District I 1625 N French Drive, Hobbs, NM 88240

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District II

1301 W Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

APPLICATION TYPE __X_Single Well Establish Pre-Approved Pools EXISTING WELLBORE __X_Yes ___No

APPLICATION FOR DOWNHOLE COMMINGLING

Cimarex Energy Co. of Colorado 5215 |

5215 N. O'Connor Blvd., Suite 1500; Irving, TX 75039 Address

Operator		Address							
Esmeralda Federal 24 001		K-24-19S-33E			Lea				
Lease	Well No.	Unit Letter-Section-Township-Range				County			
OGRID No. <u>162683</u> Property Code		API No	30-025-	Lease Type:	X	Federal	State	Fee	

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE	
Pool Name	Tonto; Wolfcamp		Gem; Strawn	
Pool Code	59500		96244	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	11204'-11212'		12174'-12187'	
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift	
Bottomhole Pressure (Note Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Within 150% of bottom perfs			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	Est 52.0°		Est 46.8°	
Producing, Shut-In or New Zone	New Zone		New Zone	
Date and Oil/Gas/Water Rates of Last Production. (Note For new zones with no production history, applicant shall be required to attach production estimates and supporting data)	Date: To be supplied Rates:	Date: Rates:	Date: To be supplied Rates:	
Fixed Allocation Percentage (Note If allocation is based upon something other than current or past production, supporting data or explanation will be required)	Oil Gas	Oil Gas	Oil Gas	

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes	<u>XNo_</u> XNo_		
Are all produced fluids from all commingled zones compatible with each other?	Yes	<u>XNo_</u>		
Will commingling decrease the value of production?	Ýes	No_	X	
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes	<u>X No</u>		
NMOCD Reference Case No. applicable to this well:				
 Attachments: C-102 for each zone to be commingled showing its spacing unit and acreage dedication. Production curve for each zone for at least one year. (If not available, attach explanation.) For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formula. 	2 - X 4 - 1 5	ſ	<u></u>	
Notification list of working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling.	1 ⁴	الت مع جد الع بد الع بد الع بالع		
PRE-APPROVED POOLS If application is to establish Pre-Approved Pools, the following additional information	n will be required:	· 		
List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.				
I hereby certify that the information above is true and complete to the best of my knowledge and belie SIGNATURE		ebruary 20	6,2008	

 TYPE OR PRINT NAME
 Zeno Farris
 TELEPHONE NO.
 (972) 443-6489

E-MAIL ADDRESS zfarris@cimarex.com