

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
Revised July 18, 2013
Permit 171578

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
4. Property Code 39082		3. API Number 30-015-41602
5. Property Name COTTONWOOD HILLS 32 STATE COM		6. Well No. 004

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	32	25S	27E	O	330	S	1980	E	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	32	25S	27E	B	330	N	1980	E	Eddy

9. Pool Information

WILDCAT G-03 S252636M;BONE SPRING	97818
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3210
16. Multiple N	17. Proposed Depth 11971	18. Formation Bone Spring	19. Contractor	20. Spud Date 11/25/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. 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	340	0
Int1	12.25	9.625	36	2040	590	0
Prod	8.75	5.5	17	11971	2033	1534

Casing/Cement Program: Additional Comments

Drill pilot hole to 8250' and log. Set OH whipstock with 1150' of 2 7/8" tubing and pump 30 bbls Mudpush @ 12 ppg, followed by 540 sx of Class H cement, dispersant 0.080 gals/sk, retarder 0.045 gals/sk @ 17.5 ppg, 0.94 cu ft/sk and 0% excess from pilot hole TD to KOP. KO lateral drill through the curve to TD. Run 5 1/2" casing to TD and cement.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	Cameron
DoubleRam	3000	3000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable. Signature: _____ Printed Name: Electronically filed by GENE A HOLLOWAY Title: Prod Admin Supervisor Email Address: gholloway@cimarex.com Date: 8/13/2013	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 8/16/2013 Expiration Date: 8/16/2015 Conditions of Approval Attached
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DISTRICT I1025 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8181 Fax: (505) 393-8720**DISTRICT II**811 S. First St., Artesia, NM 88210
Phone (505) 740-1209 Fax: (505) 740-0720**DISTRICT III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-8178 Fax: (505) 334-8170**DISTRICT IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 470-5400 Fax: (505) 470-5400State 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 30-015-	Pool Code 97818	Pool Name Wildcat G-03 S252636M; Bone Spring
Property Code 39082	Property Name COTTONWOOD HILLS 32 STATE COM	Well Number 4H
GRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3210

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	25 S	27 E		330	SOUTH	1980	EAST	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
B	32	25 S	27 E		330	NORTH	1980	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

N: 397807.71 E: 576211.75 NAD 83 N: 398153.49 E: 576181.32 NAD 83 N: 392500.33 E: 576137.39 NAD 83	N: 397815.20 E: 578881.20 NAD 83 N: 397810.51 E: 581549.61 NAD 83 N: 395159.45 E: 581496.44 NAD 83 N: 392504.25 E: 578787.57 NAD 83	1980' PROPOSED BOTTOM HOLE LOCATION Lat - N 32°05'33.73" Long - W 104°12'35.62" NAD83 - N 397484.1 E 579563.4 (NAD-83) 4650.6' 3221.4' 3208.3' 10.3' 330' 3196' SURFACE LOCATION Lat - N 32°04'47.72" Long - W 104°12'36.78" NAD83 - N 392835.5 E 578468.6 (NAD-83) 1980'	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 this division. <i>Michelle Chappell</i> 08/12/2013 Signature Date Michelle Chappell Printed Name mchappell@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 are true and correct to the best of my belief. <i>Gary L. Jones</i> Date Received Signature of Professional Land Surveyor W.O. No. 28499 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 28499
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Permit Comments

Operator: CIMAREX ENERGY CO. , 215099

Well: COTTONWOOD HILLS 32 STATE COM #004

API: 30-015-41602

Created By	Comment	Comment Date
CSHAPARD	Land f/S	8/14/2013

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. , 215099

Well: COTTONWOOD HILLS 32 STATE COM #004

API: 30-015-41602

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