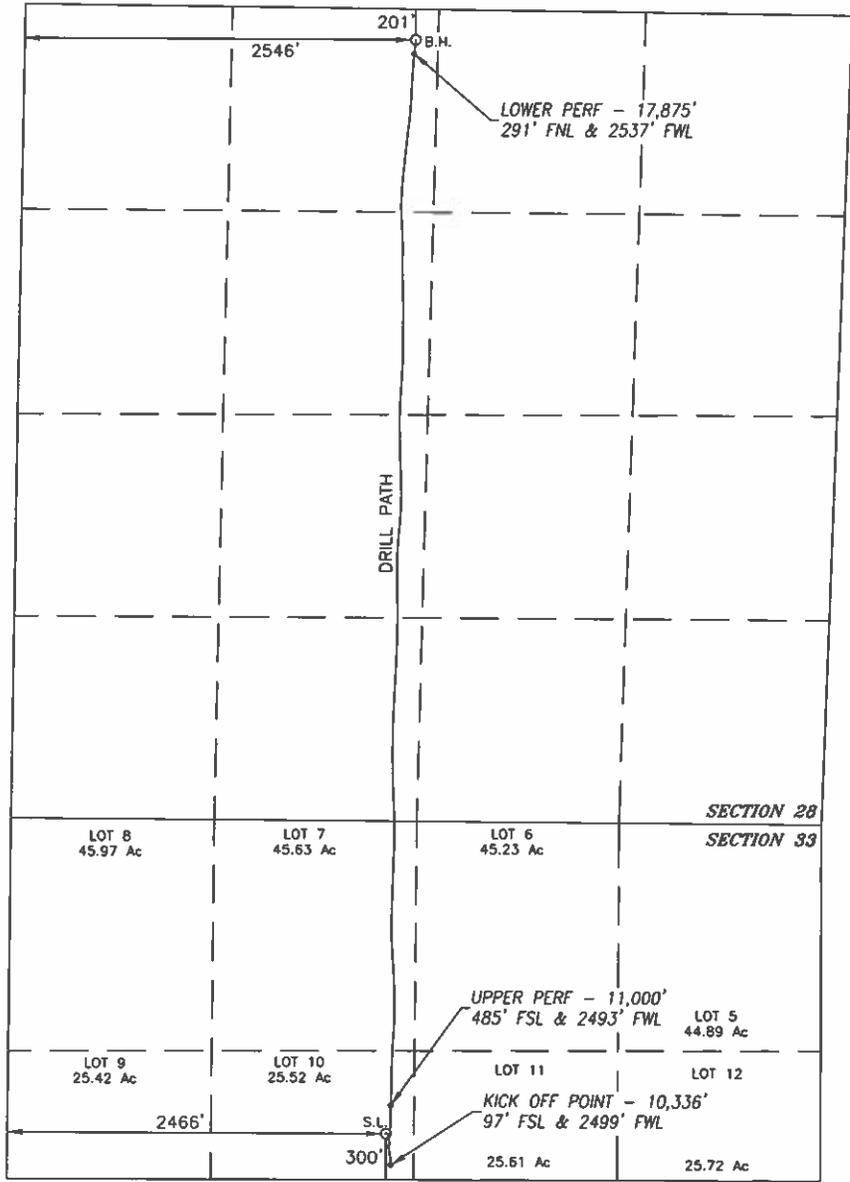
Dedicated Acres 463.13	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

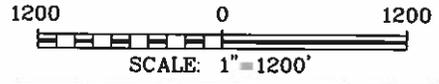
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 805H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2860.5'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371384.9 N  
X=647836.6 E  
LAT.=32.020552' N  
LONG.=103.989699' W



NAD 83 NME  
SURFACE LOCATION  
Y=364249.5 N  
X=647691.2 E  
LAT.=32.000938' N  
LONG.=103.990241' W

BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #805H SUPPLIED TO HARCROW SURVEYING, LLC ON JUNE 26, 2019



**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.  
*Jeanette Barron* 11/10/20  
Signature Date  
Jeanette Barron  
Printed Name  
jbarron@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.  
SEPT. 12, 2018/JAN. 15, 2019  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor  
  
*Chad Harcrow* 0/00/19

**DISTRICT I**  
 1825 N. FRENCH DR., HOBBS, NM 88240  
 Phone: (575) 393-6181 Fax: (575) 393-9720

**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 30-015-45167	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 806H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2860.5'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
10	33	26-S	29-E		300	SOUTH	2406	WEST	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
C	28	26-S	29-E		207	NORTH	1813	WEST	EDDY

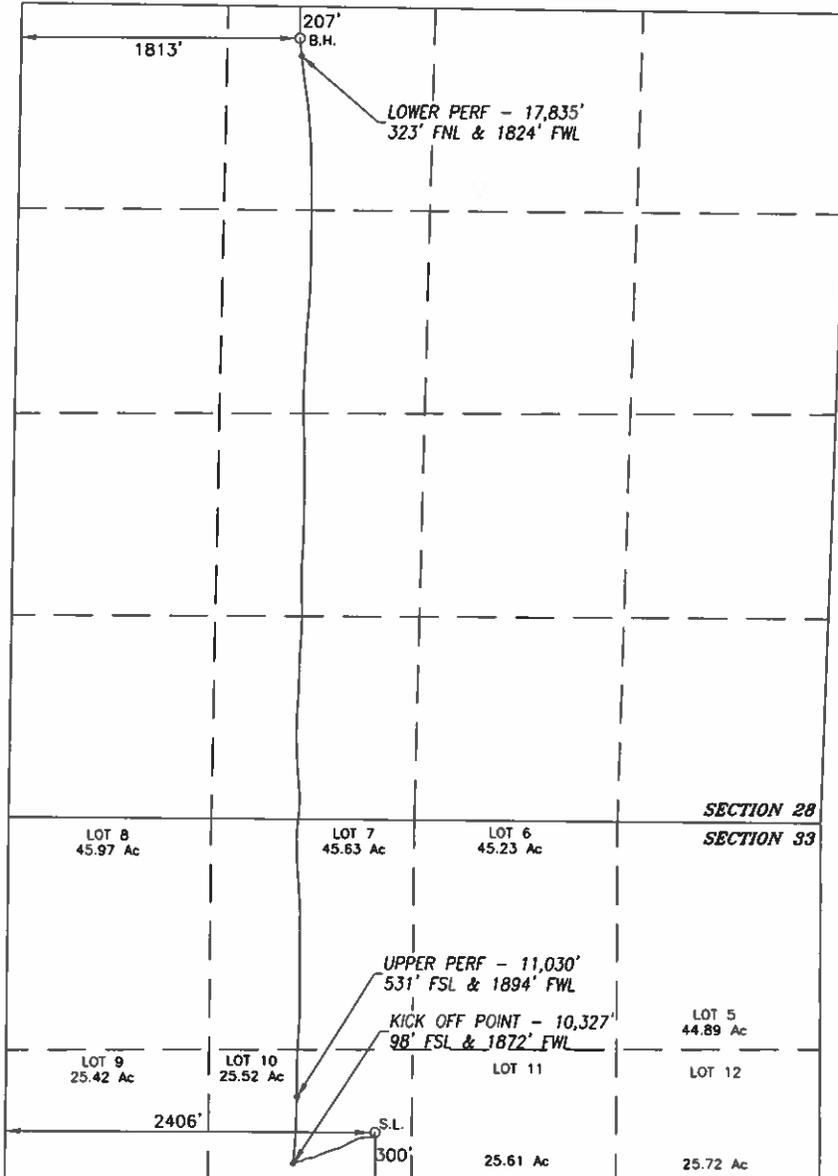
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
463.13			

