

**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 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

Form C-101  
Revised November 14, 2012

**HOBBS OGD**

## Energy Minerals and Natural Resources

### Oil Conservation Division

☐ AMENDED REPORT

JAN 24 2013

1220 South St. Francis Dr.

Santa Fe, NM 87505

**RECEIVED**

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

1. Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		2. OGRID Number 229137	
3. Property Code 38001		4. API Number 30025 40949	
5. Property Name Corazon State Unit		6. Well No 7H	

#### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	10	21S	33E		100	North	1980	West	Lea

#### 8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	10	21S	33E		330	South	1980	West	Lea

#### 9. Pool Information

Pool Name	Pool Code
Wildcat; Bone Spring	97895

#### Additional Well Information

11. Work Type New Well	12. Well Type Oil	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3841.7'
16. Multiple N	17. Proposed Depth 18800'	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/29/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

#### 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	54.5	1900	1100	
Intrmd	12.25	9.625	36	5500	1400	
Open Hole	7.875	5.5	17	18800	1600	5300

#### Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1900' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5500' with Brine, and run 9-5/8", 36# J55(40# f/3500' - 5500') and cement to surface. Drill 7-7/8" hole with cut brine to 11,600' then drill 7-7/8" lateral to approx 18,800' MD (11,615' TVD). Run 5-1/2", 17#, P-110 csg and cement to 5300'.

#### 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 that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature: *Mayte Reyes*

Printed name: Mayte Reyes

Title: Regulatory Analyst

E-mail Address: mreyes1@concho.com

Date: 1/23/2013

Phone: 575-748-6945

#### OIL CONSERVATION DIVISION

Approved By:

Title: PETROLEUM ENGINEER

Approved Date: JAN 31 2013

Expiration Date:

Conditions of Approval Attached

FEB 04 2013

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

JAN 24 2013

Form C-102

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION  
11885 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV  
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025- <b>40949</b>	Pool Code 97895	Pool Name Wildcat G-08 S213304D; Bone Spring
Property Code 38601	Property Name CORAZON STATE UNIT	Well Number 7H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3841.7'

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	10	21-S	33-E		100	NORTH	1980	WEST	LEA

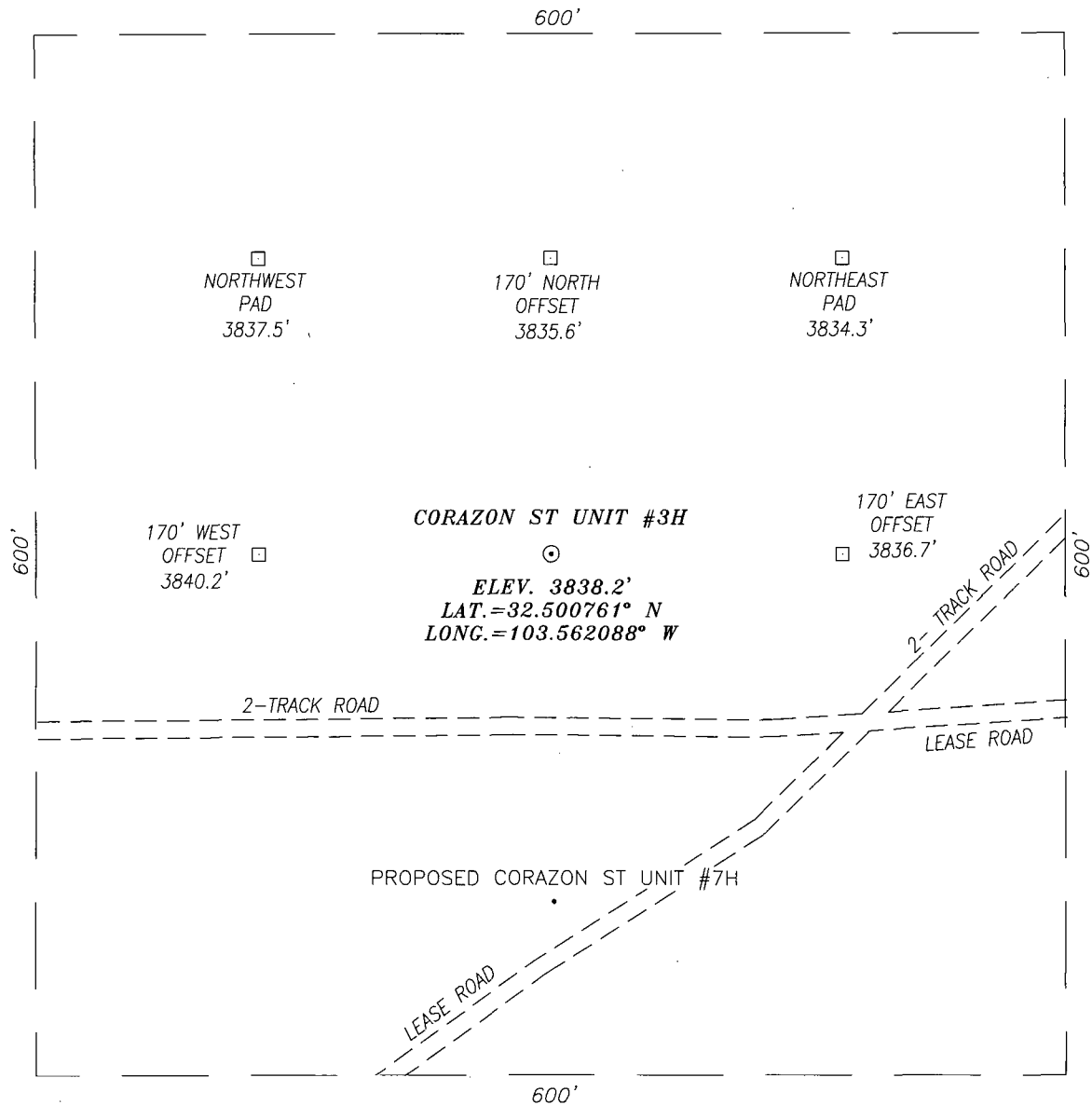
## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	10	21-S	33-E		330	SOUTH	1980	WEST	LEA
Dedicated Acres 160.0	Joint or Infill	Consolidation Code	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

