

District I
1625 N. French Dr., Hobbs, NM 87401
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 749-1263 Fax: (575) 749-0720
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: 213286

☒ Amended

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 313630		3. API Number 30-015-43500
5. Property Name JAKE 36 STATE		6. Well No. 005

7. Surface Location																		
UL - Lot	M	Section	36	Township	24S	Range	26E	Lot Idn	Feet From	330	N/S Line	S	Feet From	860	E/W Line	W	County	Eddy

8. Proposed Bottom Hole Location																			
UL - Lot	D	Section	36	Township	24S	Range	26E	Lot Idn	D	Feet From	330	N/S Line	N	Feet From	660	E/W Line	W	County	Eddy

9. Pool Information	
WILDCAT;BONE SPRING	56403

Additional Well Information				
11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3367
16. Multiple N	17. Proposed Depth 11677	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 4/1/2016
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	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	450	312	0
Int1	12.25	9.625	36	1950	482	0
Prod	8.75	5.5	17	11677	1724	1750

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	2000	Cameron
Annular	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.		OIL CONSERVATION DIVISION	
Signature: <i>Aricka Eastling</i>		Approved By: Randy Dade	
Printed Name: Electronically filed by Geneva A Holloway		Title: District Supervisor	
Title: Prod Admin Supervisor Reg. Analyst		Approved Date: 12/17/2015	
Email Address: gholloway@cimarex.com		Expiration Date: 12/17/2017	
Date: 12/15/2015		Conditions of Approval Attached	

12/17/15 918-560-7060

Approved RD 12/17/2015