

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-4720

District II
811 S. First St., Artesia, NM 88210
Phone: (505) 746-1263 Fax: (505) 746-9770

District III
1000 Rio Branson Rd., Artesia, NM 88210
Phone: (505) 334-3178 Fax: (505) 334-3176

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 O-101
August 1, 2011
Permit 157742

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

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701		2. OGRID Number 229157
		3. API Number 50-015-38871 39514
4. Property Code 38514 38873	5. Property Name FALABELLA "31" FEE	6. Well No 007H

7. Surface Location

UL - Loc	Section	Township	Range	Loc ID	Feet From	N/S Line	Feet From	E/W Line	County
O	31	18S	26E	O	150	S	1700	E	EDDY

8. Pool Information

PENASCO DRAW/SA-YESO (ASSOC)	50276
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Additional Well Information

9. Well Type New Well	10. Well Type OIL	11. Casing/Rotary	12. Lease Type Private	13. Ground Level Elevation 3403
14. Multiple N	15. Proposed Depth 7405	16. Formation Yeso Formation	17. Contractor	18. Spud Date 10/31/2011
Depth to Ground water 110		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight #	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	825	600	0
Prod	8.75	5.5	17	7405	725	0

Casing/Cement Program: Additional Comments

COG proposes to drill 12-1/4" hole to 825' w/ fresh water, run 9 5/8" 36# J-55 and cement to surface. Drill 8 3/4" hole to 2273, and drill curve and lateral to new BHL @ TVD of 2750' and MD of 7405'. Run 7405' of 5 1/2" 17# L-80 casing and cement to surface.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCDD guidelines: ☒ a general permit ☐ or an (attached) alternative OCD-approved plan. Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@conchoresources.com Date: 10/13/2011 Phone: 462-683-7443	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 10/25/2011	Expiration Date: 10/25/2015
	Conditions of Approval Attached	

District I
1925 N. French Dr. Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
611 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos S.E., 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 O-102
August 1, 2011
Permit 137742

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 50-015-00877 39514	2. Foot Code 50270	3. Foot Name PENASCO DRAW, SA-YESO (ASSOC)
4. Property Code 39514 38873	5. Property Name FALABELLA "31" FEE	6. Well No. 007H
7. OGPID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 5403

10. Surface Location

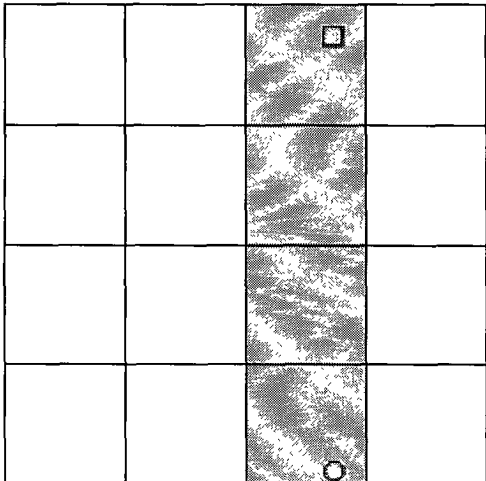
UL - Lot	Section	Township	Range	Lot 136	Feet From	N S Line	Feet From	E W Line	County
O	31	18S	26E		150	S	1700	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot 136	Feet From	N S Line	Feet From	E W Line	County
B	31	18S	26E	B	330	N	1700	E	EDDY

12. Dedicated Acres 160.00	13. Joint or Infill	14. Consolidation Code	15. Order No.
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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

	OPERATOR CERTIFICATION <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 undivided 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> E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 10/13/2011 SURVEYOR CERTIFICATION <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> Surveyed By: Gary Eldson Date of Survey: 9/8/2011 Certificate Number: 12641
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Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: FALABELLA "31" FEE #007H

API: 30-015-38873

OCD Reviewer	Condition
CSHAPARD	Will require administrative order for non-standard location.
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial casings 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.

Permit Comments

Operator: COG OPERATING LLC , 229137

Well: FALABELLA "31" FEE #007H

API: 30-015-38873

Created By	Comment	Comment Date
Wallyt	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required	6/21/2011
CEHAFARD	Land p/F	10/24/2011

6/18/12

Original online permit reflected API 30-015-38873
w/ property code 39514. These documents have
been deleted and corrected to API 30-015-39514
w/ property code 38873.

JS