



January 11, 2021

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

Re: Application for Administrative Approval of Pool Commingle and Off Lease Measurement

Dear Mr. McClure,

COG Operating LLC respectfully requests approval for pool commingling and Off Lease Measurement for the following wells:

Pitchblend 19 30 Federal 37H
API# 30-025-45652
Dogie Draw; Delaware
Ut. B, Sec. 19-T25S-R35E
Lea County, NM

Pitchblend 19 30 Federal 38H
API# 30-025-45653
Fairview Mills; Bone Spring
Ut. A, Sec. 19-T25S-R35E
Lea County, NM

Pitchblend 19 30 Federal 208H
API# 30-025-45656
Dogie Draw; Delaware
Ut. A, Sec. 19-T25S-R35E
Lea County, NM

Pitchblend 19 30 Federal 358H
API# 30-025-45658
Fairview Mills; Bone Spring
Ut. A, Sec. 19-T25S-R35E
Lea County, NM

Pitchblend 19 30 Federal 457H
API# 30-025-45662
Dogie Draw; Delaware
Ut. B, Sec. 19-T25S-R35E
Lea County, NM

Pitchblend 19 30 Federal 607H
API# 30-025-45667
Fairview Mills; Bone Spring
Ut. B, Sec. 19-T25S-R35E
Lea County, NM

Oil Production:

The oil production from all wells will be measured separately on-lease by allocation meter prior to being commingled at the heater treaters at the Central Tank Battery located in lease in Ut. A, Sec 19-T25S-R35E. In addition to the on-lease measurement, the oil production from these wells may also 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. In this case the oil will remain segregated and will be measured by lact meter when offloading at said stations.

CORPORATE ADDRESS

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

ARTESIA WEST OFFICE

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



Gas Production:

The gas production from all wells will be measured separately on-lease by allocation meter prior to being commingled and entering a gas flow line to the gas custody transfer meter at the Central Tank Battery located in Ut. A, Sec. 19-T25S-R35E. The ETC gas sales meter # 99013.

All owners are identical. As defined in NMAC 19.15.12.7.B, identical ownership means leases or pools have the same working, royalty and overriding royalty owners in the same percentages. Please see letter from OCD landman.

Please see the enclosed Administrative Application Checklist, C-107B Application for pool commingling, plats for referenced wells, site facility diagram, maps with lease boundaries showing wells and facility locations.

Thank you for your attention to this matter.

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

ARTESIA WEST OFFICE

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

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

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: COG Operating, LLC **OGRID Number:** 229137
Well Name: Pitchblend 19 30 Federal 37H and five other wells (see attached) **API:** 30-025-45652
Pool: Dogie Draw; Delaware, Fairview Hills; Bone Spring & Dogie Draw; Wolfcamp **Pool Code:** 97779/ 96340/17980

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

- 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

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

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

1/11/21
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
97779 Doggie Draw; Delaware	43.37/1368	42.7/1376			
96340 Fairview Mills; Bone Spring	42.03/1382				

(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: _____ TITLE: Regulatory Technician II DATE: 1/11/21

TYPE OR PRINT NAME Jeanette Barron TELEPHONE NO.: 575.748.6974

E-MAIL ADDRESS: jbarron@concho.com

DISTRICT I
1685 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) 748-8720

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
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45652	Pool Code 97779	Pool Name Dogie Draw; Delaware
Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 37H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3336.8'

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	19	25-S	35-E		250	NORTH	2035	EAST	LEA

Bottom Hole Location If Different From Surface

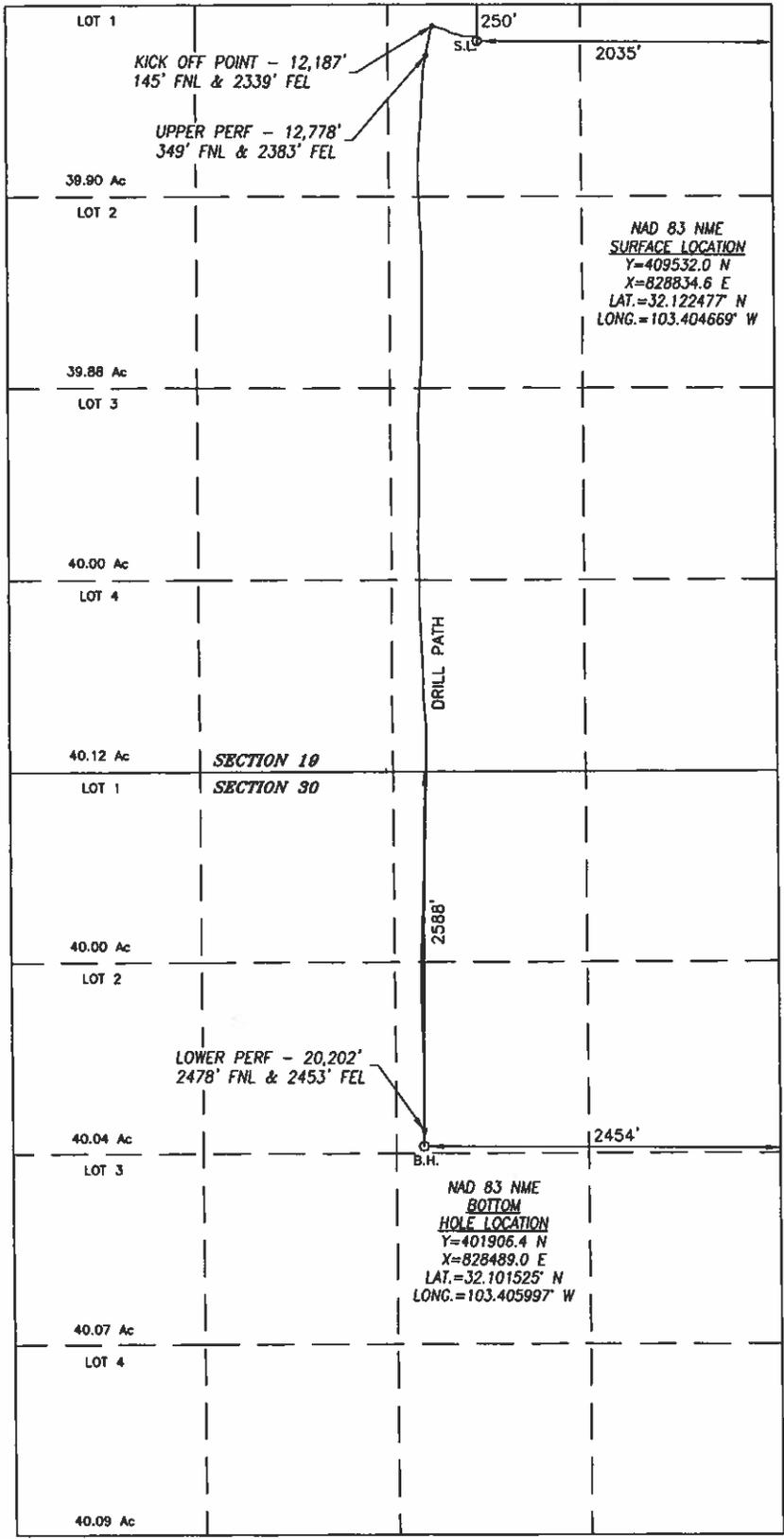
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	25-S	35-E		2588	NORTH	2454	EAST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
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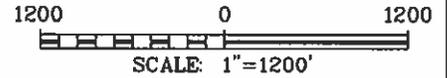
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 37H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3336.8'



SURFACE INFO AND BOREPATH SHOWN HERSON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE PITCHBLENDE FEDERAL 19-30 #37H SUPPLIED TO HARCROW SURVEYING, LLC ON OCTOBER 22, 2020



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 1/11/21
Signature Date

Jeanette Barron
Printed Name

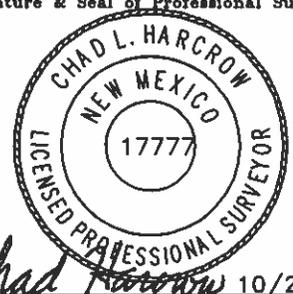
jbarron@concho.com
E-mail Address

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.

