

District I
1623 N. French Drive, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

District II
1301 W. Grand Avenue, Artesia, NM 88210

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
 Single Well
 Establish Pre-Approved Pools
EXISTING WELLBORE
 Yes No
*New well

District III
1000 Rio Hondo Road, Aztec, NM 87416

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

APPLICATION FOR DOWNHOLE COMMINGLING

DAC 4162

Operator EnerVest Operating, L.L.C. Address 1001 Fannin, Suite 800 Houston, TX 77002
Lease New Mexico AA State Well No. 8 Unit Letter-Section-Township-Range G - Sec 22, T 23S, R 36E County _____
OGRID No. 143199 Property Code 303916 API No. 30-025-38701 Lease Type: Federal State Fee

| DATA ELEMENT | UPPER ZONE | INTERMEDIATE ZONE | LOWER ZONE |
|---|-----------------------------------|-------------------|----------------------------------|
| Pool Name | Jalmat (T-Y-7R) (Gas) | | Langlie Matix (7R-Q-G) (Oil) |
| Pool Code | 79240 | | 37240 |
| Top and Bottom of Pay Section (Perforated or Open-Hole Interval) | 2928' - 3545' | | 3592' - 3700' |
| Method of Production (Flowing or Artificial Lift) | Pump | | Pump |
| Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone) | N/A | | N/A |
| Oil Gravity or Gas BTU (Degree API or Gas BTU) | N/A | | N/A |
| Producing, Shut-In or New Zone | Producing | | Producing |
| Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.) | Date: 5-23-08 Rates: 21.75 Mcf | Date: Rates: | Date: 5-23-08 Rates: 3.25 Mcf |
| Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.) | Oil Gas % 87 % | Oil Gas % % | Oil Gas % 13 % |

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No _____
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes _____ No _____

Are all produced fluids from all commingled zones compatible with each other? Yes No _____

Will commingling decrease the value of production? Yes _____ No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes _____ No

NMOCD Reference Case No. applicable to this well: _____

- Attachments:
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 - Production curve for each zone for at least one year. (If not available, attach explanation.)
 - For zones with no production history, estimated production rates and supporting data.
 - Data to support allocation method or formula.
 - Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
 - Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bridget Helfrich TITLE Regulatory Tech. DATE 3-2-09
TYPE OR PRINT NAME BRIDGET HELFRICH TELEPHONE NO. (713) 495-6537
E-MAIL ADDRESS bhelfrich@enervest.net

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-104
Revised Feb. 26, 2007

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | | |
|---|--|---|
| ¹ Operator name and Address EnerVest Operating, L.L.C. 1001 Fannin, Suite 800 Houston, TX 77002 | | ² OGRID Number 143199 |
| | | ³ Reason for Filing Code/ Effective Date NW / 5-16-08 |
| ⁴ API Number 30 - 025-38701 | ⁵ Pool Name Langlie Mattix (7 Rivers-Queen-Grayburg) (Oil) | ⁶ Pool Code 37240 |
| ⁷ Property Code 303916 | ⁸ Property Name NM AA State | ⁹ Well Number 8 |

II. 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G | 22 | 23S | 36E | | 1980 | North | 1805 | East | Lea |

¹¹ Bottom Hole Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G | 22 | 23S | 36E | | 1980 | North | 1805 | East | Lea |

| ¹² Lse Code | ¹³ Producing Method Code | ¹⁴ Gas Connection Date | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date |
|------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| S | P | 5-16-08 | | | |

III. Oil and Gas Transporters

| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
|---------------------------------|--|---------------------|
| 020809 | Southern Union Gas Services 201 Main Street Fort Worth, TX 76102 | G |
| 217817 | ConocoPhillips P.O. Box 7500 Bartlesville, OK 74005 | O |
| | | |
| | | |
| | | |

IV. Well Completion Data

| ²¹ Spud Date | ²² Ready Date | ²³ TD | ²⁴ PBDT | ²⁵ Perforations | ²⁶ DHC, MC Pending |
|-------------------------|--------------------------|------------------------------------|-------------------------|----------------------------|-------------------------------|
| 4-7-08 | 5-16-08 | 3835' | 3775' | 2928'-3700' | |
| ²⁷ Hole Size | | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | |
| 12-1/4" | | 8-5/8" | 1254' | 610sx | |
| 7-7/8" | | 4-1/2" | 3830' | 604sx | |
| | | 2-3/8" | 3712' | | |
| | | | | | |

V. Well Test Data

| ³¹ Date New Oil | ³² Gas Delivery Date | ³³ Test Date | ³⁴ Test Length | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 5-16-08 | 5-16-08 | 5-23-08 | 24 Hr. | SI | 19 |
| ³⁷ Choke Size | ³⁸ Oil | ³⁹ Water | ⁴⁰ Gas | ⁴¹ Test Method | |
| 64/64" | 0 | 9 | 25 | Flowing | |

| | | | |
|--|------------------------|---------------------------|--|
| ⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Bridget Helfrich</i> | | OIL CONSERVATION DIVISION | |
| Printed name: Bridget Helfrich | | Approved by: | |
| Title: Regulatory Tech. | | Title: | |
| E-mail Address: bhelfrich@encrvest.net | | Approval Date: | |
| Date: 6-30-08 | Phone: 713-495-6537 | | |

