

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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) 334-8178 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 229563

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 315130		3. API Number 30-015-43999
5. Property Name BONE YARD 11 FEE		6. Well No. 016H

7. Surface Location

UL - Lot	N	Section	2	Township	20S	Range	25E	Lot Idn		Feet From	150	N/S Line	S	Feet From	2310	E/W Line	W	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	N	Section	11	Township	20S	Range	25E	Lot Idn	N	Feet From	280	N/S Line	S	Feet From	2310	E/W Line	W	County	Eddy
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9. Pool Information

N. SEVEN RIVERS; GLORIETA-YESO	97565
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3387
16. Multiple N	17. Proposed Depth 8033	18. Formation Paddock	19. Contractor	20. Spud Date 1/22/2017
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	11	8.625	32	1200	700	0
Prod	7.875	5.5	17	8033	800	0

Casing/Cement Program: Additional Comments

COG proposes to drill an 11" hole to 1200' w/fresh water, run 8-5/8" 32# J-55 casing and cement to surface with 700sxs. Drill a 7-7/8" hole to 2529' MD and kick off and drill curve to 3050' TVD 3338' MD. Drill a 7-7/8" lateral to new BHL @ 3132' TVD 8033' MD. Run a 5-1/2" 17# L-80 casing to TD and cement to surface with 800sxs.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	2000	

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: _____ Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: production@concho.com Date: 12/16/2016	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 12/16/2016 Expiration Date: 12/16/2018 Conditions of Approval Attached
Phone: 432-683-7443	

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Form C-102
August 1, 2011
Permit 229563

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-43999	2. Pool Code 97565	3. Pool Name N. SEVEN RIVERS; GLORIETA-YESO
4. Property Code 315130	5. Property Name BONE YARD 11 FEE	6. Well No. 016H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3387

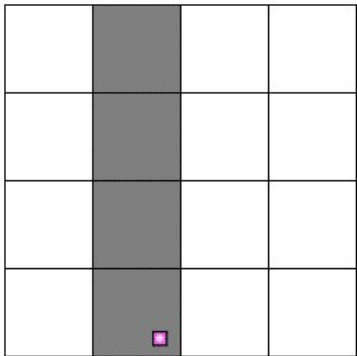
10. Surface Location

UL - Lot N	Section 2	Township 20S	Range 25E	Lot Idn	Feet From 150	N/S Line S	Feet From 2310	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot N	Section 11	Township 20S	Range 25E	Lot Idn	Feet From 280	N/S Line S	Feet From 2310	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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p>E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 12/16/2016</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Surveyed By: Robert Howett Date of Survey: 10/6/2016 Certificate Number: 19680</p>
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Form APD Comments

 Permit 229563

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-43999
		Well: BONE YARD 11 FEE #016H
Created By	Comment	Comment Date
rodrom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	12/15/2016

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Form APD Conditions

Permit 229563

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-43999
	Well: BONE YARD 11 FEE #016H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	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
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	SURFACE & PRODUCTION CASING - Cement must circulate to surface
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Operator shall notify appropriate District office when setting conductor pipe.
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of spudding a well.
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of spudding a well.
pkautz	Submit Gas Capture Plan form prior to spudding or initiating recompletion operations