

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
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DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87506
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

RECEIVED

APR 01 2019

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

DISTRICT II-ARTESIA

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45833	Pool Code 98220	Pool Name Purple Sage; Wolfcamp
Property Code 325315	Property Name HOWITZER FEDERAL COM	Well Number 605H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2963.5'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	24-S	28-E		2125	NORTH	300	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
E	11	24-S	28-E		1760	NORTH	200	WEST	EDDY

Dedicated Acres 640	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

<p>STATE</p> <p>LIP 1760' FNL & 330' FWL Y=449318.9 N X=624040.5 E LAT.=32.234971' N LONG.=104.065855' W</p> <p>EIP 1760' FNL & 330' FWL Y=449292.4 N X=634088.0 E LAT.=32.234825' N LONG.=104.033360' W</p> <p>LEASE X-ING LAT.=32.234879' N LONG.=104.045228' W</p> <p>GRID AZ. - 270°09'03" HORZ. DIST. - 10177.5'</p> <p>PROJECT AREA PRODUCING AREA</p> <p>SECTION 11 SECTION 12</p> <p>NAD 83 NME PROPOSED BOTTOM HOLE LOCATION Y=449319.2 N X=623910.5 E LAT.=32.234972' N LONG.=104.066276' W</p> <p>NMN054398</p> <p>NAD 83 NME SURFACE LOCATION Y=448927.6 N X=634119.9 E LAT.=32.233822' N LONG.=104.033260' W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature <u>Mayte Reyes</u> Date <u>10/30/18</u></p> <p>Printed Name Mayte Reyes</p> <p>E-mail Address mreyes1@concho.com</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 20, 2018</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor</p> <p>CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR</p> <p>Chad L. Harcrow 10/30/18</p> <p>Certificate No. CHAD HARCROW 17777</p> <p>W.O. # 18-1408 DRAWN BY: AM</p>
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REV 4-11-19



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

Drilling Plan Data Report

02/26/2019

APD ID: 10400036159

Submission Date: 11/09/2018

Highlighted data
reflects the most
recent changes

Operator Name: COG OPERATING LLC

Well Name: HOWITZER FEDERAL COM

Well Number: 605H

[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	2963	0	0		NONE	No
2	TOP.SALT	2872	91	91	SALT	NONE	No
3	BASE OF SALT	412	2551	2551	ANHYDRITE	NONE	No
4	LAMAR	203	2760	2760	LIMESTONE	OTHER : Salt Water	No
5	BELL CANYON	150	2813	2813		OTHER : Salt Water	No
6	CHERRY CANYON	-711	3674	3674		NATURAL GAS,OIL	No
7	BRUSHY CANYON	-1932	4895	4895		NATURAL GAS,OIL	No
8	BONE SPRING LIME	-3466	6429	6429		NATURAL GAS,OIL	No
9	UPPER AVALON SHALE	-3765	6728	6728		NATURAL GAS,OIL	No
10	---	-4088	7051	7051		NATURAL GAS,OIL	No
11	BONE SPRING 1ST	-4464	7427	7427		NATURAL GAS,OIL	No
12	BONE SPRING 2ND	-5264	8227	8227	SANDSTONE	NATURAL GAS,OIL	No
13	BONE SPRING 3RD	-6353	9316	9316		NATURAL GAS,OIL	No
14	WOLFCAMP	-6672	9635	9635		NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention