



February 11, 2021

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:

Tomahawk Federal Unit 701H  
API# 30-015-47439  
Purple Sage; Wolfcamp (Gas)  
Ut. P, Sec. 20-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 702H  
API# 30-015-47442  
Purple Sage; Wolfcamp (Gas)  
Ut. P, Sec. 20-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 703H  
API# 30-015-47307  
Purple Sage; Wolfcamp (Gas)  
Ut. N, Sec. 20-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 704H  
API# 30-015-47308  
Purple Sage; Wolfcamp (Gas)  
Ut. N, Sec. 20-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 705H  
API# 30-015-47309  
Purple Sage; Wolfcamp (Gas)  
Ut. N, Sec. 20-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 706H  
API# 30-015-47585  
Purple Sage; Wolfcamp (Gas)  
Ut. O, Sec. 19-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 707H  
API# 30-015-47586  
Purple Sage; Wolfcamp (Gas)  
Ut. O, Sec. 19-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 708H  
API# 30-015-47584  
Purple Sage; Wolfcamp (Gas)  
Ut. O, Sec. 19-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 709H  
API# 30-015-47352  
Purple Sage; Wolfcamp (Gas)  
Ut. A, Sec. 29-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 710H  
API# 30-015-47444  
Purple Sage; Wolfcamp (Gas)  
Ut. A, Sec. 29-T24S-R28E  
Eddy County, NM

**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



Tomahawk Federal Unit 711H  
API# 30-015-47321  
Purple Sage; Wolfcamp (Gas)  
Ut. C, Sec. 29-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 712H  
API# 30-015-47336  
Purple Sage; Wolfcamp (Gas)  
Ut. C, Sec. 29-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 713H  
API# 30-015-47320  
Purple Sage; Wolfcamp (Gas)  
Ut. C, Sec. 29-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 714H  
API# 30-015-47500  
Purple Sage; Wolfcamp (Gas)  
Ut. B, Sec. 30-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 715H  
API# 30-015-47501  
Purple Sage; Wolfcamp (Gas)  
Ut. B, Sec. 30-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 716H  
API# 30-015-47502  
Purple Sage; Wolfcamp (Gas)  
Ut. A, Sec. 30-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 717H  
API# 30-015-47503  
Purple Sage; Wolfcamp (Gas)  
Ut. C, Sec. 30-T24S-R28E  
Eddy County, NM

Tomahawk Federal Unit 718H  
API# 30-015-47504  
Purple Sage; Wolfcamp (Gas)  
Ut. C, Sec. 30-T24S-R28E  
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.

Notifications have been sent to all working interest owners

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, communization 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,

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

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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

**Applicant:** COG Operating, LLC **OGRID Number:** 229137  
**Well Name:** Tomahawk Federal Unit 701H (plus 17 more wells) see attached **API:** 30-015-474396  
**Pool:** Purple Sage; Wolfcamp (Gas) **Pool Code:** 98220

**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

FOR OCD ONLY
<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

Jeanette Barron  
 Signature

2/11/21  
 Date

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: 2/11/21  
TYPE OR PRINT NAME Jeanette Barron TELEPHONE NO.: 575.748.6974  
E-MAIL ADDRESS: jbarron@concho.com

DISTRICT I  
1625 N. FRENCH DR., BOBBS, NM 86240  
Phone: (575) 393-9161 Fax: (575) 393-0720

DISTRICT II  
611 S. FIRST ST., ARTESIA, NM 86210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6170 Fax: (505) 334-6170

DISTRICT IV  
1229 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3400 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 30-015-47439	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 701H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3042.4'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	24-S	28-E		412	SOUTH	1106	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	32	24-S	28-E		200	SOUTH	670	EAST	EDDY

Dedicated Acres 1280	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

NAD 83 NME  
SURFACE LOCATION  
Y=435490.2 N  
X=612040.4 E  
LAT.=32.197033' N  
LONG.=104.104761' W

POINT	Y	X
1	435072.8 N	613148.5 E
2	432400.9 N	613171.9 E
3	429730.6 N	613195.5 E
4	427060.5 N	613208.7 E
5	424389.1 N	613222.0 E
6	424387.5 N	610561.0 E

NAD 83 NME  
PROPOSED BOTTOM  
HOLE LOCATION  
Y=424588.7 N  
X=612551.0 E  
LAT.=32.167063' N  
LONG.=104.103185' W

LEASE X-ING  
LAT.=32.195892' N  
LONG.=104.103381' W  
FIP  
10' FNL & 670' FEL  
Y=435066.0 N  
X=612478.5 E  
LAT.=32.195864' N  
LONG.=104.103347' W  
GRID AZ. TO FIP  
134°04'54"

LEASE X-ING  
LAT.=32.188545' N  
LONG.=104.103306' W

LEASE X-ING  
LAT.=32.184873' N  
LONG.=104.103286' W

LTP  
330' FSL & 670' FEL  
Y=424718.7 N  
X=612550.1 E  
LAT.=32.167421' N  
LONG.=104.103187' W

**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* 2/11/21  
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.

JANUARY 30, 2020  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 2/18/20  
Certificate No. CHAD HARCROW 17777  
W.O. # 20-368E DRAWN BY: AH

**DISTRICT I**  
 1625 N. FRENCH DR., HOBBS, NM 88240  
 Phone: (575) 393-6101 Fax: (575) 393-0720

**DISTRICT II**  
 811 S. FIRST ST., ARTESIA, NM 88210  
 Phone: (575) 748-1883 Fax: (575) 748-0720

**DISTRICT III**  
 1000 RIO BRAZOS RD., AZTEC, NM 87410  
 Phone: (505) 334-6176 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 <b>30-015-47442</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Well Number <b>702H</b>
		Elevation <b>3042.1'</b>

**Surface Location**

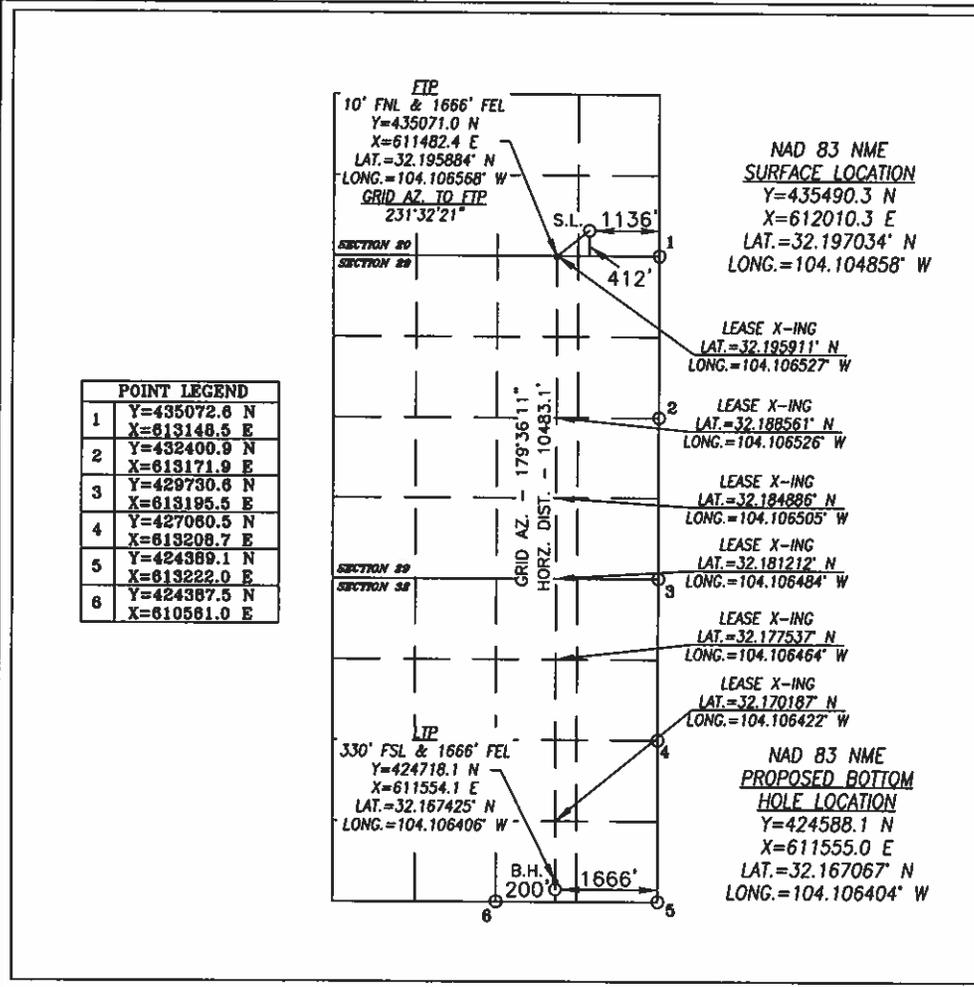
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	24-S	28-E		412	SOUTH	1136	EAST	EDDY

**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
0	32	24-S	28-E		200	SOUTH	1666	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/11/21  
 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.

JANUARY 30, 2020

Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 2/18/20

Certificate No. CHAD HARCROW 17777  
 W.O. # 20-368D DRAWN BY: AH

**DISTRICT I**  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (505) 393-6181 Fax: (505) 393-0780

**DISTRICT II**  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (505) 748-1283 Fax: (505) 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) 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 <b>30-015-47307</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Well Number <b>703H</b>  Elevation <b>3047.3'</b>

**Surface Location**

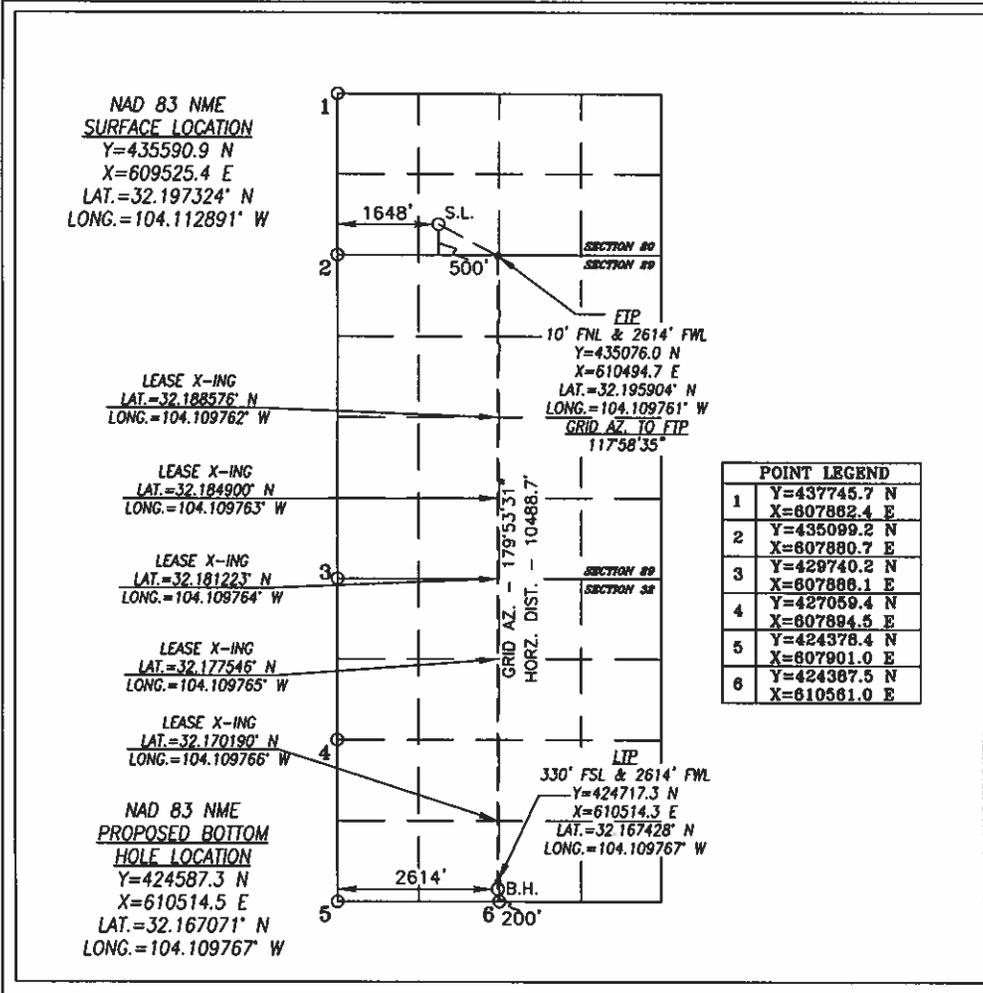
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	24-S	28-E		500	SOUTH	1648	WEST	EDDY