DEC. 5, 2019/FEB. 10, 2020
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 10/26/20
Certificate No. CHAD HARCROW 17777

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 383-8181 Fax: (575) 383-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1883 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
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District Office

AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45653	Pool Code 96340	Pool Name Fairview Mills; Bone Spring
Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 38H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3329.9'

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	19	25-S	35-E		450	NORTH	710	EAST	LEA

Bottom Hole Location If Different From Surface

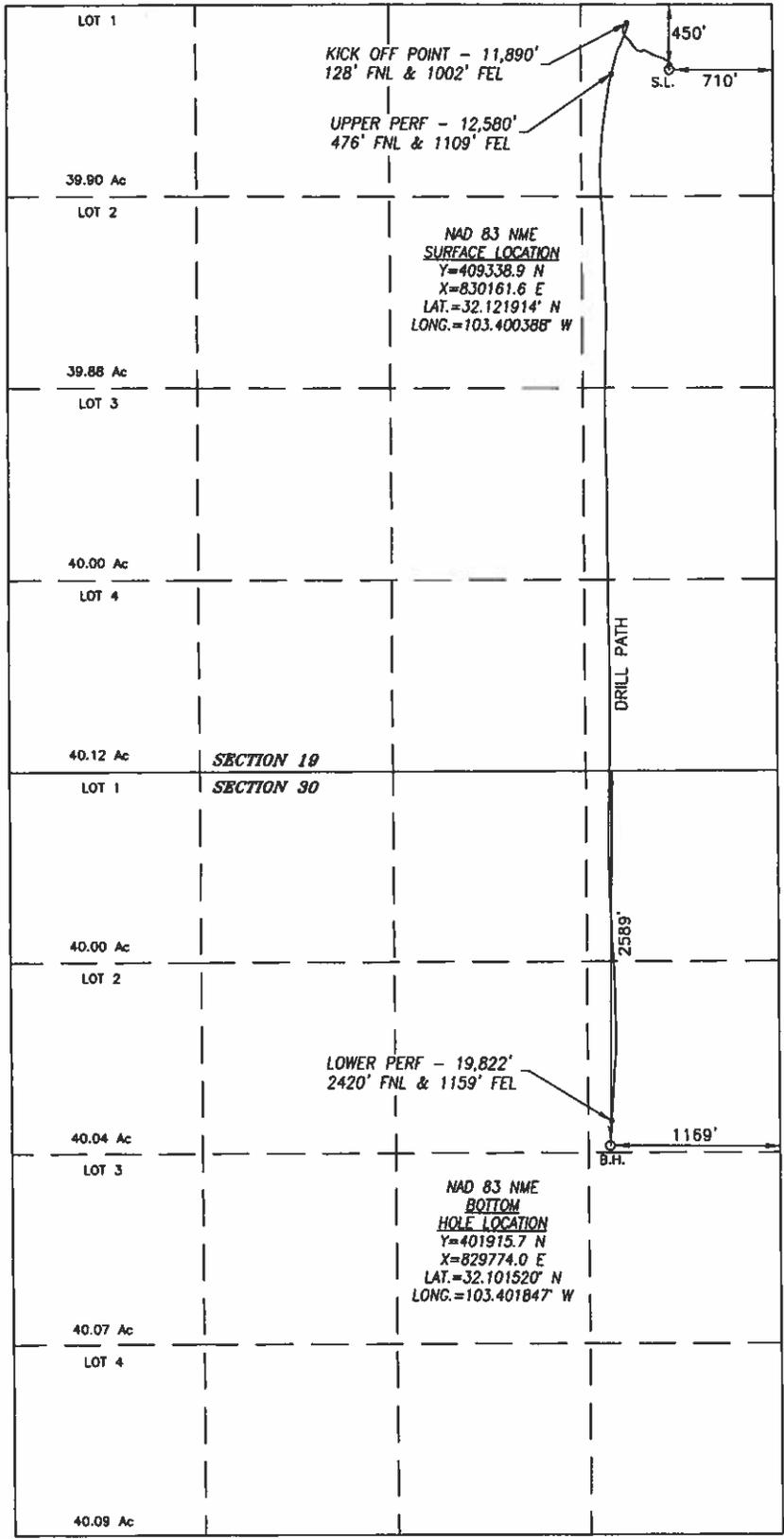
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	30	25-S	35		2589	NORTH	1169	EAST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
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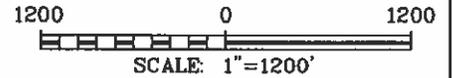
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 38H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3329.9'



SURFACE INFO AND BOREPATH SHOWN HERSON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE PITCHBLENDE FEDERAL 19-30 #38H SUPPLIED TO HARCROW SURVEYING, LLC ON OCTOBER 7, 2020



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.

Jeannette Barron 1/11/21
Signature Date

Jeannette Barron
Printed Name

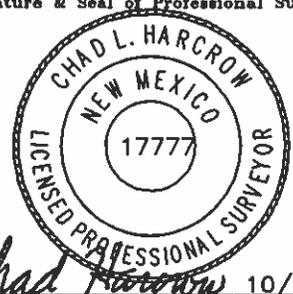
jbarron@concho.com
E-mail Address

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.

DEC. 5, 2019/FEB. 11, 2020
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 10/8/20
Certificate No. CHAD HARCROW 17777

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8161 Fax: (575) 393-0720

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

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 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
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AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45656	Pool Code 97779	Pool Name Doggie Draw; Delaware
Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 208H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3331.0'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	25-S	35-E		450	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

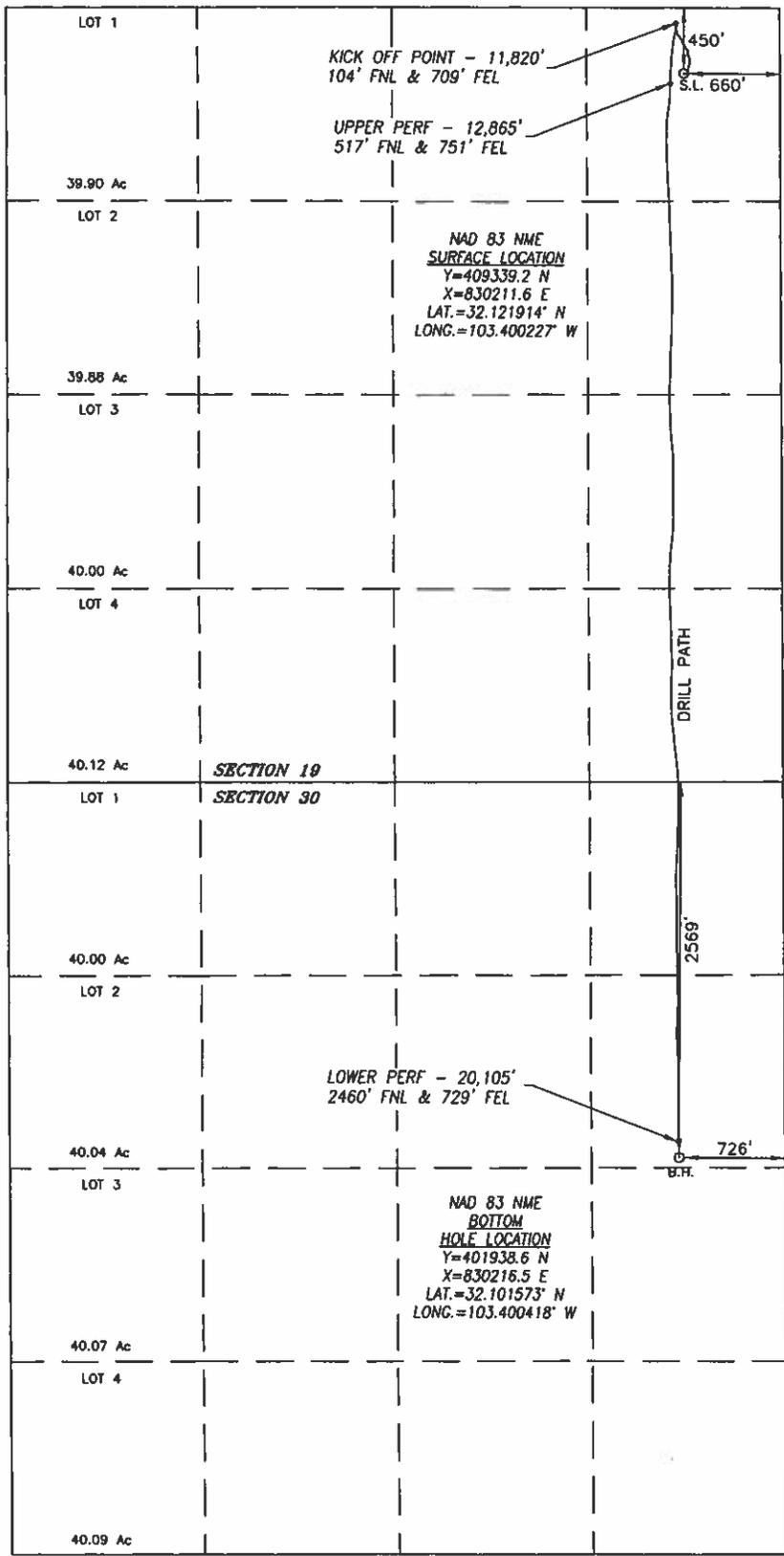
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	30	25-S	35		2569	NORTH	726	EAST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
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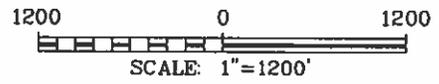
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 208H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3331.0'



SURFACE INFO AND BOREPATH SHOWN HERSON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE PITCHBLENDE FEDERAL 19-30 #208H SUPPLIED TO HARCROW SURVEYING, LLC ON OCTOBER 7, 2020



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.

Jeannette Barron 1/11/21
Signature Date

Jeannette Barron
Printed Name

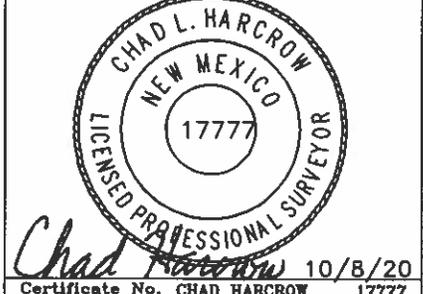
jbarron@concho.com
E-mail Address

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.

