

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

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 229137
		3. API Number 30-025-38079
4. Property Code 35957	5. Property Name WEST PEARL "36" STATE	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	36	19S	34E	F	1980	N	1740	W	LEA

8. Pool Information

Wildcat Morrow (gas)	0
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3716
14. Multiple N	15. Proposed Depth 13800	16. Formation Morrow	17. Contractor	18. Spud Date 9/1/2006
Depth to Ground water 75		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

Pit: Liner: Synthetic ☒ 12 _____ mils thick Clay ☐ Pit Volume: 30000 _____ bbls Drilling Method:
 Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	600	500	0
Int1	12.25	9.625	40	5300	1200	0
Prod	8.75	5.5	20	13800	1000	5000

Casing/Cement Program: Additional Comments

Run ? jts 13-3/8 48# J55 set @ 600'. Cmt w/300sx C + add. Tail w/200sx C. Circ cmt to surf. Run ? jts 9-5/8 403 HCK55 & J55 set @ 5300'. Cmt w/1000sx C + add. Tail w/200sx C + add. Circ to surf. Run ? jts 5-1/2 20# P110 set @ 13,800'. Cmt w/500sx H + add. Tail w/500sx H + add. Est TOC @ 8000'.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1250	
DoubleRam	5000	5000	
Annular	5000	3000	

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 NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Diane Kuykendall	Approved By: Paul Kautz	
Title: Regulatory Analyst	Title: Geologist	
Email Address: dkuykendall@conchoresources.com	Approved Date: 8/21/2006	Expiration Date: 8/21/2007
Date: 8/21/2006	Phone: 432-685-4372	Conditions of Approval Attached

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 92063	Pool Name LEA; PENN(GAS)
Property Code	Property Name WEST PEARL "36" STATE	Well Number 1
OGRID No. 229137	Operator Name COG OPERATING, L.L.C.	Elevation 3716'

Surface Location

UL or lot No. F	Section 36	Township 19 S	Range 34 E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 1740	East/West line WEST	County LEA
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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
Dedicated Acres 320	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>OPERATOR CERTIFICATION</p> <p>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 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.</p> <p><i>Phyllis A. Edwards</i> 8-18-06 Signature Date</p> <p>PHYLLIS A. EDWARDS Printed Name</p>
	<p>SURVEYOR CERTIFICATION</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>JULY 24, 2006 Date Surveyed</p> <p>Signature & Seal of GARY L. JONES Professional Surveyor</p> <p>Certificate No. 6980 Professional Land Surveyor</p>

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: WEST PEARL "36" STATE #001

API: 30-025-38079

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	prior to any pit construction notify Gary Wink at 505-393-6161 ext 114
pkautz	This well is within 1 mile of the Lea;Delaware Pool, cement on production must be brought up to 5000 feet on the production string.