SECURITIES AND EWASHINGTON, D.C		ISSION			
SCHEDULE 13G (Rule 13d-102)					
INFORMATION TO B TO RULES 13d-1(I PURSUANT TO RULE (Amendment No. 3	b),(c), AND (c E 13d-2(b)				
MITCHAM INDUSTRI (Name of Issuer					
COMMON STOCK (Title of Class	of Securities	s)			
606501104 (CUSIP Number)					
12/31/1999 (Date of Event N	√hich Requires	s Filing o	f this Stateme	nt)	
Check the appropriate Schedule is file		designate	the rule purs	uant to which this	
	[ X ] Rule	13d-1 (b)			
	[ ] Rule	13d-1 (c)			
	[ ] Rule	13d-1 (d)			
to the subject amendment condisclosures  The information of be deemed the Securities to the liabilizing amendment of the subject of the subje	erson's initia ect class of s ontaining info provided in a on required ir to be "filed' s Exchange Act ities of that	al filing securities ormation was prior continuous the remain for the continuous of 1934 section o	on this form w , and for any hich would alt ver page. inder of this purpose of Sec (the "Act") or	ith respect subsequent er the  cover page shall tion 18 of otherwise subject shall be subject	
[Continued on t	ne following p	pages]			
CUSIP No. 60650		13G		Page 2 of 6 Pages	
1. NAMES OF RE	EPORTING PERSO	ONS	E PERSONS (ENT		
Welling 04-268	gton Managemer 3227	nt Company	, LLP		
2. CHECK THE	APPROPRIATE BO	OX IF THE	MEMBER OF A GR	OUP (a)[ ] (b)[ ]	
3. SEC USE ONI					
4. CITIZENSHI			ION		
			VOTING POWER		
NUMBER OF		0			
SHARES BENEFICIALLY			6. SHARED VOTING POWER		
OWNED BY EACH		5	95,000		
REPORTING					
PERSON		7. SOLE DISPOSITIVE POWER			

## 8. SHARED DISPOSITIVE POWER

895,000
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
895,000
LO. CHECK BOX IF AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES [ ]
L1. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 9.37%
L2. TYPE OF REPORTING PERSON IA
CUSIP No. 606501104 13G Page 3 of 6 Pages
Item 1(a). Name of Issuer:
MITCHAM INDUSTRIES, INC.
Item 1(b). Address of Issuer's Principal Executive Offices:
44000 Highway 75 South, PO Box 1175 Huntsville TX 77342
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.
(c) [ ] Insurance Company as defined in Section 3(a)(19) of the Act.
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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>
(g) [ ] A parent holding company or control person in accordance

with Rule 13d-1(b)(1)(ii)(G); see item 7;

- (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 895,000 shares of the Issuer which are held of record by clients of WMC.
- (b) Percent of class: 9.37%
- (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 vote595,000

895,000

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

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

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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

CUSIP No. 606501104

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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: Assistant Vice President

Date: February 9, 2000

<sup>\*</sup> Signed pursuant to a Power of Attorney dated January 15, 1997 and filed with the SEC on January 24, 1997.