

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 12b-25

NOTIFICATION OF LATE FILING

OMB APPROVAL

OMB Number 3235-0058  
Expires: March 31, 2006  
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hours per response .. 2.50

SEC FILE NUMBER

CUSIP NUMBER

(Check One):  Form 10-K  Form 20-F  Form 11-K  Form 10-Q  Form 10-D  Form N-SAR  Form N-CSR

For Period Ended: March 31, 2005

- Transition Report on Form 10-K  
 Transition Report on Form 20-F  
 Transition Report on Form 11-K  
 Transition Report on Form 10-Q  
 Transition Report on Form N-SAR

For the Transition Period Ended: \_\_\_\_\_

*Read Instruction (on back page) Before Preparing Form. Please Print or Type.*

**Nothing in this form shall be construed to imply that  
the Commission has verified any information contained herein.**

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

**PART I — REGISTRANT INFORMATION**

Crosstex Energy, L.P.

Full Name of Registrant

Not Applicable

Former Name if Applicable

2501 Cedar Springs, Suite 600

Address of Principal Executive Office (*Street and Number*)

Dallas, Texas 75201

City, State and Zip Code

**PART II — RULE 12b-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate.)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

**PART III — NARRATIVE**

State below in reasonable detail the reason why Forms 10-K, 20-F, 11-K, 10-Q, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

On January 1, 2005, Crosstex Energy, L.P. (the "Registrant") implemented an enterprise-wide accounting system. The closing process under this new system for the three months ended March 31, 2005, which is the first periodic reporting period under this new system, has been slower than the Registrant expected. The Registrant expects that the closing process will be faster in the future.

SEC 1344 (03-05)

**Persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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**PART IV — OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification

William W. Davis	(214)	953-9500
(Name)	(Area Code)	(Telephone Number)

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed ? If answer is no, identify report(s). Yes  No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof? Yes  No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

The Registrant had a 44% decrease in net income for the three months ended March 31, 2005 as compared to the three months ended March 31, 2004. The factors contributing to the decrease were described in a press release furnished as Exhibit 99.1 to the Registrant's Current Report on Form 8-K filed on May 10, 2005.

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Crosstex Energy, L.P.

(Name of Registrant as Specified in Charter)

Has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date: May 10, 2005

By: /s/ William W. Davis

Name: William W. Davis

Title: Executive Vice President and Chief Financial Officer

**INSTRUCTION:** The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

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**ATTENTION**

**Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).**

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**GENERAL INSTRUCTIONS**

1. This form is required by Rule 12b-25 (17 CFR 240.12b-25) of the General Rules and Regulations under the Securities Exchange Act of 1934.
2. One signed original and four conformed copies of this form and amendments thereto must be completed and filed with the Securities and Exchange Commission, Washington, D.C. 20549, in accordance with Rule 0-3 of the General Rules and Regulations under the Act. The information contained in or filed with the form will be made a matter of public record in the Commission files.
3. A manually signed copy of the form and amendments thereto shall be filed with each national securities exchange on which any class of securities of the registrant is registered.
4. Amendments to the notifications must also be filed on Form 12b-25 but need not restate information that has been correctly furnished. The form shall be clearly identified as an amended notification.

5. *Electronic Filers:* This form shall not be used by electronic filers unable to timely file a report solely due to electronic difficulties. Filers unable to submit reports within the time period prescribed due to difficulties in electronic filing should comply with either Rule 201 or Rule 202 of Regulation S-T (§232.201 or §232.202 of this chapter) or apply for an adjustment in filing date pursuant to Rule 13(b) of Regulation S-T (§232.13(b) of this chapter).