

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170
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 191569

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 313629		3. API Number 30-025-42078
5. Property Name JAMES STATE		6. Well No. 042H

7. Surface Location

UL - Lot	B	Section	32	Township	23S	Range	32E	Lot Idn	Feet From	330	N/S Line	N	Feet From	1650	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	O	Section	32	Township	23S	Range	32E	Lot Idn	O	Feet From	330	N/S Line	S	Feet From	1320	E/W Line	E	County	Lea
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9. Pool Information

SAND DUNES;BONE SPRING, SOUTH	53805
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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 3673
16. Multiple N	17. Proposed Depth 13822	18. Formation Bone Spring	19. Contractor	20. Spud Date 9/22/2014
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	1250	768	0
Int1	12.25	9.625	36	4780	1132	0
Prod	8.75	5.5	17	13822	1201	4580

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	Cameron
Double Ram	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by GENE A HOLLOWAY Title: Prod Admin Supervisor Email Address: gholloway@cimarex.com Date: 8/27/2014	Approved By: Paul Kautz Title: Geologist Approved Date: 8/27/2014 Expiration Date: 8/27/2016 Conditions of Approval Attached

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511 S. First St., Artesia, NM 88210
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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 394-6178 Fax: (505) 394-0170

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 Wildcat; Bone Spring
Property Code	Property Name JAMES STATE	Well Number 42 H
GRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3673'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	23 S	32 E		330	NORTH	1650	EAST	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
O	32	23 S	32 E		330	SOUTH	1320	EAST	LEA

Dedicated Acres 200	Joint or Infill	Consolidation Code	Order No. NSL Pending
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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

N: 461886.6 E: 735489.8 (NAD-83)	N: 461920.3 E: 738125.3 (NAD-83)	N: 461843.0 E: 740782.3 (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 here before entered by the division. <i>Aricka Easterling</i> Signature 8/27/14 Date Aricka Easterling Printed Name aeasterling@cimarex.com Email Address
N: 459254.1 E: 735507.1 (NAD-83)	N: 459312.1 E: 740778.8 (NAD-83)	N: 459312.1 E: 740778.8 (NAD-83)	
SURFACE LOCATION Lat - N 32°16'02.54" Long - W 103°41'36.53" NMSPCE- N 461598.9 E 739114.7 (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 Surveyed 8/27/2013 Signature <i>[Signature]</i> Professional Surveyor 7977 Certified Aricka Easterling 7977 Bureau of Land Management
PROPOSED BOTTOM HOLE LOCATION Lat - N 32°15'17.11" Long - W 103°41'32.67" NMSPCE- N 457010.8 E 739473.6 (NAD-83)			
N: 456613.8 E: 735517.5 (NAD-83)	N: 456634.5 E: 738155.9 (NAD-83)	N: 456681.1 E: 740785.3 (NAD-83)	SCALE: 1" = 1000' WO Num.: 29282

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Form APD Comments

Permit 191569

PERMIT COMMENTS

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-42078
	Well: JAMES STATE #042H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 191569

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-42078
	Well: JAMES STATE #042H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Will require a administrative order for non-standard location prior to placing the well on production.
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1) SURFACE & INTERNEMIATE 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
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement