

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

Schedule 13G

Under the Securities Exchange Act of 1934

CrossTex Energy, L.P.  
(Name of Issuer)

Senior Subordinated Series C Units  
(Title of Class of Securities)

22765U201  
(CUSIP Number)

August 4, 2006  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

CUSIP No. ....22765U201

1) Name of Reporting Person.....Lehman Brothers Holdings Inc.  
S.S. or I.R.S. Identification No. of Above Person.....13-3216325

2) Check the Appropriate Box if a Member of a Group..... (a)   
(b)

3) SEC Use Only

4) Citizenship or Place of Organization.....Delaware

Number of Shares Beneficially Owned by Each Reporting Person With:

5) Sole Voting Power.....1,496,790

6) Shared Voting Power.....-0-

7) Sole Dispositive Power.....1,496,790

8) Shared Dispositive Power.....-0-

9) Aggregate Amount Beneficially Owned by Each Reporting Person.....1,496,790

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares.....

11) Percent of Class Represented by Amount in Row 9.....11.7%(1)

12) Type of Reporting Person.....HC

(1) Based on 12,829,650 Senior Subordinated Series C Units outstanding as of July 1, 2006 as disclosed in the Form S-3 filed by the Issuer on July 21, 2006.

CUSIP No. ....22765U201

1) Name of Reporting Person.....Lehman Brothers Inc.  
S.S. or I.R.S. Identification No. of Above Person.....13-2518466

2) Check the Appropriate Box if a Member of a Group..... (a)   
(b)

3) SEC Use Only

4) Citizenship or Place of Organization.....Delaware

Number of Shares Beneficially Owned by Each Reporting Person With:

- 5) Sole Voting Power.....1,496,790
- 6) Shared Voting Power.....-0-
- 7) Sole Dispositive Power.....1,496,790
- 8) Shared Dispositive Power.....-0-
- 9) Aggregate Amount Beneficially Owned by Each Reporting Person.....1,496,790
- 10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares.....[ ]
- 11) Percent of Class Represented by Amount in Row 9.....11.7%(1)
- 12) Type of Reporting Person.....BD

(1) Based on 12,829,650 Senior Subordinated Series C Units outstanding as of July 1, 2006 as disclosed in the Form S-3 filed by the Issuer on July 21, 2006.

CUSIP No. ....22765U201

- 1) Name of Reporting Person.....LB I Group Inc.  
S.S. or I.R.S. Identification No. of Above Person.....13-2741778
- 2) Check the Appropriate Box if a Member of a Group.....(a) [ ]  
(b) [ ]
- 3) SEC Use Only
- 4) Citizenship or Place of Organization.....Delaware

Number of Shares Beneficially Owned by Each Reporting Person With:

- 5) Sole Voting Power.....1,496,790
- 6) Shared Voting Power.....-0-
- 7) Sole Dispositive Power.....1,496,790
- 8) Shared Dispositive Power.....-0-
- 9) Aggregate Amount Beneficially Owned by Each Reporting Person.....1,496,790
- 10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares.....[ ]
- 11) Percent of Class Represented by Amount in Row 9.....11.7%(1)
- 12) Type of Reporting CityplacePerson.....CO

(1) Based on 12,829,650 Senior Subordinated Series C Units outstanding as of July 1, 2006 as disclosed in the Form S-3 filed by the Issuer on July 21, 2006.

CUSIP No. ....22765U201

- 1) Name of Reporting Person.....Lehman Brothers MLP  
Associates, L.P.  
S.S. or I.R.S. Identification No. of Above Person.....20-4916814
- 2) Check the Appropriate Box if a Member of a Group.....(a) [ ]  
(b) [ ]
- 3) SEC Use Only
- 4) Citizenship or Place of Organization.....Delaware

Number of Shares Beneficially Owned by Each Reporting Person With:

- 5) Sole Voting Power.....1,496,790
- 6) Shared Voting Power.....-0-
- 7) Sole Dispositive Power.....1,496,790
- 8) Shared Dispositive Power.....-0-
- 9) Aggregate Amount Beneficially Owned by Each Reporting Person.....1,496,790
- 10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares.....[ ]

11) Percent of Class Represented by Amount in Row 9.....11.7%(1)

12) Type of Reporting Person.....PN

(1) Based on 12,829,650 Senior Subordinated Series C Units outstanding as of July 1, 2006 as disclosed in the Form S-3 filed by the Issuer on July 21, 2006.

CUSIP No. ....22765U201

1) Name of Reporting Person.....Lehman Brothers MLP Partners, L.P.

S.S. or I.R.S. Identification No. of Above Person.....20-4916839

2) Check the Appropriate Box if a Member of a Group.....(a) [ ] (b) [ ]

3) SEC Use Only

4) Citizenship or Place of Organization.....Delaware

Number of Shares Beneficially Owned by Each Reporting Person With:

5) Sole Voting Power.....1,496,790

6) Shared Voting Power.....-0-

7) Sole Dispositive Power.....1,496,790

8) Shared Dispositive Power.....-0-

9) Aggregate Amount Beneficially Owned by Each Reporting Person.....1,496,790

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares.....[ ]

11) Percent of Class Represented by Amount in Row 9.....11.7%(1)

12) Type of Reporting Person.....PN

(1) Based on 12,829,650 Senior Subordinated Series C Units outstanding as of July 1, 2006 as disclosed in the Form S-3 filed by the Issuer on July 21, 2006.

