

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 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 181003

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

1. Operator Name and Address CIMAREX ENERGY CO. OF COLORADO 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103		2. OGRID Number 162683
		3. API Number 30-025-41660
4. Property Code 300545	5. Property Name RED HILLS UNIT	6. Well No. 010H

7. Surface Location

UL - Lot D	Section 32	Township 25S	Range 33E	Lot Idn	Feet From 160	N/S Line N	Feet From 1300	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot M	Section 32	Township 25S	Range 33E	Lot Idn M	Feet From 330	N/S Line S	Feet From 440	E/W Line W	County Lea
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9. Pool Information

WC-025 G-06 S253329D;UPPER BONE SPR	97994
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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 3403
16. Multiple N	17. Proposed Depth 14540	18. Formation Bone Spring	19. Contractor	20. Spud Date 3/1/2014
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 Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1045	800	0
Int1	12.25	9.625	40	4925	1430	0
Prod	8.75	5.5	17	14540	2024	4725

Casing/Cement Program: Additional Comments

After setting surface casing & intermediate casing, drill 8-3/4 hole to KOP @ 9398 & KO drilling 8-3/4 lateral to TD @ 14540 MD, 9875 TVD. Run 5-1/2 csg from 0-TD & cement.
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	Cameran
Double Ram	3000	3000	Cameran

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 TERRI STATHEM Title: Coord. Regulatory Compl Email Address: tstathem@cimarex.com Date: 2/5/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 2/14/2014 Expiration Date: 2/14/2016 Conditions of Approval Attached
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611 S. First St., Artesia, NM 88210
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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 891-6176 Fax: (505) 891-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3480 Fax: (505) 476-3482

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 30-025-	Pool Code	Pool Name Bone Spring Wildcat
Property Code	Property Name RED HILLS UNIT	Well Number 11H
OGRID No. 162683	Operator Name CIMAREX ENERGY CO.	Elevation 3403'

Surface Location

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	33 E		160	NORTH	1320	WEST	LEA

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
M	32	25 S	33 E		330	SOUTH	1320	WEST	LEA
Dedicated Acres 160	Joint or Infill	Consolidation Code	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

SURFACE LOCATION Lot - N 32°05'37.99" Long - W 103°35'54.97" NMSPC - N 398665.3 E 768869.1 (NAD-83) PROPOSED BOTTOM HOLE LOCATION Lot - N 32°04'50.57" Long - W 103°35'54.99" NMSPC - N 393873.3 E 768900.3 (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. <i>Paula Brunson</i> 1/22/2014 Signature Date Paula Brunson Printed Name pbrunson@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. NOVEMBER 12 2013 Date Surveyed Signature of Professional Surveyor Certificate No. 7977 BASIN SURVEYS 0' 500' 1000' 1500' 2000' SCALE: 1" = 1000' WO Num.: 29684

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Form APD Comments

Permit 181003

PERMIT COMMENTS

Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO [162683] 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103	API Number: 30-025-41660
	Well: RED HILLS UNIT #010H

Created By	Comment	Comment Date
pkautz	Land s/S	2/5/2014

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Form APD Conditions

Permit 181003

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO [162683] 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103	API Number: 30-025-41660
	Well: RED HILLS UNIT #010H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	Will require administrative order for non-standard spacing unit
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	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water