

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 178069

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 39784		3. API Number 30-025-41594
5. Property Name CROCKETT STATE		6. Well No. 001H

7. Surface Location

UL - Lot A	Section 20	Township 21S	Range 33E	Lot Idn	Feet From 265	N/S Line N	Feet From 260	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot D	Section 20	Township 21S	Range 33E	Lot Idn D	Feet From 380	N/S Line N	Feet From 330	E/W Line W	County Lea
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9. Pool Information

WC-025 G-08 S213304D;BONE SPRING	97895
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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 3751
16. Multiple N	17. Proposed Depth 16243	18. Formation Bone Spring	19. Contractor	20. Spud Date 2/1/2014
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	1760	1125	0
Int1	12.25	9.625	40	5200	1200	0
Prod	7.875	5.5	17	16243	1575	4700

Casing/Cement Program: Additional Comments

Plan to drill 17 1/2" hole to 1760' w/fresh water, run 13 3/8" 54.5# J-55 casing & cement to surface. Drill 12 1/4" hole to 5200' w/brine water, run 9 5/8" 36# J-55/N-80 casing & cement to surface in 2 stages. Drill 7 7/8" curve and lateral w/cut brine to approximately 16243' MD. Run 5 1/2" 17# P-110 casing and cement to 4700'.

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall	Approved By: Paul Kautz
Title: Production Reporting Mgr	Title: Geologist
Email Address: dkuykendall@conchoresources.com	Approved Date: 1/10/2014 Expiration Date: 1/10/2016
Date: 12/10/2013 Phone: 432-683-7443	Conditions of Approval 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

Permit 178069

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41594	2. Pool Code 97895	3. Pool Name WC-025 G-08 S213304D;BONE SPRING
4. Property Code 39784	5. Property Name CROCKETT STATE	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3751



10. Surface Location

UL - Lot A	Section 20	Township 21S	Range 33E	Lot Idn	Feet From 265	N/S Line N	Feet From 260	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 20	Township 21S	Range 33E	Lot Idn	Feet From 380	N/S Line N	Feet From 330	E/W Line W	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

OPERATOR CERTIFICATION	
<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>	
E-Signed By:	Diane Kuykendall
Title:	Production Reporting Mgr
Date:	12/10/2013

SURVEYOR CERTIFICATION	
<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>	
Surveyed By:	CHAD HARCROW
Date of Survey:	2/12/2013
Certificate Number:	17777

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Form APD Comments

Permit 178069

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

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-025-41594
	Well: CROCKETT STATE #001H

Created By	Comment	Comment Date
pkautz	R-111-p Potash Area	12/6/2013
pkautz		12/6/2013
pkautz	Potash form sent to BLM & SLO 12/12/2013	12/12/2013
pkautz	E-mail request for potash requirements sent to Melanie Parker @ COG	12/12/2013
DMULL	State/State	12/17/2013

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Form APD Conditions
Permit 178089

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-025-41594
		Well: CROCKETT STATE #001H

OCD Reviewer	Condition
pkautz	1) SURFACE & INTERNEIMATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Will require a directional survey with the C-104