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-104
Revised Feb. 26, 2007

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

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| | | ³ Reason for Filing Code/ Effective Date NW / 5-16-08 |
| ⁴ API Number 30 - 025-38701 | ⁵ Pool Name Jalmat (Tansill-Yates-7 Rivers) (Gas) | ⁶ Pool Code 79240 |
| ⁷ Property Code 303916 | ⁸ Property Name NM AA State | ⁹ Well Number 8 |

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| 217817 | ConocoPhillips P.O. Box 7500 Bartlesville, OK 74005 | O |
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| 12-1/4" | 8-5/8" | 1254' | 610sx | | |
| 7-7/8" | 4-1/2" | 3830' | 604sx | | |
| | 2-3/8" | 3712' | | | |

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| ³⁷ Choke Size | ³⁸ Oil | ³⁹ Water | ⁴⁰ Gas | ⁴¹ Test Method | |
| 64/64" | 0 | 9 | 25 | Flowing | |

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|--|---------------------------|
| ⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Bridget Helfrich</i> | OIL CONSERVATION DIVISION |
| | Approved by: |
| | Title: |
| | Approval Date: |
| | |
| Printed name: Bridget Helfrich | |
| Title: Regulatory Tech. | |
| E-mail Address: bhelfrich@enervest.net | |
| Date: 6-30-08 | Phone: 713-495-6537 |

RECEIVED

DISTRICT I
1423 N. FRENCH DR., BOBBS, NM 87540

DISTRICT II
1301 W. GRAND AVENUE, ARVISA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1230 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico JAN 1 8 2008
Energy, Minerals and Natural Resources Department

OIL CONSERVATION HOBBS OGD
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 2 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

| | | |
|----------------------------------|--|---|
| API Number 30-025-387D | Pool Code 79240 | Pool Name Jalmat (T-Y-7R) Gas |
| Property Code 303916 | Property Name NM AA STATE | Well Number 8 |
| OGRID No. 143199 | Operator Name EnerVest Operating | Elevation 3379' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G | 22 | 23-S | 36-E | | 1980 | NORTH | 1805 | EAST | LEA |

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 160 | Joint or Infill Y | Consolidation Code | 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

| | |
|--|--|
| | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or retained 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 1-15-08 Signature Date Gary E. M. Hill Printed Name Agent</p> |
| | <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p><i>[Signature]</i> Date Surveyed Signature and Seal of Professional Surveyor 3239 DSS JANUARY 7, 2008 RONALD J. EIDSON 3239</p> <p>Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239</p> |

GEODETIC COORDINATES
NAD 27 NME

Y=471515.7 N
X=834797.8 E

LAT.=32.291664° N
LONG.=103.249906° W

RECEIVED

DISTRICT I
1625 N. FRENCH DR., DUNSM, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARIZONA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artes, NM 87410

DISTRICT IV
1820 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANKLIN, NM 87505
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

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|---------------|--------------------|------------------------|
| API Number | Pool Code | Pool Name |
| | 37240 | Langhe Mattix (L 1R-Q) |
| Property Code | Property Name | Well Number |
| 303916 | NM AA STATE | 8 |
| OGRID No. | Operator Name | Elevation |
| 143199 | EnerVest Operating | 3379' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G | 22 | 23-S | 36-E | | 1980 | NORTH | 1805 | EAST | LEA |

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 | Joint or Infill | Consolidation Code | Order No. |
| 40 | | | |

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>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 1-15-08 Signature Date Gary Miller Printed Name Agent</p> |
| | <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p><i>[Signature]</i> Signature Seal of Professional Surveyor Date of Survey JANUARY 11, 2008 DSS Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3230</p> |
| | <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=471515.7 N X=834797.8 E</p> <p>LAT.=32.291664° N LONG.=103.249906° W</p> |

NM AA State #8

Offset wells in this area indicate that the Jalmat field comprises the majority of production, versus the Langlie Mattix.

Percentage allocation is based on the following information:

| | |
|---------------------|-----------------|
| Jalmat (T-Y-7R) Gas | 2928' – 3545' |
| | 1 SPF |
| | Total Shots =34 |
| | 34/39 =87% |

| | |
|-------------------------------|-----------------|
| Langlie Mattix (7R-Q-G) (Oil) | 3592' – 3700' |
| | 1 SPF |
| | Total Shots = 5 |
| | 5/39 =13% |

For future drilling in this area:

1. Where more than one Pool/zone is perforated, we will file Form C-103 Sundry prior to work being done for NMOCD approval.
2. If commingling is needed, we will test pools individually.