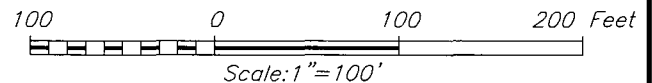
	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right 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.</p> <p><i>Melanie J. Parker</i> 1/23/13 Signature Date Melanie J. Parker Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>OCTOBER 01, 2012 Date Surveyed Signature of Professional Surveyor Professional Seal of Surveyor Certificate No. 17777 2012-037</p>
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SECTION 3, TOWNSHIP 21 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

HEADING EAST ON HWY. 176 TURN RIGHT 0.1 MILES PAST MILE MARKER 9  
ONTO CALICHE LEASE ROAD. CONTINUE FOR APPROX. 2.9 MILES TO SPLIT IN  
ROAD AND WELL IS 220 FEET NORTHWEST.



**HARCROW SURVEYING**  
1107 WATSON, ARTESIA N.M. 88210  
PH: (575) 513-2570  
FAX: (575) 746-2808  
EST. 2007



**COG OPERATING, LLC**

**CORAZON ST UNIT #3H WELL  
LOCATED 100 FEET FROM THE SOUTH LINE  
AND 1980 FEET FROM THE WEST LINE OF SECTION 3,  
TOWNSHIP 21 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO**

SURVEY DATE: SEPTEMBER 27, 2012	PAGE: 1 OF 1
DRAFTING DATE: OCTOBER 01, 2012	
APPROVED BY: CH	DRAWN BY: DDSI FILE: 12-132

[illegible]

CONTOUR INTERVAL: 10'

SEC. 10 TWP. 21-S RGE. 33-E  
SURVEY N.M.P.M.  
COUNTY LEA STATE NEW MEXICO  
DESCRIPTION 100' FNL & 1980' FWL  
ELEVATION 3842'  
OPERATOR COG OPERATING, LLC  
LEASE CORAZON ST UNIT  
U.S.G.S. TOPOGRAPHIC MAP  
GRAMA RIDGE, N.M.

