

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 30-015-37504
4. Property Code 21728	5. Property Name PARKWAY STATE COM	6. Well No. 004

7. Surface Location

UL - Lot O	Section 15	Township 19S	Range 29E	Lot Idn O	Feet From 330	N/S Line S	Feet From 1650	E/W Line E	County EDDY
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8. Pool Information

UNDESIGNATED BONE SPRING	0
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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 3311
14. Multiple N	15. Proposed Depth 12488	16. Formation Bone Spring	17. Contractor	18. Spud Date 2/15/2009
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:	bbls 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	17.5	13.375	48	260	310	0
Int1	12.25	9.625	40	2500	700	0
Prod	8.75	7	26	7680	700	2300
Liner1	6.125	4.5	11.6	12488	0	
Prod	8.75	2.875	2.18	8100	0	

Casing/Cement Program: Additional Comments

Drill pilot hole to 8100.' Set 7" to 7680' and then fiberglass tubing from 7680' to 8100.' Cement to 2300' and kick off 6.125" hole @ 7740.' Drill to TD @ 12488' and put in PEAK completion liner from TOL @ 7580' 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"/> .	OIL CONSERVATION DIVISION	
	Approved By: Jacqueta Reeves	
Printed Name: Electronically filed by Zeno Farris	Title: District Geologist	
Title: Manager Operations Administration	Approved Date: 1/19/2010	Expiration Date: 1/19/2012
Email Address: zfarris@magnumhunter.com		
Date: 1/7/2010	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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 107512

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-37504	2. Pool Code	3. Pool Name UNDESIGNATED BONE SPRING
4. Property Code 21728	5. Property Name PARKWAY STATE COM	6. Well No. 004
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3311

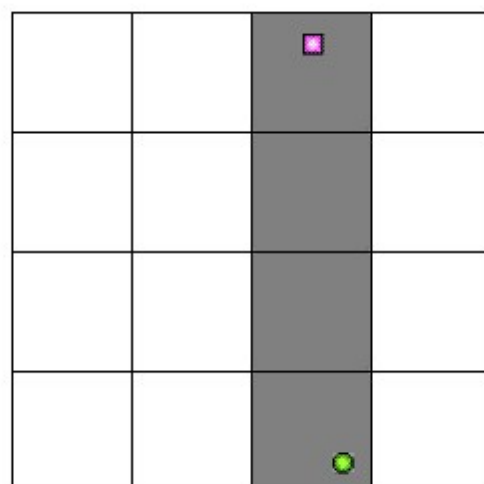
10. Surface Location

UL - Lot O	Section 15	Township 19S	Range 29E	Lot Idn	Feet From 330	N/S Line S	Feet From 1650	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

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UL - Lot B	Section 15	Township 19S	Range 29E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1980	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: 1/7/2010

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: PARKWAY STATE COM #004

API: 30-015-37504

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, mud/casing/cement/BOP plan, preliminary directional plan, and H2S statement will all be emailed to Jacqui Reeves.	1/7/2010