SECURITIES AND EXCHANGE COMMISS WASHINGTON, D.C. 20549	SION
SCHEDULE 13G (Rule 13d-102)	
INFORMATION TO BE INCLUDED IN TO RULES 13d-1(b),(c), AND (d) PURSUANT TO RULE 13d-2(b) (Amendment No. 5)1	
MITCHAM INDUSTRIES, INC. (Name of Issuer)	
COMMON STOCK (Title of Class of Securities)	
606501104 (CUSIP Number)	
12/31/2001 (Date of Event Which Requires	Filing of this Statement)
Check the appropriate box to de Schedule is filed:	esignate the rule pursuant to which this
[X] Rule 1	3d-1 (b)
[] Rule 1	3d-1 (c)
[] Rule 1	3d-1 (d)
to the subject class of securamendment containing informat disclosures provided in a primare information required in the securities Exchange Act of the liabilities of that securities	ion which would alter the
[Continued on the following pa	ges]
CUSIP No. 606501104 13	
1. NAMES OF REPORTING PERSON: I.R.S. IDENTIFICATION NO.	S OF ABOVE PERSONS (ENTITIES ONLY)
Wellington Management 04-2683227	Company, LLP
2. CHECK THE APPROPRIATE BOX	(a)[] (b)[]
3. SEC USE ONLY	
4. CITIZENSHIP OR PLACE OF O	
	5. SOLE VOTING POWER
NUMBER OF SHARES	0
BENEFICIALLY OWNED BY	6. SHARED VOTING POWER
EACH REPORTING	423,800
PERSON WITH	7. SOLE DISPOSITIVE POWER 0

8. SHARED DISPOSITIVE POWER 596,900

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
596,900
10. CHECK BOX IF AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.80%
12. TYPE OF REPORTING PERSON IA
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Item 1(a). Name of Issuer:
MITCHAM INDUSTRIES, INC.
Item 1(b). Address of Issuer's Principal Executive Offices:
44000 Highway 75 South Huntsville TX 77340
Item 2(a). Name of Person Filing:
Wellington Management Company, LLP (``WMC``)
Item 2(b). Address of Principal Business Office or, if None, Residence:
75 State Street Boston, Massachusetts 02109
Item 2(c). Citizenship:
Massachusetts
Item 2(d). Title of Class of Securities:
COMMON STOCK
Item 2(e). CUSIP Number:
606501104
Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:
(a) [] Broker or dealer registered under Section 15 of the Act.
(b) [] Bank as defined in Section 3(a)(6) of the Act.
<pre>(c) [] Insurance Company as defined in Section 3(a)(19) of</pre>
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(d) [] Investment Company registered under Section 8 of the Investment Company Act.
<pre>(e) [X] An investment adviser in accordance with</pre>
<pre>(f) [] An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);</pre>
<pre>(g) [] A parent holding company or control person in accordance</pre>

- (h) [] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) [] A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box $[\]$

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: WMC, in its capacity as investment adviser, may be deemed to beneficially own 596,900 shares of the Issuer which are held of record by clients of WMC.
- (b) Percent of class: 6.80%
- (c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote(ii) Shared power to vote or to direct the vote423,800

(iii) Sole power to dispose or to direct the disposition of 0

(iv) Shared power to dispose or to direct the disposition of 596,900

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following

[].

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

The securities as to which this Schedule is filed by WMC, in its capacity as investment adviser, are owned of record by clients of WMC. Those clients have the right to receive, or the power to direct the receipt of, dividends from, or the proceeds from the sale of, such securities. No such client is known to have such right or power with respect to more than five percent of this class of securities, except as follows:

None

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

Not Applicable. This schedule is not being filed Pursuant to Rule 13d-1(b)(1)(ii)(J) or Rule 13d-1(d).

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certification.

(a) The following certification shall be included if the statement is filed pursuant to Rule 13d-1(b): "By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the

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effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection withor as a participant in any transaction having that purpose or effect. "

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

By:--//Brian P. Hillery//-Name: Brian P. Hillery
Title: Vice President
Date: February 14, 2002

 $^{^{\}star}$ Signed pursuant to a Power of Attorney dated January 15, 1997 and filed with the SEC on January 24, 1997.