DEC. 5, 2019/FEB. 27, 2020
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 303-6151 Fax: (575) 303-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1303 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) 476-3460 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
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AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45658	Pool Code 96340	Pool Name Fairview Mills; Bone Spring
Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 358H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3330.4'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	25-S	35-E		450	NORTH	610	EAST	LEA

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
H	30	25-S	35		2590	NORTH	341	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

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

SEE PAGE 2

	PAGE 1 OF 2
W.O. #20-1339	DRAWN BY: WN

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

DISTRICT II
 811 S. FIRST ST., ARTESIA, NM 88210
 Phone: (575) 746-1263 Fax: (575) 746-8720

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

DISTRICT IV
 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3468

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
 As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45662	Pool Code 97779	Pool Name Doggie Draw; Delaware
Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	
OGRID No. 229137	Operator Name COG OPERATING, LLC	
		Well Number 457H
		Elevation 3337.7'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	25-S	35-E		250	NORTH	1955	EAST	LEA

Bottom Hole Location If Different From Surface

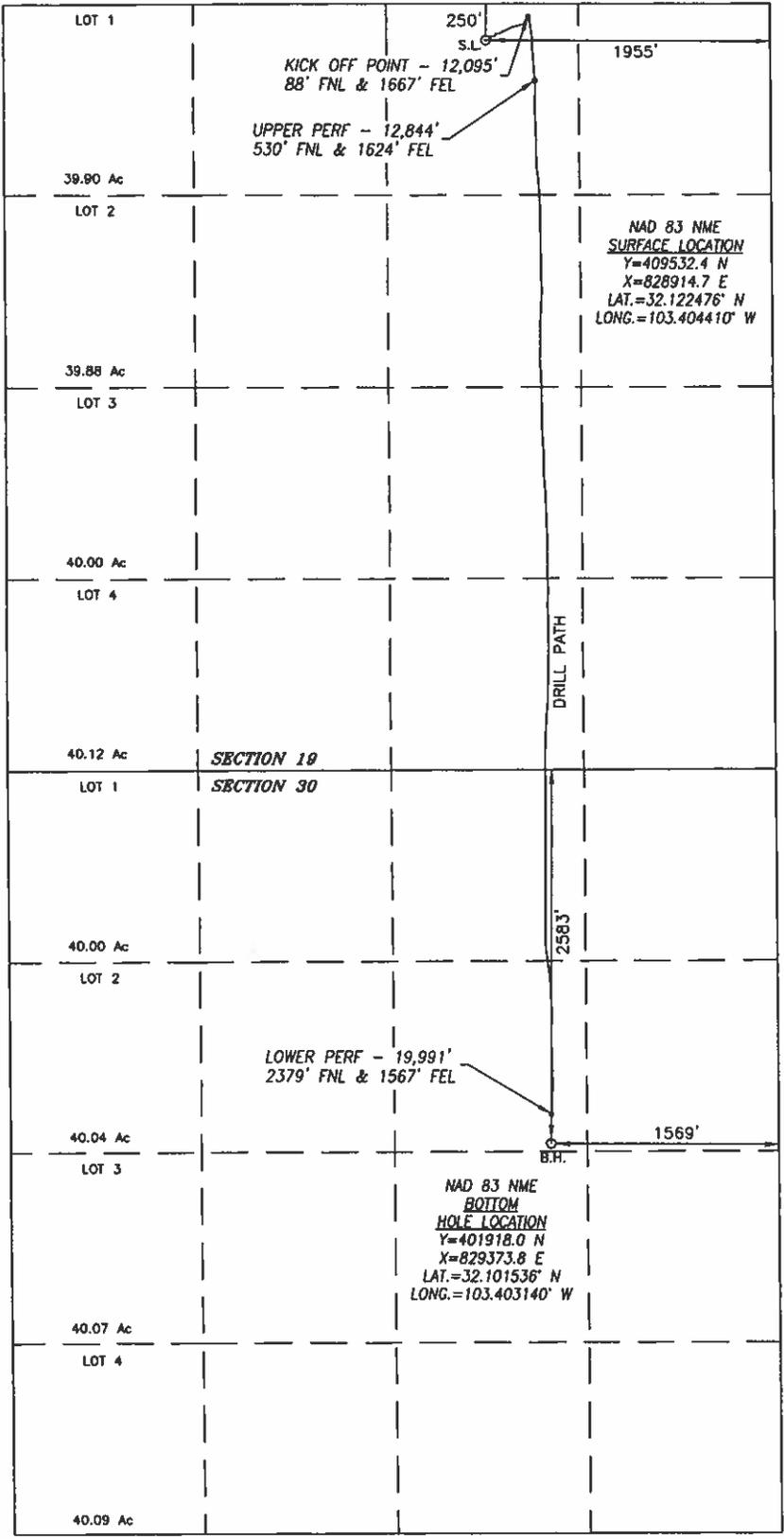
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	25-S	35-E		2583	NORTH	1569	EAST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
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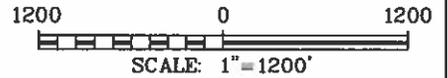
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 457H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3337.7'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE PITCHBLENDE FEDERAL 19-30 #457H SUPPLIED TO HARCROW SURVEYING, LLC ON OCTOBER 22, 2020



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 1/11/21
 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.
 DEC. 5, 2019/MAR. 30, 2020
 Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

Chad Harcrow 10/26/20
 Certificate No. CHAD HARCROW 17777

DISTRICT I
1889 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6141 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-8720

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) 476-3468

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

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45667	Pool Code 96340	Pool Name Fairview Mills; Bone Spring
Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 607H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3336.2'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	25-S	35-E		250	NORTH	1955	EAST	LEA

Bottom Hole Location If Different From Surface

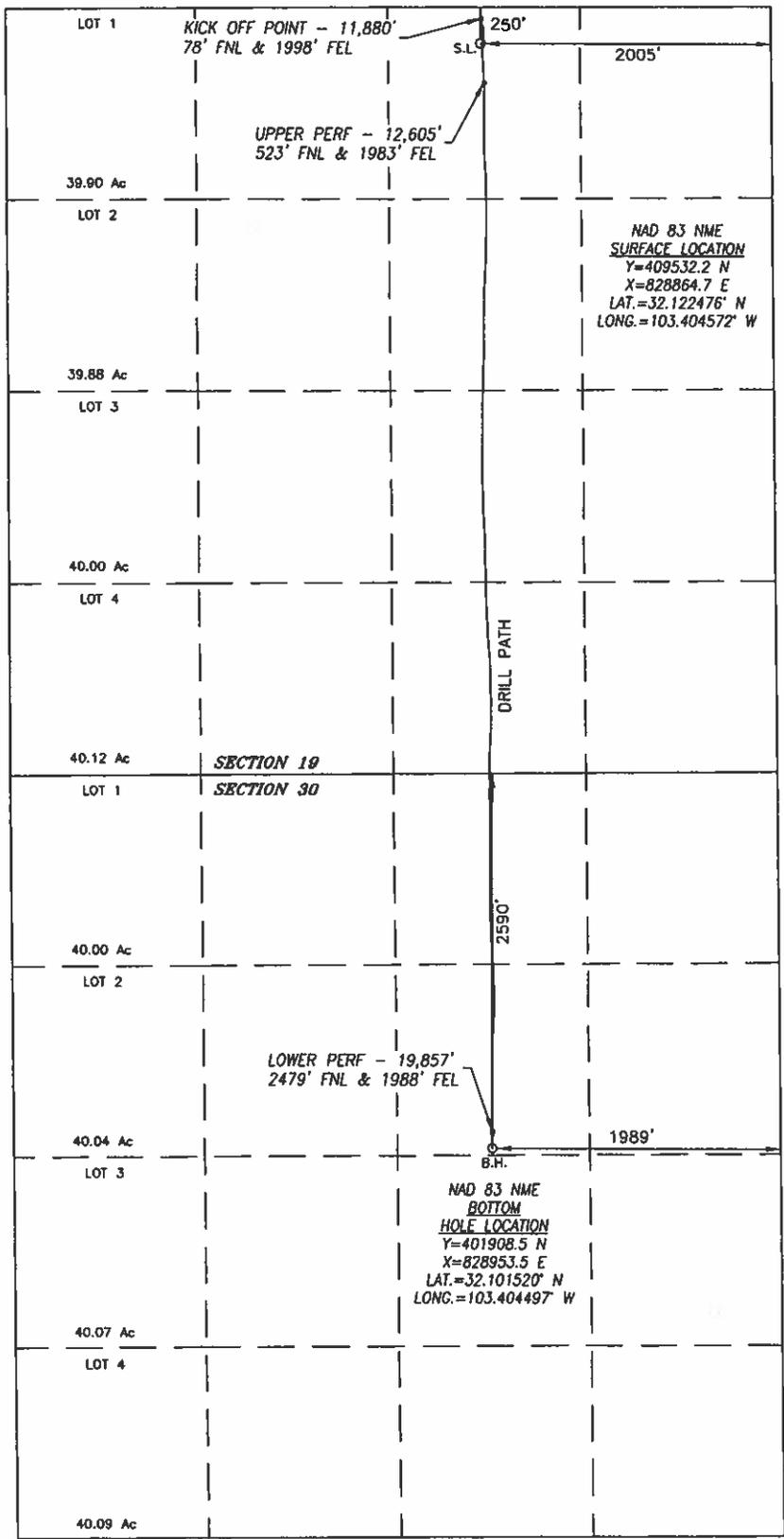
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	25-S	35-E		2590	NORTH	1989	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

