### District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

Signature:

Printed Name:

Email Address:

Electronically filed by Diane Kuykendall

Phone: 432-683-7443

Production Reporting Mgr

production@concho.com

12/30/2014

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

One Concho Center

Midland, TX 79701

Operator Name and Address
 COG OPERATING LLC

## 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 197515

229137

Expiration Date: 1/6/2017

3. API Number 30-015-42884

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

4. Property Code 313320			5. Property Name BOSE IKARD 4 STATE COM						6. Well No. 016H		
510			2302			ırface Location			1	51511	
UL - Lot L	Section 4	Township 17S	Range	29E		Feet From 1730	N/S Line S	Feet From	330	E/W Line W	County Eddy
	9.50	300	82	9 D	ronosad	Bottom Hole Locati	on		1.00	20	8 1111
UL - Lot	Section	Township	Range	Lot Ide		Feet From	N/S Line	Feet From		E/W Line	County
1	4	178		29E	T	1650	S		330	E	Eddy
					9. Po	ool Information					
MPIRE; GL	ORIETA-YESO, E	AST			1-1-1-1	Charles of All Confession				96610	<u> </u>
					Addition	al Well Information					
1. Work Type		12. Well Type		13. Cable/Rotar		ai vveli illioilliation	14. Lease Type		15. Groun	nd Level Elevation	
	v Well	OIL					State			3597	
8. Multiple		17. Proposed D		18. Formation	Argente and the second	WW.	19. Contractor		20. Spud Date		
N		847	3		o Format			7/31/2015			
epth to Groun	d water			Distance from n	earest fres	h water well			Distance	to nearest surface w	ater
Type	Hole Size	Casing	Size	21. Prop Casing Wei		sing and Cement Pr		Sacks o	f Cement		Estimated TOC
Surf	17.5	13.37		48	gritate	350			00		0
Int1	12.25	9.62	5	40		900	0		00		0
Prod	7.875	5.5		17		8473	3	1400			0
Int2	8.75	5.5		17		4406	3		0		0
							,				U
				Casing/Ce	ment Pro	ogram: Additional C					0
rine water n		5/8" casing and o	ement to surface	scosity fresh wa e. Drill an 8 3/4	ter syste	ogram: Additional C m. Set 13 3/8" casing 3579' MD and kick of	omments and cement to s	urface. Drill a			a 10 ppg, 30 viso
orine water n	nud system. Set 9	5/8" casing and o	ement to surface	scosity fresh wa e. Drill an 8 3/4 ent to surface.	ter syster " hole to	m. Set 13 3/8" casing	omments and cement to s f and drill an 8 3/	urface. Drill a			a 10 ppg, 30 viso
orine water n	nud system. Set 9	5/8" casing and o	ement to surface	scosity fresh wa e. Drill an 8 3/4 ent to surface.	ter syster " hole to osed Blo	m. Set 13 3/8" casing 3579' MD and kick of	omments and cement to s f and drill an 8 3/	urface. Drill a 4" curve to 4		. Drill a 7 7/8" late	a 10 ppg, 30 viso
orine water n	nud system. Set 9 473' MD. Run a 5	5/8" casing and o	ement to surface	scosity fresh wa e.e. Drill an 8 3/4 ent to surface. 22. Prop	ter syster " hole to osed Blo	m. Set 13 3/8" casing 3579' MD and kick of	omments and cement to s f and drill an 8 3/	urface. Drill a 4" curve to 4		. Drill a 7 7/8" late	a 10 ppg, 30 viso eral to new BHL a

Randy Dade

District Supervisor

Approved By:

Approved Date:

Conditions of Approval Attached

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Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District II</u> 311 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u> 2320 S. S. Especie Dr. Scate Fo. NM 87558

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-102 August 1, 2011

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-015-42884	96610	EMPIRE; GLORIETA-YESO, EAST
4. Property Code	5. Property Name	6. Well No.
313320	BOSE IKARD 4 STATE COM	016H
7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3597

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	4	17S	29E		1730	S	330	W	Eddy

11. Bottom Hole Location If Different From Surface

UL - Lot	Section 4	Township 17S	Range 29E	Lot Idn	Feet From 1650	N/S Line S	Feet From 330	E/W Line	County Eddy
12. Dedicated Act			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

92			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 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 location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory order heretofore entered by the division.	well at this
			E-Signed By: Diane Kuykendall  Title: Production Reporting Mgr  Date: 12/30/2014	
0		•	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 supervise the same is true and correct to the best of my belief.	ion, and tha
			Surveyed By: Robert Howett  Date of Survey: 2/27/2014  Certificate Number: 19680	

Form APD Comments

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State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Permit 197515

#### PERMIT COMMENTS

Operator Name and Address:	API Number:		
COG OPERATING LLC [229137]	30-015-42884		
One Concho Center	Well:		
Midland, TX 79701	BOSE IKARD 4 STATE COM #016H		

Created By	Comment	Comment Date
kholly1	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	12/30/2014

Form APD Conditions

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Permit 197515

#### PERMIT CONDITIONS OF APPROVAL

COG OPERATING LLC [229137]	API Number: 30-015-42884
One Concho Center	Well:
Midland, TX 79701	BOSE IKARD 4 STATE COM #016H

OCD Reviewer Condition