



November 24, 2003

Ms. Lori Wrotenbery
NMOCD
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RE: Administrative Approval to Down-hole Commingle
Energen Resources Corporation
Jicarilla 95 #6C
660' FSL, 2500' FEL, Sec. 36, T27N, R3W, N.M.P.M.
Rio Arriba County, New Mexico
API # 30-039-26892

Dear Ms. Wrotenbery,

Energen Resources Corporation requests Administrative Approval to down-hole commingle the Blanco Mesaverde and the WC27N3W36O; Mancos in the subject well. The Mancos was completed on April 28, 2003 and was producing at a stabilized rate of 35 MCFD on August 11, 2003, when it was shut in to complete the Mesaverde. Mesaverde completion operations took place between August 12, 2003 and September 4, 2003, and included setting a CIBP above the Mancos, fracture stimulating the Point Lookout, Menefee and Cliffhouse, cleaning out to the CIBP and running 2 3/8" tubing to the bottom Point Lookout perforation. The Mesaverde was first delivered on September 17, 2003 and is currently producing at a stabilized rate of 400 MCFD. We would now like to drill out the CIBP and down-hole commingle the Mesaverde and Mancos.

To comply with New Mexico Oil Conservation rules, Energen Resources Corporation is submitting the following data for your approval of the proposed commingle.

1. Form C107A - Application for Down-hole Commingle
2. C102 - Location plat showing each spacing unit and dedicated acreage
3. Production curve for the Mesaverde and Mancos
4. Production allocation based on actual data (see attached production curve).

In accordance to New Mexico Oil Conservation Division Rule 303C, the working, royalty and overriding royalty interests are common in this wellbore, so no notification is necessary.

If additional information is needed, please contact me.

Sincerely



Charlie Donahue
District Engineer

CD/vd

cc: NMOCD - Aztec, BLM - Albuquerque

Energen Resources

2198 Bloomfield Highway, Farmington, NM 87401

Operator

Address

Jicarilla 95

6C

O-36-27N-3W

Rio Arriba

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No.162928

Property Code: 21289

API No. 30-039-26892

Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco Mesaverde		(WC);27N3W36O; Mancos
Pool Code	72319		97152
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5572 – 6098'		7042 – 7660'
Method of Production (Flowing or Artificial Lift)	Flowing		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)	1325 Calc		2041 Measured
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1248 BTU Est.		1186 BTU
Producing, Shut-In or New Zone	Producing		Shut In
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: 11/20/2003 Rates: 0/400/0	Date: Rates:	Date: 8/11/2003 Rates: 0/35/0
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 0 % 92%	Oil Gas	Oil Gas 100% 8%

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 Charlie Donahue

TITLE District Engineer

DATE: 11/21/2003

TYPE OR PRINT NAME Charlie Donahue

TELEPHONE NO. (505) 325-6800

E-MAIL ADDRESS: cdonahue@energen.com

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Depa.

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26892	*Pool Code 72319 - 97152	*Pool Name Blanco Mesaverde - WC:27N3W360; Mancos (G)
*Property Code 21289	*Property Name JICARILLA 95	*Well Number 6C
*OGRID No. 162928	*Operator Name ENERGEN RESOURCES CORPORATION	*Elevation 7193'


¹⁰ Surface Location

UL or lot no. 0	Section 36	Township 27N	Range 3W	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 2500	East/West line EAST	County RIO ARriba
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¹¹ 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
¹² Dedicated Acres 320/160					¹³ 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

5280.00'	5274.72'	5280.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Don Graham</i> Signature Don Graham Printed Name Production Superintendant Title 8-21-01 Date
	36		¹⁸ 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. Date of Survey: AUGUST 31, 2001 Signature and Seal of Professional Surveyor  <i>JASON C. EDWARDS</i> Certificate Number 15269
	2500'		

Facility Daily Production

Lease: JICARILLA 95 6C

Date Period: 1/1/2003 --- 11/17/2003