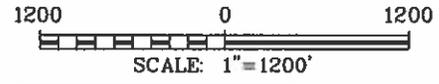
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 326533	Property Name PITCHBLENDE FEDERAL 19-30	Well Number 607H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3336.2'



SURFACE INFO AND BOREPATH SHOWN HERSON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE PITCHBLENDE FEDERAL 19-30 #607H SUPPLIED TO HARCROW SURVEYING, LLC ON OCTOBER 22, 2020



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 1/11/21
Signature Date

Jeanette Barron
Printed Name

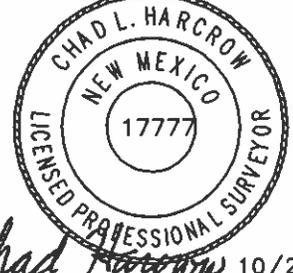
jbarron@concho.com
E-mail Address

SURVEYOR CERTIFICATION

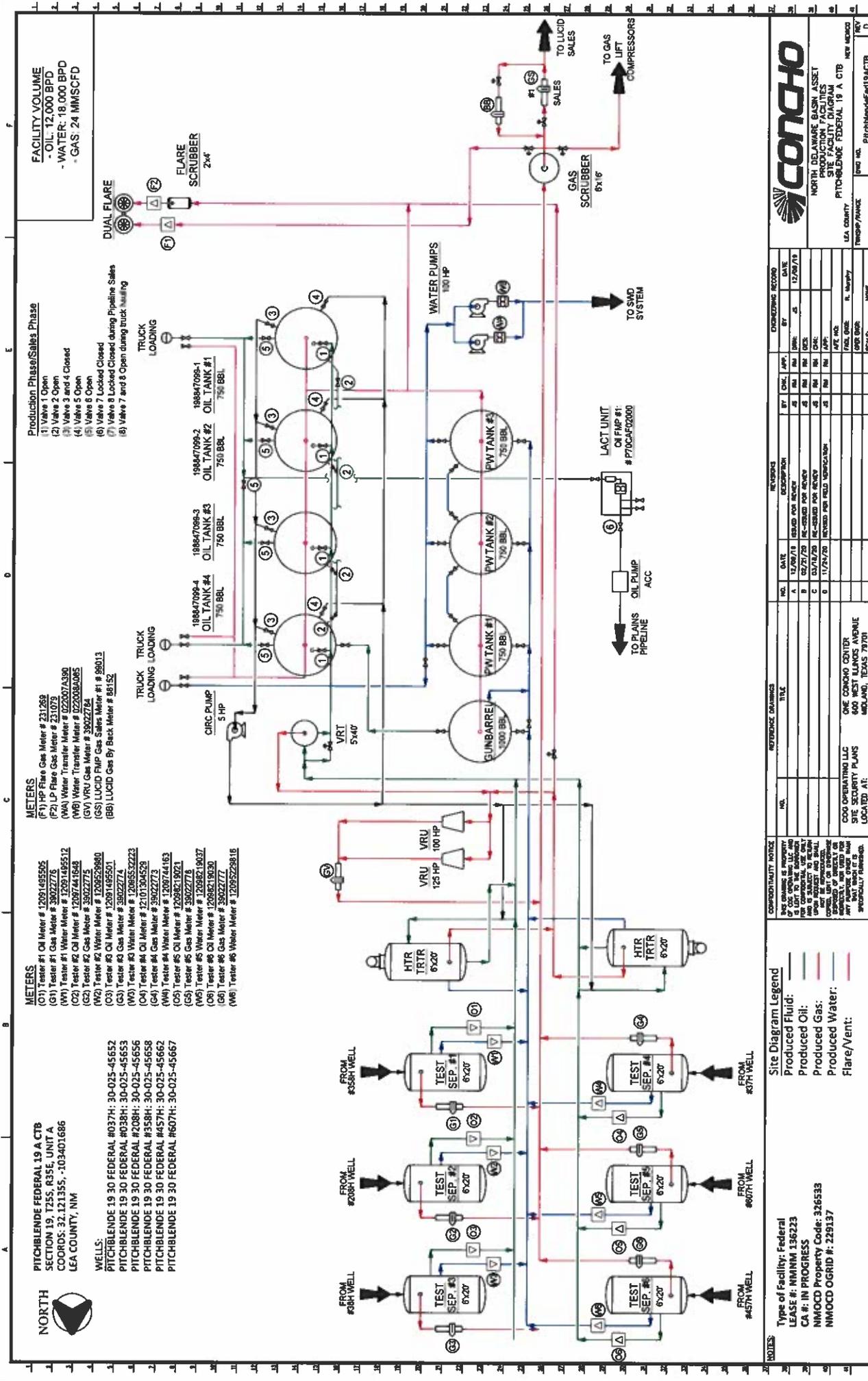
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DEC. 5, 2019/MAR. 5, 2020
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 10/26/20
Certificate No. CHAD HARCROW 17777



FACILITY VOLUME
 - OIL: 12,000 BPD
 - WATER: 18,000 BPD
 - GAS: 24 MMSCFD

Production Phase/Sales Phase
 (1) Valve 1 Open
 (2) Valve 2 Open
 (3) Valve 3 and 4 Closed
 (4) Valve 5 Open
 (5) Valve 6 Open
 (6) Valve 7 Locked Closed
 (7) Valve 8 Locked Closed during Pipeline Sales
 (8) Valve 7 and 8 Open during truck unloading

METERS
 (F1) HP Phase Gas Meter # 231283
 (F2) LP Phase Gas Meter # 231075
 (W4) Water Transfer Meter # 0220074390
 (W6) Water Transfer Meter # 0220090085
 (GV) VRU Gas Meter # 39022782
 (GS) LUCID FMP Gas Sales Meter # 98013
 (BB) LUCID Gas By Back Meter # 88152

METERS
 (O1) Tester #1 Oil Meter # 1209149526
 (O1) Tester #1 Gas Meter # 39022776
 (W1) Tester #1 Water Meter # 1209149512
 (C2) Tester #2 Oil Meter # 120917410548
 (C2) Tester #2 Gas Meter # 39022775
 (W2) Tester #2 Water Meter # 1209292860
 (C3) Tester #3 Oil Meter # 1209149501
 (C3) Tester #3 Gas Meter # 39022774
 (W3) Tester #3 Water Meter # 1209552223
 (O4) Tester #4 Oil Meter # 12101304529
 (C4) Tester #4 Gas Meter # 39022773
 (W4) Tester #4 Water Meter # 1209744163
 (O5) Tester #5 Oil Meter # 12096218021
 (C5) Tester #5 Gas Meter # 39022778
 (W5) Tester #5 Water Meter # 12096218037
 (O6) Tester #6 Oil Meter # 12096218030
 (C6) Tester #6 Gas Meter # 39022777
 (W6) Tester #6 Water Meter # 1209522816

PITCHBLLENDE FEDERAL 19 A CTB
 SECTION 19, T25S, R35E, UNIT A
 COORDS: 32.121355, -103.401686
 LEA COUNTY, NM

WELLS:
 PITCHBLLENDE 19 30 FEDERAL #037H: 30-025-45652
 PITCHBLLENDE 19 30 FEDERAL #038H: 30-025-45653
 PITCHBLLENDE 19 30 FEDERAL #208H: 30-025-45656
 PITCHBLLENDE 19 30 FEDERAL #358H: 30-025-45658
 PITCHBLLENDE 19 30 FEDERAL #457H: 30-025-45662
 PITCHBLLENDE 19 30 FEDERAL #607H: 30-025-45667

CONCHO
 NORTH DELAWARE BASIN ASSET
 PRODUCTION FACILITIES
 SITE FACILITY DIAGRAM
 PITCHBLLENDE FEDERAL 19 A CTB
 LEA COUNTY, NM
 TRUSS/PAVANE
 PITCHBLLENDE FEDERAL 19 A CTB
 NEW MEXICO
 REV D

CHANGING RECORD

NO.	DATE	BY	CHK.	APP.
A	12/02/18	REVISION FOR R4000	RM	RM
B	02/27/20	REVISION FOR R4000	RM	RM
C	03/16/20	REVISION FOR R4000	RM	RM
D	11/24/20	REVISION FOR FIELD MODIFICATION	RM	RM

REFERENCE DRAWINGS

NO.	DATE	REVISION	DESCRIPTION
A	12/02/18	REVISION FOR R4000	REVISION FOR R4000
B	02/27/20	REVISION FOR R4000	REVISION FOR R4000
C	03/16/20	REVISION FOR R4000	REVISION FOR R4000
D	11/24/20	REVISION FOR FIELD MODIFICATION	REVISION FOR FIELD MODIFICATION

COMPANILITY NOTICE
 THE OWNERS OF THIS FACILITY ARE CONCHO OPERATING LLC AND CONCHO ENERGY SERVICES LLC. THE FACILITY IS OPERATED BY CONCHO ENERGY SERVICES LLC. THE FACILITY IS NOT TO BE OPERATED BY ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF CONCHO ENERGY SERVICES LLC.

