

# RECEIVED

MAY 15 2014

Form 3160-5  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.*

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>Jicarilla Contract 155</b>
2. Name of Operator <b>EnerVest Operating, LLC</b>		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>
3a. Address <b>1001 Fannin St, Suite 800 Houston, TX 77002-6707</b>	3b. Phone No. (include area code) <b>713-659-3500; 713-970-1847</b>	7. If Unit or CA. Agreement Name and/or No. <b>Jicarilla Contract 155 #20M</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SHL: 1201' FSL &amp; 762' FWL (UL M) Sec. 29, T26N, R05W BHL: 1300' FSL &amp; 660' FWL (UL M) Sec. 29, T26N, R05W</b>		9. API Well No. <b>30-039-31215</b>
		10. Field and Pool, or Exploratory Area <b>Blanco Mesaverde/Basin Dakota</b>
		11. County or Parish, State <b>Rio Arriba, NM</b>

**12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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>DHC</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon		
	<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 recompleate horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

**Enervest Operating LLC has drilled the Jicarilla Contract 155 Well No. 20 and proposes to complete the well as a downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Pools.**

**Attached is a copy of Form C-103 filed with the NMOCD. The production will be allocated as stated on this form.**

**OIL CONS. DIV DIST. 3**

**MAY 21 2014**

**DHC 3888 AZ**

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) <b>Jeanie McMillan</b>		Title <b>Sr. Regulatory Analyst</b>
Signature <i>Jeanie McMillan</i>		Date <b>May 12, 2014</b>
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by <i>Joe A. Smith</i>	Title <b>FFO</b>	Date <b>5-19-14</b>
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.		
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)

**GENERAL INSTRUCTIONS**

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this

form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal office.

**SPECIFIC INSTRUCTIONS**

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office

present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and

**NMOCD**

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

WELL API NO. 30-039-31215
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Jicarilla Contract 155
8. Well Number 20M
9. OGRID Number 143199
10. Pool name or Wildcat Blanco-Mesaverde & Basin-Dakota
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6,492' GR

SUNDRY NOTICES AND REPORTS ON WELLS  
(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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
Enervest Operating, L.L.C.

3. Address of Operator  
1001 Fannin Street, Suite 800 Houston, Texas 77002

4. Well Location  
Unit Letter M : 1201 feet from the South line and 762 feet from the West line  
Section 29 Township 26 North Range 5 West NMPM Rio Arriba County

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 Contract 155 Well No. 20M 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: 7,066'-7,250'; Blanco-Mesaverde: 4,877'-5,128'

**Allocation Method:** Based upon the 2013 average production from seven wells offsetting the Jicarilla Contract 155 No. 20M (See Attached Table), Enervest proposes to allocate production to the well as follows:

**Blanco-Mesaverde Gas Pool:** Oil: 47% Gas: 35% Water: 24%

**Basin-Dakota Gas Pool:** Oil: 53% Gas: 65% Water: 76%

Interest Ownership between the Mesaverde and Dakota is common. The well is dedicated to the W/2 of Section 29 in the Basin-Dakota Gas Pool and to the SW/4 of Section 29 in the Blanco-Mesaverde 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 5/14/14

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 Contract 155 No. 20M**  
**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>
Jicarilla Cont. 155 # 19E	J-29-26N-5W	N/A	N/A	N/A	0.39 BOPD	64 MCFG/D	0.5 BWPD
Jicarilla Cont. 155 # 19M	G-29-26N-5W	2.4 BOPD	165 MCFG/D	0.97 BWPD	2.97 BOPD	199 MCFG/D	6.5 BWPD
Jicarilla Cont. 155 # 20	N-29-26N-5W	0.23 BOPD	12 MCFG/D	0.5 BWPD	0.4 BOPD	80 MCFG/D	0.88 BWPD
Jicarilla Cont. 155 # 33A	C-29-26N-5W	0.22 BOPD	34 MCFG/D	0.23 BWPD	N/A	N/A	N/A
Jicarilla Cont. 155 # 13	I-30-26N-5W	N/A	N/A	N/A	1.0 BOPD	98 MCFG/D	0.33 BWPD
Jicarilla Cont. 155 # 25	O-30-26N-5W	0.45 BOPD	48 MCFG/D	0.4 BWPD	N/A	N/A	N/A
Jicarilla Gas Com B # 1	A-31-26N-5W	0.64 BOPD	55 MCFG/D	0.44 BWPD	N/A	N/A	N/A
Jicarilla Cont. 155 # 22	I-31-26N-5W	0.0 BOPD	28 MCFG/D	0.04 BWPD	0.004 BOPD	125 MCFG/D	0.11 BWPD
Jicarilla Gas Com B # 1	G-31-26N-5W	N/A	N/A	N/A	0.48 BOPD	73 MCFG/D	0.70 BWPD
Jicarilla Cont. 155 # 29	F-32-26N-5W	0.68 BOPD	51 MCFG/D	0.33 BWPD	N/A	N/A	N/A
Jicarilla Gas Com C # 1E	F-32-26N-5W	N/A	N/A	N/A	0.074 BOPD	73 MCFG/D	0.52 BWPD
<b>Well Average</b>		<b>0.66 BOPD</b>	<b>56 MCFG/D</b>	<b>0.42 BWPD</b>	<b>0.76 BOPD</b>	<b>102 MCFG/D</b>	<b>1.37 BWPD</b>
<b>Recommended Allocation</b>		<b>47%</b>	<b>35%</b>	<b>24%</b>	<b>53%</b>	<b>65%</b>	<b>76%</b>