

MICROMET, INC.  
Form 4  
July 23, 2007

**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 \*  
**PHILLIPS BARCLAY A**

(Last) (First) (Middle)

**C/O MICROMET, INC., 6707  
DEMOCRACY BLVD., SUITE 505**

(Street)

**BETHESDA, MD 20817**

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**MICROMET, INC. [MITI]**

3. Date of Earliest Transaction  
(Month/Day/Year)  
**06/28/2007**

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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

**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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Beneficial Ownership (Instr. 4)
				(A) or (D)	Amount		
				Code	V		
					Amount		
				(D)	Price		

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

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SEC 1474 (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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock option (right to buy)	\$ 2.33	06/28/2007 <sup>(1)</sup>	A	17,500 <u>(2)</u>					<u>(3)</u>	06/27/2017	Common Stock	17,500

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
PHILLIPS BARCLAY A C/O MICROMET, INC. 6707 DEMOCRACY BLVD., SUITE 505 BETHESDA, MD 20817	X			

## Signatures

/s/ Brian F. Leaf,  
attorney-in-fact

07/23/2007

        \*\*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) This option was granted in accordance with the issuer's director compensation policy, which provides for the grant of options as of the date of the issuer's annual meeting of stockholders.
- (2) Pursuant to the issuer's director compensation policy, the reporting person was granted a non-qualified stock option to purchase 15,000 shares of the issuer's common stock, and in his capacity as chairman of the issuer's nominating/corporate governance committee was granted an additional non-qualified stock option to purchase 2,500 shares of the issuer's common stock, in each case on the date of the issuer's annual meeting of stockholders.
- (3) This option vests in 12 equal monthly installments, beginning one month from the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.