

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-8161 Fax:(505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 217842

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 39847		3. API Number 30-015-43670
5. Property Name BULTACO STATE		6. Well No. 003H

7. Surface Location

UL - Lot	P	Section	36	Township	22S	Range	31E	Lot Idn	Feet From	5	N/S Line	S	Feet From	1090	E/W Line	E	County	Eddy
----------	---	---------	----	----------	-----	-------	-----	---------	-----------	---	----------	---	-----------	------	----------	---	--------	------

8. Proposed Bottom Hole Location

UL - Lot	A	Section	36	Township	22S	Range	31E	Lot Idn	A	Feet From	330	N/S Line	N	Feet From	1295	E/W Line	E	County	Eddy
----------	---	---------	----	----------	-----	-------	-----	---------	---	-----------	-----	----------	---	-----------	------	----------	---	--------	------

9. Pool Information

LIVINGSTON RIDGE;BONE SPRING	39350
------------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3479
16. Multiple N	17. Proposed Depth 15201	18. Formation Bone Spring	19. Contractor	20. Spud Date 3/15/2016
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	750	540	
Int1	12.25	9.625	40	4530	960	
Prod	8.75	5.5	17	15201	2350	

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~ (+/-) 750' 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 ~ (+/-) 4530' with saturated brine water. Run 9-5/8" 40# J55 BTC casing to TD and cement to surface in one stage. Drill 8-3/4" vertical hole, curve, and lateral to ~ (+/-) 15201' with 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	5000	3000	Hydrill

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 Title: Production Reporting Mgr Email Address: production@concho.com Date: 3/8/2016	Approved By: Randy Dade Title: District Supervisor Approved Date: 3/14/2016 Expiration Date: 3/14/2018 Conditions of Approval Attached

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) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 217842

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-43670	2. Pool Code 39350	3. Pool Name LIVINGSTON RIDGE;BONE SPRING
4. Property Code 39847	5. Property Name BULTACO STATE	6. Well No. 003H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3479

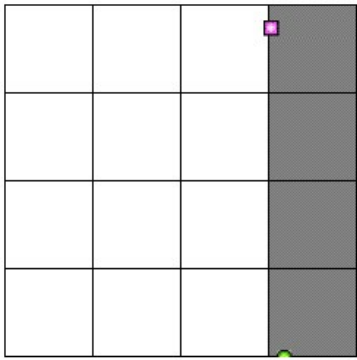
10. Surface Location

UL - Lot P	Section 36	Township 22S	Range 31E	Lot Idn	Feet From 5	N/S Line S	Feet From 1090	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	---------	----------------	---------------	-------------------	---------------	----------------

11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 36	Township 22S	Range 31E	Lot Idn	Feet From 330	N/S Line N	Feet From 1295	E/W Line E	County Eddy
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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><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></p> <p>E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 3/8/2016</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><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></p> <p>Surveyed By: Chad Harcrow Date of Survey: 2/4/2015 Certificate Number: 17777</p>
-----------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3482

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 217842

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-43670
		Well: BULTACO STATE #003H
Created By	Comment	Comment Date
mreyes1	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.	3/8/2016

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 APD Conditions

Permit 217842

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-43670
	Well: BULTACO STATE #003H

OCD Reviewer	Condition
--------------	-----------