CONCHO OPERATING LLC
 600 WEST ILLINOIS AVENUE
 MIDLAND, TEXAS 79701

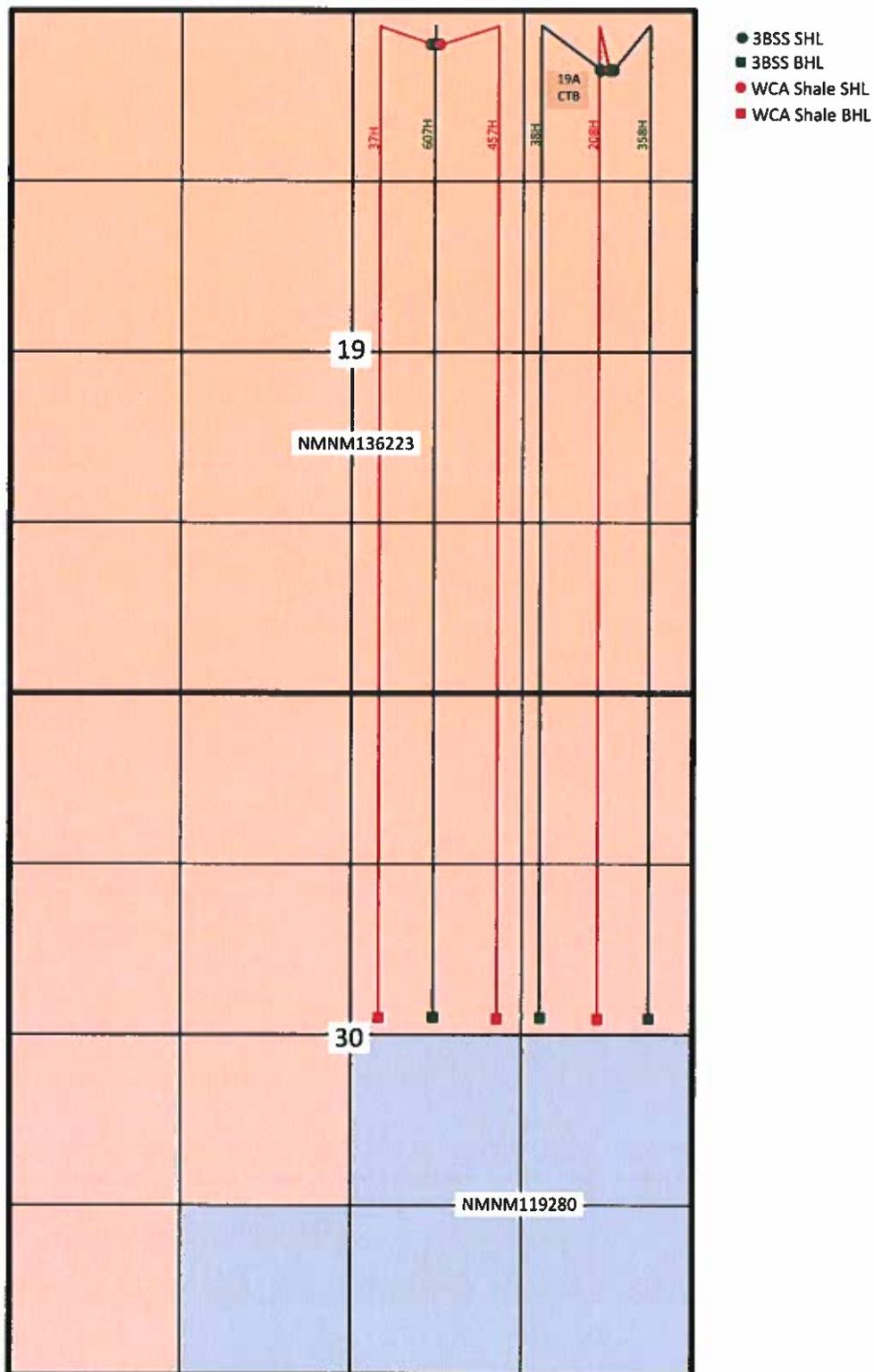
SITE SECURITY PLANS
 LOCATED AT:

Site Diagram Legend

- Produced Fluid: (Blue line)
- Produced Oil: (Red line)
- Produced Gas: (Green line)
- Produced Water: (Purple line)
- Flare/Vent: (Yellow line)

NOTES:
 Type of Facility: Federal
 LEASE #: NMNMA 136223
 CA #: IN PROGRESS
 NMOCD Property Code: 326533
 NMOCD OGRID #: 229137

Pitchblende Federal Wells



Sec. 19, 30-T25S-R35E
Lea County, NM



LEGEND WELL WELLPAD MULTI-USE	PITCHBLENDE 19 30 FEDERAL MULTI-USE CORRIDOR	
	SECTION: 19	TOWNSHIP: 25 S.
	STATE: NEW MEXICO	COUNTY: LEA
	W.O. # 19-2335	LEASE: PITCHBLENDE
PIPELINE OVERVIEW		IMAGERY
12 17 2019		W.N.

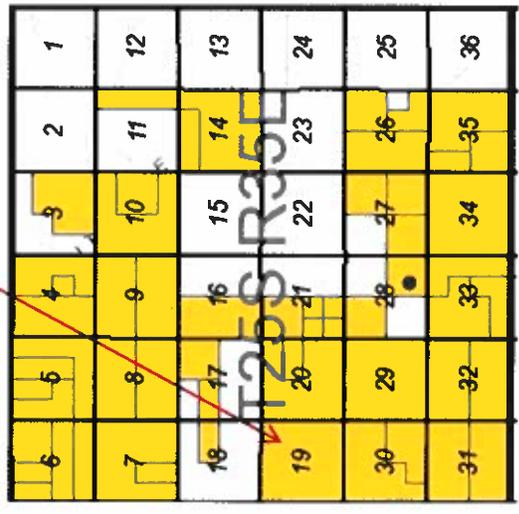
HARCROW SURVEYING, LLC.
 2316 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 746-2158
 c.harcrow@harcrowsurveying.com

Pitchblend 19 30 Fed 37H, 38H, 208H, 358H, 457H, 607H

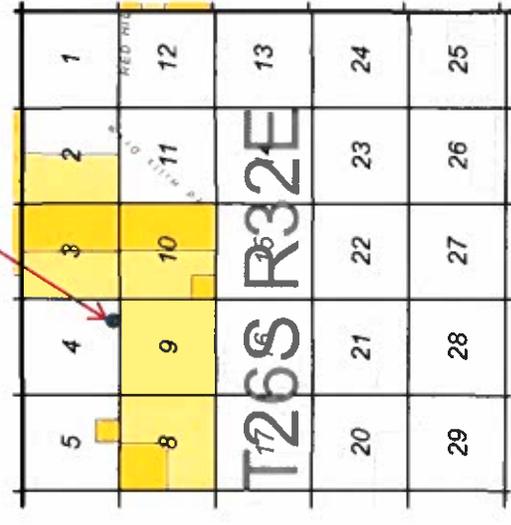
&

Red Hills and Jal Offload Station Map

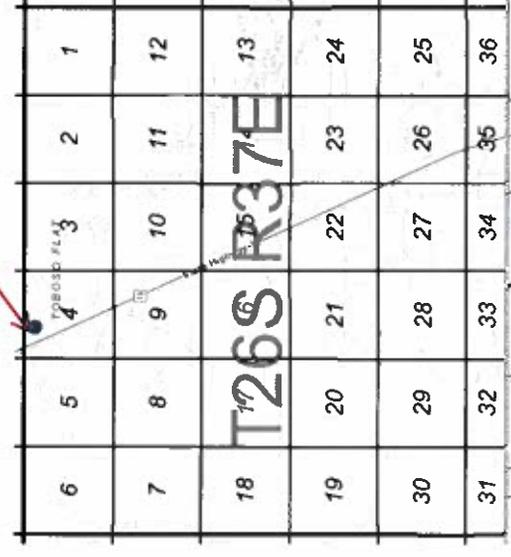
Pitchblend 19 30 Fed 37H, 38H,
208H, 358H, 457H, 607H
Lea County, NM



Red Hills Offload Station
Lea County, NM



Jal Offload Station
Lea County, NM





Grant Bohls
Landman
COG Operating LLC
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

12/1/2020

**New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505**

Main: 432-683-7443
Direct: 432-818-2379
Gbohls@concho.com

RE: Pitchblende 19-30 Fed 37H, 38H, 208H, 358H, 457H, 607H

To whom it concerns:

I am the landman at Concho Resources LLC whose area of responsibility includes Sections 19 and 30 of Township 25 South, Range 35 East, Lea County, New Mexico.