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

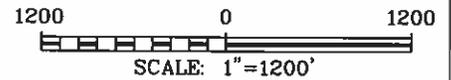
SEE PAGE 2

Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 806H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2860.5'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371384.9 N  
X=647103.7 E  
LAT.=32.020558' N  
LONG.=103.992064' W



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #806H SUPPLIED TO HARCROW SURVEYING, LLC ON JUNE 5, 2019



**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.

*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name

jharron@concho.com  
E-mail Address

**SURVEYOR CERTIFICATION**

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

SEPT. 12, 2018/JAN. 25, 2019

Date of Survey/Data of Geographic Survey

Signature & Seal of Professional Surveyor



*Chad Harcrow* 6/10/19  
Certificate No. CHAD HARCROW 17777

NAD 83 NME  
SURFACE LOCATION  
Y=364249.4 N  
X=647631.3 E  
LAT.=32.000938' N  
LONG.=103.990434' W

**DISTRICT I**  
 1625 N. FRENCH DR., HOBBS, NM 88240  
 Phone: (575) 393-0181 Fax: (575) 393-0720

**DISTRICT II**  
 611 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) 476-3480 Fax: (505) 476-3482

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 30-015-45168		Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM		Well Number 807H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2863.4'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9	33	26-S	29-E		250	SOUTH	841	WEST	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
D	28	26-S	29-E		201	NORTH	1241	WEST	EDDY

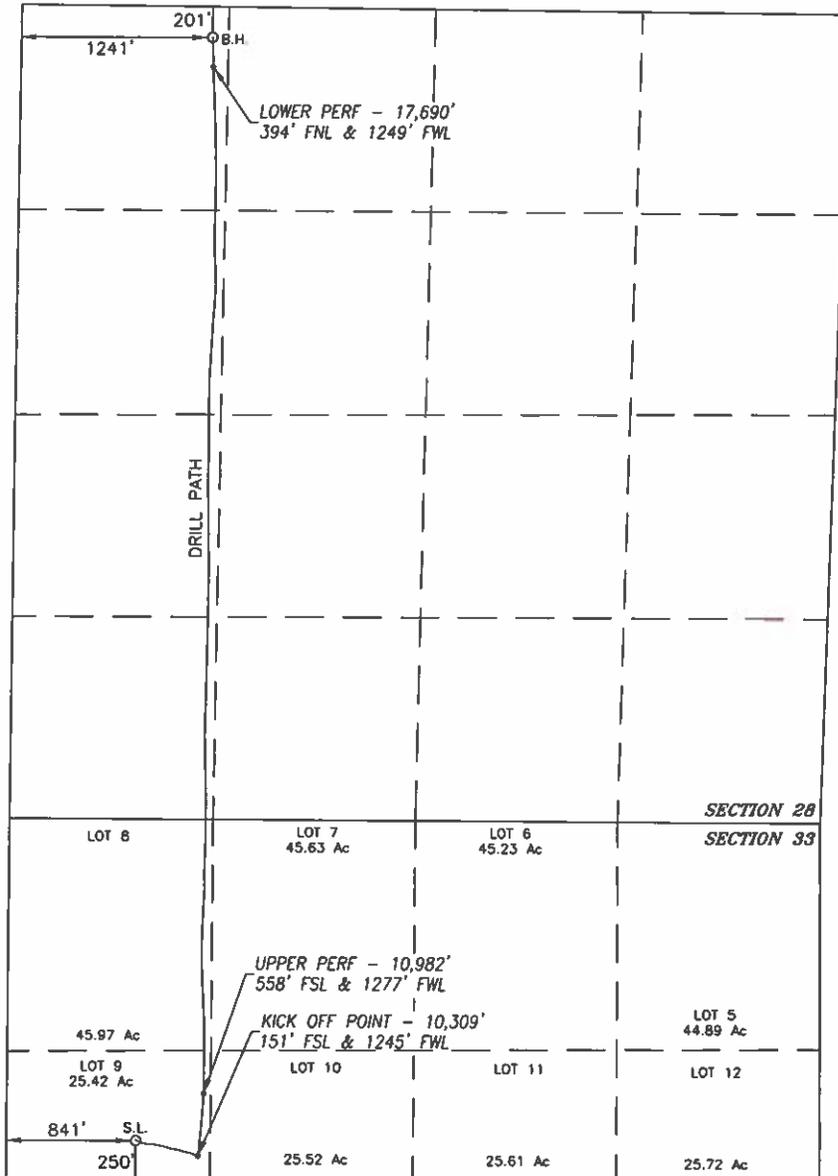
Dedicated Acres 463.13	Joint or Infill	Consolidation Code	Order No.
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**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

SEE PAGE 2

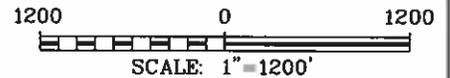
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 807H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2863.4'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371395.9 N  
X=646532.1 E  
LAT.=32.020593° N  
LONG.=103.993908° W



NAD 83 NME  
SURFACE LOCATION  
Y=364195.3 N  
X=646066.3 E  
LAT.=32.000803° N  
LONG.=103.995484° W

BORSPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #807H SUPPLIED TO HARCROW SURVEYING, LLC ON MAY 31, 2019



**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.

*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name  
jbarron@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.

SEPT. 12, 2018/DEC. 6, 2018  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 6/5/19  
Certificate No. CHAD HARCROW 17777

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
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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 30-015-45169	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 808H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2863.5'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9	33	26-S	29-E		250	SOUTH	781	WEST	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
D	28	26-S	29-E		202	NORTH	656	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