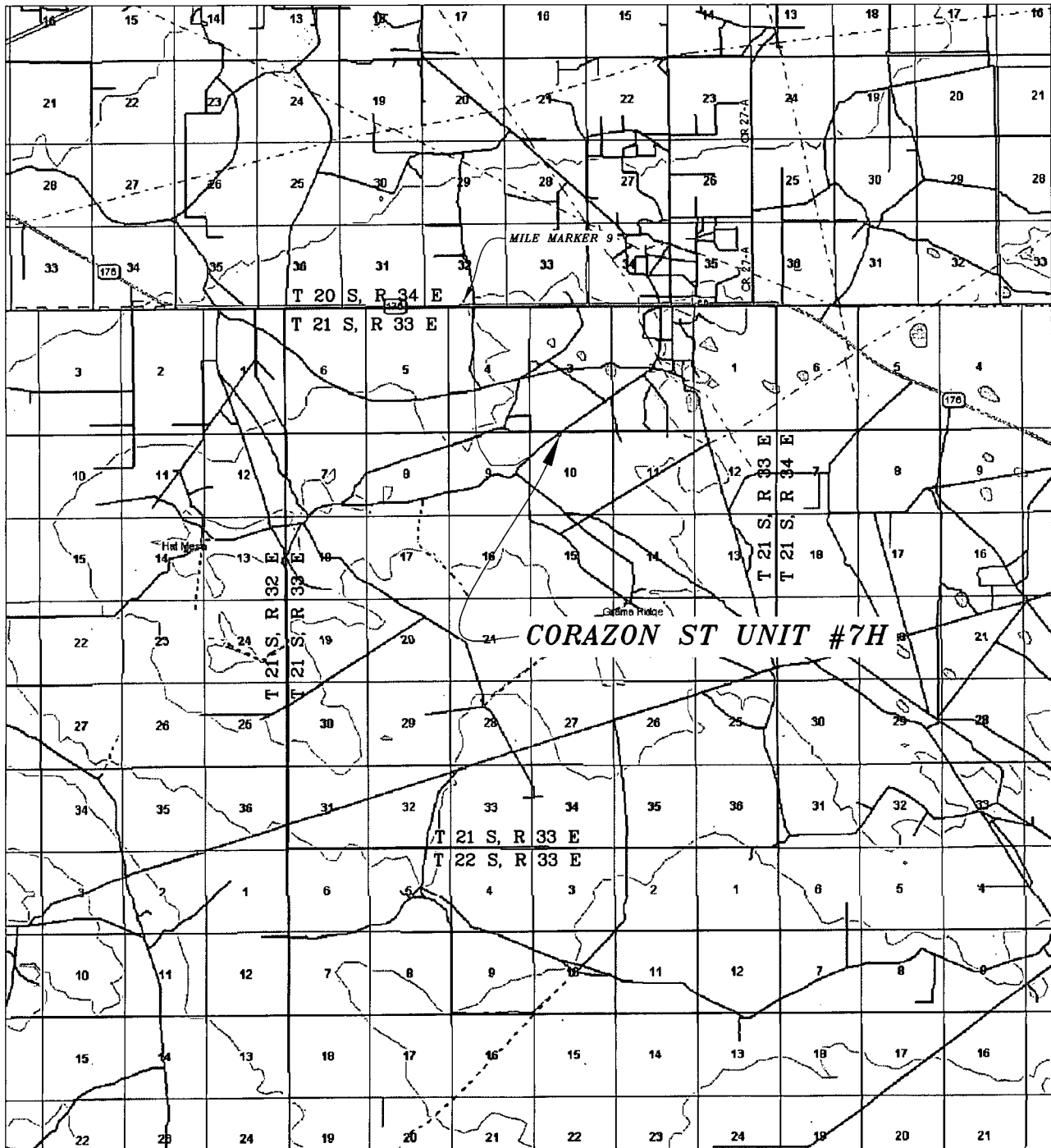
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**COG OPERATING, LLC**

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# VICINITY MAP



SEC. 10 TWP. 21-S RGE. 33-E  
 SURVEY N.M.P.M.  
 COUNTY LEA STATE NEW MEXICO  
 DESCRIPTION 100' FNL & 1980' FWL  
 ELEVATION 3842'  
 OPERATOR COG OPERATING, LLC  
 LEASE CORAZON ST UNIT

SCALE: 1" = 2 MILES

HARCROW SURVEYING  
 1107 WATSON, ARTESIA N.M. 88210  
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 EST. 2007



**COG OPERATING, LLC**

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