

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 Apache Tribal Contract 146

6. If Indian, Allottee, or Tribe Name
Jicarilla Apache

7. If Unit or CA/Agreement Name and/or No.

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1898' FSL and 665' FEL (UL 1) Sec. 22, T26N, R05W

8. Well Name and No.
Jicarilla Contract 146 No. 11F

9. API Well No.
N/A 30039-31303

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 Downhole
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Commingle
	<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 Contract 146 No. 11F and complete the well as a downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Gas Pools. See attached Form C-103.



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 Hewitt* 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 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 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)

ADHERE TO PREVIOUS NMOC CONDITIONS OF APPROVAL

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

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.)		WELL API NO. N/A
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 Contract 146
4. Well Location Unit Letter <u>I</u> : <u>1898</u> feet from the <u>South</u> line and <u>665</u> feet from the <u>East</u> line Section <u>4</u> Township <u>25 North</u> Range <u>5 West</u> NMPM Rio Arriba County		8. Well Number <u>11F</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6,643' 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: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input checked="" type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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 146 Well No. 11F 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: 7,183'-7,369'; Blanco-Mesaverde: 5,190'-5,350'
Allocation Method: Based upon the 2014 average production from eleven wells offsetting the Jicarilla Contract 146 No. 11F (See Attached Table), Enervest proposes to allocate production to the well as follows:
Blanco-Mesaverde Gas Pool: Oil: 71% Gas: 55% Water: 63%
Basin-Dakota Gas Pool: Oil: 29% Gas: 45% Water: 37%

Interest Ownership between the Mesaverde and Dakota is common. The well is dedicated to the S/2 of Section 4 in the Basin-Dakota Gas Pool, and to the SE/4 of Section 4 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: 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): _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code	⁵ Property Name JICARILLA CONTRACT 146	⁶ Well Number #11F
⁷ OGRID No. 143199	⁸ Operator Name ENERVEST OPERATING, LLC	⁹ Elevation 6643'

¹⁰Surface Location

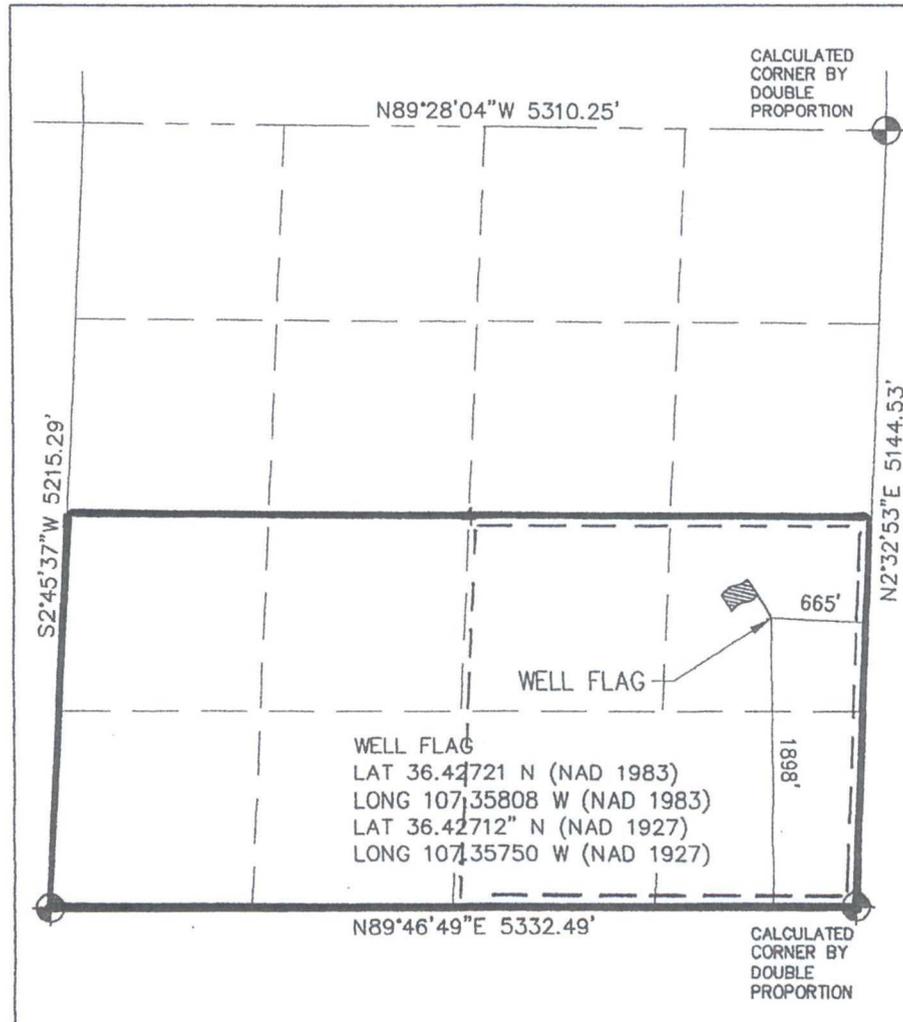
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	4	25N	5W		1898'	SOUTH	665'	EAST	RIO ARRIBA

¹¹Bottom 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 MV-SE/4, 160± AC.; DK-S/2, 320± AC.	¹³ Joint of Infill	¹⁴ Consolidation Code	¹⁵ 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.



¹⁷OPERATOR 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.

Michelle Doeschler
Signature Date 1-29-15
Michelle Doeschler
Printed Name
sdoeschler@enervest.net
E-mail Address

¹⁸SURVEYOR 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 behalf.

Survey Date: OCT. 30, 2014
Signature and Seal of Professional Surveyor

Kurt P. Shultz
10-
PROFESSIONAL SURVEYOR
11643

Certificate Number 11643

DHC Application
Jicarilla Contract 146 No. 11F
Offset Well Production

Offset Well Name & Number	Well Location	2014 Avg. Mesaverde Oil Production	2014 Avg. Mesaverde Gas Production	2014 Avg. Mesaverde H2O Prod.	2014 Avg. Dakota Oil Production	2014 Avg. Dakota Gas Production	2014 Avg. Dakota H2O Prod.
Jicarilla Cont. 146 No. 11	K-4-25N-5W	0.15 BOPD	38 MCFG/D	0.02 BWPD	0.24 BOPD	20 MCFG/D	0.1 BWPD
Jicarilla Cont. 146 No. 11E	O-4-25N-5W	0.20 BOPD	72 MCFG/D	0.16 BWPD	0.37 BOPD	65 MCFG/D	0.63 BWPD
Jicarilla Cont. 146 No. 19E	C-4-25N-5W	N/A	N/A	N/A	0.0 BOPD	52 MCFG/D	0.02 BWPD
Jicarilla Cont. 146 No. 36	A-4-25N-5W	0.39 BOPD	59 MCFG/D	0.28 BWPD	N/A	N/A	N/A
Jicarilla Cont. 146 No. 37	C-4-25N-5W	0.58 BOPD	44 MCFG/D	0.31 BWPD	N/A	N/A	N/A
Jicarilla Cont. 146 No. 13E	B-9-25N-5W	0.44 BOPD	32 MCFG/D	0.10 BWPD	0.43 BOPD	57 MCFG/D	0.31 BWPD
Jicarilla Cont. 146 No. 22E	D-10-25N-5W	N/A	N/A	N/A	0.04 BOPD	55 MCFG/D	0.52 BWPD
Jicarilla Cont. 146 No. 17	G-3-25N-5W	0.66 BOPD	122 MCFG/D	0.64 BWPD	N/A	N/A	N/A
Jicarilla Cont. 146 No. 17E	J-3-25N-5W	N/A	N/A	N/A	0.07 BOPD	60 MCFG/D	0.13 BWPD
Jicarilla Cont. 146 No. 21R	N-3-25N-5W	N/A	N/A	N/A	0.40 BOPD	40 MCFG/D	0.09 BWPD
Jicarilla Cont. 146 No. 40	N-3-25N-5W	1.33 BOPD	54 MCFG/D	1.67 BWPD	N/A	N/A	N/A
Well Average		0.54 BOPD	60 MCFG/D	0.45 BWPD	0.22 BOPD	50 MCFG/D	0.26 BWPD
Recommended Allocation		71%	55%	63%	29%	45%	37%