

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
		3. API Number 30-015-37719
4. Property Code 21733	5. Property Name STATE 14 COM	6. Well No. 003

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	14	19S	29E	C	375	N	2120	W	EDDY

8. Pool Information

TURKEY TRACK;BONE SPRING	60660
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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 3377
14. Multiple N	15. Proposed Depth 12437	16. Formation Bone Spring	17. Contractor	18. Spud Date 1/15/2009
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls 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	17.5	13.375	48	350	400	0
Int1	12.25	9.625	40	2500	700	0
Prod	8.75	7	26	7690	700	0
Liner1	6.125	4.5	11.6	12437	0	
Prod	8.75	2.875	2.18	8200	700	2300

Casing/Cement Program: Additional Comments

After setting intermediate casing, drill 8.75" hole to TD. Run 7" casing to 7690' and 2.875" fiberglass tubing to 8200' and cement. Use fiberglass and cement to kick off lateral at 7750' and drill to horizontal TD of 12437'. Run 4.5" PEAK completion liner from 8100' to 12437' which requires no cement.

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"/> .	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: 4/1/2010 Expiration Date: 4/1/2012
Date: 3/26/2010 Phone: 972-443-6489	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

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Form C-102
 Permit 107284

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-37719	2. Pool Code 60660	3. Pool Name TURKEY TRACK;BONE SPRING
4. Property Code 21733	5. Property Name STATE 14 COM	6. Well No. 003
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3377

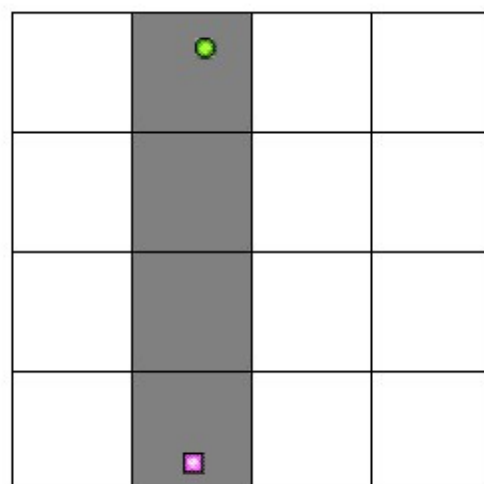
10. Surface Location

UL - Lot C	Section 14	Township 19S	Range 29E	Lot Idn	Feet From 375	N/S Line N	Feet From 2120	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot N	Section 14	Township 19S	Range 29E	Lot Idn N	Feet From 330	N/S Line S	Feet From 1980	E/W Line W	County EDDY
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code Communitization		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: 3/26/2010

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: 12/18/2009
 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: STATE 14 COM #003

API: 30-015-37719

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, mud/casing/cement/BOP details, and H2S statement will all be emailed to Kimberly Wilson.	12/29/2009
NKRUEGER	SHL in NENW is outside the boundary of the R-111-P known Potash leasing area.	12/29/2009
JVREEVES	Denied due to location being in the LMR Buffer Zone.	2/26/2010
NKRUEGER	Intrepid no-objection letter emailed to Jacqui Reeves.	3/26/2010
JVREEVES		4/1/2010
JVREEVES	BOP test must be performed by 3rd party, per district supervisor	4/1/2010

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: STATE 14 COM #003

API: 30-015-37719

OCD Reviewer	Condition
JVREEVES	BOP test must be performed by a 3rd party, per district supervisor