Item 1(a). Name of Issuer:  
CrossTex Energy, L.P.

Item 1(b). Address of Issuer's Principal Executive Offices:  
Cedar Springs  
Suite 600  
Dallas, Texas 75201

Item 2(a). Name of Person(s) Filing:  
Lehman Brothers Holdings Inc.  
Lehman Brothers Inc.  
LB I Group Inc.  
Lehman Brothers MLP Associates, L.P.  
Lehman Brothers MLP Partners, L.P.

Item 2(b). Address of Principal Business Office:  
Lehman Brothers Holdings Inc.  
745 Seventh Avenue  
New York, New York 10019  
Lehman Brothers Inc.  
745 Seventh Avenue  
New York, New York 10019  
LB I Group Inc.  
745 Seventh Avenue  
New York, New York 10019  
Lehman Brothers MLP Associates, L.P.  
399 Park Avenue  
New York, New York 10022  
Lehman Brothers MLP Partners, L.P.  
399 Park Avenue  
New York, New York 10022

Item 2(c). Citizenship or Place of Organization:

Lehman Brothers Holdings Inc. ("Holdings") is a corporation organized under the laws of the State of Delaware.

Lehman Brothers Inc. ("LBI") is a corporation organized under the laws of the State of Delaware.

LB I Group Inc. ("LB I Group") is a corporation organized under the laws of the State of Delaware.

Lehman Brothers MLP Associates, L.P. ("LB MLP Associates") is a limited partnership organized under the laws of the State of Delaware.

Lehman Brothers MLP Partners, L.P. ("LB MLP Partners") is a limited partnership organized under the laws of the State of Delaware.

Item 2(d). Title of Class of Securities:

Senior Subordinated Series C Units

Item 2(e). CUSIP Number:

22765U201

Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

- (a)  A broker or dealer under Section 15 of the 1934 Act
- (b)  A bank as defined in Section 3(a)(6) of the 1934 Act
- (c)  An insurance company as defined in Section 3(a)(19) of the 1934 Act
- (d)  An investment company registered under Section 8 of the Investment Company Act of 1940
- (e)  An investment advisor in accordance with Rule 13d-1(b)(1)(ii)(E)
- (f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F)
- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G)
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act
- (i)  A church plan that is excluded from the definition of investment company under Section 3(c)(14) of the Investment Company Act of 1940
- (j)  A group, in accordance with Rule 13d-1(b)(1)(ii)(J)

Item 4. Ownership

(a) Amount Beneficially Owned

See Item 9 of cover page.

(b) Percent of Class:

See Item 11 of cover page.

(c) Number of shares as to which the person has:

- (i) sole power to vote or to direct the vote
- (ii) shared power to vote or to direct the vote
- (iii) sole power to dispose or to direct the disposition
- (iv) shared power to dispose or to direct the disposition

See Items 5-8 of cover page.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [ ].

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not Applicable

Item 7. Identification and Classification of the Subsidiary which Acquired

the Security being Reported on by the Parent Holding Company or Control Person

LB MLP Partners is the actual owner of the Senior Subordinated Series C Units reported herein. LB MLP Associates is the general partner of LB MLP Partners. LB I Group is the general partner of LB MLP Associates and a wholly-owned subsidiary of LBI, which is a wholly-owned subsidiary of Holdings.

Under the rules and regulations of the Securities and Exchange Commission, LB MLP Associates, LB I Group, LBI and Holdings may be deemed to be the beneficial owners of the Senior Subordinated Series C Units owned by LB MLP Partners.

Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of Group

Not Applicable

Item 10. Certification

[ ] By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

[X] By signing below I hereby certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

After reasonable inquiry and to the best of the undersigned's knowledge and belief, the undersigned hereby certifies that the information set forth in this statement is true, complete and correct.

Dated: August 10, 2006

LEHMAN BROTHERS HOLDINGS INC.

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Vice President

LEHMAN BROTHERS INC.

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Vice President

LB I GROUP INC.

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Authorized Signatory

LEHMAN BROTHERS MLP ASSOCIATES, LP

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Authorized Signatory

LEHMAN BROTHERS MLP PARTNERS, LP

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Authorized Signatory

EXHIBIT A - JOINT FILING AGREEMENT

The undersigned hereby agree that the Statement on Schedule 13G filed herewith (and any amendments thereto), is being filed jointly with the Securities and Exchange Commission pursuant to Rule 13d-1(k) (1) under the Securities Exchange Act of 1934, as amended, on behalf of each such person.

Dated: August 10, 2006

LEHMAN BROTHERS HOLDINGS INC.

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Vice President

LEHMAN BROTHERS INC.

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Vice President

LB I GROUP INC.

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Authorized Signatory

LEHMAN BROTHERS MLP ASSOCIATES, LP

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Authorized Signatory

LEHMAN BROTHERS MLP PARTNERS, LP

By: /s/ Rashid Alvi  
Name: Rashid Alvi  
Title: Authorized Signatory