

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.

**Jicarilla Contract 108**

6. If Indian, Allottee, or Tribe Name

**Jicarilla Apache**

**SUBMIT IN TRIPLICATE - Other Instructions on page 2.**

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

**Enervest Operating, LLC**

3a. Address

**1001 Fannin St., Suite 800 Houston, TX 77002-6707**

3b. Phone No. (include area code)

**713-659-3500**

8. Well Name and No.

**Jicarilla C No. 4M**

9. API Well No.

**30-039-31209**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2000' FNL and 668' FWL (UL E) Sec. 24, T26N, R05W**

10. Field and Pool, or Exploratory Area

**Blanco-Mesaverde & Basin Dakota**

11. County or Parish, State

**Rio Arriba, NM**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Downhole</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Commingle</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed if testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Enervest Operating, LLC ("Enervest") is proposing to drill the Jicarilla C Well No. 4M and complete the well as a downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Gas Pools. See attached Form C-103.**

*Note: Located in Sec 24*



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Michelle Doescher**

Title

**Regulatory Consultant**

Signature

*Michelle Doescher*

Date

**January 29, 2015**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*Joe Hunt*

Title **Geo**

Date **2-12-15**

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which will entitle the applicant to conduct operations thereon.

Office **FFO**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**NMCCD**

District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II – (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III – (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV – (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-039-31209
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Enervest Operating, L.L.C.		6. State Oil & Gas Lease No.
3. Address of Operator 1001 Fannin Street, Suite 800 Houston, Texas 77002		7. Lease Name or Unit Agreement Name Jicarilla C
4. Well Location Unit Letter <u>E</u> : <u>2000</u> feet from the <u>North</u> line and <u>668</u> feet from the <u>West</u> line Section <u>24</u> Township <u>26 North</u> Range <u>5 West</u> NMPM Rio Arriba County		8. Well Number <u>4M</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6,608' GR		9. OGRID Number 143199
		10. Pool name or Wildcat Blanco-Mesaverde & Basin-Dakota

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Enervest Operating, L.L.C. ("Enervest") is proposing to drill the Jicarilla C Well No. 4M and complete the well as a downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Gas Pools.

**Order No. Authorizing Pre-Approved Downhole Commingling:** R-11363 dated 4/26/2000

**Pools to be Downhole Commingled:** Blanco-Mesaverde (Prorated Gas-72319) and Basin-Dakota (Prorated Gas-71599) Pools

**Perforated Intervals (Estimated):** Basin-Dakota: 7,294'-7,500'; Blanco-Mesaverde: 4,794'-5,420'

**Allocation Method:** Based upon the 2014 average production from seven wells offsetting the Jicarilla C No. 4M (See Attached Table), Enervest proposes to allocate production to the well as follows:

**Blanco-Mesaverde Gas Pool:** Oil: 21% Gas: 49% Water: 12%

**Basin-Dakota Gas Pool:** Oil: 79% Gas: 51% Water: 88%

Interest Ownership between the Mesaverde and Dakota is common. The well is dedicated to the W/2 of Section 24 in both the Blanco-Mesaverde and Basin-Dakota Gas Pools. No notification required.

The composition of the commingled fluids is such that commingling will not reduce the total remaining production's value

A Copy of this Form C-103 has been provided to the United States Bureau of Land Management.

Spud Date:

Rig Release Date:

*DHC# 3931AZ issued 2/5/15*

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

SIGNATURE Michelle Doescher TITLE Regulatory Consultant DATE: 02/02/2015

Type or print name Michelle Doescher E-mail address: sdoescher@enervest.net PHONE: 505-320-5682

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

**DHC Application**  
**Jicarilla C No. 4M**  
**Offset Well Production**

<b>Offset Well Name &amp; Number</b>	<b>Well Location</b>	<b>2014 Avg. Mesaverde Oil Production</b>	<b>2014 Avg. Mesaverde Gas Production</b>	<b>2014 Avg. Mesaverde H2O Prod.</b>	<b>2014 Avg. Dakota Oil Production</b>	<b>2014 Avg. Dakota Gas Production</b>	<b>2014 Avg. Dakota H2O Prod.</b>
Jicarilla C No. 4	F-24-26N-5W	0.0 BOPD	37 MCFG/D	0.0 BWPD	0.14 BOPD	34 MCFG/D	0.33 BWPD
Jicarilla C No. 4E	M-24-26N-5W	0.094 BOPD	71 MCFG/D	.012 BWPD	.094 BOPD	35 MCFG/D	0.15 BWPD
Jicarilla C No. 5	I-24-26N-5W	0.0 BOPD	12 MCFG/D	0.0 BWPD	0.31 BOPD	18 MCFG/D	1.5 BWPD
Jicarilla C No. 3	I-23-26N-5W	0.09 BOPD	77 MCFG/D	0.65 BWPD	0.08 BOPD	25 MCFG/D	0.7 BWPD
Jicarilla C No. 1E	G-23-26N-5W	0.19 BOPD	36 MCFG/D	0.15 BWPD	0.48 BOPD	87 MCFG/D	0.59 BWPD
Jicarilla C No. 2N	P-14-26N-5W	0.004 BOPD	102 MCFG/D	.026 BWPD	0.24 BOPD	115 MCFG/D	1.9 BWPD
Jicarilla C No. 7	M-13-26N-5W	0.0 BOPD	14 MCFG/D	0.0 BWPD	0.13 BOPD	58 MCFG/D	1.3 BWPD
<b>Well Average</b>		<b>0.054 BOPD</b>	<b>50 MCFG/D</b>	<b>0.12 BWPD</b>	<b>0.21 BOPD</b>	<b>53 MCFG/D</b>	<b>0.92 BWPD</b>
<b>Recommended Allocation</b>		<b>21%</b>	<b>49%</b>	<b>12%</b>	<b>79%</b>	<b>51%</b>	<b>88%</b>

