

COG OPERATING LLC
SUPER COBRA STATE COM 1H WELL

Lea County, New Mexico



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) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1830 S. ST. FRANCIS DR., SANTA FE, NM 87506
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 55610	Pool Name Scharb; Bone Spring
Property Code	Property Name SUPER COBRA STATE COM	Well Number 1H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3878.4

Surface Location

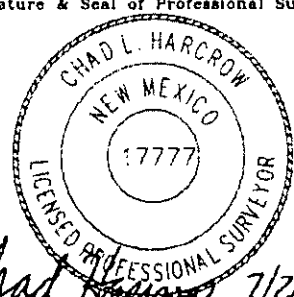
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	19-S	34-E		190	SOUTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	19-S	34-E		330	NORTH	660	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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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

NAD 27 <u>FIRST PERFORATION</u> Y=607210.7 N X=754331.7 E LAT.=32.6666009° N LONG.=103.506872° W 330' FNL & 660' FEL	Y=607533.6 N X=753668.0 E Y=607547.7 N X=754988.8 E	330 B.H. 660	OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____
BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. 1 Submitted by: COG OPERATING LLC Hearing Date: September 4, 2014	NAD 27 <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=607210.7 N X=754331.7 E LAT.=32.6666009° N LONG.=103.506872° W NAD 27 <u>SURFACE LOCATION</u> Y=602508.3 N X=754373.2 E LAT.=32.653675° N LONG.=103.506855° W	FIRST PERFORATION TO LAST PERFORATION GRID AZ. = 179°29'40" HORZ. DIST. = 4562.5' SURFACE HOLE TO BOTTOM HOLE GRID AZ. = 359°29'40" HORZ. DIST. = 4702.6'	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 supervision, and that the same is true and correct to the best of my belief. JULY 10, 2014 Date of Survey Signature & Seal of Professional Surveyor  Chad L. Harcrow 7/21/14 Certificate No. CHAD HARCROW 17777 W.O. # 14-601 DRAWN BY: AM
NAD 27 <u>LAST PERFORATION</u> Y=602648.4 N X=754371.9 E LAT.=32.654060° N LONG.=103.506856° W 330' FSL & 660' FEL	Y=602343.5 N X=755034.7 E Y=602293.0 N X=753713.8 E	660 S.L. 660	

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District III
1000 Rio Brazos Rd., Aztec, NM 87413
Phone: (505) 334-6178 Fax: (505) 334-6179
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 189588

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 313504		3. API Number 30-025-41987
5. Property Name SUPER COBRA STATE COM		6. Well No. 001H

7. Surface Location																		
UL - Lot	P	Section	13	Township	19S	Range	34E	Lot Idn	Feet From	190	N/S Line	S	Feet From	660	E/W Line	E	County	Lea

8. Proposed Bottom Hole Location																			
UL - Lot	A	Section	13	Township	19S	Range	34E	Lot Idn	A	Feet From	330	N/S Line	N	Feet From	660	E/W Line	E	County	Lea

9. Pool Information	
SCHARB;BONE SPRING	55610

Additional Well Information				
11. Work Type New Well	12. Well Type OIL	13. Cable-Rotary	14. Lease Type State	15. Ground Level Elevation 3878
16. Multiple N	17. Proposed Depth 15400	18. Formation Bone Spring	19. Contractor	20. Spud Date 9/1/2014
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#	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1890	1270	0
Int1	12.25	9.625	36	3600	960	0
Prod	8.75	5.5	17	15400	2830	0

Casing/Cement Program: Additional Comments

Plan to drill 17 1/2" hole to 1890' w/fresh water spud mud. Run 13 3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/2% CaCl2 to cement to surface if necessary. Drill 12 1/4" hole to 3600' w/saturated brine water. Run 9 5/8" 36# J55 LTC casing to TD and cement to surface in one stage. Drill 8 3/4" vertical hole, curve, and lateral to 15,400' w/cut brine. Run 5 1/2" 17# P110 LTC casing to TD and cement to surface in one stage.

22. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Shaeffer

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 ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable. Signature: _____ Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@conchoresources.com Date: 7/23/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 7/24/2014 Expiration Date: 7/24/2016 Conditions of Approval Attached
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District III

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Phone: (505) 334-0178 Fax: (505) 334-0170

District IV

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Phone: (505) 478-3470 Fax: (505) 478-3462

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

Permit 189588

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41987	2. Pool Code 55610	3. Pool Name SCHARB-BONE SPRING
4. Property Code 313504	5. Property Name SUPER COBRA STATE COM	6. Well No. 001H
7. OGRID No 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3878

10. Surface Location

UL - Lot P	Section 13	Township 19S	Range 34E	Lot Idn	Feet From 190	N/S Line S	Feet From 660	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 13	Township 19S	Range 34E	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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				☒														
			☒															
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: 7/10/2014 Certificate Number: 17777																		

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Phone:(505) 476-3470 Fax:(505) 476-3402

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

Form APD Comments

Permit 182588

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC (229137) One Concho Center Midland, TX 79701		API Number: 30-025-41987
		Well: SUPER COBRA STATE COM #001H
Created By	Comment	Comment Date
DMULL	State / State	7/24/2014

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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 APD Conditions

Permit 189588

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC (229137) One Concho Center Midland, TX 79701	API Number: 30-025-41987 Well: SUPER COBRA STATE COM #001H
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OCD Reviewer	Condition
DMULL	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
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