

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

Form C-101
August 1, 2011
Permit 262965

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701		2. OGRID Number 229137
4. Property Code 316035		3. API Number 30-015-45706
5. Property Name BIGFOOT STATE COM		6. Well No. 502H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	20	19S	28E		1335	S	410	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	21	19S	28E	I	1980	S	50	E	Eddy

9. Pool Information

WINCHESTER; BONE SPRING, WEST	97569
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3481
16. Multiple N	17. Proposed Depth 16935	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 4/15/2019
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26	20	57	80	200	0
Int1	17.5	13.375	54.5	190	200	0
Int2	12.25	9.625	40	3346	825	0
Prod	8.75	5.5	17	16935	2100	2846

Casing/Cement Program: Additional Comments

COG proposes to drill a 26" hole to 80' w/ fresh water spud mud. Set 20" conductor casing and cement to surface. Drill a 17-1/2" hole to 190' w/ brine water mud system. Set 13-3/8" 54.5# J-55 BTC casing and cement to surface in one stage. Drill an 12-1/4" hole to 3,346' w/ brine water mud system. Set 9-5/8" 40# J-55 BTC casing to TD and cement to surface in one stage. Drill a 8-3/4" vertical, curve and lateral to 16,935" with cut brine water mud system. Set 5-1/2" 17# P-110 BTC casing at TD and cement to 2,846' in one stage.
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@concho.com Date: 1/30/2019	Approved By: Raymond Podany Title: Geologist Approved Date: 2/12/2019 Expiration Date: 2/12/2021 Conditions of Approval Attached

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Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102

August 1, 2011

Permit 262965

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-45706	2. Pool Code 97569	3. Pool Name WINCHESTER; BONE SPRING, WEST
4. Property Code 316035	5. Property Name BIGFOOT STATE COM	6. Well No. 502H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3481

10. Surface Location

UL - Lot L	Section 20	Township 19S	Range 28E	Lot Idn	Feet From 1335	N/S Line S	Feet From 410	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot I	Section 21	Township 19S	Range 28E	Lot Idn	Feet From 1980	N/S Line S	Feet From 50	E/W Line E	County Eddy
12. Dedicated Acres 320.00	13. Joint or Infill		14. Consolidation Code				15. Order No.		

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

OPERATOR CERTIFICATION

I hereby certify that the information contained 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(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diane Kuykendall

Title: Production Reporting Mgr

Date: 1/30/2019

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.

Surveyed By: Chad Harcrow

Date of Survey: 12/20/2018

Certificate Number: 17777

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Form APD Comments

Permit 262965

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-45706
		Well: BIGFOOT STATE COM #502H
Created By	Comment	Comment Date
rodom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	1/29/2019

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Form APD Conditions

Permit 262965

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-45706
		Well: BIGFOOT STATE COM #502H
OCD Reviewer	Condition	
rpodany	Will require a directional survey with the C-104	
rpodany	Cement is required to circulate on both surface and intermediate1 strings of casing	