

**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 30-015-38039
4. Property Code 38256	5. Property Name PARKWAY 17 STATE	6. Well No. 004H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	17	19S	29E	M	660	S	375	W	EDDY

**8. Pool Information**

SCANLON DRAW;BONE SPRING	55510
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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 3367
14. Multiple N	15. Proposed Depth 12329	16. Formation Bone Spring	17. Contractor	18. Spud Date 8/15/2010
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	250	310	0
Int1	12.25	9.625	40	2500	700	0
Prod	8.75	7	26	7546	700	2300
Liner1	6.125	4.5	11.6	12329	0	
Prod	8.75	2.875	2.18	8100	0	

**Casing/Cement Program: Additional Comments**

Drill pilot hole to 8100. Set 7" to 7546 and then fiberglass tubing from 7546 to 8100. Cement to 2300' and kick off 6.125" hole @ 7606. Drill to TD @ 12329 and put in PEAK completion liner from TOL @ 7446 to TD. No cement required on PEAK liner.

**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: 7/29/2010	Expiration Date: 7/29/2012
	Conditions of Approval Attached	

Printed Name: Electronically filed by Zeno Farris

Title: Manager Operations Administration

Email Address: zfarris@magnumhunter.com

Date: 7/23/2010

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

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Form C-102  
Permit 117844

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-38039	2. Pool Code 55510	3. Pool Name SCANLON DRAW;BONE SPRING
4. Property Code 38256	5. Property Name PARKWAY 17 STATE	6. Well No. 004H
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3367

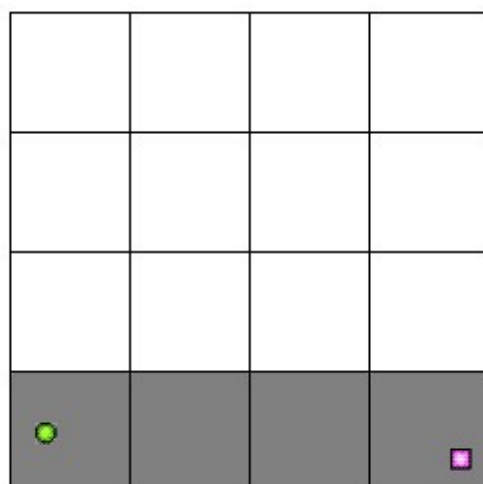
**10. Surface Location**

UL - Lot M	Section 17	Township 19S	Range 29E	Lot Idn	Feet From 660	N/S Line S	Feet From 375	E/W Line W	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot P	Section 17	Township 19S	Range 29E	Lot Idn P	Feet From 375	N/S Line S	Feet From 330	E/W Line E	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: 7/23/2010

**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: 4/7/2010  
Certificate Number: 7977

## Permit Comments

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

**Well:** PARKWAY 17 STATE #004H

**API:** 30-015-38039

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, H2S statement, and preliminary directional survey to be emailed to Artesia OCD.	7/23/2010

# Permit Conditions of Approval

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

**Well:** PARKWAY 17 STATE #004H

**API:** 30-015-38039

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