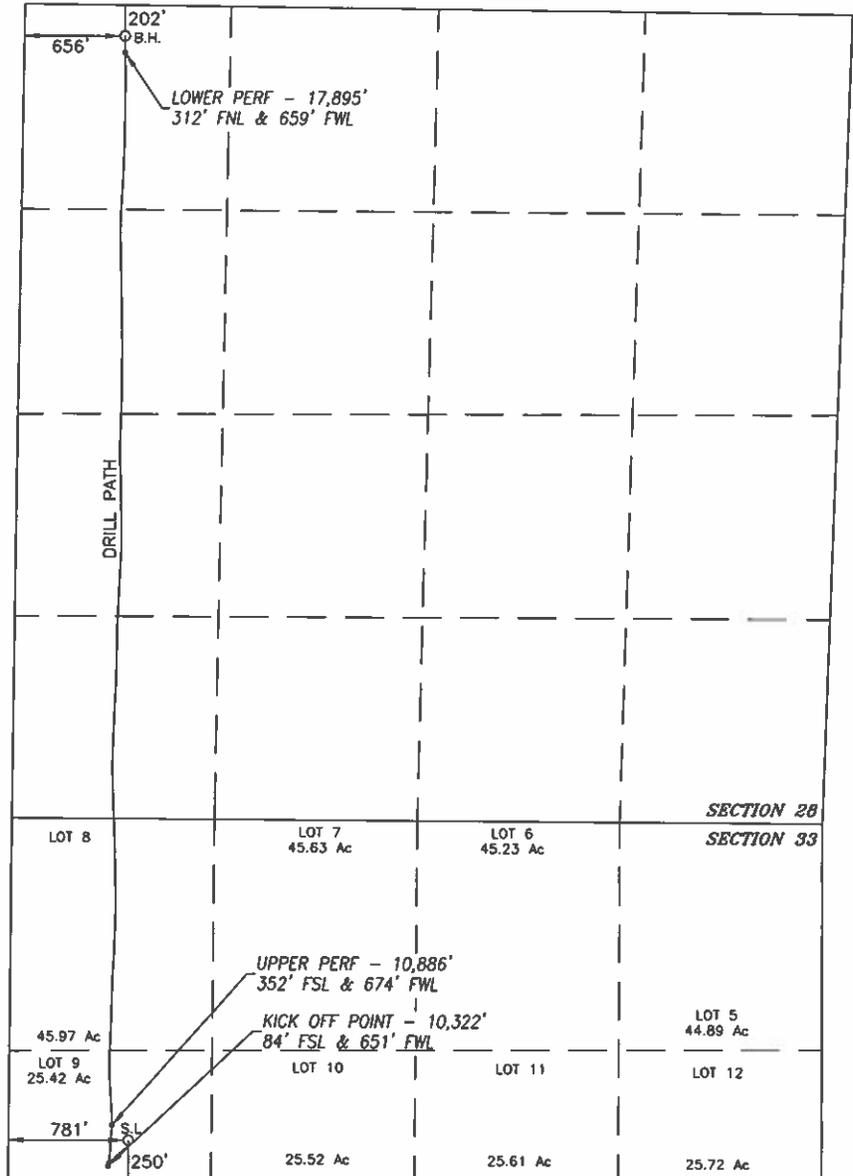
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

PAGE 1 OF 2  
W.O. #19-1023      DRAWN BY: WN

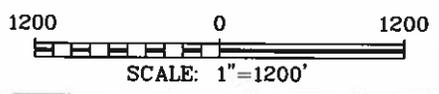
Property Code 322243	Property Name LITTLEFIELD 33 FEDERAL COM	Well Number 808H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2863.5'

NAD 83 NME  
BOTTOM  
HOLE LOCATION  
Y=371400.6 N  
X=645947.0 E  
LAT.=32.020611' N  
LONG.=103.995796' W



NAD 83 NME  
SURFACE LOCATION  
Y=364195.2 N  
X=646006.3 E  
LAT.=32.000803' N  
LONG.=103.995677' W

BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLEFIELD 33 FEDERAL COM #808H SUPPLIED TO HARCROW SURVEYING, LLC ON JUNE 4, 2019



**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.

*Jeanette Barron* 11/10/20  
Signature Date

Jeanette Barron  
Printed Name

jbarron@concho.com  
E-mail Address

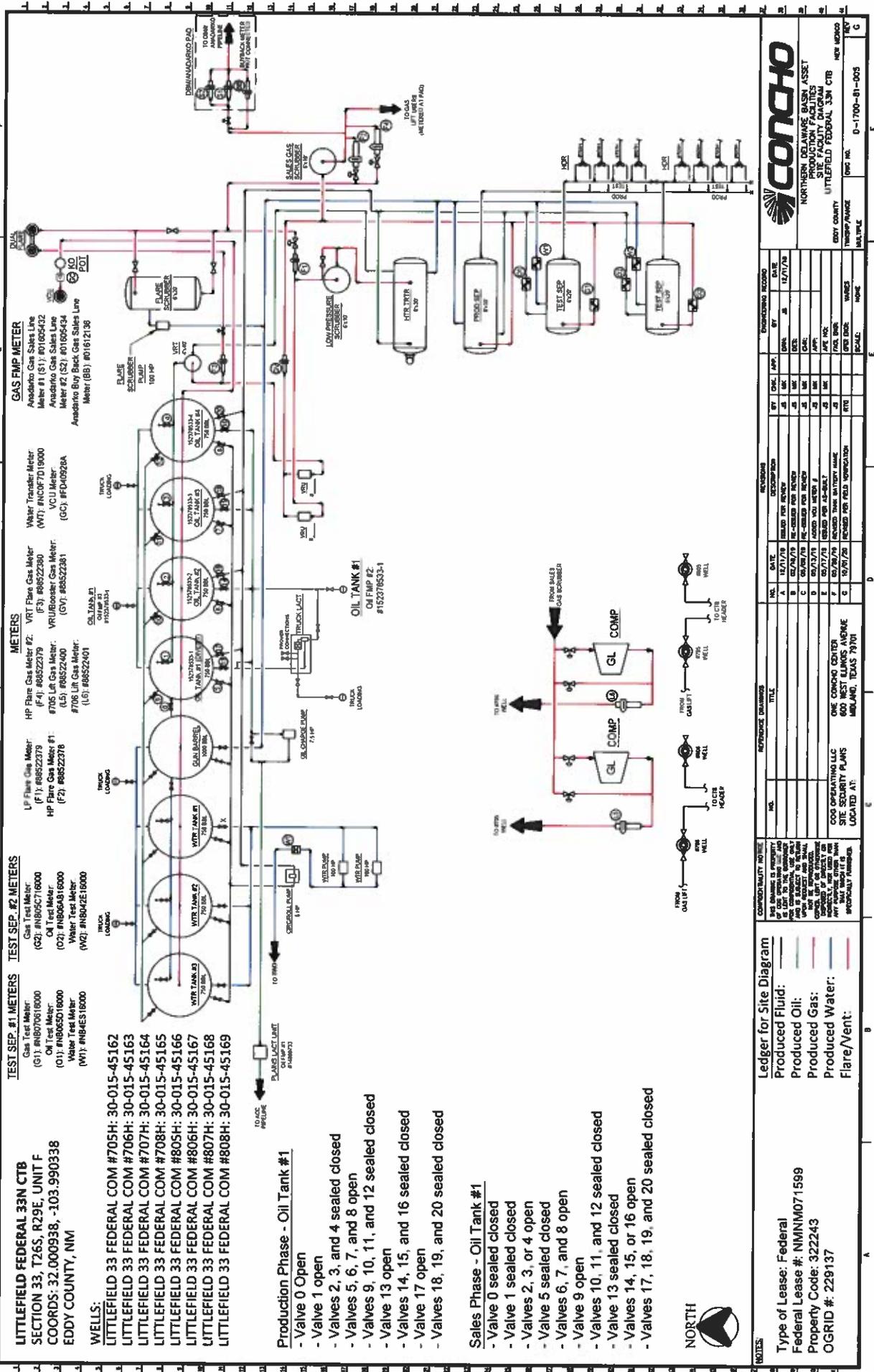
**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPT. 12, 2018/JAN. 16, 2019  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 6/7/19