The revenue owners are identical. As defined in NMAC 19.15.12.7.B, identical ownership means leases or pools have the same working, royalty and overriding royalty owners in exactly the same percentages.

Respectfully,

Grant Bohls
Landman

January 11, 2021

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

Re: Application for Administrative Approval of Pool Commingle and Off Lease Measurement

Dear Mr. McClure,

COG Operating LLC respectfully requests approval for pool commingling and Off Lease Measurement for the following wells:

Pitchblende 19 30 Federal 37H
API# 30-025-45652
Dogie Draw; Delaware
Ut. B, Sec. 19-T25S-R35E
Lea County, NM

Pitchblende 19 30 Federal 38H
API# 30-025-45653
Fairview Mills; Bone Spring
Ut. A, Sec. 19-T25S-R35E
Lea County, NM

Pitchblende 19 30 Federal 208H
API# 30-025-45656
Dogie Draw; Delaware
Ut. A, Sec. 19-T25S-R35E
Lea County, NM

Pitchblende 19 30 Federal 358H
API# 30-025-45658
Fairview Mills; Bone Spring
Ut. A, Sec. 19-T25S-R35E
Lea County, NM

Pitchblende 19 30 Federal 457H
API# 30-025-45662
Dogie Draw; Delaware
Ut. B, Sec. 19-T25S-R35E
Lea County, NM

Pitchblende 19 30 Federal 607H
API# 30-025-45667
Fairview Mills; Bone Spring
Ut. B, Sec. 19-T25S-R35E
Lea County, NM

Oil Production:

The oil production from all wells will be measured separately on-lease by allocation meter prior to being commingled at the heater treaters at the Central Tank Battery located in lease in Ut. A, Sec 19-T25S-R35E. In addition to the on-lease measurement, the oil production from these wells may also 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. In this case the oil will remain segregated and will be measured by lact meter when offloading at said stations.

Gas Production:

The gas production from all wells will be measured separately on-lease by allocation meter prior to being commingled and entering a gas flow line to the gas custody transfer meter at the Central Tank Battery located in Ut. A, Sec. 19-T25S-R35E. The ETC gas sales meter # 99013.

All owners are identical. As defined in NMAC 19.15.12.7.B, identical ownership means leases or pools have the same working, royalty and overriding royalty owners in the same percentages. Please see letter from OCD landman.

Please see the enclosed Administrative Application Checklist, C-107B Application for pool commingling, plats for referenced wells, site facility diagram, maps with lease boundaries showing wells and facility locations.

Thank you for your attention to this matter.

Sincerely,

Jeanette Barron
Regulatory Technician II

Pitchblende 19 30 Fed 37H, 38H, 208H, 358H, 457H, 607H PC

Date Sent	Initials	Name	Address	City	State	ZipCode	Certified Return Receipt No.	Delivered
01.14.21	JB	BIM	414 West Taylor	Hobbs	NM	88240	7017 3040 0000 1206 4692	

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
Operator Copy

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM136223

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
PITCHBLENDE FED 19-30 037H

9. API Well No.
30-025-45652-00-X1

10. Field and Pool or Exploratory Area
WILDCAT;WOLFCAMP

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
COG OPERATING LLC
Contact: MAYTE X REYES
E-Mail: mreyes1@concho.com

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)
Ph: 575-748-6945

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 19 T25S R35E 250FNL 2035FEL
32.121925 N Lat, 103.404648 W Lon

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

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

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

COG Operating respectfully requests approval for the following changes to the originally approved APD.

Casing Changes:
See attached.

Formation Change:
From: Doggie Draw; Delaware 97779
To: Wildcat; Wolfcamp
C102 attached.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #499094 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 01/15/2020 (20PP0964SE)**

Name (Printed/Typed) MAYTE X REYES	Title SENIOR REGULATORY ANALYST
Signature (Electronic Submission)	Date 01/14/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>DYLAN ROSSMANGO</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>02/20/2020</u>
------------------------------------	---------------------------------	------------------------

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

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

(Instructions on page 2) **** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

DISTRICT I
1825 N. FRENCH DR., HOHES, NM 88240
Phone: (575) 595-6181 Fax: (575) 595-0720

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) 476-3480 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 30-025-45652	Pool Code	Pool Name WILDCAT; WOLFCAMP
Property Code	Property Name PITCHBLEND FEDERAL 19-30	Well Number 37H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3336.8'

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	19	25-S	35-E		250	NORTH	2035	EAST	LEA

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
G	30	25-S	35-E		2590	NORTH	2430	EAST	LEA

Dedicated Acres 240	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

NMN136223

SECTION 19
SECTION 30

GRID AZ. - 179°27'03"
HORZ. DIST. - 7775.6'

2590'

2430'

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.

Mayte Reyes 1-9-2020
Signature Date

Mayte Reyes
Printed Name

mreyes1@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.

DECEMBER 5, 2019
Date of Survey

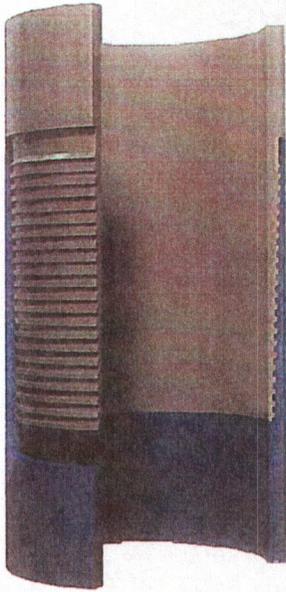
Signature & Seal of Professional Surveyor

Chad HARCROW 12/19/19
Certificate No. CHAD HARCROW 17777
W.O. # 19-2287 DRAWN BY: AH

POINT LEGEND

1	Y=409778.9 N
	X=828228.9 E
2	Y=409702.6 N
	X=830867.3 E
3	Y=404513.1 N
	X=830918.0 E
4	Y=399234.4 N
	X=830968.3 E
5	Y=399219.6 N
	X=828328.2 E

NAD 83 NME
PROPOSED BOTTOM HOLE LOCATION
Y=401904.7 N
X=828512.8 E
LAT.=32.101520' N
LONG.=103.405920' W



TEC-LOCK FJ

7.625" 29.7 LB/FT (.375" Wall)
P110 HC

Pipe Body Data

Nominal OD:	7.625	in
Nominal Wall:	0.375	in
Nominal Weight:	29.70	lb/ft
Plain End Weight:	29.22	lb/ft
Material Grade:	P110 HC	
Mill/Specification:	BORUSAN MANNESMANN	
Yield Strength:	110,000	psi
Tensile Strength:	125,000	psi
Nominal ID:	6.875	in
API Drift Diameter:	6.750	in
Special Drift Diameter:	NA	in
RBW:	87.5%	
Body Yield:	940,000	lbf
Burst:	9,460	psi
Collapse:	7,050	psi

Connection Data

Standard OD:	7.625	in
Pin Bored ID:	6.875	in
Critical Section Area:	6.299	in ²
Tensile Efficiency:	70.0%	
Compressive Efficiency:	61.9%	
Longitudinal Yield Strength:	658,000	lbf
Compressive Limit:	581,860	lbf
Internal Pressure Rating:	7,570	psi
External Pressure Rating:	7,050	psi
Maximum Bend:	26	°/100ft

Operational Data

Minimum Makeup Torque:	3,600	ft*lbf
Optimum Makeup Torque:	6,500	ft*lbf
Maximum Makeup Torque:	9,400	ft*lbf
Minimum Yield:	14,500	ft*lbf
Makeup Loss:	5.97	in

Notes Preliminary DataSheet
The Connection ratings are structural



Generated on Sep 05, 2019

Pitchblende Fed Com 19-30 37H

Casing and BOP

Interval	Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	BOP
		From	To					
Surface	14.5"	0	1028	10.75"	45.5	J55	BTC	
Intermediate	9.875"	0	8500	7.625"	29.7	L80 HC	BTC	5M
	8.75"	8300*	12100	7.625"	29.7	P-110 HC	Tech Lock Flush Joint	
Production	6.75"	0	11900	5.5"	23	P110	BTC	10M w/ 5M annular**
	6.75"	11900	20,298	5"	18	P110	BTC	

The Tech Lock Flush Joint by BTC cross over will be 200' above where the bit size changes from 9.875" to 8.75"

5M annular variance requested; 5M annular will be tested to 5000psi

Cement:

Surface

Lead: 300 sx 13.5#; 1.75 cuft/sx; 9.21 H2O Gal/sx; Class C + 4% Gel
 Tail: 300 sx 14.8#; 1.34 cuft/sx; 6.34 H2O Gal/sx; Class C + 2% CaCl2

Intermediate

Lead: 875 sx 10.3#; 3.6 cuft/sx; 21.87 H2O Gal/sx; NeoCem
 Tail: 150 sx 16.4#; 1.1 cuft/sx; 6.0 H2O Gal/sx; Class H

