### State of New Mexico

#### Form C-101 Permit 125248

## 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

CIMAREX ENER	r Name and Address GY CO. OF COLORADO	2. OGRID Number 162683	
600 N. Marienfeld St		3. API Number	
Midland, TX 79701		30-015-38397	
4. Property Code	5. Property Name	6. Well No.	
38428	MAYARO 22 STATE	016	

#### 7. Surface Location

	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
1	I	22	17S	28E	I	2310	S	810	E	EDDY

#### 8. Pool Information

EMPIRE; GLORIETA-YESO 96210

#### Additional Well Information

	901	110	divioudi ", chi imiorn	III VIVI		
9. Work Type New Well	10. Wett Ty OIL	ype	11. Cable/Rotary		13. Ground Level Elevation 3583	
14. Multiple 15. Proposed Depth N 5047		100000000000000000000000000000000000000	16. Formation 17. Contractor Blinebry		18. Spud Date 2/15/2011	
Depth to Ground	water	I	Distance from nearest fresh wate	r well	Distance to nearest surface water	
Liner: Synthetic Closed Loop Syste		ls thick Clay	Pit Volume: bbl	s Drilling Method: Fresh Water X Brine D	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	12.25	8.625	24	400	1100	0
Prod	7.875	5.5	17	5047	1300	0

Casing/Cement Program: Additional Comments

Complete drilling plan, along with C-102, C-144, and preliminary directional plan, to be emailed to OCD.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

I hereby certify that the information gi of my knowledge and belief. I further certify that the drilling pi	ven above is true and complete to the best t will be constructed according to	OIL CONSERVATION DIVISION		
	ermit , or an (attached) alternative	Approved By: Randy Dade		
Printed Name: Electronically fi	ed by Zeno Farris	Title: District Supervisor		
Title: Manager Operations Adr	ninistration	Approved Date: 1/7/2011	Expiration Date: 1/7/2013	
Email Address: zfarris@cimare	x.com		* 3 77 1	
Date: 1/4/2011 Phone: 432-620-1936		Conditions of Approval Attached		

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 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

Permit 125248

Form C-102

# Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. I	Pool Name	
30-015-38397	96210 EMPIRE; G		LORIETA-YESO	
4. Property Code	5. Property Name		6. Well No.	
38428	MAYARO 22 STATE		016	
7. OGRID No.	8. Operator	8. Operator Name		
162683	CIMAREX ENERGY CO. OF COLORADO 3583			

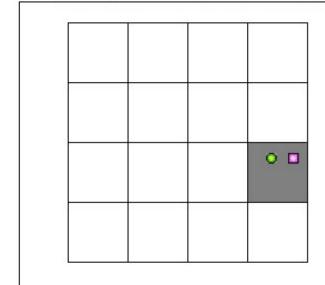
#### 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	22	17S	28E		2310	S	810	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
	22	17S	28E	I	2310	S	330	E	EDDY
V. 100 100 100 100 100 100 100 100 100 10	cated Acres	13. J	oint 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



#### 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.

E-Signed By: Zeno Farris

Title: Manager Operations Administration

Date: 1/4/2011

#### 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.

Surveyed By: Gary L. Jones Date of Survey: 10/8/2010 Certificate Number: 7977

# **Permit Comments**

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: MAYARO 22 STATE #016

API: 30-015-38397

Created By	Comment	Comment Date	
Artesia	Land P/S	1/5/2011	

# Permit Conditions of Approval Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: MAYARO 22 STATE #016

API: 30-015-38397

OCD Reviewer	Condition
Artesia	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