

RECEIVED

APR 01 2019

DISTRICT I
1625 N. FRENCH DR., BOBBS, NM 88240
Phone: (505) 593-8181 Fax: (505) 593-8780

DISTRICT II
511 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1883 Fax: (505) 748-8720

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

DISTRICT IV
1820 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3460 Fax: (505) 478-3462

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 30-015-45831	Pool Code 98220	Pool Name Purple Sage; Wolfcamp
Property Code 325215	Property Name HOWITZER FEDERAL COM	Well Number 602H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2974.6'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	12	24-S	28-E		1014	NORTH	620	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
D	11	24-S	28-E		660	NORTH	200	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

**NAD 83 NME
PROPOSED BOTTOM
HOLE LOCATION**
Y=450419.3 N
X=623907.1 E
LAT.=32.237995° N
LONG.=104.066278° W

**NAD 83 NME
SURFACE LOCATION**
Y=450037.1 N
X=633794.0 E
LAT.=32.236874° N
LONG.=104.034304° W

STATE

FEE

**PRODUCING AREA
PROJECT AREA**

LEASE X-ING
LAT.=32.237883° N
LONG.=104.040932° W

LEASE X-ING
LAT.=32.237883° N
LONG.=104.045243° W

GRID AZ. - 270°09'06"
HORZ. DIST. - 10175.2'

GRID AZ. TO FIP
39°02'35"

**Y=451081.5 N
X=623705.0 E**

**Y=451053.9 N
X=634408.7 E**

**Y=449768.3 N
X=623709.1 E**

**Y=449721.3 N
X=634418.7 E**

660' FNL & 330' FEL
Y=450392.4 N
X=634082.2 E
LAT.=32.237849° N
LONG.=104.033369° W

660' FNL & 330' FEL
Y=450419.3 N
X=623705.0 E
LAT.=32.237995° N
LONG.=104.066278° W

NMN054398

SECTION 11
SECTION 12

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 10/30/18
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.

AUGUST 28, 2018
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 10/25/18
Certificate No. **CHAD HARCROW 17777**
W.O. #18-1407 DRAWN BY: AM

Rw 4-11-19



U. S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

02/26/2019

APD ID: 10400036011

Submission Date: 11/08/2018

Highlighted data
reflects the most
recent changes

Operator Name: COG OPERATING LLC

Well Name: HOWITZER FEDERAL COM

Well Number: 602H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	QUATERNARY	2975	0	0		NONE	No
2	RUSTLER	2400	0	0		NONE	No
3	TOP SALT	2894	81	81	SALT	NONE	No
4	BASE OF SALT	434	2541	2541	ANHYDRITE	NONE	No
5	LAMAR	225	2750	2750	LIMESTONE	OTHER : Salt Water	No
6	BELL CANYON	172	2803	2803		OTHER : Salt Water	No
7	CHERRY CANYON	-689	3664	3664		NATURAL GAS,OIL	No
8	BRUSHY CANYON	-2485	4885	4885		NATURAL GAS,OIL	No
9	BONE SPRING LIME	-3444	6419	6419		NATURAL GAS,OIL	No
10	UPPER AVALON SHALE	-4318	6718	6718		NATURAL GAS,OIL	No
11	---	-4066	7041	7041		NATURAL GAS,OIL	No
12	BONE SPRING 1ST	-4442	7417	7417		NATURAL GAS,OIL	No
13	BONE SPRING 2ND	-5242	8217	8217	SANDSTONE	NATURAL GAS,OIL	No
14	BONE SPRING 3RD	-6331	9306	9306		NATURAL GAS,OIL	No
15	WOLFCAMP	-6664	9639	9639		NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention

Surface Use Plan
COG Operating LLC
Howitzer Federal Com 602H
SHL: 1014' FNL & 620' FEL UL A
Section 12, T24S, R28E
BHL: 660' FNL & 200' FWL UL D
Section 11, T24S, R28E
Eddy County, New Mexico

OPERATOR CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or COG Operating LLC, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 5th day of NOVEMBER, 2018.