Production

Lead: 650 sx; 12.7#; 1.97 cuft/sx; 10.8 H2O Gal/sx; 35:65:6 H Blend
 Tail: 985 sx; 14.5#; 1.22 cuft.sx; 5.56 H2O Gal/sx; 50:50:2 H Blend

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM136223
WELL NAME & NO.:	Pitchblende Fed 19-30 37H
SURFACE HOLE FOOTAGE:	450' FNL & 2030' FEL
BOTTOM HOLE FOOTAGE:	2590' FNL & 2430' FEL
LOCATION:	Section 19, T 25S, R 35E, NMPM
COUNTY:	Lea County, New Mexico

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Variance	<input checked="" type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input checked="" type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

A. CASING

1. The **10-3/4"** surface casing shall be set at approximately **1028'** (a minimum of 25' into the Rustler Anhydrite and above the salt) and cemented to surface.
 - a. **If cement does not circulate to surface**, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of **6 hours** after pumping cement, ideally between 8-10 hours after.
 - b. WOC time for a primary cement job will be a minimum of **8 hours** or **500 psi** compressive strength, whichever is greater. This is to include the lead cement.
 - c. If cement falls back, remedial cementing will be done prior to drilling out the shoe.
 - d. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
2. The **7-5/8"** intermediate casing shall be cemented to surface.
 - a. **If cement does not circulate to surface**, see A.1.a, c & d.
 - b. This casing must be kept at least 1/3 full at all times in order to meet BLM collapse requirements.
3. The **5-1/2" and 5"** production casing shall be cemented with at least **200' tie-back** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance approved to use a 5M annular. When conducting a BOP/BOPE test the annular shall be tested to 70% of the working pressure.**
3. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

DR 1/16/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM136223

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
PITCHBLENDE FED 19-30 038H

2. Name of Operator **COG OPERATING LLC** Contact: **MAYTE X REYES**
E-Mail: **mreyes1@concho.com**

9. API Well No.
30-025-45653-00-X1

3a. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE**
MIDLAND, TX 79701-4287 3b. Phone No. (include area code)
Ph: **575-748-6945**

10. Field and Pool or Exploratory Area
WILDCAT BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T25S R35E 450FNL 710FEL
32.121914 N Lat, 103.400383 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

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

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

COG Operating respectfully requests approval for the following changes to the originally approved APD.

Casing Changes:
See attached.

Formation Change:
From: Doggie Draw; Delaware 97779
To: Wildcat; Bone Spring
C102 attached.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #499079 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 01/16/2020 (20PP0980SE)**

Name (Printed/Typed) **MAYTE X REYES**

Title **SENIOR REGULATORY ANALYST**

Signature (Electronic Submission)

Date **01/14/2020**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO

Title **PETROLEUM ENGINEER**

Date **01/16/2020**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **Hobbs**

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

(Instructions on page 2)

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

Revisions to Operator-Submitted EC Data for Sundry Notice #499079

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM136223	NMNM136223
Agreement:		
Operator:	COG OPERATING LLC 2208 WEST MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Tech Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	WILDCAT;BONE SPRING	WILDCAT BONE SPRING
Well/Facility:	PITCHBLENDE FEDERAL 19-30 38H Sec 19 T25S R35E NENE 450FNL 710FEL	PITCHBLENDE FED 19-30 038H Sec 19 T25S R35E 450FNL 710FEL 32.121914 N Lat, 103.400383 W Lon

**PECOS DISTRICT
DRILLING OPERATIONS
CONDITIONS OF APPROVAL EC499079**

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM136223
WELL NAME & NO.:	Pitchblende Fed 19-30 38H
SURFACE HOLE FOOTAGE:	450' FNL & 710' FEL
BOTTOM HOLE FOOTAGE:	2590' FNL & 1170' FEL
LOCATION:	Section 19, T 25S, R 35E, NMPM
COUNTY:	Lea County, New Mexico

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Variance	<input checked="" type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input checked="" type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

A. CASING

1. The **10-3/4"** surface casing shall be set at approximately **1010'** (a minimum of 25' into the Rustler Anhydrite and above the salt) and cemented to surface.
 - a. **If cement does not circulate to surface**, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of **6 hours** after pumping cement, ideally between 8-10 hours after.
 - b. WOC time for a primary cement job will be a minimum of **8 hours** or **500 psi** compressive strength, whichever is greater. This is to include the lead cement.
 - c. If cement falls back, remedial cementing will be done prior to drilling out the shoe.
 - d. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
2. The **7-5/8"** intermediate casing shall be cemented to surface.
 - a. **If cement does not circulate to surface**, see A.1.a, c & d.
 - b. This casing must be kept at least 1/3 full at all times in order to meet BLM collapse requirements.
3. The **5-1/2" and 5"** production casing shall be cemented with at least **200' tie-back** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance approved to use a 5M annular. When conducting a BOP/BOPE test the annular shall be tested to 70% of the working pressure.**
3. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

DR 1/16/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM136223

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
PITCHBLENDE FED 19-30 208H

2. Name of Operator Contact: MAYTE X REYES
COG OPERATING LLC E-Mail: mreyes1@concho.com

9. API Well No.
30-025-45656-00-X1

3a. Address 3b. Phone No. (include area code)
ONE CONCHO CENTER 600 W ILLINOIS AVENUE Ph: 575-748-6945
MIDLAND, TX 79701-4287

10. Field and Pool or Exploratory Area
WILDCAT;WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T25S R35E 450FNL 660FEL
32.121914 N Lat, 103.400223 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

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

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

COG Operating respectfully requests approval for the following changes to the originally approved APD.

Casing Changes:
See attached.

Formation Change:
From: Fairview Mills; Bone Spring
To: Wildcat; Wolfcamp
C102 attached.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #499091 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 01/15/2020 (20PP0963SE)

Name (Printed/Typed) MAYTE X REYES

Title SENIOR REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/14/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO

Title PETROLEUM ENGINEER

Date 01/16/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

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

(Instructions on page 2)

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

Revisions to Operator-Submitted EC Data for Sundry Notice #499091

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM136223	NMNM136223
Agreement:		
Operator:	COG OPERATING LLC 2208 WEST MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Tech Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	WILDCAT; WOLFCAMP	WILDCAT;WOLFCAMP
Well/Facility:	PITCHBLENDE FEDERAL 19-30 208H Sec 19 T25S R35E NENE 450FNL 660FEL	PITCHBLENDE FED 19-30 208H Sec 19 T25S R35E 450FNL 660FEL 32.121914 N Lat, 103.400223 W Lon

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL EC499091

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM136223
WELL NAME & NO.:	Pitchblende Fed 19-30 208H
SURFACE HOLE FOOTAGE:	450' FNL & 660' FEL
BOTTOM HOLE FOOTAGE:	2590' FNL & 750' FEL
LOCATION:	Section 19, T 25S, R 35E, NMPM
COUNTY:	Lea County, New Mexico

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Variance	<input checked="" type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input checked="" type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

A. CASING

1. The **10-3/4"** surface casing shall be set at approximately **1010'** (a minimum of 25' into the Rustler Anhydrite and above the salt) and cemented to surface.
 - a. **If cement does not circulate to surface**, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of **6 hours** after pumping cement, ideally between 8-10 hours after.
 - b. WOC time for a primary cement job will be a minimum of **8 hours** or **500 psi** compressive strength, whichever is greater. This is to include the lead cement.
 - c. If cement falls back, remedial cementing will be done prior to drilling out the shoe.
 - d. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
2. The **7-5/8"** intermediate casing shall be cemented to surface.
 - a. **If cement does not circulate to surface**, see A.1.a, c & d.
 - b. This casing must be kept at least 1/3 full at all times in order to meet BLM collapse requirements.
3. The **5-1/2" and 5"** production casing shall be cemented with at least **200' tie-back** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance approved to use a 5M annular. When conducting a BOP/BOPE test the annular shall be tested to 70% of the working pressure.**
3. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

DR 1/16/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM136223

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
PITCHBLENDE FED 19-30 457H

2. Name of Operator **COG OPERATING LLC** Contact: **MAYTE X REYES**
E-Mail: **mreyes1@concho.com**

9. API Well No.
30-025-45662-00-X1

3a. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287** 3b. Phone No. (include area code)
Ph: **575-748-6945**

10. Field and Pool or Exploratory Area
WILDCAT;WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T25S R35E 250FNL 1955FEL
32.121922 N Lat, 103.404327 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

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

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

COG Operating respectfully requests approval for the following changes to the originally approved APD.

Casing Changes:
See attached.

