

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 139722

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 30-025-40565
4. Property Code 38816	5. Property Name ADAMS STATE COM	6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	6	21S	33E	K	2310	S	1980	W	LEA

8. Pool Information

WILDCAT;BONE SPRING	96403
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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 3801
14. Multiple N	15. Proposed Depth 18635	16. Formation Bone Spring	17. Contractor	18. Spud Date 11/30/2011
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	17.5	13.375	48	1500	1455	0
Int1	12.25	9.625	40	4250	1585	0
Prod	8.75	7	26	17552	990	0
Liner1	6.125	4.5	17	18635	640	0

Casing/Cement Program: Additional Comments

After setting surface and intermediate casing, drill 8.75" hole to KOP 11200' and kickoff and drill 8.75" lateral to 11669' TVD/17552 MD & set 7" csg, drill 6.125" hole to TD 11700' TVD/18635' MD & set 4.5" liner from 11000-18635'.

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 ☐ , a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ . Printed Name: Electronically filed by Zeno Farris Title: Manager Operations Administration Email Address: zfarris@cimarex.com Date: 11/7/2011	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 5/18/2012	Expiration Date: 5/18/2014
	Conditions of Approval Attached	

SURFACE LOCATION

Lot - N 32°30'25.30"
Long - W 103°36'48.31"
NMSPC#- N 648936.9
E 763287.7
(NAD-83)

PROPOSED BOTTOM HOLE LOCATION

Lot - N 32°29'15.46"
Long - W 103°36'48.32"
NMSPC#- N 641676.7
E 763316.4
(NAD-83)

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 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.

Signature: *Terry Stathem* Date: *11/7/11*

Printed Name: Terry Stathem
tstathem@cimarex.com

Email Address:

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.

SEPTEMBER 1, 2011
GARY L. JONES
STATE OF NEW MEXICO
Professional Surveyor
W. H. Harrison, Jr.
Certificate No. Gary L. Jones 7977

BASIN SURVEYS 25202

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: ADAMS STATE COM #002H

API: 30-025-40565

Created By	Comment	Comment Date
stathemtd	Well is located outside the LMR & outside the buffer. There are no potash leases in the area.	11/7/2011
stathemtd	BOP Diagram sent to D. Mull via email.	11/7/2011
stathemtd	C144 CLEZ sent to D. Mull via email.	11/7/2011
stathemtd	Prelim directional survey sent to D. Mull via email.	11/7/2011
pkautz	Land s/S	11/8/2011
pkautz	POTASH AREA OCD required by R-111-p to obtain verification from BLM & SLO concerning LMR & Buffer zone prior to approval of APD	11/8/2011
pkautz	Letters sent to BLM & SLO on 11/08/2011	11/8/2011
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-04575	5/11/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT #P1-04575	5/18/2012

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: ADAMS STATE COM #002H

API: 30-025-40565

OCD Reviewer	Condition
pkautz	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
pkautz	R-111p order requires that the sal protection string be set between 100 and 600' below base of salt est base salt @ 3650