Certificate No. CHAD HARCROW 17777  
W.O. #19-1023 DRAWN BY: WN



- TEST SEP. #1 METERS**
- Gas Test Meter (G1): #N8070010000
  - Oil Test Meter (O1): #N8065010000
  - Water Test Meter (W1): #N846310000
- TEST SEP. #2 METERS**
- Gas Test Meter (G2): #N8065010000
  - Oil Test Meter (O2): #N8065010000
  - Water Test Meter (W2): #N8064210000
- WELLS:**
- LITTLEFIELD 33 FEDERAL COM #705H: 30-015-45162
  - LITTLEFIELD 33 FEDERAL COM #706H: 30-015-45163
  - LITTLEFIELD 33 FEDERAL COM #707H: 30-015-45164
  - LITTLEFIELD 33 FEDERAL COM #708H: 30-015-45165
  - LITTLEFIELD 33 FEDERAL COM #805H: 30-015-45166
  - LITTLEFIELD 33 FEDERAL COM #806H: 30-015-45167
  - LITTLEFIELD 33 FEDERAL COM #807H: 30-015-45168
  - LITTLEFIELD 33 FEDERAL COM #808H: 30-015-45169

- Production Phase - Oil Tank #1**
- Valve 0 Open
  - Valve 1 open
  - Valves 2, 3, and 4 sealed closed
  - Valves 5, 6, 7, and 8 open
  - Valves 9, 10, 11, and 12 sealed closed
  - Valve 13 open
  - Valves 14, 15, and 16 sealed closed
  - Valve 17 open
  - Valves 18, 19, and 20 sealed closed

- Sales Phase - Oil Tank #1**
- Valve 0 sealed closed
  - Valve 1 sealed closed
  - Valves 2, 3, or 4 open
  - Valve 5 sealed closed
  - Valves 6, 7, and 8 open
  - Valve 9 open
  - Valves 10, 11, and 12 sealed closed
  - Valve 13 sealed closed
  - Valves 14, 15, or 16 open
  - Valves 17, 18, 19, and 20 sealed closed



**NOTES**

Type of Lease: Federal  
 Federal Lease #: NMMN071599  
 Property Code: 322243  
 OGRID #: 229137

**Ledger for Site Diagram**

Produced Fluid: \_\_\_\_\_  
 Produced Oil: \_\_\_\_\_  
 Produced Gas: \_\_\_\_\_  
 Produced Water: \_\_\_\_\_  
 Flare/Vent: \_\_\_\_\_

**CONCHO**

NORTHERN OIL AND GAS ASSET  
 PRODUCTION PLANTS  
 SITE FACILITY DIAGRAM  
 LITTLEFIELD FEDERAL 33N CTB

EDDY COUNTY, TEXAS  
 THORP AVENUE  
 MAP SHEET  
 SHEET NO. 0-1700-81-005

NO.	DATE	BY	REVISIONS
A	12/17/19	JR	REVISION FOR RECORD
B	02/20/19	JR	RE-DESIGN FOR RECORD
C	02/21/19	JR	RE-DESIGN FOR RECORD
D	02/21/19	JR	RE-DESIGN FOR RECORD
E	02/21/19	JR	RE-DESIGN FOR RECORD
F	02/21/19	JR	RE-DESIGN FOR RECORD
G	10/21/19	JR	RE-DESIGN FOR RECORD
H	10/21/19	JR	RE-DESIGN FOR RECORD

**COMPANYSHIP NOTICE**

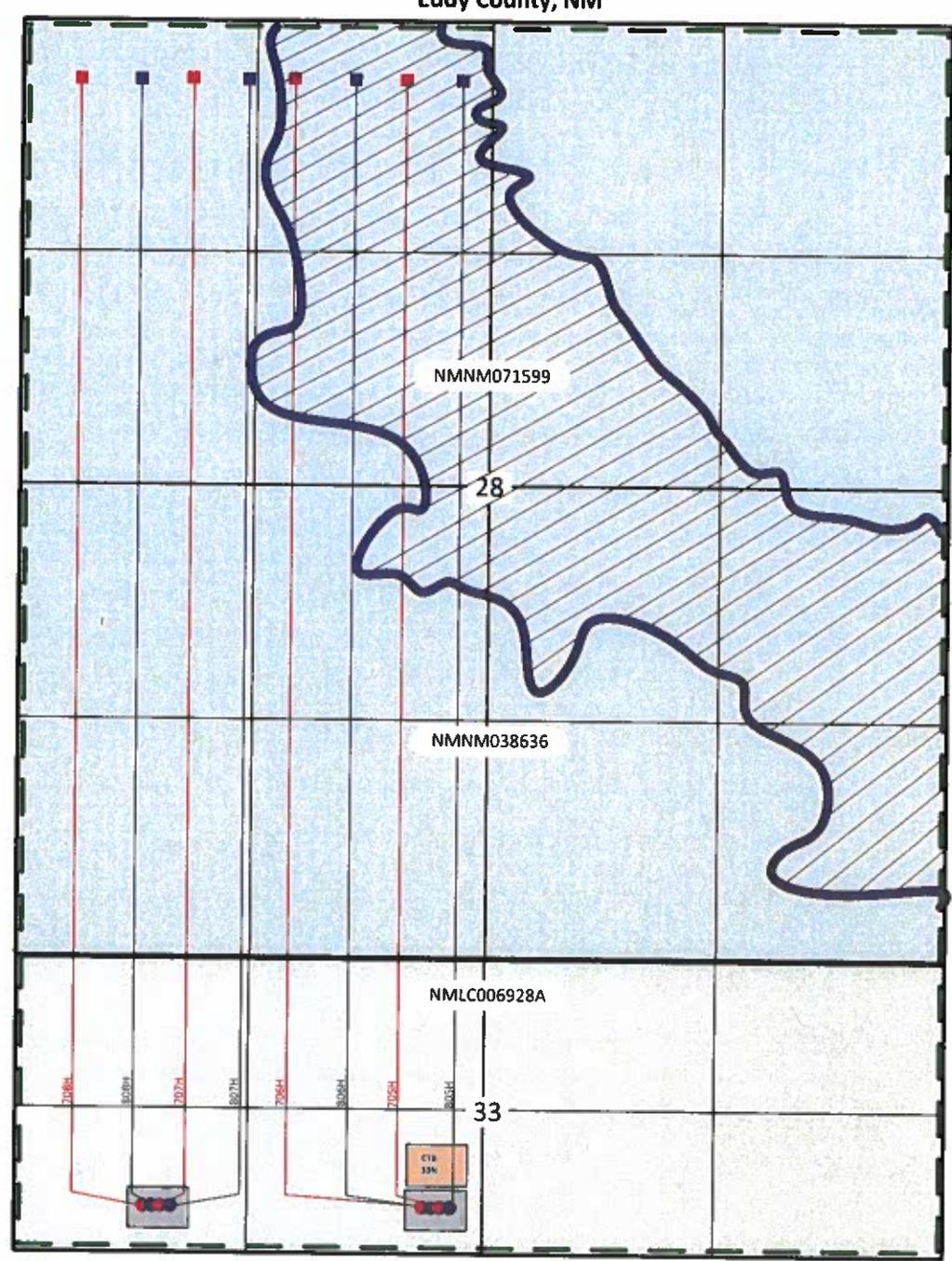
THIS DRAWING IS PROPERTY OF CONCHO ENERGY SERVICES, L.P. AND IS TO BE USED ONLY FOR THE PROJECT AND WELL IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF CONCHO ENERGY SERVICES, L.P.

