

**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) 334-8170  
**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 229558

**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 317304		3. API Number 30-015-44044
5. Property Name Collier 22 State Com		6. Well No. 043H

**7. Surface Location**

UL - Lot	E	Section	22	Township	17S	Range	28E	Lot Idn	Feet From	1650	N/S Line	N	Feet From	140	E/W Line	W	County	Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot	H	Section	22	Township	17S	Range	28E	Lot Idn	H	Feet From	1652	N/S Line	N	Feet From	220	E/W Line	E	County	Eddy
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**9. Pool Information**

RED LAKE; SAN ANDRES	97253
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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 3574
16. Multiple N	17. Proposed Depth 7822	18. Formation San Andres	19. Contractor	20. Spud Date 4/20/2017
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	17.5	13.375	48	330	400	0
Int1	12.25	9.625	40	1240	450	0
Prod	8.75	7	29	7712	1800	0
Prod	7.875	5.5	17	7822	1800	0

**Casing/Cement Program: Additional Comments**

COG proposes to drill a 17-1/2" hole to 330' with 8.5ppg, 28 viscosity fresh water system. Set 13-3/8" casing and cement to surface. Drill a 12-1/4" hole to 1240' with a 10 ppg, 30 viscosity brine water mud system. Set 9-5/8" casing and cement to surface. Drill an 8-3/4" hole to 2625' MD and kick off and drill an 8-3/4" curve to 3500' MD. Drill a 7-7/8" lateral to new BHL @ 3140' TVD 7822' MD. Set 7" 20# L-80 x 5-1/2" 17# L-80 casing at TD and cement to surface.

**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: 1/20/2017	<b>OIL CONSERVATION DIVISION</b>  Approved By: Randolph Bayliss Title: District Supervisor Approved Date: 1/24/2017 Expiration Date: 1/24/2019 Conditions of Approval Attached
Phone: 432-683-7443	

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Form C-102  
August 1, 2011  
Permit 229558

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-44044	2. Pool Code 97253	3. Pool Name RED LAKE; SAN ANDRES
4. Property Code 317304	5. Property Name Collier 22 State Com	6. Well No. 043H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3574

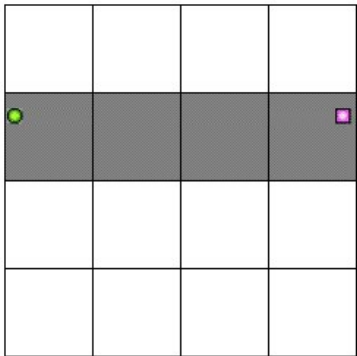
**10. Surface Location**

UL - Lot E	Section 22	Township 17S	Range 28E	Lot Idn	Feet From 1650	N/S Line N	Feet From 140	E/W Line W	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot H	Section 22	Township 17S	Range 28E	Lot Idn	Feet From 1650	N/S Line N	Feet From 220	E/W Line E	County EDDY
12. Dedicated Acres 160.00	13. Joint or Infill	14. Consolidation Code Communitization	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;"><b>OPERATOR CERTIFICATION</b></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: 1/20/2017</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></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: 10/5/2016 Certificate Number: 19680</p>
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**Santa Fe, NM 87505**

Form APD Comments  
  
 Permit 229558

**PERMIT COMMENTS**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-44044
		Well: Collier 22 State Com #043H
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 229558

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-44044
	Well: Collier 22 State Com #043H

OCD Reviewer	Condition
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