

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 188865

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

1. Operator Name and Address COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701		2. OGRID Number 217955
4. Property Code 313475		3. API Number 30-025-41958
5. Property Name MACHO NACHO STATE COM		6. Well No. 005H

7. Surface Location

UL - Lot	P	Section	7	Township	24S	Range	33E	Lot Idn	Feet From	190	N/S Line	S	Feet From	430	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	A	Section	7	Township	24S	Range	33E	Lot Idn	A	Feet From	330	N/S Line	N	Feet From	660	E/W Line	E	County	Lea
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9. Pool Information

TRIPLE X, BONE SPRING, WEST	96674
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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 3575
16. Multiple N	17. Proposed Depth 13976	18. Formation Bone Spring	19. Contractor	20. Spud Date 7/15/2014
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	1240	850	
Int1	12.25	9.625	40	4950	1200	
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'.
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

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 Manager Email Address: dkuykendall@concho.com Date: 7/8/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 7/11/2014 Expiration Date: 7/11/2016 Conditions of Approval Attached
Phone: 432-685-4372	

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Form C-102
August 1, 2011
Permit 188865

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

10. Surface Location

UL - Lot P	Section 7	Township 24S	Range 33E	Lot Idn	Feet From 190	N/S Line S	Feet From 430	E/W Line E	County Lea
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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 E	County Lea
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 188865

PERMIT COMMENTS

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

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Form APD Conditions

Permit 188865

PERMIT CONDITIONS OF APPROVAL

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

OCD Reviewer	Condition
pkautz	1) SURFACE & INTERMEDIATE 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.