**REFERENCE DRAWINGS**

ONE CONCHO CENTER  
 600 WEST CLARKS AVENUE  
 MIDLAND, TEXAS 79701

# Littlefield Federal Wells

Secs 28, 33-T26S-R29E  
Eddy County, NM



- Wolfcamp A Shale SHL
- Wolfcamp A Shale BHL
- Wolfcamp D SHL
- Wolfcamp D BHL
- ⋯ Wolfcamp CA (Purple Sage, WC Pool)

T 26 S

R  
2  
9  
E

19

#	W.O.	WELL NAME	ELEV.	FOOTAGE
1	18-1157	LITTLEFIELD 33 FED COM #708H	2863.5'	250' FSL & 751' FWL
2	18-1158	LITTLEFIELD 33 FED COM #707H	2863.4'	250' FSL & 811' FWL
3	18-1159	LITTLEFIELD 33 FED COM #807H	2863.4'	250' FSL & 841' FWL
4	18-1160	LITTLEFIELD 33 FED COM #706H	2860.4'	300' FSL & 2376' FWL
5	18-1161	LITTLEFIELD 33 FED COM #705H	2860.4'	300' FSL & 2436' FWL
6	18-1162	LITTLEFIELD 33 FED COM #805H	2860.5'	300' FSL & 2466' FWL
7		LITTLEFIELD 33 FED COM #808H		
8		LITTLEFIELD 33 FED COM #806H		

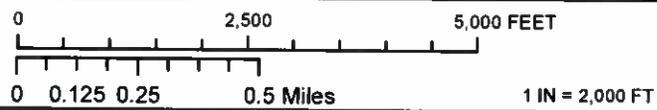


**LEGEND**

- WELL
- WELLPAD
- Flow Line

**LITTLEFIELD 33 FEDERAL COM WELLS**

SECTION: 33      TOWNSHIP: 26 S.      RANGE: 29 E.  
 STATE: NEW MEXICO      COUNTY: EDDY      SURVEY: N.M.P.M  
 W.O. # 18-(1157-1162)      LEASE: LITTLEFIELD 33 FED COM



LOCATION MAP      IMAGERY      9/21/2018      J.H.



COG OPERATING, LLC

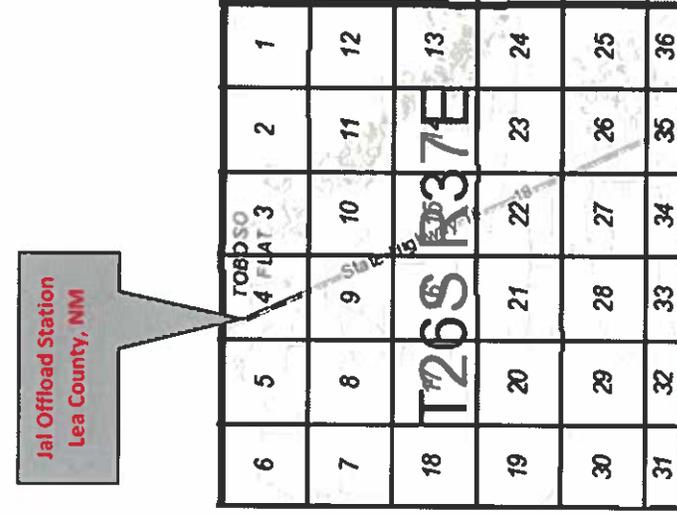
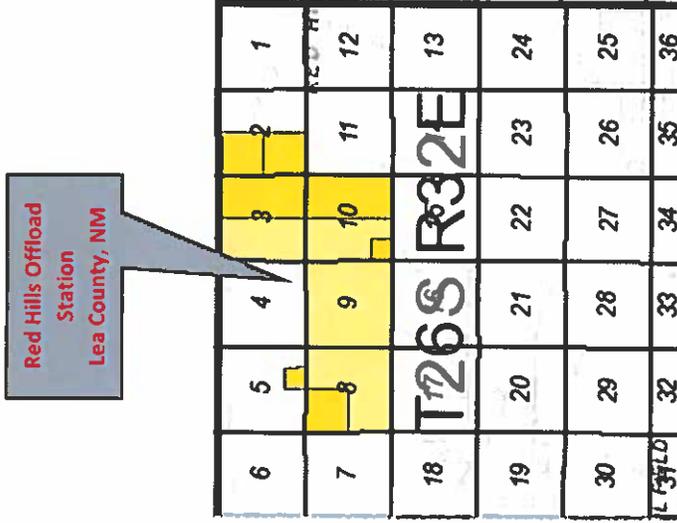
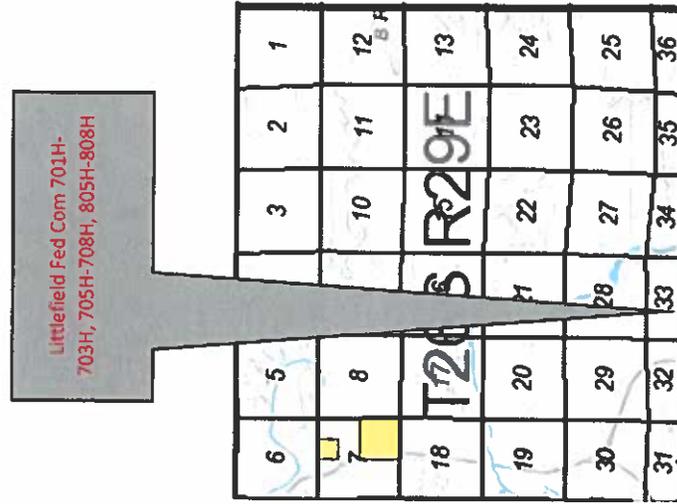


**HARCROW SURVEYING, LLC.**  
 2314 W. MAIN ST, ARTESIA, NM 88210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 TEXAS FIRM NO. 10194089  
 c.harcrow@harcrowsurveying.com

**Littlefield 33 Federal Com 701H-703H, 705H-708H, 805H-808H**

&

**Red Hills and Jal Offload Station Map**



Littlefield 33 Federal 705H-708H & 805H-808H OLM								
Date Sent	Initials	Name	Address	City	State	ZipCode	Certified Return Receipt No.	Delivered
11.10.20	JB	BLM	620 E. Green Street	Carlsbad	NM	88220	7017 3040 0000 1206 4449	



Hunter Hall  
Landman

August 19, 2020

Oil Conservation Division  
Attention: Dean McClure  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

**RE: Littlefield 33 Federal Com 705H-708H, 805H-808H Off-Lease Measurement**

Mr. McClure:

My name is Hunter Hall and I am the landman at COG operating LLC ("Concho") whose area of responsibility includes T26S-R29E, Eddy County, New Mexico.

