

# RECEIVED

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 06 2014

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**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.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2.</b>		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. Jicarilla Apache 102 No. 14M.
2. Name of Operator Enervest Operating, L.L.C.		9. API Well No. 30-039-31193
3a. Address 1001 Fannin Street, Suite 800 Houston, Texas 77002	3b. Phone No. (include area code) 713-659-3500	10. Field and Pool or Exploratory Area Blanco-Mesaverde & Basin-Dakota Gas Pools
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) S.L.: 1310' FSL & 1482' FWL (Unit N) Section 9, Township 26 North, Range 4 West, NMPM; BHL: 606' FSL & 1956' FWL (Unit N) Section 9, Township 26 North, Range 4 West, NMPM		11. Country or Parish, State Rio Arriba

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 <u>Downhole</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Commingle</u>
	<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 thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices 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, L.L.C. respectfully requests permission to downhole commingle production in this well. The well will be completed in the Blanco-Mesaverde and Basin-Dakota Gas Pools. This well is currently drilling.

Interest ownership between the Mesaverde and Dakota formations is common. Attached is a copy of NMOCD Form C-103 which specifies the allocation percentages for each of the commingled zones.

OIL CONS. DIV DIST. 3  
JUN 12 2014

\* DHC 3891 A2

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Jeanie McMillan		Title Sr. Regulatory Analyst
Signature <i>Jeanie McMillan</i>		Date 06/04/2014

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

Approved by <i>Joe Hewitt</i>	Title 620	Date 6-9-14
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 would 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 to 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)

NMOCD W.

Submit 1 Copy To Appropriate District Office  
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

Form C-103  
Revised July 18, 2013

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. 30-039-31193
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		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 Apache 102
4. Well Location Unit Letter <u>N</u> : <u>1310</u> feet from the <u>South</u> line and <u>1482</u> feet from the <u>West</u> line Section <u>9</u> Township <u>26 North</u> Range <u>4 West</u> NMPM Rio Arriba County		8. Well Number <u>14M</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>7,112' GR</u>		9. OGRID Number <u>143199</u>
		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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☒  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

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 Apache 102 Well No. 14M 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 Formation Tops):** Basin-Dakota: 7,988'-8,283'; Blanco-Mesaverde: 5,510'-6,087'

**Allocation Method:** Based upon the 2013 average production from several wells offsetting the Jicarilla Apache 102 No. 14M (See Attached Table) Enervest proposes to allocate production to the well as follows:

**Blanco-Mesaverde Gas Pool:** Oil: 33% Gas: 47% Water: 54%

**Basin-Dakota Gas Pool:** Oil: 67% Gas: 53% Water: 46%

Interest Ownership between the Mesaverde and Dakota is common. The well is dedicated to the S/2 of Section 9 in the Blanco-Mesaverde Gas Pool, and to the W/2 of Section 9 in the Basin-Dakota Gas Pool. 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:

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

SIGNATURE

David Catanach

TITLE Agent-Enervest Operating, L.L.C.

DATE

6/4/2014

Type or print name David Catanach

E-mail address: drcatanach@netscape.com

PHONE: 505-690-9453

**For State Use Only**

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

**DHC Application**  
**Jicarilla Apache 102 No. 14M**  
**Offset Well Production**

<b>Offset Well Name &amp; Number</b>	<b>Well Location</b>	<b>2013 Avg. Mesaverde Oil Production</b>	<b>2013 Avg. Mesaverde Gas Production</b>	<b>2013 Avg. Mesaverde H2O Prod.</b>	<b>2013 Avg. Dakota Oil Production</b>	<b>2013 Avg. Dakota Gas Production</b>	<b>2013 Avg. Dakota H2O Prod.</b>
20-034-29666 Jicarilla 102 No. 14F	D-9-26N-4W	Yes 0.14 BOPD	yes 31 MCFG/D	Yes 0.2 BWPD	Yes 0.61 BOPD	Yes 102 MCFG/D	Yes 0.89 BWPD
Jicarilla 102 No. 12	G-9-26N-4W	N/A	N/A	N/A	0.4 BOPD	40 MCFG/D	0.22 BWPD
Jicarilla 102 No. 29	G-9-26N-4W	0.56 BOPD	28 MCFG/D	1.39 BWPD	N/A	N/A	N/A
Jicarilla 102 No. 12E	O-9-26N-4W	N/A	N/A	N/A	0.51 BOPD	62 MCFG/D	0.57 BWPD
Jicarilla 102 No. 15	P-9-26N-4W	0.16 BOPD	17 MCFG/D	0.6 BWPD	N/A	N/A	N/A
Northwest No. 4E	I-8-26N-4W	N/A	N/A	N/A	0.87 BOPD	20 MCFG/D	0.54 BWPD
Jicarilla 103 No. 9	A-17-26N-4W	0.17 BOPD	3 MCFG/D	0.58 BWPD	N/A	N/A	N/A
Jicarilla 103 No. 12	A-17-26N-4W	N/A	N/A	N/A	0.26 BOPD	18 MCFG/D	0.33 BWPD
Jicarilla E No. 15E	C-16-26N-4W	ok 0.32 BOPD	Yes Right on 101 MCFG/D	ok 0.46 BWPD	Yes 0.64 BOPD	ok 37 MCFG/D	ok 0.46 BWPD
Jicarilla E No. 9	B-16-26N-6W	0.25 BOPD	74 MCFG/D	0.29 BWPD	N/A	N/A	N/A
<b>Well Average</b>		<b>0.27 BOPD</b>	<b>42 MCFG/D</b>	<b>0.59 BWPD</b>	<b>0.55 BOPD</b>	<b>47 MCFG/D</b>	<b>0.5 BWPD</b>
<b>Recommended Allocation</b>		<b>33%</b>	<b>47%</b>	<b>54%</b>	<b>67%</b>	<b>53%</b>	<b>46%</b>