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

Permit 166493

11/30/2013

Manufacturer

Distance to nearest surface water

> 1000

	11.00					ENTER, DEEP		, , 0, 1, 1				
	ne and Address	2							2. OG	RID Number		
	OPERATING LL	С								229137		
	Concho Center								3. API	Number		
Midl	and, TX 79701									30-015-4166	69	
Property Cod	e		5. Property Name						6. Wel	I No.		
401	32		JUNIPI	ER HARP	ER STATE COM					004H		
					7. Sur	ace Location						
UL - Lot	Section	Township	Range	11.352	Lot Idn	Feet From	N/S Line	Feet Fron	1	E/W Line	County	
P	16	17	S	30E	P	783	S		155	E		Eddy
					8. Proposed E	Sottom Hole Locati	on					
UL - Lot	Section	Township	Range		Lot Idn	Feet From	N/S Line	Feet From	113	E/W Line	County	
M	16	17	S	30E	M	660	S		330	W		Eddy
		120	W		9. Poo	l Information		2.5		18		
LOCO HILLS:	GLORIETA-YES)								96718		
					Additional	Well Information						
11. Work Type		14. Lease Type 15. Ground Level Elevation State 3677										
16. Multiple 17. Proposed Depth 18. Formation												

We will be using a closed-loop system in lieu of lined pits

Type

Double Ram

10277

N

Depth to Ground water

110

21. Proposed Casing and Cement Program

Yeso Formation

Distance from nearest fresh water well

> 1000

2000

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	350	400	0
Int1	12.25	9.625	36	1350	600	0
Int2	8.75	7	26	0	900	0
Prod	7.875	5.5	17	10277	800	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17 1/2" hole to 350' with a 8.5 ppg, 28 viscosity fresh water mud system. Set 13 3/8" casing and cement to surface. Drill a 12 1/2" hole to 1350' with a 10 ppg, 30 viscosity brine water mud system. Set 9 5/8" casing and cement to surface. Drill an 8 1/4" hole to 3823' MD and kick off and drill an 8 1/4" curve to 4581' MD. Drill a 7 7/8" lateral to new BHL at 5625' TVD 10277' MD. Run a tapered string with 7" 26# L-80 from surface to 5200' & 5 1/2" 17# L-80 casing to TD. Cement from TD to surface.

> 22. Proposed Blowout Prevention Program Working Pressure

Test Pressure

2000

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.				OIL CONSERVATIO	ON DIVISION
Signature:					
Printed Name:	Electronically filed by Diane Kuyk	endall	Approved By:	Randy Dade	
Title:	Production Reporting Mgr		Title:	District Supervisor	
Email Address:	dkuykendall@conchoresources.com		Approved Date:	9/18/2013	Expiration Date: 9/18/2015
Date:	9/16/2013 Phone: 432-683-7443		Conditions of Approval Attached		

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-102 August 1, 2011

Permit 166493

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-015-41669	96718	LOCO HILLS; GLORIETA-YESO
4. Property Code	5. Property Name	6. Well No.
40132	JUNIPER HARPER STATE COM	004H
7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3677

10. Surface Location

Tot during Education									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Р	16	178	30E	100000000000000000000000000000000000000	783	S	155	E	Eddy

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
M	16	178	30E	M	660	S	330	W	Eddy
12. Dedicated Ac			13. Joint or Infill		14. Consolidation Co	de		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

	38	
		0

OPERATOR CERTIFICATION

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.

Diane Kuykendall E-Signed By: Production Reporting Mgr Title:

9/16/2013 Date:

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.

Robert Howett Surveyed By: 3/13/2013 Date of Survey:

Certificate Number: 19680

Form APD Comments

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 Fax:(575) 393-0720

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) 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

Permit 166493

PERMIT COMMENTS

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-015-41669
One Concho Center	Well:
Midland, TX 79701	JUNIPER HARPER STATE COM #004H

Created By	Comment	Comment Date
kholly1	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	5/1/2013
kholly1	COG Operating LLC respectfully requests permission to drill this well with a closed loop system.	9/12/2013

<u>District I</u> 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) 476-3462

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

Permit 166493

Form APD Conditions

PERMIT	CONDI	TIONS OF	APPROVAL

Operator Name and Address:	API Number:		
COG OPERATING LLC [229137]	30-015-41669		
One Concho Center	Well:		
Midland, TX 79701	JUNIPER HARPER STATE COM #004H		

OCD Reviewer Condition