

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. N/A <u>30-039-31304</u>
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 146
8. Well Number 11M
9. OGRID Number 143199
10. Pool name or Wildcat Blanco-Mesaverde & Basin-Dakota

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 L : 1880 feet from the South line and 824 feet from the West line
Section 4 Township 25 North Range 5 West NMPM Rio Arriba County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6,648' GR

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 Contract 146 Well No. 11M 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: 7,109'-7,294'; Blanco-Mesaverde: 5,096'-5,266'

Allocation Method: Based upon the 2014 average production from twelve wells offsetting the Jicarilla Contract 146 No. 11M (See Attached Table), Enervest proposes to allocate production to the well as follows:

Blanco-Mesaverde Gas Pool: Oil: 48% Gas: 52% Water: 53%

Basin-Dakota Gas Pool: Oil: 52% Gas: 48% Water: 47%

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 SW/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:

Sundry Held for APD approval DHC#3950 AZ
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: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR DATE 11/12/2015
Conditions of Approval (if any): DISTRICT #3

DHC Application
Jicarilla Contract 146 No. 11M
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
AXI Apache J No. 20A	A-5-25N-5W	0.28 BOPD	48 MCFG/D	0.39 BWPD	N/A	N/A	N/A
AXI Apache J No. 21	I-5-25N-5W	0.18 BOPD	46 MCFG/D	0.39 BWPD	N/A	N/A	N/A
Jicarilla Cont. 147 No. 2	K-5-25N-5W	N/A	N/A	N/A	0.46 BOPD	68 MCFG/D	0.33 BWPD
Jicarilla Cont. 147 No. 2E	I-5-25N-5W	N/A	N/A	N/A	0.45 BOPD	55 MCFG/D	0.02 BWPD
Jicarilla Cont. 147 No. 1	A-8-25N-5W	N/A	N/A	N/A	0.3 BOPD	37 MCFG/D	0.3 BWPD
AXI Apache J No. 18	A-8-25N-5W	0.18 BOPD	44 MCFG/D	0.46 BWPD	N/A	N/A	N/A
Jicarilla Cont. 146 No. 10E	E-9-25N-5W	N/A	N/A	N/A	0.28 BOPD	28 MCFG/D	0.32 BWPD
Well Average		0.28 BOPD	50 MCFG/D	0.29 BWPD	0.30 BOPD	46 MCFG/D	0.25 BWPD
Recommended Allocation		48%	52%	53%	52%	48%	47%

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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

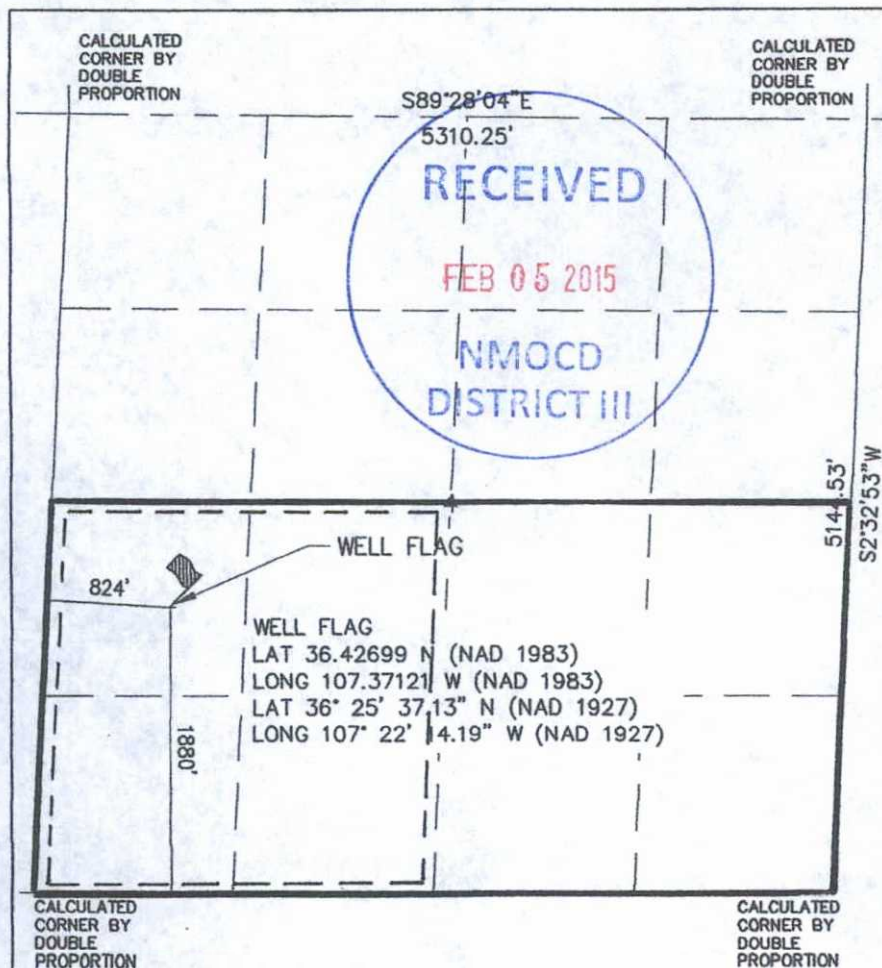
¹ API Number	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 306755	⁵ Property Name JICARILLA CONTRACT 146	⁶ Well Number 11M
⁷ OGRID No. 1431993	⁸ Operator Name ENERVEST OPERATING, LLC	⁹ Elevation 6648'

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	25N	5W		1880'	SOUTH	824'	WEST	RIO ARriba

¹¹ 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

¹² Dedicated Acres MV-SW/4, 159± AC.; DK-S/2, 316± 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.

Signature: *[Signature]* Date: 1-29-15
Printed Name: Michelle Dorschner
E-mail Address: mdorschner@enervest.com

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: OCT. 31, 2014
Signature and Seal of Professional Surveyor



Certificate Number 11643