

APR 01 2019

Form C-102

DISTRICT I
1625 N. FRENCH DR., HOHES, NM 88240
Phone: (575) 393-6191 Fax: (575) 393-0720

State of New Mexico
Energy, Minerals & Natural Resources Department

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 740-1223 Fax: (575) 740-9720

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

RECEIVED
Revised August 1, 2011
Submit one copy to appropriate
District Office

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015 - 45832	Pool Code 98220	Pool Name Purple sage; Wolfcamp
Property Code 325315	Property Name HOWITZER FEDERAL COM	Well Number 603H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2974.4'

Surface Location

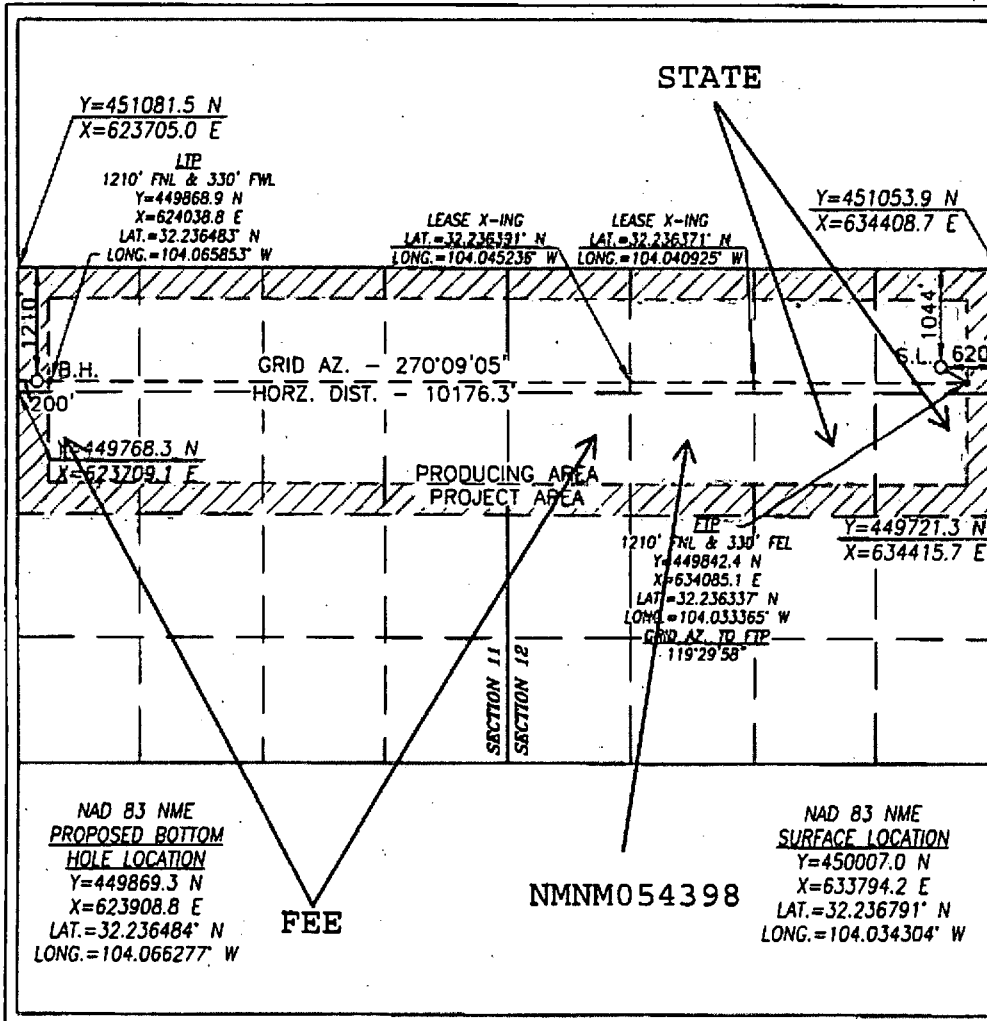
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	12	24-S	28-E		1044	NORTH	620	EAST	EDDY

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		1210	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



OPERATOR CERTIFICATION

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

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

OCTOBER 20, 2018
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Signature: *Chad Harcrow* Date: 10/30/18
Certificate No. CHAD HARCROW 17777
W.O. # 18-1406 DRAWN BY: AM

Ref 4-11-19



APD ID: 10400036013

Submission Date: 11/08/2018

Highlighted data reflects the most recent changes

Operator Name: COG OPERATING LLC

Well Number: 603H

[Show Final Text](#)

Well Name: HOWITZER FEDERAL COM

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	2974	0	0		NONE	No
2	TOP SALT	2879	96	96	SALT	NONE	No
3	BASE OF SALT	419	2556	2556	ANHYDRITE	NONE	No
4	LAMAR	210	2765	2765	LIMESTONE	OTHER : Salt Water	No
5	BELL CANYON	157	2818	2818		OTHER : Salt Water	No
6	CHERRY CANYON	-704	3679	3679		NATURAL GAS,OIL	No
7	BRUSHY CANYON	-1925	4900	4900		NATURAL GAS,OIL	No
8	BONE SPRING LIME	-3459	6434	6434		NATURAL GAS,OIL	No
9	UPPER AVALON SHALE	-3758	6733	6733		NATURAL GAS,OIL	No
10	---	-4081	7056	7056		NATURAL GAS,OIL	No
11	BONE SPRING 1ST	-4457	7432	7432		NATURAL GAS,OIL	No
12	BONE SPRING 2ND	-5257	8232	8232	SANDSTONE	NATURAL GAS,OIL	No
13	BONE SPRING 3RD	-6346	9321	9321		NATURAL GAS,OIL	No
14	WOLFCAMP	-6662	9637	9637		NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention