#### 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 188865

Manufacturer

Cameron

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

6. Well No. 005H	
County Lea	
County	
Lea	

Double Ram

21 Proposed Casing and Cement Program

- 0	14 1001010	21. Froposed Casing and Cement Frogram						
	Type	Hole Size	Hole Size Casing Size Casing Weig		Setting Depth	Sacks of Cement	Estimated TOC	
	Surf	17.5	13.375	54.5	1240	850		
	Int1	12.25	9.625	40	4950	1200	# 4 safe n	
	Prod	8.75	5.5	17	13976	1900	4700	

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1240' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 4950' with Brine, and run 9-5/8", 40# J55/ N80 and cement to surface. Drill 8-3/4" vertical & curve. Drill a 7-7/8" lateral with cut brine to approx 13,976'MD. Run 5-1/2", 17#, P-110 csg and cement to 4,700'

> 22. Proposed Blowout Prevention Program Working Pressure

3000

Test Pressure

3000

knowledge and b	I have complied with 19.15.14.9 (A)			OIL CONSE	ERVATION DIVISION
Signature:					
Printed Name: Electronically filed by DIANE KUYKENDALL			Approved By:	Paul Kautz	
Title:	Title: Production Reporting Manager			Geologist	
Emsil Address: dkuykendall@concho.com			Approved Date:	7/11/2014	Expiration Date: 7/11/2016
Date:	7/8/2014 Phone: 432-685-4372			roval Attached	·

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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

Form C-102 August 1, 2011

ermit 188865

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-41958	96674	TRIPLE X;BONE SPRING, WEST
4. Property Code	5. Property Name	6. Well No.
313475	MACHO NACHO STATE COM	005H
7. OGRID No. 217955	8. Operator Name COG PRODUCTION, LLC	9. Elevation 3575

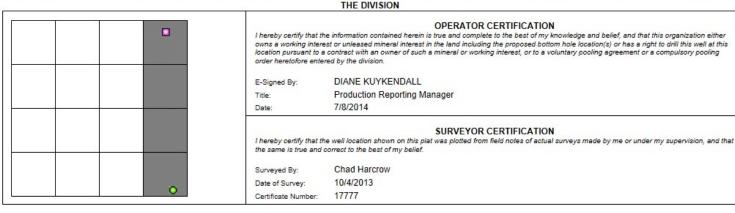
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	7	24S	33E		190	S	430	E	Lea

11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 7	Township 24S	Range 33E	Lot Idn	Feet From 330	N/S Line N	Feet From 660	E/W Line	County Lea
12. Dedicated Acre 160 00			13. Joint or Infill	8	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



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 188865

### PERMIT COMMENTS

Operator Name and Address:	API Number:
COG PRODUCTION, LLC [217955]	30-025-41958
600 W. Illinois Ave	Well:
Midland, TX 79701	MACHO NACHO STATE COM #005H

Created By	Comment	Comment Date
	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.	7/8/2014

Form APD Conditions

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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 188865

### PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG PRODUCTION, LLC [217955]	30-025-41958
600 W. Illinois Ave	Well:
Midland, TX 79701	MACHO NACHO STATE COM #005H

OCD Reviewer	Condition
pkautz	1) SURFACE & INTERNEMIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
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.