

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 CIMAREX ENERGY CO. OF COLORADO 15 E 5TH STREET TULSA, OK 74103		2. OGRID Number 162683
4. Property Code RM 3807-38007		3. API Number 30-015-37536
5. Property Name CASTOR 2 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
M	2	17S	30E	M	330	S	860	W	EDDY

8. Pool Information

LOCO HILLS; GLORIETA-YESO	96718
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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 3732
14. Multiple N	15. Proposed Depth 6000	16. Formation Blinberry	17. Contractor	18. Spud Date 2/15/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit Liner: Synthetic <input type="checkbox"/> miles thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> 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	14.75	11.75	42	450	530	0
Int1	11	8.625	24	1100	500	0
Prod	7.875	5.5	15.5	6000	1330	900

Casing/Cement Program: Additional Comments

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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 NMOC guidelines <input 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 Zeno Farris	Approved By: Jacqueta Reeves	
Title: Manager Operations Administration	Title: District Geologist	
Email Address: zfarris@magnumhunter.com	Approved Date: 2/2/2010	Expiration Date: 2/2/2012
Date: 1/12/2010	Phone: 972-443-6489	

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

Form C-102
 Permit 107692

Energy, Minerals and Natural Resources

Oil Conservation Division

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Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-37536	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code <i>PM</i> 3807 38007	5. Property Name CASTOR 2 STATE	6. Well No 001
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3732

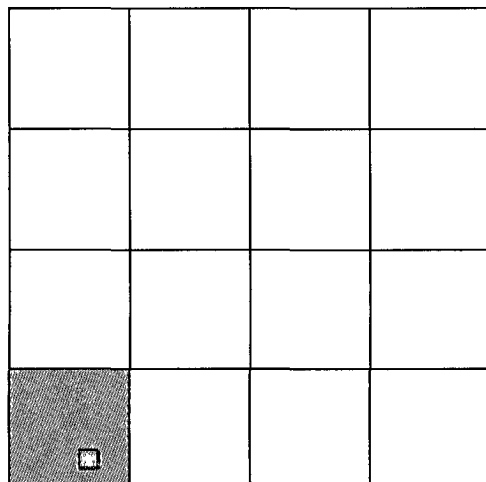
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	2	17S	30E		330	S	860	W	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
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



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: 1/12/2010

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: 12/30/2009

Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: CASTOR 2 STATE #001

API: 30-015-37536

Created By	Comment	Comment Date
NKRUEGER	Well was proposed to partners on 11-13-09. We are entering into an operating agreement with partners and will drill and complete the Castor 2 State No. 1 well	1/12/2010