## FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	DC	205/19
vvasiliilytuii,	D.C.	20049

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  GREEHEY WILLIAM E						NuStar Energy L.P. [ NS ]										olicable)	g Person(s) to	Owner	
(Last) 2330 NO	ast) (First) (Middle) 330 NORTH LOOP 1604 WEST							3. Date of Earliest Transaction (Month/Day/Year) 03/04/2010								er (give title w)	Othe belo	er (specify w)	
(Street) SAN ANTONIO TX 78248 (City) (State) (Zip)					_ 4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv _ine) X	Form	or Joint/Group Filing (Check Applicable rm filed by One Reporting Person rm filed by More than One Reporting rrson			
		Tabl	e I - N	Non-Deriv	/ative	Seci	uritie	s Ac	quire	ed, Di	sposed o	f, or E	Benefic	ially (	Owne	ed			
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Ye				- 1	Execution Date,		ite,			4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			d 5) Secu Bene		ficially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect		
									Code	v .	Amount	(A) or (D)	Price		Trans	action(s) 3 and 4)		(11150.4)	
Common Units 03/04/201					010	.0			P		50,000	A	\$58.01	.84(1)	8	89,871	D		
		Та	ble II								osed of, convertib				vned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execu if any			ection Instr.	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)				ive derivative y Securities	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	or Number of Shares						

## Explanation of Responses:

1. This transaction was executed in multiple trades at prices ranging from \$57.63 per unit to \$58.56 per unit. The price reported above reflects the weighted average purchase price. Note that due to field restrictions in Table I, Column 4, the last decimal place does not appear. The total weighted average purchase price is actually \$58.01839. Upon request from the Securities and Exchange Commission or a unitholder of the issuer, full information regarding the number of units purchased at each seperate price will be made available.

/s/ Matthew D. Willcox, as

Attorney-in-Fact for William

E. Greehey

\*\* Signature of Reporting Person

Date

03/04/2010

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

- $^{\star}$  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).

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

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