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State of New Mexico  
Energy, Minerals & Natural Resources  
Department

OIL CONSERVATION DIVISION

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

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
Farmington Field Office  
Bureau of Land Management  
AMENDED REPORT

JAN 08 2014

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-039-31209</b>	<sup>2</sup> Pool Code <b>72319/71599</b>	<sup>3</sup> Pool Name <b>BLANCO MESAVERDE BASIN DAKOTA</b>
<sup>4</sup> Property Code <b>306754</b>	<sup>5</sup> Property Name <b>JICARILLA C</b>	<sup>6</sup> Well Number <b>#4M</b>
<sup>7</sup> OGRID No. <b>143199</b>	<sup>8</sup> Operator Name <b>ENERVEST OPERATING, LLC</b>	<sup>9</sup> Elevation <b>6608'</b>

<sup>10</sup>Surface Location

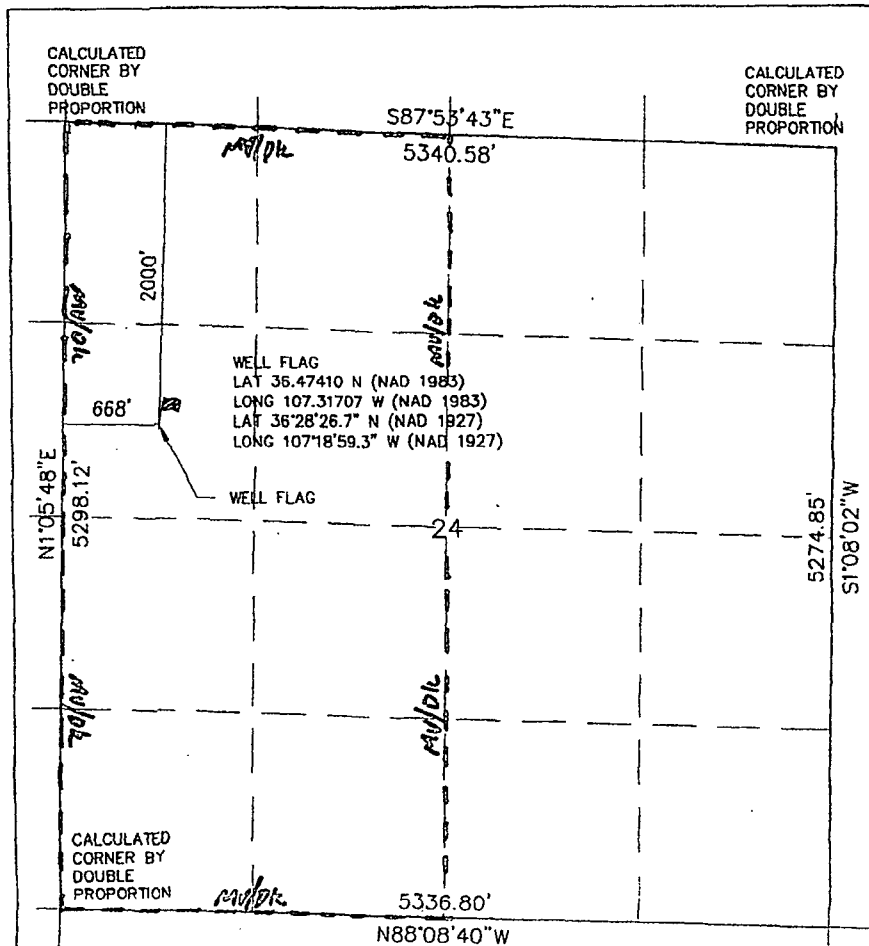
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	26N	5W		2000'	NORTH	668'	WEST	RIO ARRIBA

<sup>11</sup>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
E	24	26N	5W		2000'	NORTH	668'	WEST	RIO ARRIBA

<sup>12</sup> Dedicated Acres <b>MV-W/2 : DK-W/2</b>	<sup>13</sup> Joint of Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.



<sup>17</sup>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 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.

Signature **BANT TREVIÑO** Date **1/13/14**

Printed Name **BANT TREVIÑO**

E-mail Address **BTREVINI@ENERVEST.NET**

<sup>18</sup>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.

Survey Date: **AUGUST 22, 2013**

Signature and Seal of Professional Surveyor



Certificate Number 11643