

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL

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1. Name and Address of Reporting Person*	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
MENDELSON ERIC A	HEICO CORP [HEI, HEI.A]	X Director 10% Owner
(Last) (First) (Middle)	3. Date of Earliest Transaction (Month/Day/Year)	X Officer (give title below) Other (specify below)
825 BRICKELL BAY DRIVE, SUITE 1644	12/29/2009	Co- President
(Street)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)
MIAMI FL 33131		X Form filed by One Reporting Person
(City) (State) (Zip)		Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Class A Common								37,987	D	
Common Stock	12/31/2009		G	V	350	D	\$0	30,080	D	
Class A Common Stock	12/29/2009		G	V	600	D	\$0	64,109	I	Owned by Corporation ⁽¹⁾
Common Stock								82,360	I	Owned by Partnership ⁽²⁾
Common Stock								950	I	As custodian for minor children
Class A Common Stock								1,094	I	As custodian for minor children
Common Stock								21,059	I	By 401(k) ⁽³⁾
Class A Common Stock								19,546	I	By 401(k) ⁽³⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		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. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. Represents shares owned by Mendelson International Corporation whose stock is owned solely by the Reporting Person and Victor Mendelson, the brother of the Reporting Person.

2. Represents shares owned by EAM Management Limited Partners, a partnership whose sole general partner is a corporation controlled by the Reporting Person.

3. Represents shares held for the benefit of the Reporting Person by the HEICO Corporation 401(k), based on a plan statement dated January 3, 2010..

Remarks:

Eric A Mendelson 01/04/2010

** Signature of Reporting Person Date

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

* 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.