

**District I**

1625 N French Dr, Hobbs, NM 88240  
Phone (575) 393-6161 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 116349

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

1 Operator Name and Address CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld St Midland, TX 79701		2. OGRID Number 162683
		3 API Number <del>30-015-16268</del> 37943
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

**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.
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**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
	Conditions of Approval Attached	

Printed Name: Electronically filed by Zeno Farris
Title: Manager Operations Administration
Email Address: zfarris@magnumhunter.com
Date: 6/23/2010   Phone: 972-443-6489