HOUSTON EXPLORATION CO Form SC 13D/A May 16, 2006

> UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13D Under the Securities Exchange Act of 1934 (Amendment No. 5) *

THE HOUSTON EXPLORATION COMPANY

(Name of Issuer)

Common Stock, \$0.01 Par Value

(Title of Class of Securities)

442120101

-----(CUSIP Number)

Marc Weingarten, Esq. Schulte Roth & Zabel LLP 919 Third Avenue New York, New York 10022 (212) 756-2000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

May 16, 2006

(Date of Event which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box. []

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

(Continued on following pages)

(Page 1 of 5 Pages)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange

Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP NO.	4421201	.01	SCHEDULE 13D PAGE	E 2 OF 5 PAGES			
1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) JANA PARTNERS LLC						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [] (b) []						
3	SEC USE ONLY						
4	SOURCE OF FUNDS*						
	AF						
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)						
6	CITIZENSHIP OR PLACE OF ORGANIZATION						
	Delaware						
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		7	SOLE VOTING POWER				
			2,617,700				
		8	SHARED VOTING POWER				
	Y		-0-				
		9	SOLE DISPOSITIVE POWER				
			2,617,700				
		10	SHARED DISPOSITIVE POWER				
			-0-				
11	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH PERSON				
			2,617,700				
12	CHECK BOX CERTAIN SE		AGGREGATE AMOUNT IN ROW (11) EXCLU	JDES			
13	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (11)				

	9.0%					
14	TYPE OF REPORTING PERSON*					
	IA					
	* SEE INSTR	CUCTIONS BEFORE FILLING (DUT!			
CUSIP NO.	442120101	SCHEDULE 13D	PAGE 3 OF 5 PAGES			
Delaware 1: shares ("Sh Company (th 13D filed of 24, 2006, A Amendment h	imited liability companares") of common stoche "Issuer"), as previon April 17, 2006, Ame Amendment No. 3 to the No. 4 to the Schedule	endment No. 2 to the Sche e Schedule 13D filed on A 13D filed on May 3, 2006 is Amendment No. 5 to th	on"), relating to the The Houston Exploration ent No. 1 to the Schedule edule 13D filed on April April 28, 2006, and 5, is hereby further			
Item 4 following:	of the Schedule 13D i	s hereby amended by the	addition of the			
to the Boar aggressive the demands	rd challenging the Boa ly pursuing the maximi s of their shareholder	orting Person issued a property of the prove to sharehold zation of shareholder value. A copy of the press ras Exhibit F and is income.	alue and to respond to release with the letter			
Item 7.	MATERIAL TO BE	FILED AS EXHIBITS				
Item 7 of t	the Schedule 13D is he	reby amended by the addi	ition of the following:			
6. Exhibit	F - Press release wit	h the letter to the Boar	rd, dated May 16, 2006.			
CUSIP NO.	442120101	SCHEDULE 13D	PAGE 5 OF 5 PAGES			

SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: May 16, 2006

JANA PARTNERS LLC

BY: /s/ Barry Rosenstein Name: Barry Rosenstein

Title: Managing Partner

BY: /s/ Gary Claar _____

Name: Gary Claar

Title: Managing Director