Baeuerle Patrick Form 4 February 02, 2010

FORM 4

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

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 * Baeuerle Patrick

(Zip)

(First) (Middle) (Last)

(Street)

(State)

(Month/Day/Year)

WOLDPROMENADE 18C

GAUTING, 2M 82131

(City)

1. Title of

Security

(Instr. 3)

2. Issuer Name and Ticker or Trading Symbol

MICROMET, INC. [MITI]

3. Date of Earliest Transaction (Month/Day/Year) 01/29/2010

4. If Amendment, Date Original

Filed(Month/Day/Year)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction Date 2A. Deemed 3. 4. Securities Execution Date, if Code

(Month/Day/Year) (Instr. 8)

TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5)

(A)

Code V Amount (D) Price

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

OMB 3235-0287 Number:

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0.5

OMB APPROVAL

Estimated average burden hours per

response...

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify

below) below) SVP, CSO

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting

Person

Reported

5. Amount of 6. Ownership 7. Nature of

Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Ownership Owned (I) Following

(Instr. 4) (Instr. 4)

(9-02)

Transaction(s)

(Instr. 3 and 4)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code 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 (Month/Day/Year) (Instr. 8) Acquired (A) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Exercisable Expiration Title Date

Stock

Option (right to

\$ 3.16 01/29/2010(1) 36,458

01/29/2010(1) 03/31/2019

Common 36,45 Stock

Amount

(1)

or Number of Share

buy)

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Baeuerle Patrick

WOLDPROMENADE 18C

SVP, CSO

GAUTING, 2M 82131

Signatures

/s/ Ethan Danfer, Attorney-in-Fact

02/02/2010

**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).

On April 1, 2009, the Reporting Person was granted an option to purchase 62,500 shares of common stock, which was scheduled to vest based on the issuer's achievement of specified corporate performance criteria. On January 29, 2010, the compensation committee of the issuer's board of directors determined that the performance criteria were partially met, resulting in vesting of the option as to 36,458

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.

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