NuStar Energy L.P. Form 4 October 26, 2007

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * Shoaf Thomas R

(First)

(Street)

(State)

2330 NORTH LOOP 1604 WEST

(Middle)

(Zip)

2. Issuer Name and Ticker or Trading

Symbol

NuStar Energy L.P. [NS]

3. Date of Earliest Transaction

(Month/Day/Year)

10/24/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(Check all applicable)

Director 10% Owner

X_ Officer (give title Other (specify below) Vice President and Controller

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

D

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SAN ANTONIO, TX 78248

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Transaction(s) (Instr. 3 and 4)

3,121

or (D) Price

(A)

Common 10/24/2007 Units

Code V Amount 1,320 A \$0 (1)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title a		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/		Underly Securitie (Instr. 3	ring es	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	lumber		

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 9	Director	10% Owner	Officer	Other			
Shoaf Thomas R			Vice				
2330 NORTH LOOP 1604 WEST			President and				
SAN ANTONIO, TX 78248			Controller				

Signatures

Amy L. Perry as Attorney-in-Fact for Thomas R. Shoaf

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Award of restricted units. The restricted units vest annually in equal increments over a five-year period beginning November 2008.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential 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 number.

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