Signed: Mayte Reyes

Printed Name: Mayte Reyes

Position: Regulatory Analyst

Address: 2208 W. Main Street, Artesia, NM 88210

Telephone: (575) 748-6945

E-mail: mreyes1@concho.com

Field Representative (if not above signatory): Gerald Herrera

Telephone: (432) 260-7399. E-mail: gherrera@concho.com

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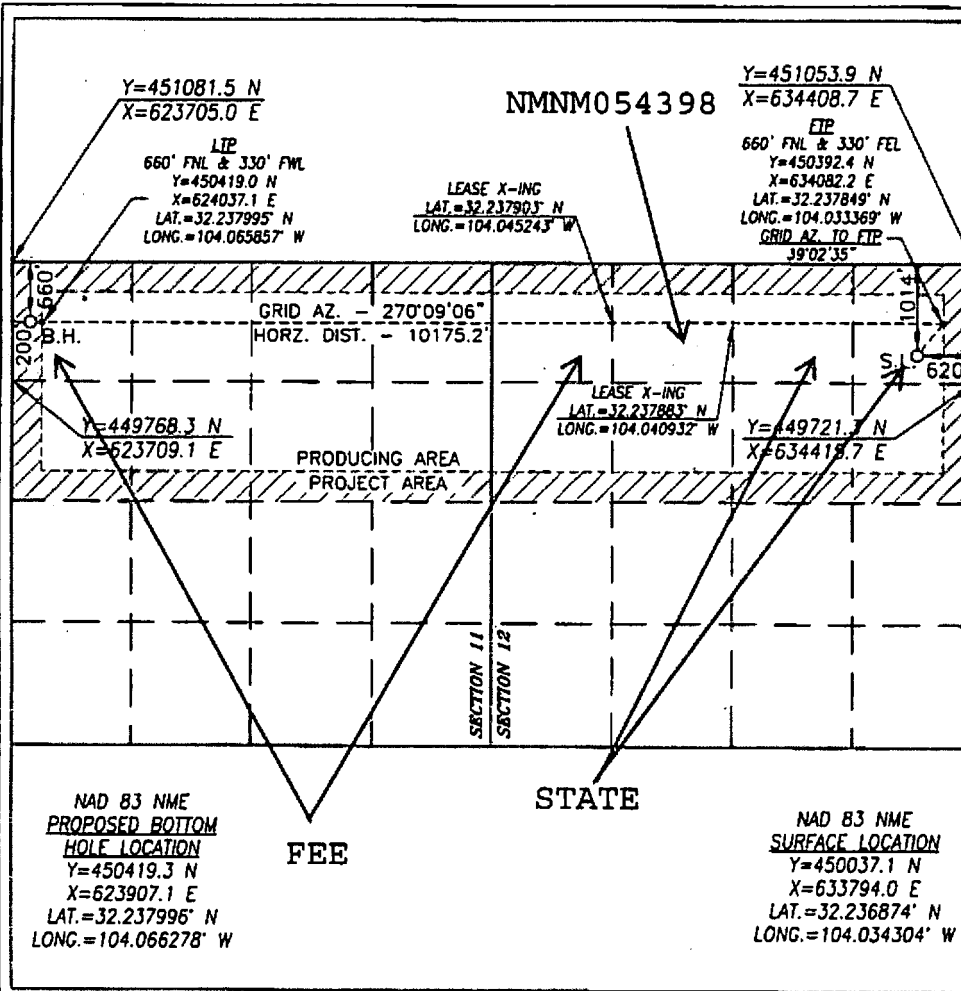
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Signature: *Mayte Reyes* Date: 10/30/18

Printed Name: Mayte Reyes

E-mail Address: mreyes1@concho.com

E-mail Address

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Signature & Seal of Professional Surveyor



Signature: *Chad Harcrow* Date: 10/25/18
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