### 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

Manufacturer

	COGO	PERATING L	LC						2. OG	RID Number 229137		
		ncho Center , TX 79701							3. API	Number 30-025-42348		
4. Property C	Code 39915			5. Property Name GREY	HAWK ST	ATE			6. Wel	I No. 003H		
	5.12		510			7. Surf	ace Location	245	- 10	201		
UL - Lot P		Section 31	Township	Range 21S	34E	Lot Idn	Feet From 220	N/S Line S	Feet From 940	E/W Line	County	Lea
						8. Proposed B	ottom Hole Location	on				
UL - Lot	- 1	Section	Township	Range		Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	

### 9. Pool Information

	or roof information	
WC-025 G-07 S213430M:BONE SPRING	1.0 Santa-Sacada Cari MacCada Pala	97962

#### Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lesse Type State	15. Ground Level Elevation 3638
16. Multiple N	17. Proposed Depth 16507	18. Formation Bone Spring	19. Contractor	20. Spud Date 12/31/2014
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

Double Ram

12/22/2014

Date:

### 21 Droposed Casing and Coment Program

			Z i i i oposcu cusing	una coment rogium		
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1730	1150	
Int1	12.25	9.625	40	5680	1450	See
Prod	8.75	5.5	17	16507	3500	5480

### Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1740' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5680' with Brine, and run 9-5/8", 40# J55 and cement to surface. Drill 8-3/4" vertical & curve. Drill 8-3/4" lateral with cut brine to approximately 16,507' MD. Run 5-1/2", 17#, P-110 csg and cement to 5480'

> 22. Proposed Blowout Prevention Program Working Pressure

3000

Phone: 432-683-7443

Test Pressure

3000

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:			OIL CONSERVATI	ON DIVISION
Signature:			54.972	
Printed Name:	Electronically filed by Diane Kuykendall	Approved By:	Paul Kautz	
Title:	Production Reporting Mgr	Title:	Geologist	an analysis and
Email Address:	production@concho.com	Approved Date:	12/22/2014	Expiration Date: 12/22/2016

Conditions of Approval Attached

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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-102 August 1, 2011

ermit 197266

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-42348	97962	WC-025 G-07 S213430M;BONE SPRING
4. Property Code 39915	5. Property Name GREY HAWK STATE	6. Well No. 003H
7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3638

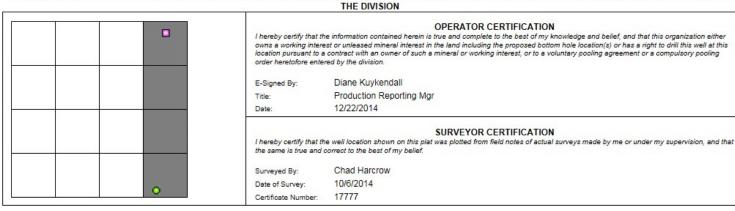
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Р	31	218	34E		220	S	940	E	Lea

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	31	218	34E	0.0000000	330	N	660	E	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



Form APD Comments

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District III</u>
311 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u>
1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u>
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

Permit 197266

## PERMIT COMMENTS

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-42348
One Concho Center	Well:
Midland, TX 79701	GREY HAWK STATE #003H

Created By	Comment	Comment Date
	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.	12/22/2014

Form APD Conditions

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District II</u>:
311 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u>:
1000 Rio Brazos Rd., Azteo, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u>:
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

Permit 197266

## PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:		
COG OPERATING LLC [229137]	30-025-42348		
One Concho Center	Well:		
Midland, TX 79701	GREY HAWK STATE #003H		

OCD Reviewer	Condition
pkautz	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 & INTERNEMIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water