**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
N	32	24-S	28-E		200	SOUTH	2614	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			

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



**OPERATOR CERTIFICATION**

*I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*Jeanette Barron* 2/17/20  
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.*

JANUARY 30, 2020  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad L. Harcrow* 2/17/20  
Certificate No. CHAD HARCROW 17777  
W.O. # 20-368H DRAWN BY: AH

DISTRICT I  
1625 N. FRENCH DR., BOBES, NM 86240  
Phone: (575) 593-6161 Fax: (575) 593-9788

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 86210  
Phone: (575) 748-1283 Fax: (575) 748-9780

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
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Santa Fe, New Mexico 87505

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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-47308	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	
OGRID No. 229137	Operator Name COG OPERATING, LLC	Well Number 704H Elevation 3047.3'

**Surface Location**

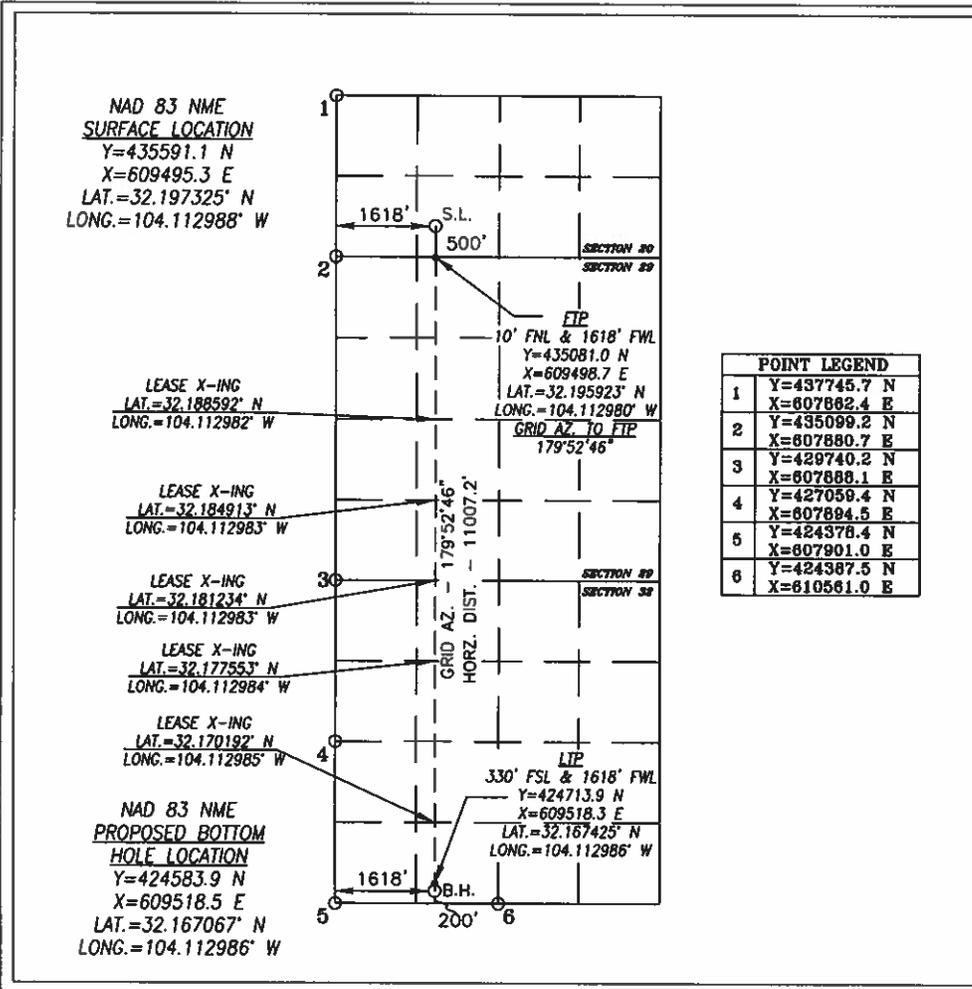
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	24-S	28-E		500	SOUTH	1618	WEST	EDDY

**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
N	32	24-S	28-E		200	SOUTH	1618	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless 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*  
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.

**JANUARY 30, 2020**  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow*  
Signature Date: 2/17/20

Certificate No. **CHAD HARCROW 17777**  
W.O. # 20-368C DRAWN BY: AH

**DISTRICT I**  
 1625 N. FRENCH DR., HOBBS, NM 80240  
 Phone: (575) 303-6181 Fax: (575) 393-0720

**DISTRICT II**  
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 Phone: (505) 746-1283 Fax: (505) 746-9720

**DISTRICT III**  
 1000 RIO BRAZOS RD., AZTEC, NM 87410  
 Phone: (505) 334-6176 Fax: (505) 334-6170

**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**  
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 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 <b>30-015-47309</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Well Number <b>705H</b>
		Elevation <b>3047.9'</b>

**Surface Location**

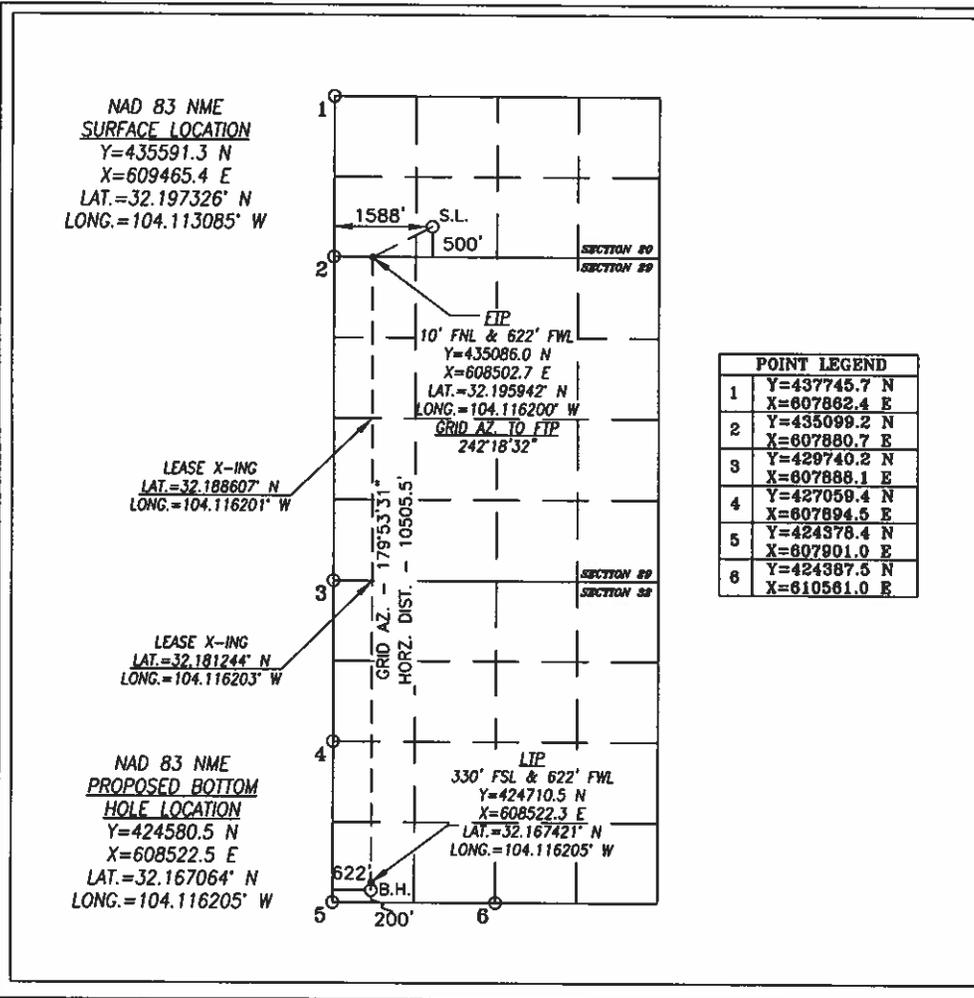
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	24-S	28-E		500	SOUTH	1588	WEST	EDDY

**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
M	32	24-S	28-E		200	SOUTH	622	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/11/21  
 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.

JANUARY 30, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor

*Chad Hargrow* 2/27/20  
 Signature Date

Certificate No. CHAD HARGROW 17777  
 W.O. # 20-368F DRAWN BY: AH

**DISTRICT I**  
 1625 N. FRENCH DR., BOBBS, NM 86240  
 Phone: (575) 393-6141 Fax: (575) 393-0720

**DISTRICT II**  
 811 S. FIRST ST., ARTESIA, NM 86210  
 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 30-015-47585	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 706H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3073.8'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	19	24-S	28-E		500	SOUTH	1340	EAST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	24-S	28-E		200	SOUTH	374	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1283.96			

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

**NAD 83 NME SURFACE LOCATION**  
 Y=435577.2 N  
 X=606537.3 E  
 LAT.=32.197303° N  
 LONG.=104.122551° W

POINT LEGEND	
1	Y=435055.3 N X=605209.8 E
2	Y=429717.2 N X=605222.6 E
3	Y=424385.0 N X=605239.8 E
4	Y=424378.4 N X=607901.0 E
5	Y=427059.4 N X=607894.5 E
6	Y=429740.2 N X=607886.1 E
7	Y=435099.2 N X=607880.7 E

**NAD 83 NME PROPOSED BOTTOM HOLE LOCATION**  
 Y=424579.4 N  
 X=607526.5 E  
 LAT.=32.167066° N  
 LONG.=104.119424° W

LEASE X-ING  
 LAT.=32.195966° N  
 LONG.=104.119481° W

FTP  
 10' FNL & 374' FEL  
 Y=435083.0 N  
 X=607506.8 E  
 LAT.=32.195940° N  
 LONG.=104.119420° W  
 GRID AZ. TO FTP  
 117°00'30"

LEASE X-ING  
 LAT.=32.181244° N  
 LONG.=104.119422° W

FTP  
 330' FSL & 374' FEL  
 Y=424709.4 N  
 X=607526.3 E  
 LAT.=32.167423° N  
 LONG.=104.119424° W

**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* 2/11/21  
 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.*

FEBRUARY 6, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor

*Chad L. Hargrow* 2/18/20  
 Certificate No. CHAD HARGROW 17777  
 W.O. # 20-368K DRAWN BY: WN

**DISTRICT I**  
 1655 N. FRENCH DR., HOBBS, NM 88240  
 Phone: (575) 393-8161 Fax: (575) 393-0780

**DISTRICT II**  
 611 S. FIRST ST., ARTESIA, NM 88210  
 Phone: (575) 746-1889 Fax: (575) 746-9720

**DISTRICT III**  
 1000 RIO BRAZOS RD., AZTEC, NM 87410  
 Phone: (505) 334-6176 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 <b>30-015-47586</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Well Number <b>707H</b>
		Elevation <b>3074.0'</b>

