State of New Mexico

Form C-101 Permit 80808

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

	INTERCENTION OF THE MIT TO DRIBB, THE MITTHE, DELLE MI, THE OBTION, OR THE DITECTOR								
1.	2. OGRID Number								
CI	215099								
1	15 EAST 5TH STREET TULSA , OK 74103								
	10LDA , OK 74105	30-025-39133							
4. Property Code	5. Property Name	6. Well No.							
37353	QUANDARY 14 FEE	001							

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	14	15S	37E	I	1650	S	750	E	LEA

8. Pool Information

DENTON:WOLFCAMP	17290

Additional Well Information

				muonuem			0.0	
9. Work Type New Well				11. Cable/Rotary 12. Lease Type Private			13. Ground Level Elevation 3781	
14. Montriple N			16. Formation Wolfcamp			17. Contractor	18. Spud Date 10/1/2008	
Depth to Ground	Depth to Ground water			Distance from nearest fresh water well			Distance to nearest surface water	
it: Liner: Synthetic mils thick Closed Loop System				Pit Volume:		illing Method: sh Water 🔀 Brine 🗆	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	17.5	13.375	48	600	510	0
Int1	11	8.625	32	4500	1415	0
Prod	7.875	5.5	17	9625	520	4300
Liner1	4.75	2.875	6.4	9354	0	
Liner1	4.75	2.875	6.5	11141	0	

Casing/Cement Program: Additional Comments

Drill, case, and cement surface, intermediate, and production holes. Kick off 4.75" lateral at 8958' and drill to TD of 11141' MD and 9244' TVD. Install 2-7/8" 6.5" L-80 from TD @ 11141' to EOC @ 9354 and 2-7/8" 6.4# Ultra FX from EOC @ 9354' to liner hanger @ 8958.' Lateral liner will be PEAK liner and will not require cement.

Proposed Blowout Prevention Program

8	Туре	Working Pressure	Test Pressure	Manufacturer
1	DoubleRam	5000	5000	Cameran

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to	OIL CONSERVATION DIVISION			
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Paul Kautz			
Printed Name: Electronically filed by Sharon LaValley	Title: Geologist			
Title: Manager	Approved Date: 9/8/2008 Expiration Date: 9/8/2010			
Email Address: slavalley@cimarex.com				
Date: 8/26/2008 Phone: 918-295-1673				

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 80808

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

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

2.5.5		TOD DEBTOTION TOTAL			
1. API Number	2. Pool Code	3. Pool Name			
30-025-39133	17290	DENTON;WOLFCAMP			
4. Property Code	5. Property N	ame 6. Well No.			
37353	QUANDARY:	14 FEE 001			
7. OGRID No.	8. Operator N	ame 9. Elevation			
215099	CIMAREX ENEI	RGY CO. 3781			

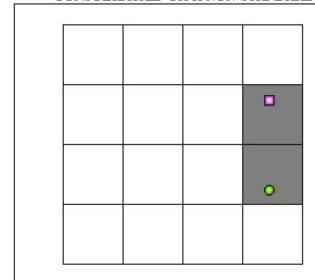
10. Surface Location

Š	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	I	14	15S	37E		1650	S	750	E	LEA

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
Н	14	15S	37E	Н	1650	N	750	E	LEA
12. Dedicated Acres		13. 3	oint 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: 8/26/2008

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: 7/15/2008 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO., 215099
Well: QUANDARY 14 FEE #001
API: 30-025-39133

Created By	Comment	Comment Date
ZFARRIS1	C-102, C-144, and preliminary directional survey will be emailed to Donna Mull.	8/22/2008
ZFARRIS1	Cimarex Energy Co. of Coloraod does not anticipate that there will be enough H2S from the surface to the Wolfcamp formation to meet the OCD's minimum requirements for the submission of a contingency plan for this test.	8/22/2008
ZFARRIS1	Well is proposed horizontal Wolfcamp test with SHL in UL I and BHL in UL H. Therefore it will require a stand-up 80-acre SENE,NESE oil well spacing unit.	8/22/2008
DMULL	Per instruction for Cimarex. Rejecting so operator can make corrections.	8/22/2008
DMULL	OCD form C-144 "Pit Registration". OCD Permit Number P1-00418.	9/8/2008