State of New Mexico

Form C-101 Permit 114815

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

	stor Name and Address REX ENERGY CO.	OGRID Number 215099
	ARIENFELD STREET LAND , TX 79701	3. API Number 30-025-39762
4. Property Code 38167	5. Property Name SECOND CHANCE 21 STATE	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	21	10S	36E	F	2085	N	2065	W	LEA

8. Pool Information

CROSSROADS;DEVONIAN, SOUTH 13560

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lesse Type State	13. Ground Level Elevation 4022		
14. Multiple 15. Proposed Depth N 12100		16. Formation Devonian				
Depth to Ground	water	Distance from nearest fresh	water well	Distance to nearest surface water		
Pit: Liner: Synthetic Closed Loop Syste	mils thic	k Clay Pit Volume:	bbls Drilling Method: Fresh Water X Brine	Diesel/Oil-based Gas/Air		

19. 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	400	370	0
Int1	11	8.625	32	4200	850	0
Prod	7.875	5.5	17	12000	835	4000

Casing/Cement Program: Additional Comments

Drill to TD 12100, but set 5-1/2" casing to 12000' (open hole from 12000-12100').

Proposed Blowout Prevention Program

<u> </u>			672	
Type	Working Pressure	Test Pressure	Manufacturer	
DoubleRam	5000	5000	Cameran	

I hereby certify that the information given a of my knowledge and belief. I further certify that the drilling pit will	Ver 10 0000 Rt 00	OIL CONSERVATION DIVISION				
NMOCD guidelines , a general permit OCD-approved plan .	or an (attached) alternative	Approved By: Paul Kautz				
Printed Name: Electronically filed b	y Sharon LaValley	Title: Geologist				
Title: Manager		Approved Date: 6/2/2010	Expiration Date: 6/2/2012			
Email Address: slavalley@cimarex.c	om					
Date: 6/1/2010 P1	ione: 918-295-1673	Conditions of Approval Attached				

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

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

Form C-102 Permit 114815

Energy, Minerals and Natural Resources

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

11.	LLL LOCATION AND ACI	TAGE DEDICATION	TLAI	
1. API Number	2. Pool Code		3. Pool Name	
30-025-39762	13560	CROSSROADS;DEVONIAN, SOUTH		
4. Property Code	5. Property Name		6. Well No.	
38167	SECOND CHAN	001		
7. OGRID No.	8. Operator Name		9. Elevation	
215099	CIMAREX E	4022		

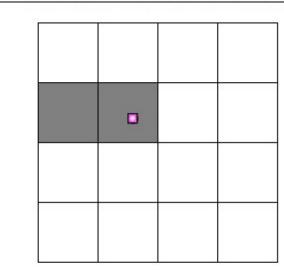
10. Surface Location

Š	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	F	21	10S	36E		2085	N	2065	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
12. Dedi	cated Acres	13. 3	Joint or Infill		14	. Consolidation	Code			15. Order No.	
80	.00				C	ommunitizati	on				

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: 6/1/2010

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 L. Jones Date of Survey: 4/14/2010 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. , 215099
Well: SECOND CHANCE 21 STATE #001

API: 30-025-39762

Created By	Comment	Comment Date
ZFARRIS1	C144 will be emailed to Donna Mull.	6/1/2010
ZFARRIS1	Cimarex Energy Co. of Coloraod does not anticipate that there will be enough H2S from the surface to the Devonian formation to meet the OCD's minimum requirements for the submission of a contingency plan for this test.	6/1/2010
DMULL	OCD Hobbs has received form C-144 "Pit Registration". OCD Permit Number P1-02068.	6/2/2010

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. , 215099
Well: SECOND CHANCE 21 STATE #001

API: 30-025-39762

OCD Reviewer	Condition
DMULL	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