

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-8161 Fax:(505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 218056

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

1. Operator Name and Address COG OPERATING LLC One Concho Center Midland, TX 79701		2. OGRID Number 229137
4. Property Code 316035		3. API Number 30-015-43671
5. Property Name BIGFOOT STATE COM		6. Well No. 003H

7. Surface Location

UL - Lot	P	Section	20	Township	19S	Range	28E	Lot Idn	P	Feet From	190	N/S Line	S	Feet From	290	E/W Line	E	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	M	Section	20	Township	19S	Range	28E	Lot Idn	M	Feet From	330	N/S Line	S	Feet From	330	E/W Line	W	County	Eddy
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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 3412
16. Multiple N	17. Proposed Depth 11674	18. Formation Bone Spring	19. Contractor	20. Spud Date 3/25/2016
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	17.5	13.375	54.5	515	475	
Int1	12.25	9.625	40	2950	800	
Prod	8.75	5.5	17	11674	1975	

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~ (+/-) 515' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 5% NACL to cement to surface, if necessary. Drill 12-1/4" hole to ~ (+/-) 2950' with saturated brine water. Run 9-5/8" 40# J55 BTC casing to TD and cement to surface in one stage. Drill 8-3/4" vertical hole, curve, and lateral to ~ (+/-) 11674' with cut brine. Run 5-1/2" 17# P110 LTC casing to TD and cement to surface in one stage.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3000	Hydrill

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: production@concho.com Date: 3/11/2016	Approved By: Randy Dade Title: District Supervisor Approved Date: 3/22/2016 Conditions of Approval Attached
Phone: 432-683-7443	Expiration Date: 3/22/2018

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Form C-102
August 1, 2011
Permit 218056

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-43671	2. Pool Code 97569	3. Pool Name WINCHESTER; BONE SPRING, WEST
4. Property Code 316035	5. Property Name BIGFOOT STATE COM	6. Well No. 003H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3412

10. Surface Location

UL - Lot P	Section 20	Township 19S	Range 28E	Lot Idn P	Feet From 190	N/S Line S	Feet From 290	E/W Line E	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot M	Section 20	Township 19S	Range 28E	Lot Idn M	Feet From 330	N/S Line S	Feet From 330	E/W Line W	County Eddy
12. Dedicated Acres 160.00	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

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Form APD Comments

 Permit 218056

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-43671
		Well: BIGFOOT STATE COM #003H
Created By	Comment	Comment Date
mreyes1	OIL: COG Operating has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary.	3/11/2016

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Form APD Conditions

Permit 218056

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-43671
	Well: BIGFOOT STATE COM #003H

OCD Reviewer	Condition
kjones	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kjones	Will require a directional survey with the C-104
artesia	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
artesia	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement