

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 109

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

FEB 04 2015

Farmington Field Office

Bureau of Land Management

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

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

8. Well Name and No.

Jicarilla B No. 4F

9. API Well No.

N/A 30-039-31342

10. Field and Pool, or Exploratory Area

Blanco-Mesaverde & Basin Dakota

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

715' FSL and 1907' FEL (UL K) Sec. 21, T26N, R05W

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

☒ Notice of Intent

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water Shut-Off

☐ Subsequent Report

☐ Alter Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Final Abandonment Notice

☐ Casing Repair

☐ New Construction

☐ Recomplete

☒ Other **Downhole**

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

Commingled

☐ Convert to Injection

☐ Plug Back

☐ 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 recompleat 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 recompleat in a new interval, a Form 3160-4 must be filed (testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamantion, have been completed, and the operator h determined that the site is ready for final inspection.)

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

RECEIVED

FEB 17 2015

**NMCCD
DISTRICT III**

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 **FFD**

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.

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

Form C-103
Revised July 18, 2013

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 B
4. Well Location Unit Letter <u>O</u> : <u>715</u> feet from the <u>South</u> line and <u>1907</u> feet from the <u>East</u> line Section <u>21</u> Township <u>26 North</u> Range <u>5 West</u> NMPM Rio Arriba County		8. Well Number <u>4F</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>6,502' 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:		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 B Well No. 4F 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: 7,212'-7,436'; Blanco-Mesaverde: 4,922'-5,425'

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

Blanco-Mesaverde Gas Pool: Oil: 47% Gas: 47% Water: 31%

Basin-Dakota Gas Pool: Oil: 53% Gas: 53% Water: 69%

Interest Ownership between the Mesaverde and Dakota is common. The well is dedicated to the E/2 of Section 21 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:

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 B	⁶ Well Number #4F
⁷ OGRID No. 143199	⁸ Operator Name ENERVEST OPERATING, LLC	⁹ Elevation 6502'

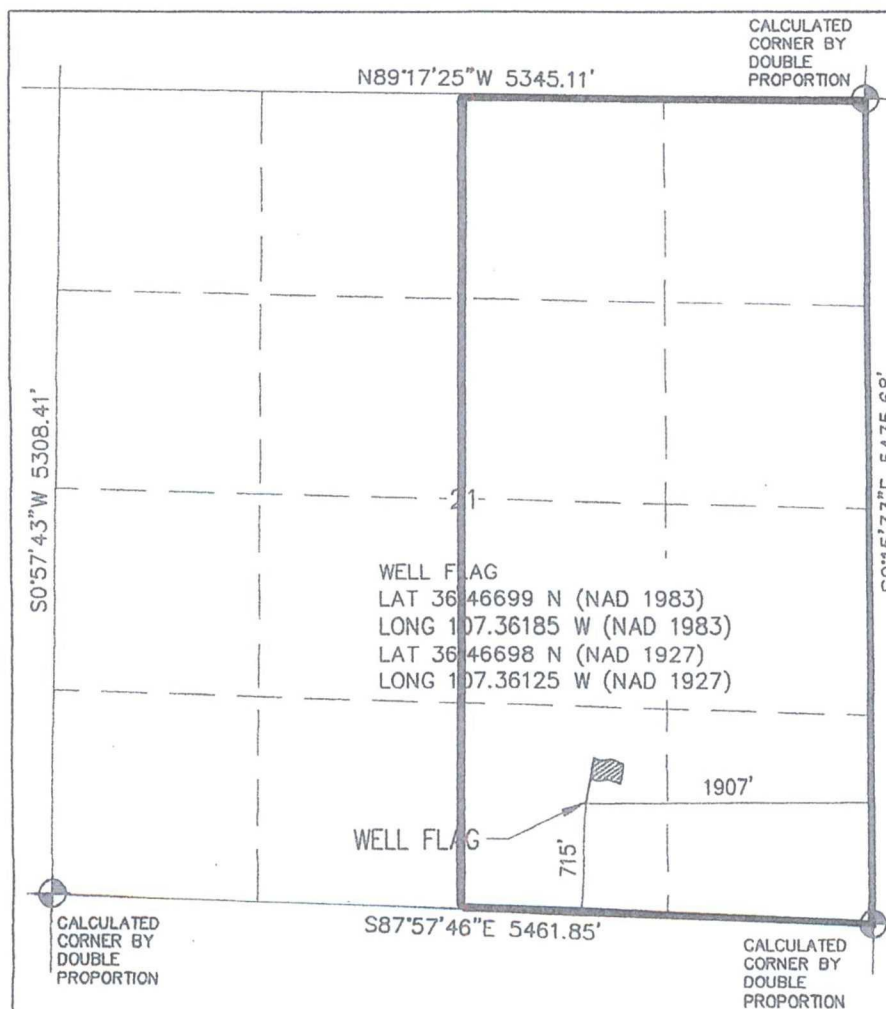
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	21	26N	5W		715'	SOUTH	1907'	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-E/2, 320± AC.; DK-E/2, 320± AC.					¹³ Joint of Infill		¹⁴ Consolidation Code		¹⁵ Order No.

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.



CALCULATED
CORNER BY
DOUBLE
PROPORTION

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 01-29-2014
Signature Date
Michelle Doeschler
Printed Name
sdoschler@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 belief.

Survey Date: NOV. 5, 2014

Signature and Seal of Professional Surveyor



Certificate Number 11643

**DHC Application
Jicarilla B No. 4F
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 B No. 4M	G-21-26N-5W	0.51 BOPD	102 MCFG/D	1.2 BWPD	0.63 BOPD	124 MCFG/D	2.4 BWPD
Jicarilla B No. 5	K-21-26N-5W	0.34 BOPD	50 MCFG/D	0.36 BWPD	0.14 BOPD	21 MCFG/D	0.36 BWPD
Jicarilla B No. 6	K-22-26N-5W	0.02 BOPD	22 MCFG/D	.004 BWPD	0.01 BOPD	8 MCFG/D	0.01 BWPD
Jicarilla Apache No. 10G	F-27-26N-5W	0.16 BOPD	47 MCFG/D	0.65 BWPD	0.33 BOPD	78 MCFG/D	1.4 BWPD
Jicarilla Apache No. 9	A-28-26N-5W	0.08 BOPD	23 MCFG/D	0.20 BWPD	0.26 BOPD	69 MCFG/D	0.6 BWPD
Jicarilla Apache No. 11E	C-28-26N-5W	0.04 BOPD	37 MCFG/D	0.16 BWPD	N/A	N/A	N/A
Jicarilla Apache No. 11F	D-28-26N-5W	0.19 BOPD	45 MCFG/D	1.0 BWPD	0.37 BOPD	73 MCFG/D	2.1 BWPD
Jicarilla A No. 5E	J-20-26N-5W	0.5 BOPD	90 MCFG/D	0.22 BWPD	0.11 BOPD	40 MCFG/D	0.32 BWPD
Well Average		0.23 BOPD	52 MCFG/D	0.47 BWPD	0.26 BOPD	59 MCFG/D	1.03 BWPD
Recommended Allocation		47%	47%	31%	53%	53%	69%