

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720
District II
811 S. First St., 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-101
August 1, 2011
Permit 144638

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address CIMAREX ENERGY CO. 600 N MARIENFELD STREET MIDLAND, TX 79701		2. OGRID Number 215099
		3. API Number 30-015-39967
4. Property Code 39082	5. Property Name COTTONWOOD HILLS 32 STATE COM	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	32	25S	27E	M	500	S	740	W	EDDY

8. Pool Information

WILDCAT; WOLFCAMP, (GAS)	97489
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3240
14. Multiple N	15. Proposed Depth 13949	16. Formation Wolfcamp	17. Contractor	18. Spud Date 2/23/2012
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	475	490	0
Int1	12.25	9.625	40	2050	580	0
Prod	8.75	7	26	9536	1790	0
Liner1	6.125	4.5	11.6	13949	470	

Casing/Cement Program: Additional Comments

TD: 13949' MD/ 9923' TVD. Set surface & intermediate csgs. Drill 8-3/4" pilot hole to 10500' & log. Pump 275 sx Halcem H cmt plug and KO 6-1/8" lateral @ 9637. Drill to TD.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	cameron

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 GENE A HOLLOWAY Title: Email Address: gholloway@cimarex.com Date: 2/21/2012	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 2/21/2012	Expiration Date: 2/21/2014
	Phone: 918-295-1658 Conditions of Approval Attached	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 893-8161 Fax (505) 893-8720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 748-1263 Fax (505) 748-8720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 834-8116 Fax (505) 834-8170

DISTRICT IV
1820 S. St. Francis Dr., Santa Fe, NM 87605
Phone (505) 476-9160 Fax (505) 476-5108

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 96890	Pool Name Sage Draw; Wolfcamp, East (G)
Property Code	Property Name COTTONWOOD HILLS 32 STATE COM	Well Number 1
OPRD No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3240'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	25 S	27 E		500	SOUTH	740	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	25 S	27 E		660	NORTH	700	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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

	PROPOSED BOTTOM HOLE LOCATION Lat - N 32°05'30.45" Long - W 104°13'08.54" NMSPCE- N 397149.9 E 576904.0 (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. Date: 8/21/12 Signature: <i>[Signature]</i> Name: Terri Stathem Printed Name: tstathem@cimarex.com Email Address:
	SURFACE LOCATION Lat - N 32°04'09.40" Long - W 104°13'08.81" NMSPCE- N 393001.3 E 576885.7 (NAD-83)	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. Date: 8/21/12 Signature & Seal of Professional Surveyor: <i>[Signature]</i> Certificate No. Gary L. Jones 7977 BASIN SURVEYS 26243

Permit Comments

Operator: CIMAREX ENERGY CO. , 215099

Well: COTTONWOOD HILLS 32 STATE COM #001

API: 30-015-39967

Created By	Comment	Comment Date
CSHAPARD	Land f/S	2/21/2012

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. , 215099

Well: COTTONWOOD HILLS 32 STATE COM #001

API: 30-015-39967

OCD Reviewer	Condition
CSHAPARD	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