Formation Change:
From: Fairview Mills; Bone Spring 996340
To: Wildcat; Wolfcamp
C102 attached.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #499109 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 01/15/2020 (20PP0966SE)**

Name (Printed/Typed) **MAYTE X REYES**

Title **SENIOR REGULATORY ANALYST**

Signature (Electronic Submission)

Date **01/14/2020**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO

Title **PETROLEUM ENGINEER**

Date **01/16/2020**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **Hobbs**

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(Instructions on page 2)

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

Revisions to Operator-Submitted EC Data for Sundry Notice #499109

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM136223	NMNM136223
Agreement:		
Operator:	COG OPERATING LLC 2208 WEST MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Tech Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	FAIRVIEW MILLS; BS	WILDCAT;WOLFCAMP
Well/Facility:	PITCHBLENDE FEDERAL 19-30 457H Sec 19 T25S R35E NWNE 250FNL 1955FEL	PITCHBLENDE FED 19-30 457H Sec 19 T25S R35E 250FNL 1955FEL 32.121922 N Lat, 103.404327 W Lon

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL EC499109

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM136223
WELL NAME & NO.:	Pitchblende Fed 19-30 457H
SURFACE HOLE FOOTAGE:	250' FNL & 1955' FEL
BOTTOM HOLE FOOTAGE:	2590' FNL & 1590' FEL
LOCATION:	Section 19, T 25S, R 35E, NMPM
COUNTY:	Lea County, New Mexico

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Variance	<input checked="" type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input checked="" type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

A. CASING

1. The **10-3/4"** surface casing shall be set at approximately **1028'** (a minimum of 25' into the Rustler Anhydrite and above the salt) and cemented to surface.
 - a. **If cement does not circulate to surface**, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of **6 hours** after pumping cement, ideally between 8-10 hours after.
 - b. WOC time for a primary cement job will be a minimum of **8 hours** or **500 psi** compressive strength, whichever is greater. This is to include the lead cement.
 - c. If cement falls back, remedial cementing will be done prior to drilling out the shoe.
 - d. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
2. The **7-5/8"** intermediate casing shall be cemented to surface.
 - a. **If cement does not circulate to surface**, see A.1.a, c & d.
 - b. This casing must be kept at least 1/3 full at all times in order to meet BLM collapse requirements.
3. The **5-1/2" and 5"** production casing shall be cemented with at least **200' tie-back** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance approved to use a 5M annular. When conducting a BOP/BOPE test the annular shall be tested to 70% of the working pressure.**
3. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

DR 1/16/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM136223

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
PITCHBLENDE FED 19-30 607H

2. Name of Operator **COG OPERATING LLC** Contact: **MAYTE X REYES**
E-Mail: **mreyes1@concho.com**

9. API Well No.
30-025-45667-00-X1

3a. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE**
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)
Ph: **575-748-6945**

10. Field and Pool or Exploratory Area
WILDCAT;WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T25S R35E 250FNL 2005FEL
32.122475 N Lat, 103.404564 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

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

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

COG Operating respectfully requests approval for the following changes to the originally approved APD.

Casing Changes:
See attached.

Formation Change:
From: Doggie Draw; Wolfcamp 17980
To: Wildcat; Bone Spring
C102 attached.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #499090 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 01/15/2020 (20PP0962SE)**

Name (Printed/Typed) **MAYTE X REYES**

Title **SENIOR REGULATORY ANALYST**

Signature (Electronic Submission)

Date **01/14/2020**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO

Title **PETROLEUM ENGINEER**

Date **01/16/2020**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **Hobbs**

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

(Instructions on page 2)

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

Revisions to Operator-Submitted EC Data for Sundry Notice #499090

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM136223	NMNM136223
Agreement:		
Operator:	COG OPERATING LLC 2208 WEST MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Tech Contact:	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945	MAYTE X REYES SENIOR REGULATORY ANALYST E-Mail: mreyes1@concho.com Ph: 575-748-6945
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	WILDCAT; BONE SPRING	WILDCAT;WOLFCAMP
Well/Facility:	PITCHBLENDE FEDERAL 19-30 607H Sec 19 T25S R35E NWNE 250FNL 2005FEL	PITCHBLENDE FED 19-30 607H Sec 19 T25S R35E 250FNL 2005FEL 32.122475 N Lat, 103.404564 W Lon

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL EC499090

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM136223
WELL NAME & NO.:	Pitchblende Fed 19-30 607H
SURFACE HOLE FOOTAGE:	250' FNL & 2005' FEL
BOTTOM HOLE FOOTAGE:	2590' FNL & 2010' FEL
LOCATION:	Section 19, T 25S, R 35E, NMPM
COUNTY:	Lea County, New Mexico

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Variance	<input checked="" type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input checked="" type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

A. CASING

1. The **10-3/4"** surface casing shall be set at approximately **1028'** (a minimum of 25' into the Rustler Anhydrite and above the salt) and cemented to surface.
 - a. **If cement does not circulate to surface**, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of **6 hours** after pumping cement, ideally between 8-10 hours after.
 - b. WOC time for a primary cement job will be a minimum of **8 hours** or **500 psi** compressive strength, whichever is greater. This is to include the lead cement.
 - c. If cement falls back, remedial cementing will be done prior to drilling out the shoe.
 - d. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
2. The **7-5/8"** intermediate casing shall be cemented to surface.
 - a. **If cement does not circulate to surface**, see A.1.a, c & d.
 - b. This casing must be kept at least 1/3 full at all times in order to meet BLM collapse requirements.
3. The **5-1/2" and 5"** production casing shall be cemented with at least **200' tie-back** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance approved to use a 5M annular. When conducting a BOP/BOPE test the annular shall be tested to 70% of the working pressure.**
3. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

DR 1/16/2020

From: [Engineer, OCD, EMNRD](#)
To: [Jeanette Barron](#)
Cc: [McClure, Dean, EMNRD](#); [Bratcher, Mike, EMNRD](#); [Kautz, Paul, EMNRD](#); lisa@rwbyram.com; [Glover, James; kparadis@blm.gov](#); [Walls, Christopher](#)
Subject: Approved Administrative Order PC-1389
Date: Friday, January 22, 2021 10:54:42 AM
Attachments: [PC1389 Order.pdf](#)

NMOCD has issued Administrative Order PC-1389 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
30-025-45652	Pitchblende 19 30 Federal #37H	B-19-25S-35E	17980
30-025-45653	Pitchblende 19 30 Federal #38H	A-19-25S-35E	96340
30-025-45656	Pitchblende 19 30 Federal #208H	A-19-25S-35E	17980
30-025-45658	Pitchblende 19 30 Federal #358H	A-19-25S-35E	96340
30-025-45662	Pitchblende 19 30 Federal #457H	B-19-25S-35E	17980
30-025-45667	Pitchblende 19 30 Federal #607H	B-19-25S-35E	96340

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

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

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

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

**APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY COG OPERATING, LLC**

ORDER NO. PC-1389

ORDER

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

FINDINGS OF FACT

1. COG Operating, LLC (“Operator”) submitted a complete application to surface commingle and off-lease measure the oil and gas production ("Application") from the pools, leases, and wells identified in Exhibit A.
2. To the extent that ownership is identical, Operator submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7(B) NMAC.
3. Operator proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
4. To the extent that ownership is diverse, Operator provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Operator provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
6. Operator certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.

CONCLUSIONS OF LAW

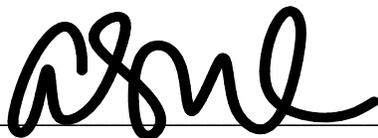
7. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, and 19.15.12 NMAC.
8. Operator satisfied the notice requirements for the Application in accordance with 19.15.12.10(A)(2), (C)(4)(c), and (C)(4)(e) NMAC, as applicable.
9. Operator’s proposed method of allocation, as modified herein, complies with 19.15.12.10(B)(1) or (C)(1) NMAC, as applicable.

10. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10(B)(3) and (C)(4)(h) NMAC.
11. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Operator is authorized to surface commingle and off-lease measure oil and gas production from the pools, leases, and wells identified in Exhibit A.
2. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling.
3. Operator 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. Operator shall measure the commingled gas at a central delivery point or central tank battery described in Exhibit A in accordance with 19.15.19.9 NMAC, provided however that if the gas is flared, and regardless of whether OCD has granted an exception pursuant to 19.15.18.12(B) NMAC, Operator shall report the gas in accordance with 19.15.18.12(F) NMAC.
5. Operator shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10(C)(2) NMAC.
6. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Operator shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Operator fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
7. Operator shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
8. OCD retains jurisdiction and reserves the right to modify or revoke this Order as it deems 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: 1/20/2021

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **PC-1389**

Operator: **COG Operating, LLC (229137)**

Central Tank Battery: **Pitchblende Federal 19 A Central Tank Battery**

Central Tank Battery Location (NMPM): **Unit A, Section 19, Township 25 South, Range 35 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): **Unit A, Section 19, Township 25 South, Range 35 East**

Pools

Pool Name	Pool Code
FAIRVIEW MILLS; BONE SPRING	96340
DOGIE DRAW; WOLFCAMP	17980

Leases as defined in 19.15.12.7(C) NMAC

Lease	Location (NMPM)
NMNM 136223	E/2 Sec 19, NE/4 Sec 30 T25S-R35E

Wells

Well API	Well Name	Location (NMPM)	Pool Code
30-025-45652	Pitchblende 19 30 Federal #37H	B-19-25S-35E	17980
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30-025-45667	Pitchblende 19 30 Federal #607H	B-19-25S-35E	96340

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 14439

CONDITIONS OF APPROVAL

Operator:	COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	OGRID:	229137	Action Number:	14439	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.