

**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) 476-3462

**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 144602

**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 39124		3. API Number 30-015-41662
5. Property Name TARPAN 33 FEE		6. Well No. 004H

**7. Surface Location**

UL - Lot N	Section 33	Township 18S	Range 26E	Lot Idn N	Feet From 150	N/S Line S	Feet From 2310	E/W Line W	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot F	Section 33	Township 18S	Range 26E	Lot Idn F	Feet From 1900	N/S Line N	Feet From 2310	E/W Line W	County Eddy
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**9. Pool Information**

PENASCO DRAW;SA-YESO (ASSOC)	50270
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3378
16. Multiple N	17. Proposed Depth 6129	18. Formation Yeso Formation	19. Contractor	20. Spud Date 11/30/2013
Depth to Ground water 110		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

☒ 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	11	8.625	32	1200	700	0
Prod	7.875	5.5	17	6129	800	0

**Casing/Cement Program: Additional Comments**

COG proposes to drill an 11" hole to 1200' w/fresh water, run 8-5/8" 32# J-55 and cement to surface. Drill a 7-7/8" hole to 2572' MD and kick off and drill curve to 3092' TVD 3412' MD. Drill a 7-7/8" lateral to new BHL @ 2979' TVD 6129' MD. Run a 5 1/2" 17# L-80 casing to TD cement to surface with 800 sacks.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.  Signature: Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@conchoresources.com Date: 9/16/2013	<b>OIL CONSERVATION DIVISION</b>  Approved By: Randy Dade Title: District Supervisor Approved Date: 9/16/2013 Expiration Date: 9/16/2015 Conditions of Approval Attached
Phone: 432-683-7443	

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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 144602

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-41662	2. Pool Code 50270	3. Pool Name PENASCO DRAW;SA-YESO (ASSOC)
4. Property Code 39124	5. Property Name TARPAN 33 FEE	6. Well No. 004H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3378

10. Surface Location

UL - Lot N	Section 33	Township 18S	Range 26E	Lot Idn	Feet From 150	N/S Line S	Feet From 2310	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot F	Section 33	Township 18S	Range 26E	Lot Idn F	Feet From 1900	N/S Line N	Feet From 2310	E/W Line W	County Eddy
12. Dedicated Acres 120.00	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 align="center"><b>OPERATOR CERTIFICATION</b></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: 9/16/2013</p>		
	<p align="center"><b>SURVEYOR CERTIFICATION</b></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: Ronald Eidson  Date of Survey: 7/15/2013  Certificate Number: 3239</p>		

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Form APD Comments  
  
 Permit 144602

**PERMIT COMMENTS**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-41662
		Well: TARPAN 33 FEE #004H
Created By	Comment	Comment Date
kconnally	H2S concentrations of wells in this area from surfact to TD are low enough that a contingency plan is not required.	2/20/2012
CSHAPARD	Land p/P	9/16/2013

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Form APD Conditions  
Permit 144602

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-41662
		Well: TARPAN 33 FEE #004H
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	