#### MITCHAM INDUSTRIES INC

Form 4

September 12, 2006

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

**OMB APPROVAL** 

**OMB** 3235-0287 Number:

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Check this box if no longer

subject to Section 16. Form 4 or Form 5

obligations

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

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading MITCHAM BILLY F JR Issuer Symbol MITCHAM INDUSTRIES INC (Check all applicable) [MIND] (Last) (First) (Middle) 3. Date of Earliest Transaction \_X\_ Director 10% Owner X\_ Officer (give title Other (specify (Month/Day/Year) below) 8141 SH 75 SOUTH 09/11/2006 CEO & President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting **HUNTSVILLE, TX 77342** Person

(City)	(State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Bend								lly Owned	
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securi		or	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect	
(Instr. 3)	• •	any	Code	Code Disposed of (D)		))	Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)			Owned Following	Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)			
Common Stock	09/11/2006		A	9,000 (1)	A	\$0	343,500	D		
Common Stock							59,594	I	See footnote (2)	

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

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

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Month/Day/Tear)	any (Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/		Underly Securiti (Instr. 3	ying ies	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

## **Reporting Owners**

Reporting Owner Name / Address	Relationships						
•	Director	10% Owner	Officer	Other			
MITCHAM BILLY F JR							
8141 SH 75 SOUTH	X		CEO & President				
HUNTSVILLE, TX 77342							

### **Signatures**

Billy F. 09/12/2006 Mitcham, Jr. \*\*Signature of Date Reporting Person

# **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) Restricted Stock vests 1/3 each year for 3 years beginning on 9/11/2007 and being fully vested on 9/11/2009.
- (2) Mr. Mitcham holds these shares in two trusts for his sons.

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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