State of New Mexico

Form C-101 Permit 37153

Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

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

2MTDIC2MIONTON	AT DICATION FOR TERMIT TO DRILE, RE-ENTER, DELI EN, TEODERCK, OR ADD A BONE						
1.	Operator Name and Address	2. OGRID Number					
CII	215099						
	15 EAST 5TH STREET TULSA , OK 74103						
4. Property Code	5. Property Name	6. Well No.					
36034	REDCLOUD	001					

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	13	15S	37E	N	380	S	1710	W	LEA

8. Pool Information

WOLFCAMP 17290

Additional Well Information

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9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3771
14. Mültiple N	15. Proposed Depth	16. Formation Wolfcamp	17. Contractor	18. Spud Date 12/1/2006
Depth to Ground 48	water	Distance from nearest fresh water v	well .	Distance to nearest surface water
it: Liner: Synthetic Closed Loop Syste	mils thick		Drilling Method: Fresh Water Brine I	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

					_	
Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	42	600	980	0
Int1	10.625	8.625	32	4750	750	0
Prod	7.875	5.5	26	11580	640	7000
Liner1	6.125	2.875	11.6		0	

Casing/Cement Program: Additional Comments

PEAK Completions Systems iso-packer, iso-port system will be used and will not require cementing. KOP for the lateral will be 9159'. Projected TD at BHL is MD 11198' and TVD 9350'.

Proposed Blowout Prevention Program

		T Toposca Dionoat T	resentation regrant	
	Туре	Working Pressure	Test Pressure	Manufacturer
3	DoubleRam	5000	5000	Cameran

of my knowledge and belief.	ion given above is true and complete to the best ing pit will be constructed according to	OIL CONSERV	ATION DIVISION
NMOCD guidelines a gen OCD-approved plan	eral permit , or an (attached) alternative	Approved By: Chris Williams	1
Printed Name: Electronica	lly filed by Sharon LaValley	Title: District Supervisor	***
Title: Manager		Approved Date: 9/25/2006	Expiration Date: 9/25/2007
Email Address: slavalley@	gcimarex.com		
Date: 9/22/2006	Phone: 918-295-1673	Conditions of Approval Attac	ched

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u>

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Form C-102 Permit 37153

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

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1. API Number	2. Pool Code	3. Pool Name
30-025-38136	17290	DENTON; WOLFCAMP
4. Property Code	5. Property 1	Fame 6. Well No.
36034	REDCLO	UD 001
7. OGRID No.	8. Operator 1	Fame 9. Elevation
215099	CIMAREX ENERGY CO. 3771	

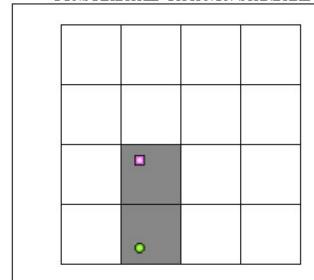
10 Surface Location

10. Sariace Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	13	155	37E		380	S	1710	w	L.E.A.

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	13	15S	37E	K	2310	S	1710	w	LEA
102011000110	cated Acres	13. 3	Joint or Infill	14	. Consolidation	Code		15. 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



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(s) 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.

E-Signed By: Sharon LaValley

Title: Manager Date: 9/22/2006

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.

Surveyed By: Gary Jones
Date of Survey: 8/29/2006
Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO., 215099 Well: REDCLOUD #001

30-025-38136 API:

Created By	Comment	Comment Date
ZFARRIS1	C-144 will be emailed to Donna Mull.	9/5/2006
ZFARRIS1	Due to lateral length, spacing will be 80 acres or 2 stand-up 40 acre spacings.	9/22/2006
ZFARRIS1	Directional plan emailed to Donna Mull.	9/22/2006
ZFARRIS1	In accordance with NMAC 19.15.3.118 C. (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, Cimarex Energy Co. does not anticipate that there will be enough H2S from the surface to the Wolfcamp formations to meet the OCD's minimum requirements for the submission of a contingency plan for the drilling and completion of this test.	9/22/2006

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO., 215099
Well: REDCLOUD #001 30-025-38136 API:

OCD Reviewer	Condition
DMULL	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
DMULL	Will require a directional survey with the C-104