I have reviewed the Drilling and Division Order Title Opinion dated May 2, 2018 that covers the west half of Section 28 and 33 within T26S-R29E. I have determined that the revenue owners are identical. As defined by NMAC 19.15.12.7.B, identical ownership means leases or pools have the same working, royalty and overriding royalty owners in exactly the same percentages. In addition, the only working interest owner in the referenced wells/area is Concho.

Sincerely,

Hunter Hall | Landman  
E: hhall@concho.com  
P: 432-253-4525 M: 806-782-2341  
COG Operating LLC  
600 W Illinois Avenue  
Midland, TX 79701

---

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 | P 432.683.7443 | F 432.683.7441

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland Texas 79701  
P 432.683.7443 | F 432.683.7441

**ARTESIA WEST OFFICE**

2208 Main Street | Artesia, New Mexico 88210  
P 575 748 6940 | F 575.746.2096



Determination - Approval - Certification

Pursuant to the authority vested in the Secretary of the Interior under Section 17(j) of the Mineral Leasing Act of 1920, as amended (74 Stat. 784; 30 U.S.C. 226(j)), and delegated to the authorized officer of the Bureau of Land Management, I do hereby:

- A. Determine that the Federal lease or leases as to the lands committed to the attached agreement cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located, and that consummation and approval of the agreement will be in the public interest. Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.
- B. Approve the attached Communitization Agreement covering W2 of sec. 28, T. 26 S., R. 29 E. and Lots 7-10 of sec. 33, T. 26 S., R. 29 E., NMPM, as to all producible hydrocarbons from the Wolfcamp formation. This approval will become invalid if the public interest requirements under section 3105.2-3 (c) are not met.
- C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of the Federal lease or leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of the agreement.

**MAY 07 2019**

Approved:

James Glover  
Supervisory Geologist  
Branch of Reservoir Management  
Division of Minerals

Effective: July 24, 2018

Contract No.: Com. Agr. NMNM138710

Reception: 1907233 Book: 1123 Page: 1124 Pages: 9

Recorded: 06/03/2019 02:11 PM Fee: \$25.00

Eddy County, New Mexico - Robin Van Natta, County Clerk



TW

COG OPERATING LLC  
ATTN TESSA ELDER 1CC-8  
600 WILLINOIS AVE  
MIDLAND, TX 79701

301083

CORPORATE ADDRESS

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701  
P 432 683 7443 | F 432.683.7441

ARTESIA WEST OFFICE

2208 Main Street | Artesia, New Mexico 88210  
P 575 748.6940 | F 575 746.2096



Federal/Federal

Contract No. NMNM138710

THIS AGREEMENT entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this Agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this Agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this Agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

- 1. The lands covered by this Agreement (hereinafter referred to as "communitized area") are described as follows:

**Township 26 South, Range 29 East, N.M.P.M.**  
**Section 28: W/2**  
**Section 33: Lots 7-10**  
**Eddy County, New Mexico**

containing 463.13 acres, more or less, and this agreement shall include only the **Wolfcamp Formation** underlying said lands and the natural gas and associated liquid hydrocarbons, hereafter referred to as "communitized substances," producible from such formation.

- 2. Attached hereto, and made a part of this Agreement for all purposes is Exhibit A, a plat designating the communitized area and, Exhibit B, designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

- 3. The Operator of the communitized area shall be COG Operating LLC, as Operator, 600 W. Illinois Avenue, Midland, Texas 79701. All matters of operations shall be governed by the operator

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2208 Main Street | Midland, Texas 79701  
**W2 Sec. 28 & Lots 7-10 Sec. 33, T26S-R29E**  
P 575.748.6940 | F 575.746.2096



Federal/Federal

under and pursuant to the terms and provisions of this Agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.

- 4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
- 5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

All proceeds, 8/8ths, attributed to unleased Federal, State, or fee land included within the CA area are to be placed in an interest earning escrow or trust account by the designated operator until the land is leased or ownership is established.

- 6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this Agreement shall not be affected by this Agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this Agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any non-communitized lease production, provided, however, in regard to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any non-communitized lease production.
- 7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this Agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
- 8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this Agreement shall be deemed to be operations or production as to each lease committed hereto.

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2208 **W2 Sec. 28 & Lots 7-10 Sec. 33, T26S-R29E**  
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9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This Agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this Agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules, or regulations.
10. The date of this agreement is July 24, 2018, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of two (2) years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this Agreement may be terminated at any time by mutual agreement of the parties hereto. This Agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of non-production. The two (2) year term of this Agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this Agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occurs in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This Agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
14. This Agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

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2208 M. W2 Sec. 28 & Lots 7-10 Sec. 33, T26S-R29E  
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- 15. **Non-Discrimination:** In connection with the performance of work under this Agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this Agreement.

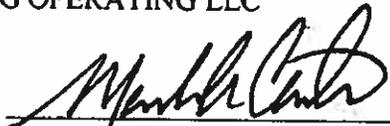
IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written and have set opposite their respective names the date of execution.

OPERATOR,  
RECORD TITLE / OPERATING RIGHTS OWNER (NMLC 0065928A, NMNM 038636),  
OPERATING RIGHTS OWNER (NMNM 071599)

**Statement of Written Consent by All Named Owners:**

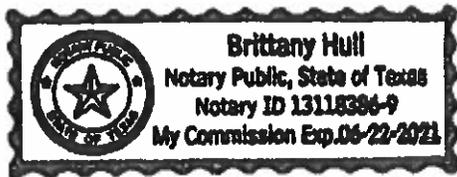
*I, the undersigned, hereby certify, on behalf of COG Operating LLC, the Operator of the proposed Communitization Agreement, that all working interest owners (i.e., the lessees of record and operating rights owners) shown on Exhibit "B" attached to the Communitization Agreement are, to the best of my knowledge, the working interest owners of the Federal or Indian leases subject to the Communitization Agreement, and that the written consents of all the named owners have been obtained and will be made available to the BLM immediately upon request.*

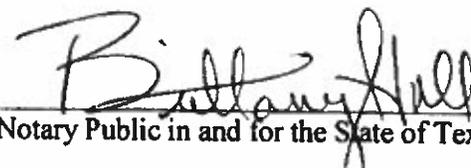
COG OPERATING LLC

By:   
Mark A. Carter AR  
Attorney-in-Fact *low*

STATE OF TEXAS §  
§  
COUNTY OF MIDLAND §

This instrument was acknowledged before me on May 21, 2018, by Mark A. Carter, Attorney-in-Fact of COG Operating LLC, a Delaware limited liability company, on behalf of same.



  
Notary Public in and for the State of Texas

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220 ~~Littlefield 33 Fed Com 705H-708H, 805H-808H~~  
P 575.748.6940 | F 575.746.2096

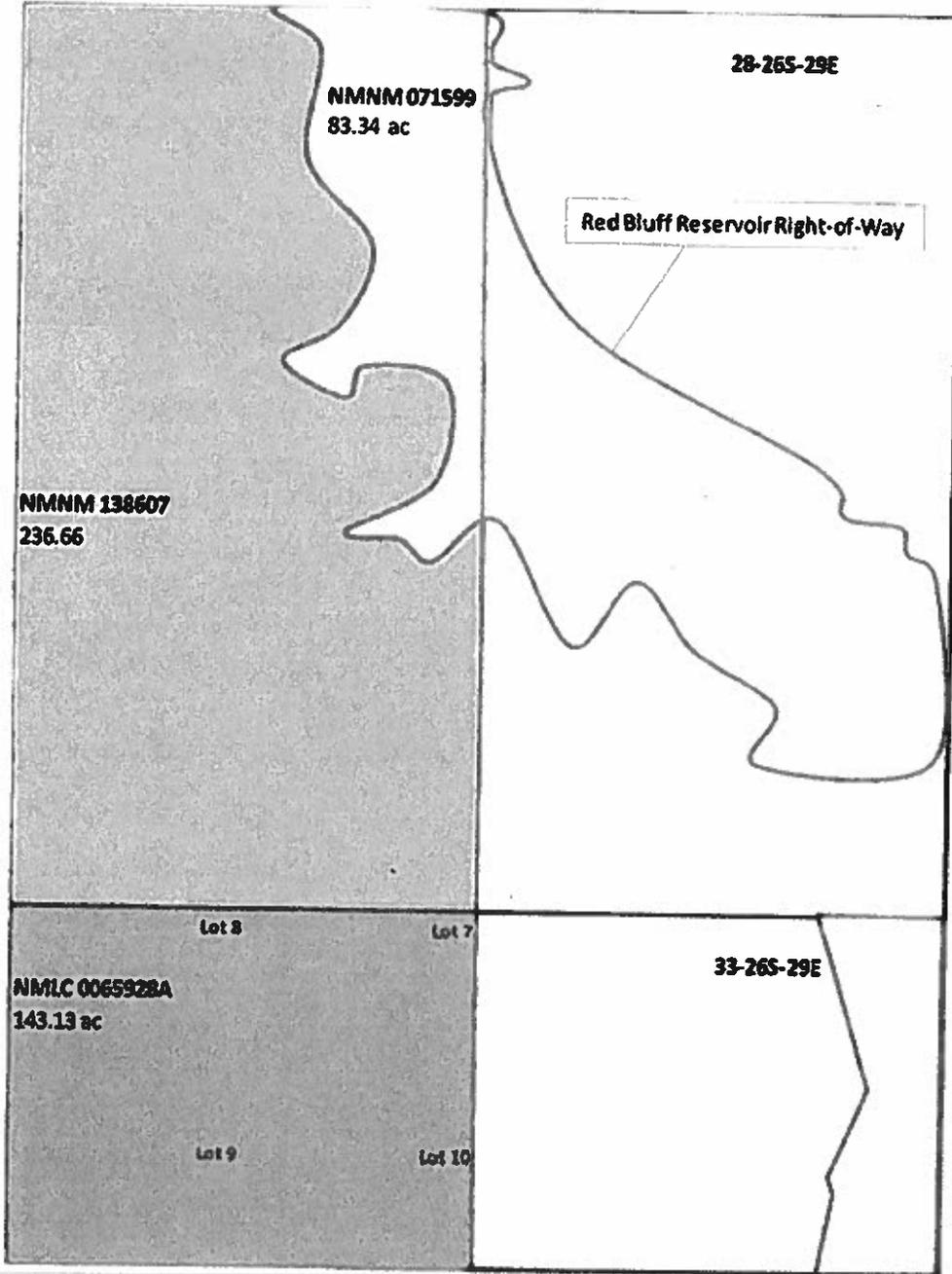


Federal/Federal

**EXHIBIT "A"**

**Plat of communitized area covering the W/2 of Section 28 and Lots 7-10 of Section 33, T26S-R29E, Eddy County, New Mexico**

Littlefield 33 Fed Com 708H, Littlefield 33 Fed Com 808H, Littlefield 33 Fed Com 707H, Littlefield 33 Fed Com 807H, Littlefield 33 Fed Com 706H, Littlefield 33 Fed Com 806H, Littlefield 33 Fed Com 705H, Littlefield 33 Fed Com 805H



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**ARTESIA WEST OFFICE**

**Littlefield 33 Fed Com 705H-708H, 805H-808H**  
2208 Main Street | Artesia, New Mexico 80520  
P 575.748.6940 | F 575.746.2096



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**Well Footage Calls in W/2 of Section 28 and Lots 7-10 of Section 33, T26S-R29E,  
Eddy County, New Mexico**

**Littlefield 33 Fed Com 708H**  
SL: 250' FSL & 736' FWL  
BHL: 200' FNL & 330 FWL

**Littlefield 33 Fed Com 808H**  
SL: 250' FSL & 781' FWL  
BHL: 200' FNL & 660' FWL

**Littlefield 33 Fed Com 707H**  
SL: 250' FSL & 826' FWL  
BHL: 200' FNL & 942' FWL

**Littlefield 33 Fed Com 807H**  
SL: 250' FSL & 871' FWL  
BHL: 200' FNL & 1272' FWL

**Littlefield 33 Fed Com 706H**  
SL: 300' FSL & 2361' FWL  
BHL: 200' FNL & 1554' FWL

**Littlefield 33 Fed Com 806H**  
SL: 300' FSL & 2406' FWL  
BHL: 200' FNL & 1884' FWL

**Littlefield 33 Fed Com 705H**  
SL: 300' FSL & 2451' FWL  
BHL: 200' FNL & 2166' FWL

**Littlefield 33 Fed Com 805H**  
SL: 300' FSL & 2496' FWL  
BHL: 200' FNL & 2496' FWL

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**EXHIBIT "B"**

Attached to and made a part of that Communitization Agreement covering the W/2 of Section 28 and Lots 7-10 of Section 33, T26S-R29E, Eddy County, New Mexico

Operator of Communitized Area: COG Operating LLC

**DESCRIPTION OF LEASES COMMITTED:**

**TRACT NO. 1**

Serial No. of Lease:	NMLC 0065928A	
Date of Lease:	July 1, 1951	
Lessor:	United States of America	
Current Lessee:	COG Operating LLC	
Description of Lands Committed:	Insofar only as said lease covers <u>Township 26 South, Range 29 East, NMPM</u> Section 33: Lots 7-10 Eddy County, New Mexico	
No. of Acres:	143.13 acres, more or less	
WI Owners and Interests:	COG Operating LLC	100.00%
ORRI Owners:	Of Record.	