**Surface Location**

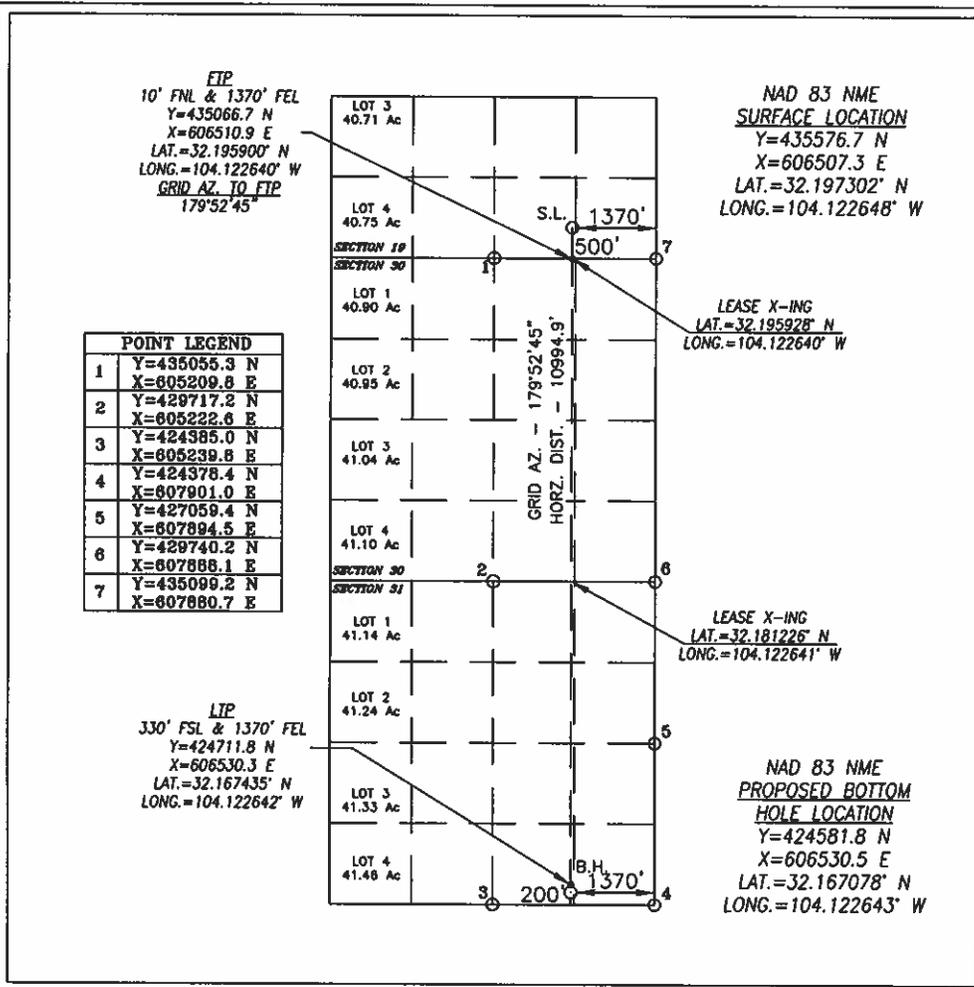
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	19	24-S	28-E		500	SOUTH	1370	EAST	EDDY

**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
0	31	24-S	28-E		200	SOUTH	1370	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1283.96			

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/17/20  
 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.

FEBRUARY 6, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor

*Chad Hargrow* 2/18/20  
 Signature Date

Certificate No. **CHAD HARGROW 17777**  
 W.O. # **20-368J** DRAWN BY: **AH**

**DISTRICT I**  
 1625 N. FRENCH DR., HOBBS, NM 58240  
 Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**  
 811 S. FIRST ST., ARTESIA, NM 58210  
 Phone: (575) 748-1283 Fax: (575) 748-9720

**DISTRICT III**  
 1000 RIO BRAZOS RD., AZTEC, NM 87410  
 Phone: (505) 334-6175 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 30-015-47584	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 708H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3074.2'

**Surface Location**

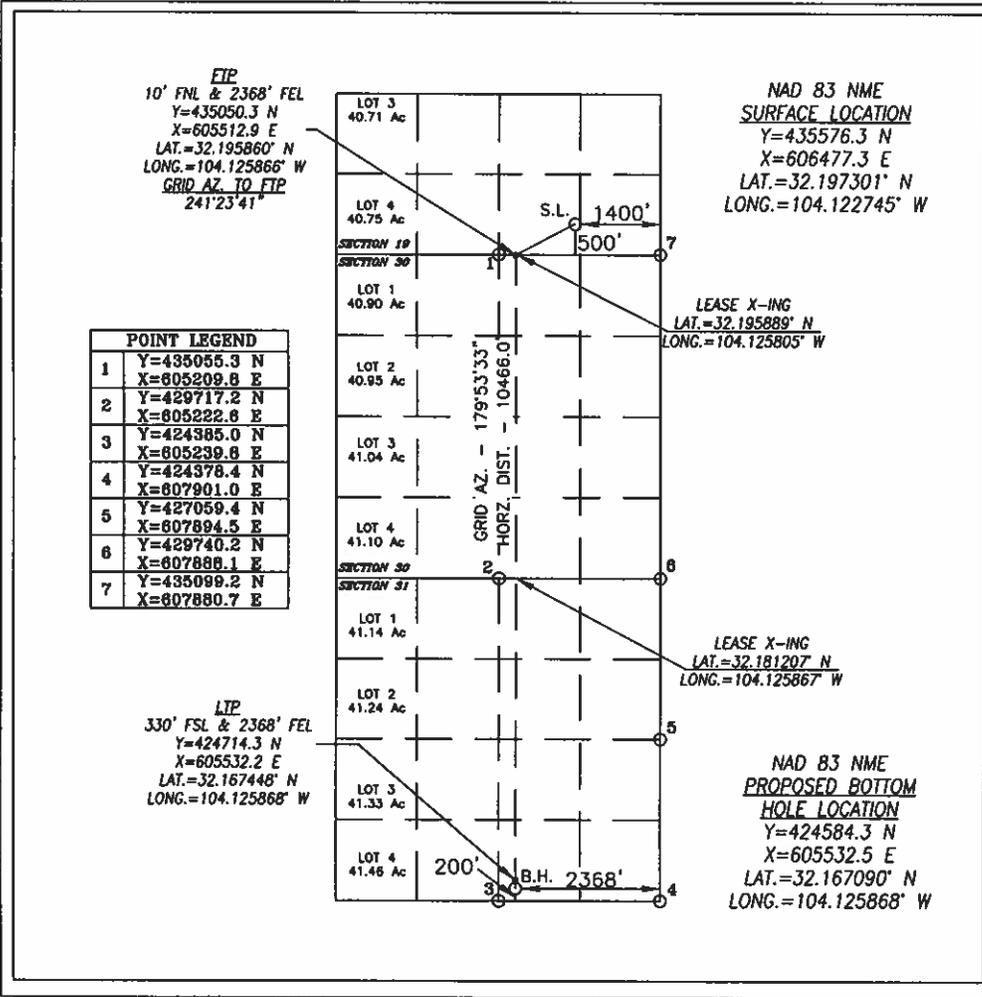
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	19	24-S	28-E		500	SOUTH	1400	EAST	EDDY

**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
0	31	24-S	28-E		200	SOUTH	2368	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1283.96			

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/11/21  
 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.

FEBRUARY 6, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor

**CHAD L. HARCROW**  
 NEW MEXICO  
 17777  
 LICENSED PROFESSIONAL SURVEYOR

*Chad Harcrow* 2/18/20  
 Certificate No. CHAD HARCROW 17777  
 W.O. # 20-3681 DRAWN BY: AH

DISTRICT I  
1626 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 398-8181 Fax: (575) 398-0780

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  
1250 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3480 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 30-015-47352	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 709H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3015.1'

**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	29	24-S	28-E		930	NORTH	1030	EAST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	24-S	28-E		200	NORTH	620	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			

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

NAD 83 NME  
PROPOSED BOTTOM HOLE LOCATION  
Y=445546.7 N  
X=612504.7 E  
LAT.=32.224675° N  
LONG.=104.103190° W

NAD 83 NME  
SURFACE LOCATION  
Y=434147.7 N  
X=612126.4 E  
LAT.=32.193342° N  
LONG.=104.104492° W

**POINT LEGEND**

1	Y=445756.0 N	X=613124.9 E
2	Y=440414.4 N	X=613117.8 E
3	Y=437742.8 N	X=613135.3 E
4	Y=435072.8 N	X=613148.5 E
5	Y=432400.9 N	X=613171.9 E
6	Y=440403.8 N	X=610484.8 E

**OPERATOR CERTIFICATION**

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*Jeanette Barron* 2/11/21  
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.

JANUARY 30, 2020  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 2/18/20  
Certificate No. CHAD HARCROW 17777  
W.O. # 20-3680 DRAWN BY: AH

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

**DISTRICT III**  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-8178 Fax: (505) 334-8170

**DISTRICT IV**  
1520 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 <b>30-015-47444</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Well Number <b>710H</b>  Elevation <b>3014.2'</b>

**Surface Location**

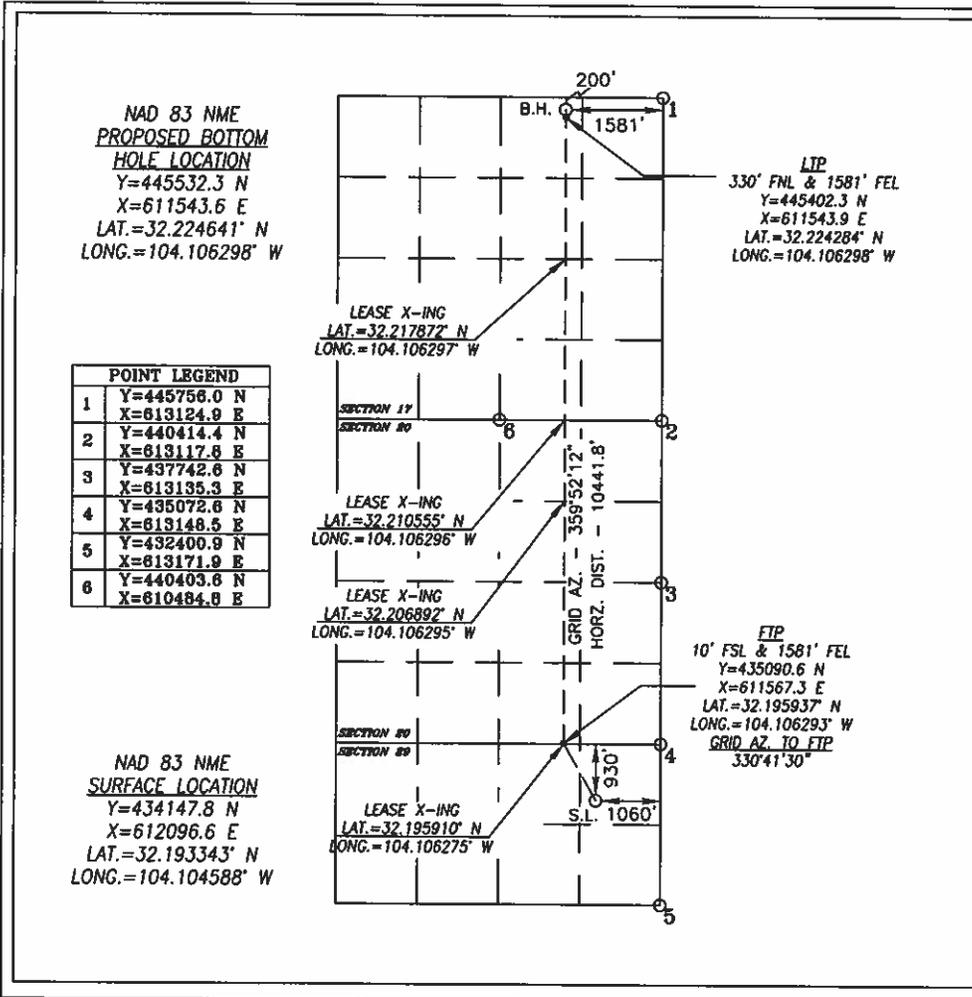
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	24-S	28-E		930	NORTH	1060	EAST	EDDY

