

MITCHAM INDUSTRIES INC  
Form 4  
June 16, 2010

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
BLUM PETER H

2. Issuer Name and Ticker or Trading Symbol  
MITCHAM INDUSTRIES INC  
[MIND]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
06/16/2010

Director  10% Owner  
 Officer (give title below)  Other (specify below)

4 TRAPPING WAY

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

PLEASANTVILLE, NY 10570

(City) (State) (Zip)

**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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  | Code                           | V   | Amount  | (A) or (D)   | Price                             |
| MIND Common Stock               | 06/16/2010                           |  | P                              |   | 15,000  | A  | \$ 5.13                           |
| MIND Common Stock               | 06/16/2010                           |  | P                              |   | 15,000  | A  | \$ 5                              |
| MIND Common Stock               |                                      |  |                                |   |   |  | 12,500                            |
|                                 |                                      |  |                                |   |   | I  | See footnote (1)                  |

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

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(9-02)

**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 Underlying Securities (Instr. 3 and 4) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Option to Purchase Common Stock            | \$ 5.13  | 06/16/2010                           |  | M                              | 15,000  | 07/27/2000 07/27/2010                                    | Common Stock  | 15,000                     |
| Option to Purchase Common Stock            | \$ 5   | 06/16/2010                           |  | M                              | 15,000  | 07/18/2001 07/18/2011                                    | Common Stock  | 15,000                     |

## Reporting Owners

| Reporting Owner Name / Address                            | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| BLUM PETER H<br>4 TRAPPING WAY<br>PLEASANTVILLE, NY 10570 |               | X         |         |       |

## Signatures

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

06/16/2010

\*\*Signature of Reporting Person

Date

## 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) Includes 6,000 shares owned by Mr. Blum's spouse and 6,500 shares owned by Mr. Blum's minor son.

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

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