

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

Jami Bailey, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: January 10<sup>th</sup>, 2014

Application Type:

☐ P&A   ☐ Drilling/Casing Change   ☒ Recomplete/DHC  
☐ Location Change   ☐ Other: \_\_\_\_\_

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-22345-00-00	JICARILLA CONTRACT 155	019E	ENERVEST OPERATING L.L.C.	G	A	Rio Arriba	J	J	29	26	N	5	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Provide CBL to agencies for review prior to perforating

A handwritten signature in black ink, appearing to read "W. H. H. H.", is written over a horizontal line.

NMOCD Approved by Signature

JAN 29 2014

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 13 2014

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

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

5. Lease Serial No.  
**Jicarilla Contract 155**  
6. If Indian, Allottee, or Tribe Name  
**Jicarilla Apache Tribe**

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

7. If Unit or CA/Agreement Name and/or No.  
8. Well Name and No.  
**Jicarilla Contract 155 # 19E**  
9. API Well No.  
**30-039-22345**  
10. Field and Pool, or Exploratory Area  
**Basin Dakota / Otero Chacra / Blanco MV**  
11. County or Parish, State  
**Rio Arriba, NM**

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

2. Name of Operator  
**EnerVest Operating, L.L.C.**

3a. Address  
**1001 Fannin St. Suite 800, Houston, TX 77002**

3b. Phone No. (include area code)  
**713-659-3500**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1775' FSL & 1840' FEL (UL J), Sec29, T26N R05W**

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 checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>P&amp;A Chacra zones,</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>perf and stimulate MV,</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<b>comingled with Dak</b>

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 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 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 must be filed once 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 intends to: 1. Isolate the existing Dakota perforations with CBP, 2. Cement plug the Chacra intervals (3680'-3712' and 3776'-3790') with +/- 100 sx cement, 3. Perform MIT test on the casing, 4. Run CBL logs, 5. Perforate MV intervals (5004' - 5182'), 6. Fracture stimulate the Mesa Verde stage 1 intervals via 3 1/2" N-80 frac string, 7. Perforate and fracture stimulate the stage 2 MV intervals (4680'-4842' via 3 1/2" frac string. 8. Evaluate MV intervals, 9. Remove frac string, CBP and return well to production as a MV / Dak dual producer. Well may be comingled DH (with R-11363) or surface comingled pending appropriate NMOCD approval (documentation would be provided).**

RCVD JAN 15 '14  
OIL CONS. DIV.  
DIST. 3

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

**Loren Diede**

Title

**Contract Engineer**

Signature

Date

**January 10, 2014**

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

Approved by

**Original Signed: Stephen Mason**

Title

Date

**JAN 14 2014**

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

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)

NMOCD

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
811 S. First Street, Artesia, NM 88210  
**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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised July 16, 2010  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-039-22345</b>	Pool Code <b>72319</b>	Pool Name <b>Blanco-Mesaverde (Prorated Gas) Pool</b>
Property Code <b>306758</b>	Property Name <b>Jicarilla Contract 155</b>	Well Number <b>19E</b>
OGRID No. <b>143199</b>	Operator Name <b>Enervest Operating, LLC</b>	Elevation <b>6,443'</b>

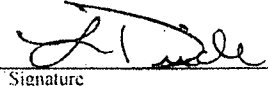
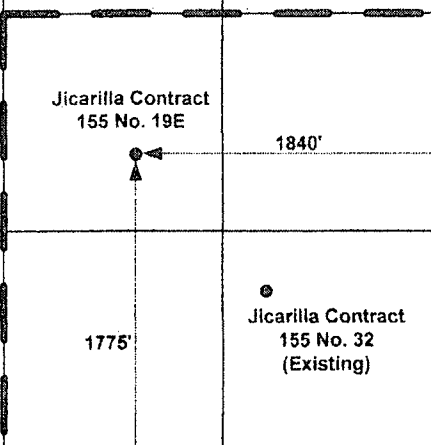
**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>J</b>	<b>29</b>	<b>26 North</b>	<b>5 West</b>		<b>1775</b>	<b>South</b>	<b>1840</b>	<b>East</b>	<b>Rio Arriba</b>

**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 <b>160: SE/4</b>	Joint or Infill	Consolidate Code	Order No. <b>NSP-1400</b>	<b>RCVD JAN 15 '14</b> <b>OIL CONS. DIV.</b> <b>DIST. 3</b>					

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

				<p align="center"><b>OPERATOR CERTIFICATION</b></p> <p><i>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 bottomhole location or has a right to drill this well at this location pursuant to a contract with the owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.</i></p> <p> <b>1-13-14</b>          Signature Date</p> <p><b>Loren Diede</b>          Printed Name</p> <p><b>ldiede@EnerVest.net</b>          E-mail Address</p>
				<p align="center"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>_____          Date of Survey</p> <p>_____          Signature and Seal of Professional Surveyor:</p> <p align="center"><b>Originally surveyed by Fred          B. Kerr Jr. on January 23, 1980.          Certificate No. 3950</b></p> <p>_____          Certificate Number</p>