**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
B	17	24-S	28-E		200	NORTH	1581	EAST	EDDY

Dedicated Acres <b>1280</b>	Joint or Infill	Consolidation Code	Order No.
--------------------------------	-----------------	--------------------	-----------

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



**OPERATOR CERTIFICATION**

*I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*Jeanette Barron 2/11/21*  
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.*

**JANUARY 30, 2020**  
Date of Survey

Signature & Seal of Professional Surveyor

**Chad L. Hargrow** 2/18/20  
Certificate No. CHAD HARGROW 17777  
W.O. # 20-368N DRAWN BY: AH

**DISTRICT I**  
1825 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 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**  
1820 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 30-015-47321	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 711H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3041.7'

Surface Location

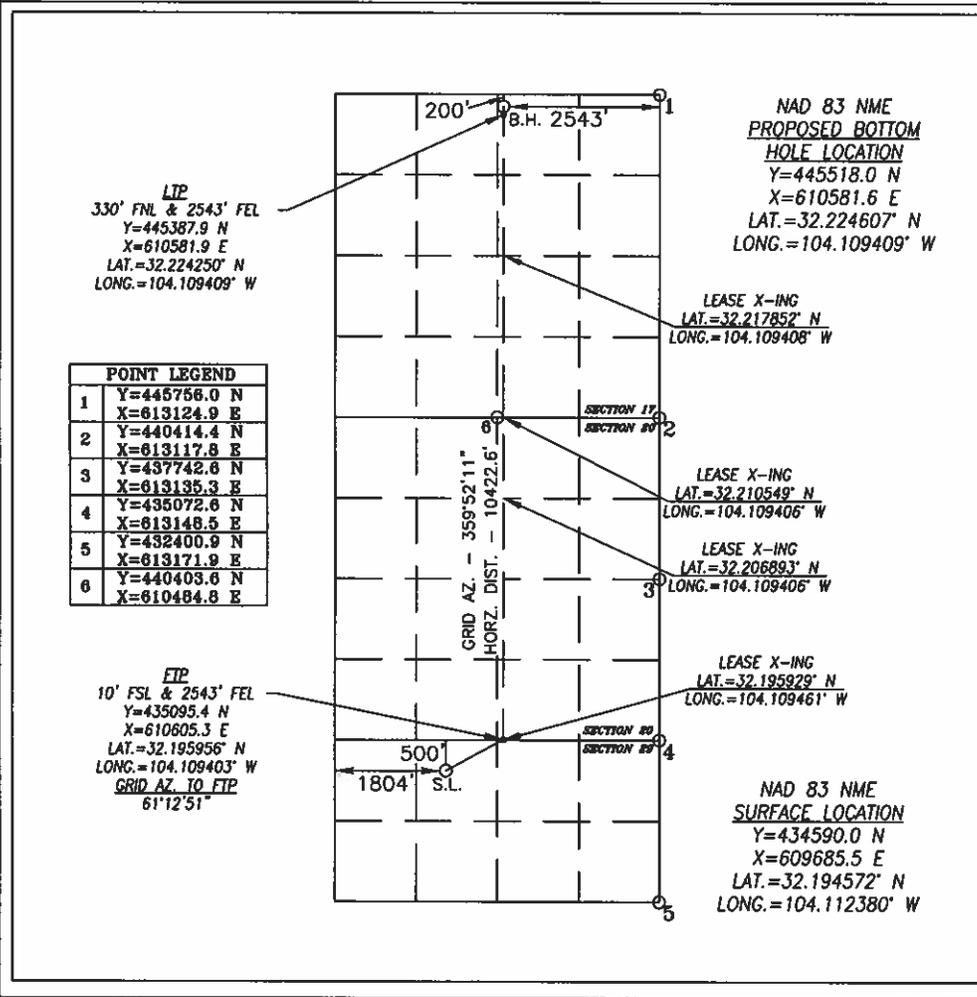
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	24-S	28-E		500	NORTH	1804	WEST	EDDY

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
B	17	24-S	28-E		200	NORTH	2543	EAST	EDDY

Dedicated Acres 1280	Joint or Infill	Consolidation Code	Order No.
-------------------------	-----------------	--------------------	-----------

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless 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 2/11/20*  
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.

JANUARY 30, 2020  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow 2/25/20*

**CHAD L. HARCROW**  
NEW MEXICO  
17777  
LICENSED PROFESSIONAL SURVEYOR

Certificate No. CHAD HARCROW 17777  
W.O. # 20-368C DRAWN BY: AH

**DISTRICT I**  
 1625 N. FRENCH DR., HOBBS, NM 88240  
 Phone: (876) 393-8161 Fax: (876) 393-8780

**DISTRICT II**  
 811 S. FIRST ST., ARTESIA, NM 88210  
 Phone: (505) 748-1283 Fax: (505) 748-9720

**DISTRICT III**  
 1000 RIO BRAZOS RD., AZTEC, NM 87410  
 Phone: (505) 334-6176 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 30-015-47336	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 712H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3042.0'

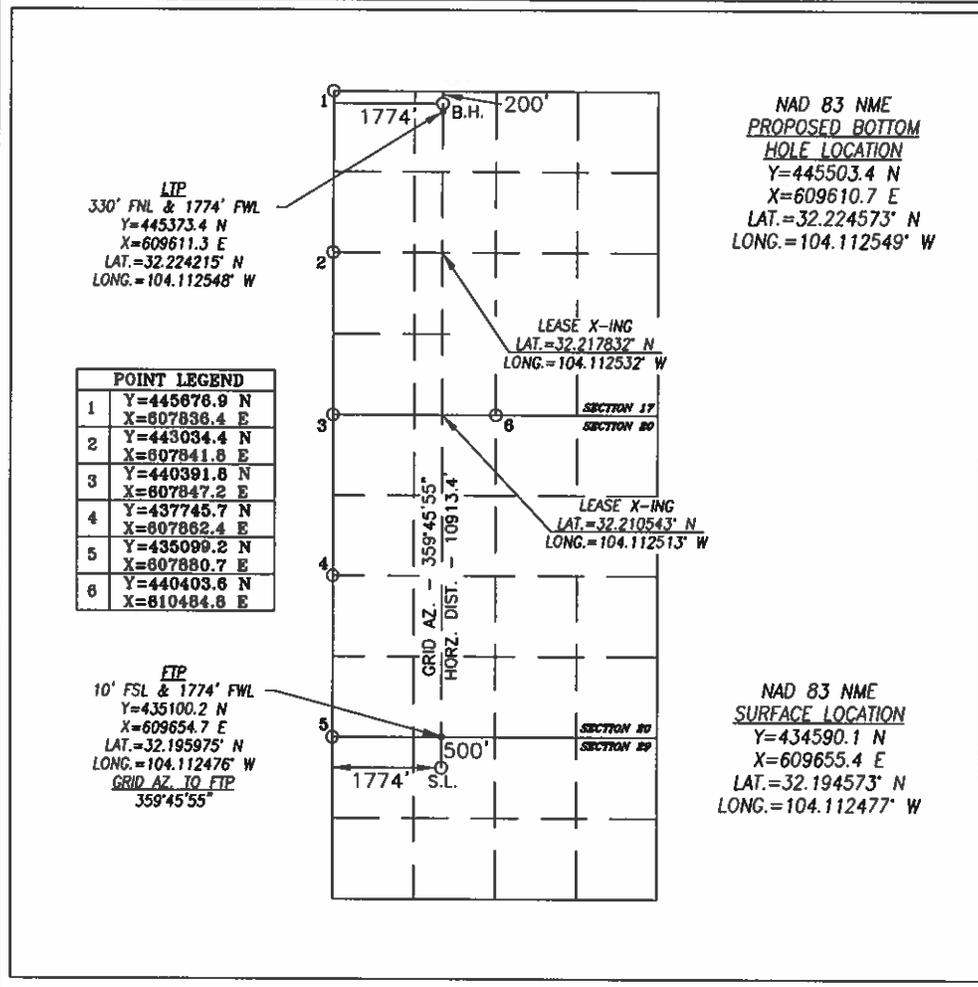
**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	24-S	28-E		500	NORTH	1774	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	17	24-S	28-E		200	NORTH	1774	WEST	EDDY
Dedicated Acres 1280	Joint or Infill	Consolidation Code	Order No.						

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/11/21  
 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.

JANUARY 30, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 2/17/20  
 Certificate No. CHAD HARCROW 17777  
 W.O. # 20-368B DRAWN BY: AH

**DISTRICT I**  
1626 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 593-6161 Fax: (575) 363-0720

**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) 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 <b>30-015-47320</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	Well Number <b>713H</b>
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Elevation <b>3042.5'</b>

**Surface Location**

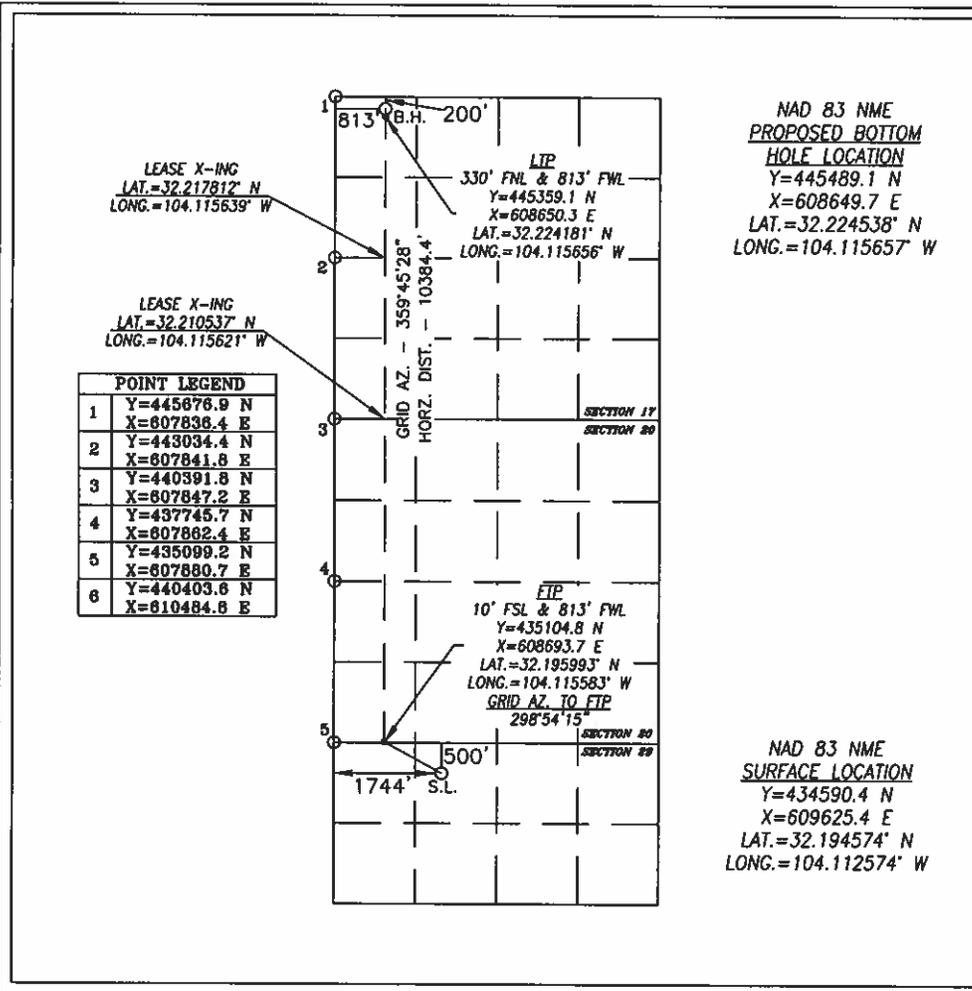
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	24-S	28-E		500	NORTH	1744	WEST	EDDY