**TRACT NO. 2**

Serial No. of Lease:	NMNM 138607 (segregated from lease NMNM 038636)	
Date of Lease:	February 1, 1980 (Assignment effective April 1, 2018)	
Lessor:	United States of America	
Current Lessee:	COG Operating LLC	
Description of Lands Committed:	Insofar only as said lease covers <u>Township 26 South, Range 29 East, NMPM</u> Section 28: W/2, excluding that portion within the Red Bluff Reservoir right-of-way Eddy County, New Mexico	
No. of Acres:	236.66 acres, more or less	
WI Owners and Interests:	COG Operating LLC	100.00%
ORRI Owners:	Of Record.	

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**Littlefield 33 Fed Com 705H-708H, 805H-808H**  
2206 Main St, Littlefield, TX 79409  
P 575.748.6940 | F 575.746.2096



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**TRACT NO. 3**

Serial No. of Lease: NMNM 071599  
 Date of Lease: April 1, 1988  
 Lessor: United States of America  
 Current Lessee: Red Bluff Water Power Control District  
 Description of Lands Committed: Insofar only as said lease covers  
Township 26 South, Range 29 East, NMPM  
 Section 28: 83.34 acres lying within the Red Bluff  
 Reservoir right-of-way and  
 Eddy County, New Mexico

No. of Acres: 83.34 acres, more or less  
 WI Owners and Interests: COG Operating LLC 100.00%  
 ORRI Owners: Of Record.

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	143.13	30.91%
2	236.66	51.10%
3	83.34	17.99%
<b>TOTAL</b>	<b>463.13</b>	<b>100.00%</b>

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**ARTESIA WEST OFFICE**

**Littlefield 33 Fed Com 705H-708H, 805H-808H**  
P 575.748.6940 | F 575.746.2096

**From:** [Engineer, OCD, EMNRD](#)  
**To:** [Jeanette Barron](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Bratcher, Mike, EMNRD](#); [lisa@rwbyram.com](mailto:lisa@rwbyram.com); [Glover, James](#); [kparadis@blm.gov](mailto:kparadis@blm.gov); [Walls, Christopher](#)  
**Subject:** Approved Administrative Order OLM-221  
**Date:** Friday, December 11, 2020 4:34:38 PM  
**Attachments:** [OLM221 Order.pdf](#)

NMOCD has issued Administrative Order OLM-221 which authorizes COG Operating, LLC (229137) to surface commingle or off-lease measure, as applicable, the following wells:

Well API	Well Name	Location (NMPM)	Pool Code
30-015-45162	Littlefield 33 Federal Com #705H	F-33-26S-29E	98220
30-015-45163	Littlefield 33 Federal Com #706H	F-33-26S-29E	98220
30-015-45164	Littlefield 33 Federal Com #707H	E-33-26S-29E	98220
30-015-45165	Littlefield 33 Federal Com #708H	E-33-26S-29E	98220
30-015-45166	Littlefield 33 Federal Com #805H	F-33-26S-29E	98220
30-015-45167	Littlefield 33 Federal Com #806H	F-10-26S-29E	98220
30-015-45168	Littlefield 33 Federal Com #807H	E-33-26S-29E	98220
30-015-45169	Littlefield 33 Federal Com #808H	E-33-26S-29E	98220

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval.

Dean McClure  
 Petroleum Engineer, Oil Conservation Division  
 New Mexico Energy, Minerals and Natural Resources Department  
 (505) 469-8211

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION FOR OFF-LEASE MEASUREMENT  
SUBMITTED BY COG OPERATING, LLC**

**ORDER NO. OLM-221**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the Engineering Bureau, issues the following Order.

**FINDINGS OF FACT**

1. COG Operating, LLC (“Applicant”) submitted a complete application to off-lease measure the oil production ("Application") from the wells, pool, and lease identified in Exhibit A.
2. Applicant provided notice of the Application to all persons owning a working interest in the oil production to be off-lease measured in accordance with 19.15.23.9(A)(5) NMAC, and those persons either submitted a written waiver or did not file an objection to the Application.
3. Applicant provided notice of the Application to the Bureau of Land Management or New Mexico State Land Office, as applicable.

**CONCLUSIONS OF LAW**

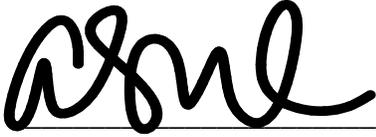
4. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, and 19.15.23 NMAC.
5. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9(A)(5) NMAC.
6. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

**ORDER**

1. Applicant is authorized to off-lease measure oil production from the wells, pool, and lease identified in Exhibit A.
2. The oil production from the wells identified in Exhibit A shall be physically separated from the oil production from other wells and no commingling of production from different leases shall occur in accordance with 19.15.23.9(A)(3) NMAC and 19.15.23.9(A)(4) NMAC.
3. Applicant shall measure the commingled oil at a central tank battery described in Exhibit A in accordance with 19.15.18.15 NMAC or 19.15.23.8 NMAC.
4. Applicant shall calibrate the meters used to measure or allocate oil production in accordance with 19.15.12.10(C)(2) NMAC.

5. OCD retains jurisdiction and reserves the right to modify or revoke this Order if it is deemed necessary to prevent waste or protect correlative rights, public health, or the environment.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**



**ADRIENNE SANDOVAL  
DIRECTOR**

AS/dm

**DATE:** 12/11/2020

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: OLM-221

Operator: COG Operating, LLC (229137)

Central Tank Battery: Littlefield Federal 33N Central Tank Battery

Central Tank Battery Location (NMPM): Unit F, Section 33, Township 26 South, Range 29 East

Central Tank Battery: Red Hills Offload Station

Central Tank Battery Location (NMPM): Unit O, Section 4, Township 26 South, Range 32 East

Central Tank Battery: Jal Offload Station

Central Tank Battery Location (NMPM): Unit D, Section 4, Township 26 South, Range 37 East

Gas Custody Transfer Meter Location (NMPM):

### Pools

Pool Name	Pool Code
PURPLE SAGE; WOLFCAMP (GAS)	98220

### Leases as defined in 19.15.12.7(C) NMAC

Lease	Location (NMPM)
NMNM 138710	W/2 Sec 28, Lot 7 & 8 & 9 & 10 Sec 33 T26S-R29E

### Wells

Well API	Well Name	Location (NMPM)	Pool Code	Train
30-015-45162	Littlefield 33 Federal Com #705H	F-33-26S-29E	98220	
30-015-45163	Littlefield 33 Federal Com #706H	F-33-26S-29E	98220	
30-015-45164	Littlefield 33 Federal Com #707H	E-33-26S-29E	98220	
30-015-45165	Littlefield 33 Federal Com #708H	E-33-26S-29E	98220	
30-015-45166	Littlefield 33 Federal Com #805H	F-33-26S-29E	98220	
30-015-45167	Littlefield 33 Federal Com #806H	F-10-26S-29E	98220	
30-015-45168	Littlefield 33 Federal Com #807H	E-33-26S-29E	98220	
30-015-45169	Littlefield 33 Federal Com #808H	E-33-26S-29E	98220	

**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) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 11150

**CONDITIONS OF APPROVAL**

Operator:	COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	OGRID:	229137	Action Number:	11150	Action Type:	C-107B
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OCD Reviewer	Condition
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval.