FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

ington, D.C. 20549	OMB APPROVAL

	OMB Number:	3235-0287
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1	hours por rosponso:	0.5

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

1. Name and Address of Reporting Person*  LEWIS R DEAN						2. Issuer Name <b>and</b> Ticker or Trading Symbol MITCHAM INDUSTRIES INC [ MIND ]									lationship o ck all applica Director Officer (	able)	g Perso	10% Ov	vner
(Last) (First) (Middle) C/O COLLEGE OF BUSINESS ADMINISTRATION						3. Date of Earliest Transaction (Month/Day/Year) 07/27/2010									below)			below)`	
P.O. BOX 2056 SHSU					4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) HUNTSVILLE TX 77341													X	X Form filed by One Reporting Person  Form filed by More than One Reporting  Person					
(City)	(S	State)	(Zip)																
		Tal	ole I - Non	-Deriv	/ativ	e Se	curitie	s Ac	quired,	Dis	posed of	f, or Be	nefi	cially	Owned				
1. Title of Security (Instr. 3)  2. Transa Date (Month/D						Execution if any	A. Deemed xecution Date, any Month/Day/Year)		Transaction Disposed Code (Instr. 5)		ies Acquir Of (D) (Ins	ed (A) str. 3,	4 and Securitie Beneficia Owned F		s illy ollowing	Form	: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) o (D)	r P	rice	Reported Transacti (Instr. 3 a	tion(s)			(Instr. 4)
MII Common Stock 07/27/				7/201	7/2010		A		2,500	(1) A :		\$7.2	12,	12,500		D			
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 D if any (Month/Day/	ate, T	ransac Code (I		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Ex Expiration (Month/Da	Date	of Securities		urity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly [	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				c	Code	v	(A)	(D)	Date Exercisab		Expiration Date	Title	or Nur of	ount mber ares					
Options to Purchase Common Stock	\$7.2	07/27/2010			A		10,000		07/27/2010	o <sup>(2)</sup>	07/27/2020	MII Common Stock	10	,000	\$7.2	10,000	0	D	

## **Explanation of Responses:**

- 1. Restricted Stock vests upon grant.
- 2. Options vest upon grant.

## Remarks:

/s/ Billy F. Mitcham, Jr., Attorney-in-Fact

07/28/2010

\*\* Signature of Reporting Person

Date

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.