**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	17	24-S	28-E		200	NORTH	813	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			

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



**OPERATOR CERTIFICATION**

*I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*Jeanette Barron 2/11/21*  
 Signature Date

Jeanette Barron  
 Printed Name  
 jbaron@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.*

JANUARY 30, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor  
  
*Chad L. Harcrow* 2/17/20  
 Certificate No. CHAD HARCROW 17777  
 W.O. # 20-368A DRAWN BY: AH

**DISTRICT I**  
1625 N. FRENCH DR., HOHES, NM 86240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**  
811 S. FIRST ST., ARTESIA, NM 86210  
Phone: (575) 746-1283 Fax: (575) 746-9720

**DISTRICT III**  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6176 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 30-015-47500	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 714H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3071.6'

**Surface Location**

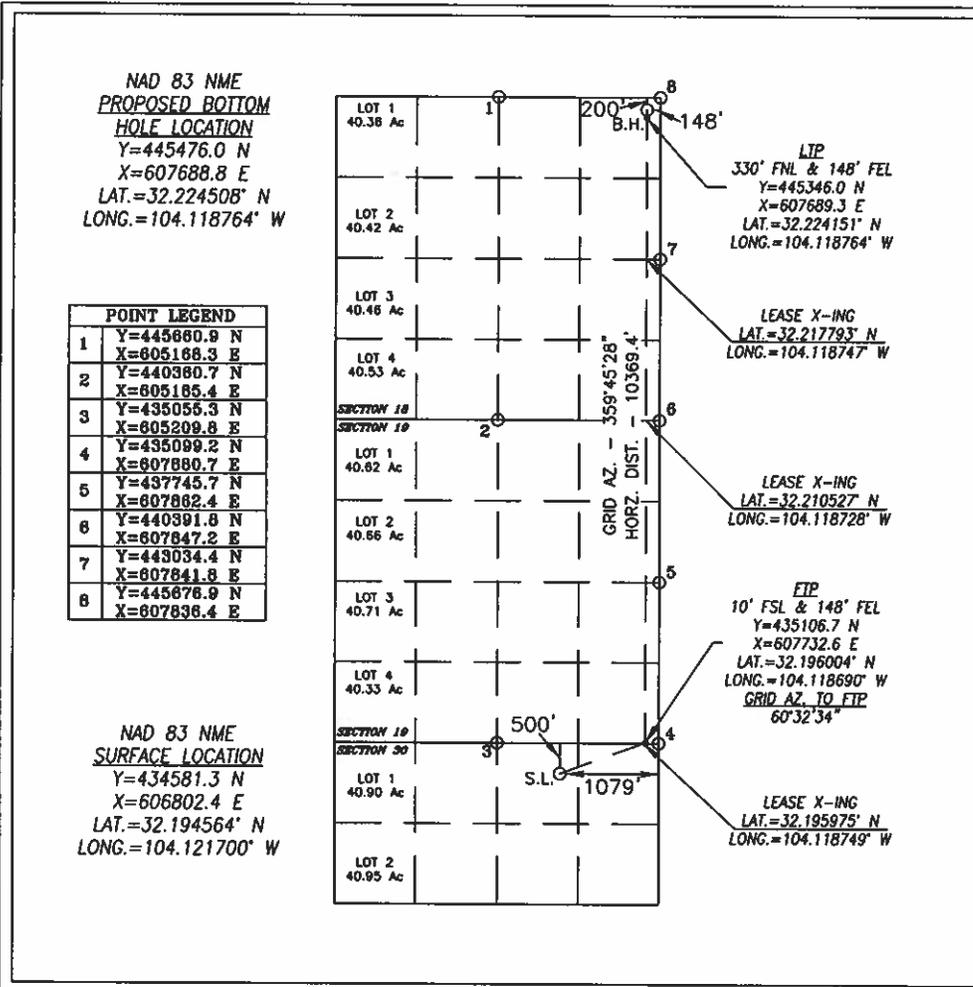
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	24-S	28-E		500	NORTH	1079	EAST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	24-S	28-E		200	NORTH	148	EAST	EDDY

Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/11/21  
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.

FEBRUARY 13, 2020  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 2/20/20  
Certificate No. CHAD HARCROW 17777  
W.O. # 20-368R DRAWN BY: AH

**DISTRICT I**  
 1625 N. FRENCH DR., BOBBS, NM 86240  
 Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**  
 811 S. FIRST ST., ARTESIA, NM 86210  
 Phone: (575) 748-1265 Fax: (575) 748-9720

**DISTRICT III**  
 1000 RIO BRAZOS RD., AZTEC, NM 87410  
 Phone: (505) 334-6176 Fax: (505) 334-6170

**DISTRICT IV**  
 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
 Phone: (505) 476-3460 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 30-015-47501	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 715H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3071.8'

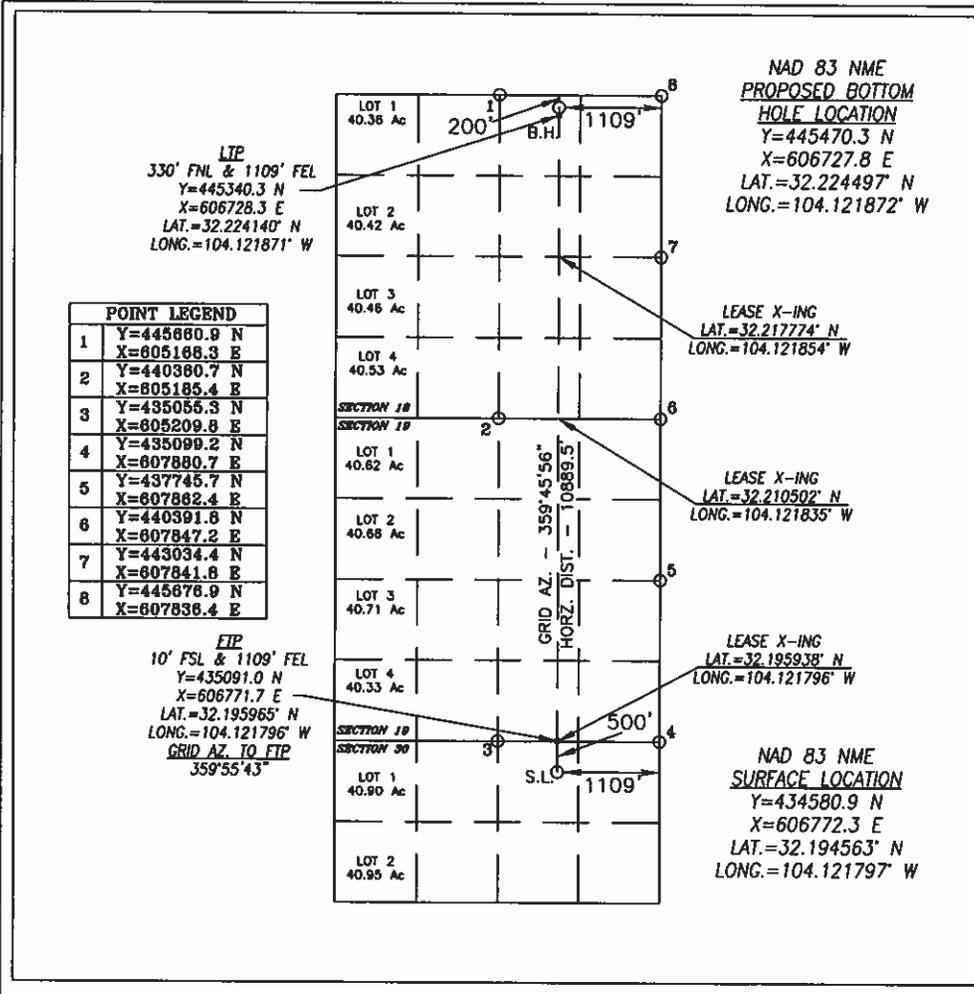
**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	24-S	28-E		500	NORTH	1109	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
B	18	24-S	28-E		200	NORTH	1109	EAST	EDDY
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.						

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



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jeanette Barron* 2/14/21  
 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.

FEBRUARY 13, 2020  
 Date of Survey

Signature & Seal of Professional Surveyor

*Chad Hargrow* 2/20/20  
 Certificate No. CHAD HARGROW 17777  
 W.O. # 20-368Q DRAWN BY: AH

**DISTRICT I**  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (576) 393-8161 Fax: (576) 393-0720

**DISTRICT II**  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (576) 748-1263 Fax: (576) 748-9720

**DISTRICT III**  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6176 Fax: (505) 334-6170

**DISTRICT IV**  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3450 Fax: (505) 476-3452

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 <b>30-015-47502</b>	Pool Code <b>98220</b>	Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
Property Code <b>328919</b>	Property Name <b>TOMAHAWK FEDERAL UNIT</b>	
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Well Number <b>716H</b>
		Elevation <b>3072.1'</b>

**Surface Location**

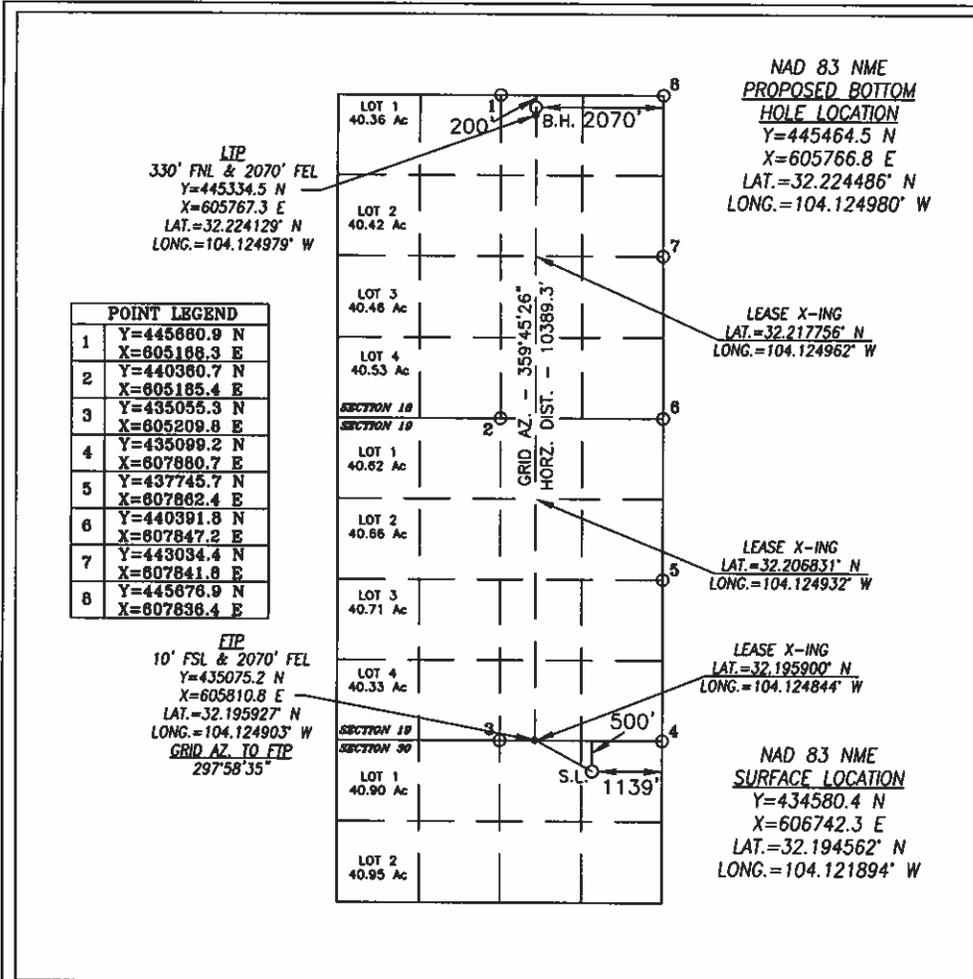
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	24-S	28-E		500	NORTH	1139	EAST	EDDY

**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
B	18	24-S	28-E		200	NORTH	2070	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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



**OPERATOR CERTIFICATION**

*I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Signature Date **2/11/20**

**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.*

**FEBRUARY 13, 2020**  
 Date of Survey

Signature & Seal of Professional Surveyor

**Chad HARCROW** 2/20/20  
 Certificate No. CHAD HARCROW 17777  
 W.O. # 20-368P DRAWN BY: AH

**DISTRICT I**  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 593-8161 Fax: (575) 593-9720

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

**DISTRICT IV**  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 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 30-015-47503	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 717H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3093.2'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	24-S	28-E		225	NORTH	1436	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
N	31	24-S	28-E		200	SOUTH	1918	WEST	EDDY

Dedicated Acres 640	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

**NAD 83 NME SURFACE LOCATION**  
Y=434809.4 N  
X=603969.4 E  
LAT.=32.195206° N  
LONG.=104.130857° W

**NAD 83 NME PROPOSED BOTTOM HOLE LOCATION**  
Y=424585.2 N  
X=604464.8 E  
LAT.=32.167098° N  
LONG.=104.129318° W

POINT LEGEND	
1	Y=435010.2 N X=602533.0 E
2	Y=432352.5 N X=602537.8 E
3	Y=429693.4 N X=602543.9 E
4	Y=427037.7 N X=602547.3 E
5	Y=424385.7 N X=602548.7 E
6	Y=424385.0 N X=605239.8 E
7	Y=429717.2 N X=605222.6 E
8	Y=435055.3 N X=605209.8 E

**OPERATOR CERTIFICATION**

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*Jeanette Barron* 2/11/20  
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.

FEBRUARY 13, 2020  
Date of Survey

Signature & Seal of Professional Surveyor



*Chad Harcrow* 2/19/20  
Certificate No. CHAD HARCROW 17777  
W.O. # 20-368M DRAWN BY: AH

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6101 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) 334-6176 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87506  
Phone: (505) 476-3480 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

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Revised August 1, 2011  
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District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-47504	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 328919	Property Name TOMAHAWK FEDERAL UNIT	Well Number 718H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3093.4'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	24-S	28-E		225	NORTH	1406	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
4	31	24-S	28-E		200	SOUTH	922	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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

**POINT LEGEND**

1	Y=435010.2 N X=602533.0 E
2	Y=432352.5 N X=602537.8 E
3	Y=429693.4 N X=602543.9 E
4	Y=427037.7 N X=602547.3 E
5	Y=424385.7 N X=602546.7 E
6	Y=424385.0 N X=602539.6 E
7	Y=429717.2 N X=605222.6 E
8	Y=435055.3 N X=605209.8 E

**OPERATOR CERTIFICATION**

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*Jeanette Barron* 2/11/21  
Signature Date

Jeanette Barron  
Printed Name

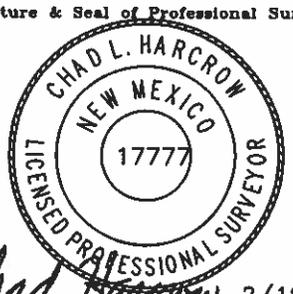
jbarron@concho.com  
E-mail Address

**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.

JANUARY 30, 2020  
Date of Survey

Signature & Seal of Professional Surveyor



*Chad Harcrow* 2/19/20  
Certificate No. CHAD HARCROW 17777  
W.O. #20-368L DRAWN BY: AH

**Surface Location:** 1406' (UL to S.L.), 225' (UL to S.L.)

**Bottom Hole Location:** 922' (UL to B.H.), 200' (UL to B.H.)

**Lot Areas:** LOT 1 (40.87 Ac), LOT 2 (40.95 Ac), LOT 3 (41.04 Ac), LOT 4 (41.10 Ac), LOT 1 (41.14 Ac), LOT 2 (41.24 Ac), LOT 3 (41.33 Ac), LOT 4 (41.46 Ac)

**Grid Information:** GRID AZ. TO FIP 256°50'01", GRID AZ. - 179°55'22", HORZ. DIST. - 101'10.2"

**Lease Information:** LEASE X-ING LAT.=32.181168° N, LONG.=104.132528° W

**Coordinates:** FIP 330' FNL & 922' FWL Y=434695.7 N, X=603455.5 E, LAT.=32.194896° N, LONG.=104.132519° W; LIP 330' FSL & 922' FWL Y=424715.5 N, X=603468.6 E, LAT.=32.167462° N, LONG.=104.132537° W; NAD 83 NME SURFACE LOCATION Y=434808.9 N, X=603939.3 E, LAT.=32.195205° N, LONG.=104.130955° W; NAD 83 NME PROPOSED BOTTOM HOLE LOCATION Y=424585.5 N, X=603468.8 E, LAT.=32.167104° N, LONG.=104.132537° W

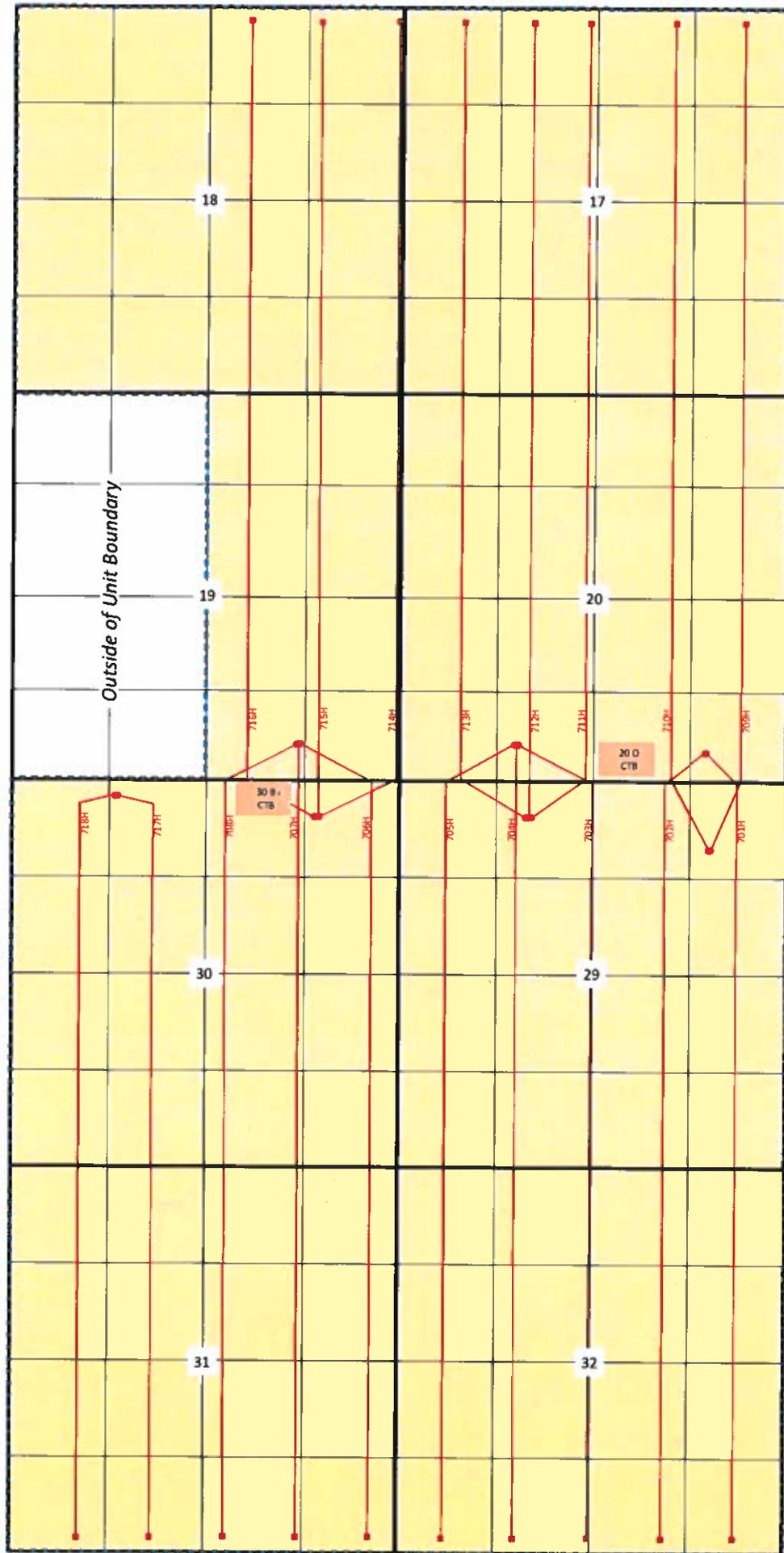




0W - 04/16/20

Tomahawk Federal  
 Exploratory Unit  
 Unit #NMMN140216X  
 Secs. 17-20, 29-32, T 24S-R28E  
 Eddy County, NM

- \*\*Purple Sage Wolfcamp Pool\*\***
- WFMPA SHL
  - WFMPA BHL
  - ⋯ Wolfcamp Unit Boundary



Outside of Unit Boundary



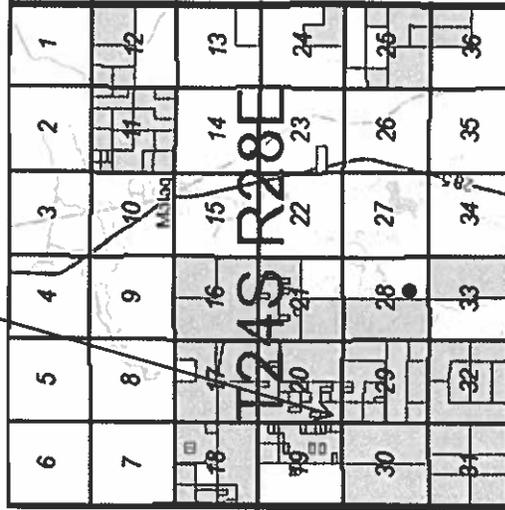
<b>LEGEND</b> WELL WELLPAD GAS LINE FLOWLINE	<b>TOMAHAWK WC UNIT FLOWLINES &amp; GAS LINES</b>		 <b>CONCHO</b> COG OPERATING, LLC
	SECTIONS: 19 & 30    TOWNSHIP: 24 S.    RANGE: 28 E.		
	STATE: NEW MEXICO    COUNTY: EDDY    SURVEY: N.M.P.M		
	W.O. # 20-1110    LEASE: TOMAHAWK		
 		1 IN = 500 FT	
PIPELINE OVERVIEW    IMAGERY    3-5 2020    D.S.		 <b>HARCROW SURVEYING, LLC.</b> 2316 W. MAIN ST, ARTESIA, NM 88210 PH: (575) 746-2158 c.harcrow@harcrowsurveying.com	



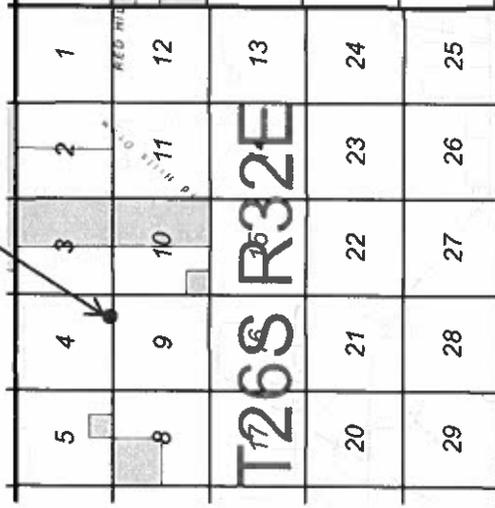
<b>LEGEND</b> WELL WELLPAD GAS LINE FLOWLINE	<b>TOMAHAWK WC FLOWLINES &amp; GAS LINES</b>		 <b>CONCHO</b> COG OPERATING, LLC
	SECTIONS: 20 & 29    TOWNSHIP: 24 S.    RANGE: 28 E.		
	STATE: NEW MEXICO    COUNTY: EDDY    SURVEY: N.M.P.M		
	W.O. # 20-1110    LEASE: TOMAHAWK		
 		1 IN = 500 FT	
PIPELINE OVERVIEW    IMAGERY    3/5/2020    D.S.		 <b>HARCROW SURVEYING, LLC.</b> 2316 W. MAIN ST, ARTESIA, NM 88210 PH: (575) 746-2158 c.harcrow@harcrowsurveying.com	

# Tomahawk Fed Unit 701H-718H & Red Hills and Jal Offload Station Map

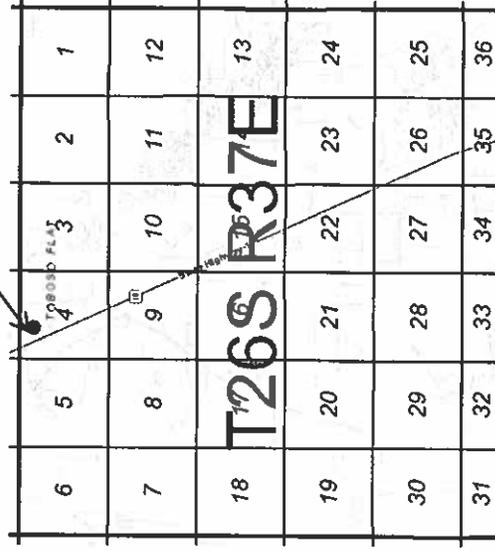
Tomahawk Fed Unit 701H-718H  
Eddy County, NM



Red Hills Offload Station  
Lea County, NM



Jal Offload Station  
Lea County, NM



Tomahawk Fed Unit 701H-718H OLM									
Date Sent	Initials	Name	Address	City	State	ZipCode	Certified Return Receipt No.	Delivered	
02.11.21	JB	Norma Chanley	407 Arriba	Hobbs	NM	88240	7017 3040 0000 126 4357		
02.11.21	JB	Featherstone Development Corporation	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 126 4364		
02.11.21	JB	Big Three Energy Group	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 126 4371		
02.11.21	JB	Prospector LLC	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 126 4388		
02.11.21	JB	Parrot Head Properties, LLC	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 126 4395		
02.11.21	JB	McCombs Energy LLC	755 E. Mulberry Avenue	San Antonio	TX	78212	7017 3040 0000 126 4340		
02.11.21	JB	Roy G. Barton III	1919 N. Turner Street	Hobbs	NM	88240	7017 3040 0000 126 4401		
02.11.21	JB	Roy G. Barton Jr.	1919 N. Turner Street	Hobbs	NM	88240	7017 3040 0000 126 4432		
02.11.21	JB	Brett C. Barton	1919 N. Turner Street	Hobbs	NM	88240	7017 3040 0000 126 4425		
02.11.21	JB	Heidi C. Barton	2008 N. Vega	Hobbs	NM	88240	7017 3040 0000 126 4418		
02.11.21	JB	BLM	620 E. Green Street	Carlsbad	NM	88220	7017 3040 0000 126 4333		

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

**IN THE MATTER OF THE HEARING CALLED BY  
THE OIL CONSERVATION DIVISION FOR THE  
PURPOSE OF CONSIDERING:**

**CASE NO. 20659  
ORDER NO. R-21254**

**APPLICATION OF COG OPERATING LLC FOR APPROVAL OF THE TOMAHAWK  
UNIT, ELIMINATION OF INTERNAL SETBACKS WITHIN UNIT AREA, AND  
APPROVAL FOR SURFACE COMMINGLING, EDDY COUNTY, NEW MEXICO.**

**ORDER OF THE DIVISION**

**BY THE DIVISION:**

This case come for hearing at 8:15 a.m. on August 23, 2019, at Santa Fe, New Mexico, before Examiners Michael McMillan and Kathleen Murphy.

NOW, on this 9th day of April 2020, the Division Director, having considered the testimony, the record and recommendations of the Examiner,

**FINDS THAT**

(1) Due public notice has been given, and the Oil Conservation Division (“OCD”) has jurisdiction of this case and of the subject matter.

(2) COG Operating LLC (“Concho” or “Applicant”) seeks approval of the Tomahawk WC Federal Exploratory Unit (“Unit”), a federal exploratory unit; elimination of internal setbacks within the Unit Area; and approval for surface commingling within the Unit.

(3) The Unit comprises the following lands (“Unit Area”), comprising 4,803.16 acres (more or less) of federal, state, and fee lands, in Eddy County, New Mexico

**Township 24 South, Range 28 East, NMPM**

- Section 17: All
- Section 18: All
- Section 19: E/2
- Section 20: All
- Section 29: All

Section 30: All  
Section 31: All  
Section 32: All

(4) In addition to specifying the Unit Area, the Unit Agreement defines the Unitized Interval and limits the unit to horizontal wells completed within that Unitized Interval. The specifics are as follows:

- (a) The "Unitized Interval" is the Wolfcamp formation with the stratigraphic equivalent of the top of the Wolfcamp formation at a measured depth of 9,285 feet beneath the surface to the base of the Wolfcamp formation at a measured depth of 10,853 feet beneath the surface as seen on the gamma ray log for the High Brass Fee Well No. 1 (API No. 30-015-33952), located in Section 20, Township 24 South, Range 28 East, Eddy County, New Mexico.
- (b) The Unit currently encompasses a portion of the Purple Sage; Wolfcamp Gas Pool (Pool Code 98220). Rule 2 of the Special Rules for the Pool requires horizontal wells to be located no closer than 330 feet to the exterior boundary of the applicable spacing unit, with 10-foot setbacks for the surface location and bottom hole location from any quarter-quarter section line. However, the statewide rules for horizontal oil wells eliminate any internal setbacks within a unit boundary.

(5) Applicant appeared at the hearing through counsel and presented the following testimony:

- (a) The Unit is comprised of four (4) federal tracts, or 41.67% of the Unit acreage; three (3) state tracts, or 20.83% of the Unit Acreage; and forty-two (42) patented (fee) tracts comprising 37.50% of the Unit acreage. All federal, state and fee leases are past their primary terms.
- (b) Previously, there were five nonparticipating fee mineral owners, making up about 0.25% of the Unit acreage. These owners were given offers and notified of this hearing but have not responded to offers to voluntarily participate in the Unit. At the time of the hearing, three of the five mineral owners, making up about 0.13% of the Unit acreage, have signed the Unit Agreement to participate as working interest owners.
- (c) The federal exploratory unit agreement was used with modifications as specified in preceding findings as well as insertion of language identifying participating area boundaries and provision that the Unit may be contracted.
- (d) The Unit Agreement has been given written preliminary approval by the Bureau of Land Management ("BLM") [Concho Exhibit No. 3] as well as

- by the Commissioner of Public Lands, New Mexico State Land Office (“NMSLO”). Concho anticipates over 85% working interest participating in the Unit. The BLM will not give final approval of the Unit without at least 85% participation.
- (e) The Unit is located geographically within the Purple Sage;Wolfcamp Gas Pool and all wells are expected to produce primarily oil. The main target intervals consist of shale and sands within the Wolfcamp formation.
  - (f) Subject to final instruction from the BLM, the acreage in the Unit is divided two areas: the northern portion of the Unit designated the “Northern BLM Option 1 Initial Participation Area” and the southern portion of the Unit which does not overlap. Obligation wells are to be drilled in the two areas with the intent of merging the two areas into a single Unit (identified as a Preferred Rapid Development Participation Area) based on the geological evidence from the wells and demonstrations of the production.
  - (g) The initial well will be the Tomahawk 18 17 Well No. 701H to be drilled at a location in the N/2 of Sections 17 and 18 of Township 24 South, Range 28 East, NMPM or a different well and at a location approved by the BLM, with multiple wells planned in each participating area.
  - (h) The setbacks from the Unit boundaries set forth in the statewide rules for horizontal oil well completions should be adequate to protect offsetting mineral owners located outside the Unit.
  - (i) Elimination of internal setbacks within the Unit Area is consistent with the statewide rules for horizontal wells and supports efficient development of the Unit Area.
  - (j) Approval in this Order for surface commingling within the Unit allows for administrative efficiencies at the OCD, fewer tank batteries, reduced surface disturbance, and reduction of costs for each wellbore.
  - (k) The Plan of Developments submitted each year by the operator of this Unit will be of public record that can be accessed by interested parties.
  - (l) Applicant has provided notice of this application and hearing to all owners within the Unit and to offset operators and working interest owners in any wells dedicated to the Wolfcamp;Purple Sage Gas Pool in producing adjacent spacing units surrounding the Unit.
  - (m) Applicant has caused notice of this application to be published in the Carlsbad Argus newspaper published in the city of Carlsbad, Eddy County, New Mexico.

(6) EOG Resources, Inc. ("EOG"), an interest owner in the Unit, entered an appearance and was represented at the hearing by counsel and opposed the application. EOG subsequently dismissed its protest and opposition of the application on January 3, 2020, and has ratified the Unit Agreement.

(7) MRC Permian Company, an interest owner in the Unit, entered an appearance and was represented at the hearing by counsel but did not oppose the application. No other party entered an appearance or otherwise opposed this application.

The OCD concludes:

(8) Applicant has provided proper and adequate notice of this application and hearing.

(9) The geologic evidence presented demonstrates that the entire Unit should be productive within the Unitized Interval. Within the Unit, the OCD's statewide rules for horizontal oil well setbacks from the outer Unit Area boundaries as wells as elimination of internal setbacks should apply. Unit Wells should be defined as those wells allowed for in the Unit Agreement.

(10) The provisions contained in the Unit Agreement are in the best interest of conservation and the prevention of waste.

(11) Approval of the Unit will provide the Applicant the flexibility to locate and drill wells in the Unit to maximize recovery of oil and gas from the Unitized Interval, thereby preventing waste, and will provide the Applicant latitude to conduct operations in an effective and efficient manner within the Unit.

(12) Approval of the authority for surface commingling within the Unit will decrease impacts to surface resources, increase efficiency of operation and reduce the potential for waste.

(13) The Tomahawk WC Federal Exploratory Unit should be approved.

(14) COG Operating LLC should be designated the Unit operator.

(15) Applicant should provide to the OCD a written copy of the final approval of the Tomahawk WC Federal Exploratory Unit by the BLM. Applicant should submit a copy of the annual Tomahawk WC Federal Unit Plan of Development to the OCD for review.

(16) In the event of subsequent joinder by any other party, or expansion or contraction of the Unit Area, the Unit operator should file with the OCD, within sixty (60) days thereafter, counterparts of the Unit Agreement reflecting the subscription of those interests having joined or ratified.

**IT IS THEREFORE ORDERED THAT**

(1) As per the application of COG Operating LLC, the Tomahawk WC Federal Exploratory Unit [NMNM140216X] (“Unit”) of federal, state, and fee lands in Eddy County, New Mexico, is hereby approved.

(2) The Unit shall comprise the following 4,803.16 acres (more or less) in Eddy County, New Mexico:

**Township 24 South, Range 28 East, NMPM**

Section 17: All  
Section 18: All  
Section 19: E/2  
Section 20: All  
Section 29: All  
Section 30: All  
Section 31: All  
Section 32: All

(3) The portion of this application asking for elimination of internal setbacks is hereby approved.

