

5215 N. O'Connor Blvd  
Suite 1500  
Irving, TX 75039  
972-401-3111 (phone)  
972-443-6486 (fax)

# Cimarex Energy Co. of Colorado

March 30, 2007

New Mexico Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505  
Attn: Mr. Will V. Jones

COPY



RE: Black Magic 6 Com No. 1  
30-015-34280  
Eddy County, New Mexico  
C-107 A – Application for Downhole Commingling

Dear Mr. Jones,

Enclosed is an original Form C-107 A (Application for Downhole Commingling) for the well mentioned above.

Cimarex recently drilled the Black Magic 6 Com No. 1 to a TD of 12075.' Our analysis of the logs indicates 2 pay intervals: Atoka from 10418'-10454' and a Morrow from 11150'-11225.'

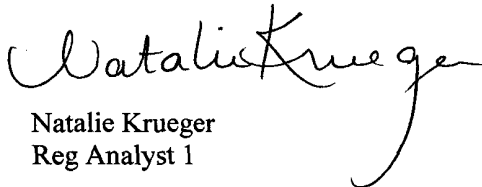
We will isolate each zone during completion to produce a well test that will be used to establish a percentage split.

It is anticipated that the reservoir pressure from these two zones will be compatible and the resulting volumes would not warrant a casing/tubing dual completion.

All royalty, overriding royalty, and working interest owners are identical in the two zones, and will not be harmed by an Atoka/Morrow commingling.

If you have any questions or need further information, please call Zeno Farris at 972-443-6489.

Sincerely,

  
Natalie Krueger  
Reg Analyst 1

[nkrueger@cimarex.com](mailto:nkrueger@cimarex.com)

District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, NM 88210

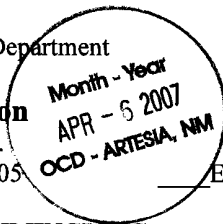
District III  
1000 Rio Brazos Road, Aztec, NM 87410

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



State of New Mexico  
Energy, Minerals and Natural Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505



Form C-107A  
Revised June 10, 2003

APPLICATION TYPE  
☒ Single Well  
Establish Pre-Approved Pools  
EXISTING WELLBORE  
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Cimarex Energy Co. of Colorado 5215 N. O'Connor Blvd., Suite 1500; Irving, TX 75039  
Operator Address

Black Magic 6 Com 001 A-6-25S-26E Eddy  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 162683 Property Code 35027 API No. 30-015-34280 Lease Type: Federal State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Sage Draw; Atoka (Gas)		Chosa Draw; Morrow
Pool Code	97334		74900
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10418'-10454'		11150'-11225'
Method of Production (Flowing or Artificial Lift)	Flowing		
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		est
Producing, Shut-In or 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? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

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 ☐ No ☐

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.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information 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 belief.

SIGNATURE Zeno Farris TITLE Manager Operations Administration DATE March 30, 2007

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

E-MAIL ADDRESS zfarris@cimarex.com

DISTRICT I  
1220 N. FRENCH DR., BOBBS, NM 86340

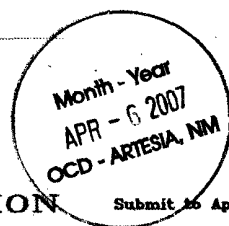
DISTRICT II  
1201 W. GRAND AVENUE, ARTESIA, NM 86810

DISTRICT III  
1000 Rio Brazos Ed., Artec, NM 87410

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505



Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34280	Pool Code	Pool Name Sage Draw; Atoka (Gas)
Property Code	Property Name BLACK MAGIC 6 COM	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3387'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	6	25-S	26-E		1250	NORTH	1250	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code P	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

LOT 4	LOT 3	LOT 2	LOT 1
LOT 5	GEODETTIC COORDINATES NAD 27 NME Y=422978.0 N X=501853.1 E LAT.=32°09'46.38" N LONG.=104°19'38.44" W		Black Magic 6 Com #1
LOT 6			
LOT 7			

**OPERATOR CERTIFICATION**

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

*Zeno Farris*  
Signature  
Zeno Farris  
Printed Name  
Mgr Operations Admin  
Title  
03-30-07  
Date

**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.

AUGUST 17, 2005

Date Surveyed  
Signature & Seal of Professional Surveyor  
GARY EIDSON  
NEW MEXICO  
05-11-1248  
Certified No. GARY EIDSON 12641

DISTRICT I  
1625 N. FRANCH DR., HOBBS, NM 80240

DISTRICT II  
1201 E. GRAND AVENUE, ARTESIA, NM 80210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Month - Year  
APR - 6 2007  
OCD - ARTESIA, NM

Form C-102  
Revised JUNE 10, 2003  
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State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34280	Pool Code	Pool Name Chosa Draw; Morrow
Property Code	Property Name BLACK MAGIC 6 COM	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3387'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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