

District II

1301 W. Grand Ave., Artesia, NM 88210  
Phone (505) 748-1283 Fax (505) 748-9720

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

Form C-101  
Permit 116349

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

1 Operator Name and Address CIMAREX ENERGY CO. OF COLORADO 15 E 5TH STREET TULSA, OK 74103		2 OGRID Number 162683
		3 API Number 30-015-16268 <b>37943</b>
4 Property Code 38144	5. Property Name SPIKETAIL 5 STATE	6 Well No 007

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	5	17S	29E	P	530	S	330	E	EDDY

**8. Pool Information**

EMPIRE; GLORIETA-YESO	96210
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**Additional Well Information**

9 Work Type New Well	10 Well Type OIL	11 Cable/Rotary	12. Lease Type State	13 Ground Level Elevation 3608
14 Multiple N	15 Proposed Depth 6000	16. Formation Paddock	17 Contractor	18 Spud Date 6/15/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit Liner Synthetic <input type="checkbox"/> Closed Loop System <input type="checkbox"/>	mils thick	Clay <input type="checkbox"/>	Pit Volume	bbbls
		Drilling Method Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	16	11.75	42	450	530	0
Intl	11	8.625	24	1100	500	0
Prod	7.875	5.5	15.5	6000	1330	900

**Casing/Cement Program: Additional Comments**

All mud, casing, cement, and BOP details will be emailed to Artesia OCD.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

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 type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/>	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 6/24/2010	Expiration Date: 6/24/2012
Printed Name: Electronically filed by Zeno Farris		
Title: Manager Operations Administration		
Email Address: zfarris@magnumhunter.com		
Date: 6/23/2010	Phone: 972-443-6489	Conditions of Approval Attached

District I

1625 N French Dr , Hobbs, NM 88240

District II

1301 W Grand Ave , 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**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 116349

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number 30-015-16268	2. Pool Code 96210	3 Pool Name EMPIRE; GLORIETA-YESO
4 Property Code 38144	5 Property Name SPIKETAIL 5 STATE	6 Well No 007
7 OGRID No. 162683	8 Operator Name CIMAREX ENERGY CO. OF COLORADO	9 Elevation 3608

**10. Surface Location**

UL - Lot P	Section 5	Township 17S	Range 29E	Lot Idn	Feet From 530	N/S Line S	Feet From 330	E/W Line E	County EDDY
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**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
12 Dedicated Acres 40.00		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**

	<b>OPERATOR CERTIFICATION</b>	
	<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>	
	E-Signed By: Zeno Farris Title: Manager Operations Administration Date: 6/23/2010	
	<b>SURVEYOR CERTIFICATION</b>	
<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 L. Jones Date of Survey: 6/11/2010 Certificate Number: 7977		

## Permit Conditions of Approval

**Operator:** CIMAREX ENERGY CO. OF COLORADO , 162683

**Well:** SPIKETAIL 5 STATE #007

**API:** 30-015-16268

OCD Reviewer	Condition
pkautz	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

## **Permit Comments**

**Operator: CIMAREX ENERGY CO. OF COLORADO , 162683**

**Well: SPIKETAIL 5 STATE #007**

**API:**

**There are no comments for this permit**