

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
R11 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-101
Revised July 18, 2013

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

Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		OGRID Number 229137 API Number 30-015-42764
Property Code 313834	Property Name Flyswatter State	Well No 3H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	31	23S	27E		190	South	1980	West	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	31	23S	27E		330	North	1980	West	Eddy

9. Pool Information

Pool Name WILDCAT 6-02 S2427030; B.S. <small>Wildcat Bone Spring</small>	Pool Code 97837 96403
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Additional Well Information

11 Work Type Non-Multi Multiple N	12 Well Type Oil	13 Cable/Rotary	14 Lease Type State Contractor	15 Ground Level Elevation 7752.0'	16 Proposed Depth 13218'	17 Formation Bone Spring	18 Spud Date 11/1/2014
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
Surface	17.5	13.375	48	350	375	0
Intemd	12.25	9.625	36	1990	700	0
Pilot Hole Plug 1	8.75	-	-	10920	100	10720
Pilot Hole Plug 2	8.75	-	-	10056	150	9756
Pilot Hole Plug 3	8.75	-	-	8866	460	7966
Production	8.75	5.5	17	13218	2410	1690

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~350' w/ fresh water spud mud. Run 13-3/8" 48# H40 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 ~1990' with saturated brine water. Run 9-5/8" 36# J55 LTC casing to TD and cement to surface in one stage. Drill 8-3/4" pilot hole to 10920', log and plug back with 100 sx cement plug @ 10720' - 10920', 150 sx plug @ 9756' - 10056', and 460 sx cement plug @ 7966' - 8866'. Drill 8-3/4" curve and lateral to 13218' with cut brine. Run 5-1/2" 17# P110 LTC casing to TD and cement in one stage bringing TOC to 1690' (300' overlap).

22. Proposed Blowout Prevention Program

Type Double Ram	Working Pressure 5000	Test Pressure 5000	Manufacturer 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 that 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: <i>Mayte Reyes</i> Printed name: Mayte Reyes Title: Regulatory Analyst E-mail Address: mreyes1@concho.com Date: 10/25/2014		OIL CONSERVATION DIVISION Approved By: <i>T. C. Shepard</i> Title: "Geologist" Approved Date: 10-29-2014 Expiration Date: 10-29-2016 Conditions of Approval Attached	

Please provide proposed directional survey as a part of APD

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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 30-015- 42764	Pool Code 96403 91837 <i>Wildcat 6-02 52429630</i> Wildcat; Bone Spring	
Property Code 313834	Property Name FLYSWATTER STATE	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3258.0

Surface Location

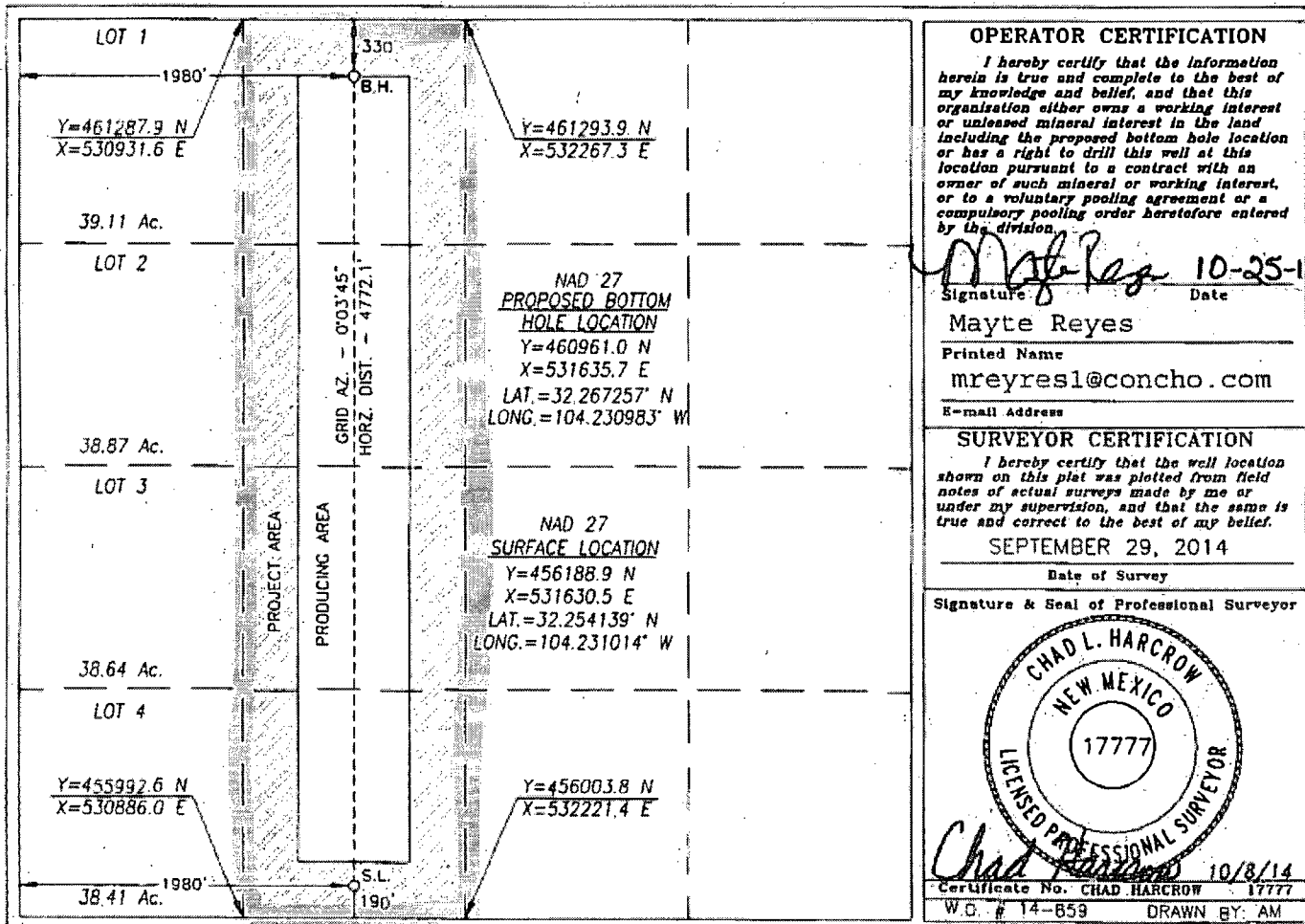
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	23-S	27-E		190	SOUTH	1980	WEST	EDDY

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
C	31	23-S	27-E		330	NORTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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



Permit Conditions of Approval

API:

30-015-42764 / COG Oper / Flyswatter State #3H

OCD Reviewer	Condition
CSHAPARD	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