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

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**SCHEDULE 14A**

**Proxy Statement Pursuant to Section 14(a) of the  
Securities Exchange Act of 1934**

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Filed by the Registrant       Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material under Rule 14a-12

**Mitcham Industries, Inc.**

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.
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| (1) | Amount Previously Paid:                       | _____ |
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| (3) | Filing Party:                                 | _____ |
| (4) | Date Filed:                                   | _____ |
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**MITCHAM INDUSTRIES, INC.**

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P.O. BOX 1175  
HUNTSVILLE, TEXAS 77342-1175

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**SUPPLEMENT DATED JULY 26, 2018  
TO PROXY STATEMENT DATED MAY 30, 2018  
FOR THE  
ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD AUGUST 2, 2018**

On May 30, 2018, Mitcham Industries, Inc. (the “Company”) filed a definitive proxy statement (the “Proxy Statement”) with the Securities and Exchange Commission, which was recently distributed in connection with the Company’s Annual Meeting of Shareholders scheduled for August 2, 2018 (the “Annual Meeting”). The Company’s Board of Directors established the close of business on June 4, 2018 as the record date for determining the shareholders entitled to notice of and to vote at the Annual Meeting, and any adjournment or postponement thereof. The Company is filing this supplement to its Proxy Statement (the “Supplement”) solely to disclose that as of the close of business on June 4, 2018, the record date for the Annual Meeting, 12,089,399 shares of common stock were issued and outstanding and 700,402 shares of preferred stock were issued and outstanding, all of which are entitled to vote at the Annual Meeting.

This Supplement does not change or update any of the other disclosures contained in the Proxy Statement.