(4) The portion of this application asking for approval of surface commingling for wells completed within the Unit is hereby approved with the following conditions:

- (a) The oil and gas production from each well shall be separated and metered prior to commingling.
- (b) Applicant shall measure the commingled oil at the central tank battery in accordance with 19.15.18.15 NMAC or 19.15.23.8 NMAC.
- (c) Applicant shall measure the commingled gas at the central delivery point in accordance with 19.15.19.9 NMAC, provided however that if the gas is flared, regardless whether OCD has granted an exception pursuant to 19.15.18.12(B) NMAC, Applicant shall report the gas in accordance with 19.15.18.12(F) NMAC.
- (d) Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10(C)(2) NMAC.
- (e) Prior to commingling, the Applicant shall notify the OCD by filing Form C-103 with the Engineering Bureau of the Santa Fe office with the information requirements described in 19.15.12.10(B)(2) NMAC.

- (f) The Applicant may commence commingling upon the OCD's approval of Form C-103, subject to compliance with any conditions of the approval, and the written approved by the BLM or NMSLO, as applicable. See 19.15.12.10(B)(3) and (C)(4)(h) NMAC.

(5) This order shall be effective on the first day of the month following the later of (i) the entry date of this order or (ii) the date on which final approval of the Tomahawk WC Federal Exploratory Unit is obtained by Applicant from the BLM. The final approval letter by the BLM shall be provided by the Unit operator to the OCD and included in this case file.

- (6) COG Operating LLC (OGRID No. 229137) is hereby designated the Unit operator.

(7) Pursuant to the Unit Agreement, the Unitized Interval shall include all oil and gas in the Wolfcamp formation of the unitized lands, defined as the stratigraphic equivalent of the top of the Wolfcamp formation at a measured depth of 9,285 feet beneath the surface to the base of the Wolfcamp formation at a measured depth of 10,853 feet beneath the surface as seen on the gamma ray log in the High Brass Fee Well No. 1 (API No. 30-015-33952), located in Section 20, Township 24 South, Range 28 East, Eddy County, New Mexico.

(8) All future wells within the horizontal limits of this Unit but not designated per the Unit Agreement as Unit wells shall be dedicated and subject to the requirements of existing pools or statewide rules.

(9) Any Unit well may be drilled anywhere within any Participating Area provided that no portion of the completed interval is closer than the setbacks set forth in the OCD statewide rules for horizontal oil wells to the outer boundary of the Unit unless otherwise approved by the OCD pursuant to Rule 19.15.15.13 NMAC.

(10) The plan contained within the Tomahawk WC Federal Exploratory Unit Agreement for the development and operation of the Unit is hereby approved in principle; provided, however, notwithstanding any of the provisions contained in the Unit Agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation that is now, or may hereafter be, vested in the Division to supervise and control operations for the unit and production of oil and gas therefrom.

(11) All future annual Plans of Development submitted and approved by the BLM for the Unit shall be submitted annually to the OCD for review.

(12) The Unit operator shall file with the OCD an executed original or executed counterpart of the Unit Agreement within sixty (60) days of the date of final approval of the Unit by the BLM. In the event of subsequent joinder by any other party, or expansion or contraction of the Unit, the Unit operator shall file with the OCD, within sixty (60) days thereafter, counterparts of the Unit Agreement reflecting subscription of those interests having joined or ratified.

Case No. 20659  
Order No. R-21254  
Page 7 of 7

(13) Jurisdiction of this case is retained for entry of such further orders as the OCD may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



ADRIENNE SANDOVAL  
Director

AS/KAM

Cc: NM State Lands Office

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY														
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X Sarah O'Shaughnessy</b></p> <p>B. Received by (Printed Name) Sarah O'Shaughnessy</p> <p>C. Date of Delivery</p>														
<p><b>Mccombs Energy LLC</b> 755 E. Mulberry Ave San Antonio, TX 78242</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>														
 9590 9402 3634 7305 8201 35	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Restricted Delivery</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Restricted Delivery	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
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<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery														
<input type="checkbox"/> Restricted Delivery															
<p>2. Article Number (Transfer from service label)</p> <p>7017 3040 0000 1206 4340</p>	<p>Domestic Return Receipt</p>														

PS Form 3811, July 2015 PSN 7530-02-000-9053

**Tomahawk Fed Unit 701H-718H OLM**

Date Sent	Initials	Name	Address	City	State	ZipCode	Certified Return Receipt No.	Delivered
02.11.21	JB	Norma Chanley	407 Arriba	Hobbs	NM	88240	7017 3040 0000 1206 4357	
02.11.21	JB	Featherstone Development Corporation	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 1206 4364	
02.11.21	JB	Big Three Energy Group	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 1206 4371	
02.11.21	JB	Prospector LLC	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 1206 4388	
02.11.21	JB	Parrot Head Properties, LLC	P.O. Box 429	Roswell	NM	88202	7017 3040 0000 1206 4395	
02.11.21	JB	McCombs Energy LLC	755 E. Mulberry Avenue	San Antonio	TX	78212	7017 3040 0000 1206 4340	
02.11.21	JB	Roy G. Barton III	1919 N. Turner Street	Hobbs	NM	88240	7017 3040 0000 1206 4401	
02.11.21	JB	Roy G. Barton Jr.	1919 N. Turner Street	Hobbs	NM	88240	7017 3040 0000 1206 4432	
02.11.21	JB	Brett C. Barton	1919 N. Turner Street	Hobbs	NM	88240	7017 3040 0000 1206 4425	
02.11.21	JB	Heidi C. Barton	2008 N. Vega	Hobbs	NM	88240	7017 3040 0000 1206 4418	
02.11.21	JB	BLM	620 E. Green Street	Carlsbad	NM	88220	7017 3040 0000 1206 4333	

**From:** [McClure, Dean, EMNRD](#)  
**To:** [Jeanette Barron](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Simmons, Kurt, EMNRD](#); [Bratcher, Mike, EMNRD](#); [Powell, Brandon, EMNRD](#); [lisa@rwbyram.com](#); [Glover, James](#); [kparadis@blm.gov](#); [Walls, Christopher](#); [Holm, Anchor E.](#); [Walls, Christopher](#)  
**Subject:** Approved Administrative Order OLM-233  
**Date:** Friday, April 16, 2021 4:27:20 PM  
**Attachments:** [OLM233 Order.pdf](#)

NMOCD has issued Administrative Order OLM-233 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
30-015-47439	Tomahawk Federal Unit #701H	P-20-24S-28E	98220
30-015-47442	Tomahawk Federal Unit #702H	P-20-24S-28E	98220
30-015-47307	Tomahawk Federal Unit #703H	N-20-24S-28E	98220
30-015-47308	Tomahawk Federal Unit #704H	N-20-24S-28E	98220
30-015-47309	Tomahawk Federal Unit #705H	N-20-24S-28E	98220
30-015-47585	Tomahawk Federal Unit #706H	O-19-24S-28E	98220
30-015-47586	Tomahawk Federal Unit #707H	O-19-24S-28E	98220
30-015-47584	Tomahawk Federal Unit #708H	O-19-24S-28E	98220
30-015-47352	Tomahawk Federal Unit #709H	A-29-24S-28E	98220
30-015-47444	Tomahawk Federal Unit #710H	A-29-24S-28E	98220
30-015-47321	Tomahawk Federal Unit #711H	C-29-24S-28E	98220
30-015-47336	Tomahawk Federal Unit #712H	C-29-24S-28E	98220
30-015-47320	Tomahawk Federal Unit #713H	C-29-24S-28E	98220
30-015-47500	Tomahawk Federal Unit #714H	A-30-24S-28E	98220
30-015-47501	Tomahawk Federal Unit #715H	A-30-24S-28E	98220
30-015-47502	Tomahawk Federal Unit #716H	A-30-24S-28E	98220
30-015-47503	Tomahawk Federal Unit #717H	C-30-24S-28E	98220
30-015-47504	Tomahawk Federal Unit #718H	C-30-24S-28E	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

**Notice**

Order: OLM-233

Operator: COG Operating, LLC (229137)

Publication Date:

Date Sent: 2/11/2021

**Noticed Persons**

Date	Person	Certified Tracking Number	Status
2/12/2021	Norma Chanley	7017 3040 0000 1206 4357	Delivered
2/16/2021	Featherstone Development Corporation	7017 3040 0000 1206 4364	Delivered
2/16/2021	Big Three Energy Group	7017 3040 0000 1206 4371	Delivered
2/16/2021	Prospector LLC	7017 3040 0000 1206 4388	Delivered
2/16/2021	Parrot Head Properties, LLC	7017 3040 0000 1206 4395	Delivered
2/17/2021	McCombs Energy UC	7017 3040 0000 1206 4340	Delivered
2/12/2021	Roy G. Barton III	7017 3040 0000 1206 4401	Delivered
2/12/2021	Roy G. Barton Jr.	7017 3040 0000 1206 4432	Delivered
2/12/2021	Brett C. Barton	7017 3040 0000 1206 4425	Delivered
2/12/2021	Heidi C. Barton	7017 3040 0000 1206 4418	Delivered
2/12/2021	BLM	7017 3040 0000 1206 4333	Delivered

**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-233**

**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.
4. Applicant was authorized by Order R-21254 to surface commingle oil production from the pools, leases, and wells identified in Exhibit A.

**CONCLUSIONS OF LAW**

5. 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.
6. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9(A)(5) NMAC.
7. 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, except as otherwise provided in order(s) issued by OCD.

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:** 4/16/2021

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: OLM-233

Operator: COG Operating, LLC (229137)

Central Tank Battery: Tomahawk Fed 30 B Central Tank Battery

Central Tank Battery Location (NMPM): Unit B, Section 30, Township 24 South, Range 28 East

Central Tank Battery: Tomahawk Fed 30 O Central Tank Battery

Central Tank Battery Location (NMPM): Unit O, Section 20, Township 24 South, Range 28 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)	
Surface Commingling R-21254	All	Sec 17-T24S-R28E
	All	Sec 18-T24S-R28E
	E/2	Sec 19-T24S-R28E
	All	Sec 20-T24S-R28E
	All	Sec 29-T24S-R28E
	All	Sec 30-T24S-R28E
	All	Sec 31-T24S-R28E
	All	Sec 32-T24S-R28E

### Wells

Well API	Well Name	Location (NMPM)	Pool Code	Train
30-015-47439	Tomahawk Federal Unit #701H	P-20-24S-28E	98220	
30-015-47442	Tomahawk Federal Unit #702H	P-20-24S-28E	98220	
30-015-47307	Tomahawk Federal Unit #703H	N-20-24S-28E	98220	
30-015-47308	Tomahawk Federal Unit #704H	N-20-24S-28E	98220	
30-015-47309	Tomahawk Federal Unit #705H	N-20-24S-28E	98220	
30-015-47585	Tomahawk Federal Unit #706H	O-19-24S-28E	98220	
30-015-47586	Tomahawk Federal Unit #707H	O-19-24S-28E	98220	
30-015-47584	Tomahawk Federal Unit #708H	O-19-24S-28E	98220	
30-015-47352	Tomahawk Federal Unit #709H	A-29-24S-28E	98220	
30-015-47444	Tomahawk Federal Unit #710H	A-29-24S-28E	98220	
30-015-47321	Tomahawk Federal Unit #711H	C-29-24S-28E	98220	
30-015-47336	Tomahawk Federal Unit #712H	C-29-24S-28E	98220	
30-015-47320	Tomahawk Federal Unit #713H	C-29-24S-28E	98220	
30-015-47500	Tomahawk Federal Unit #714H	A-30-24S-28E	98220	
30-015-47501	Tomahawk Federal Unit #715H	A-30-24S-28E	98220	
30-015-47502	Tomahawk Federal Unit #716H	A-30-24S-28E	98220	
30-015-47503	Tomahawk Federal Unit #717H	C-30-24S-28E	98220	
30-015-47504	Tomahawk Federal Unit #718H	C-30-24S-28E	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 17863

**CONDITIONS OF APPROVAL**

Operator:	COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	OGRID:	229137	Action Number:	17863	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.