Hennecke Jens 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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

obligations may continue. See Instruction 1(b).

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 *

Hennecke Jens

2. Issuer Name and Ticker or Trading

Symbol MICROMET, INC. [MITI]

(First) (Last)

(Street)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 01/29/2010

4. If Amendment, Date Original

Filed(Month/Day/Year)

3.

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

SVP Business Development

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

MUNCHEN, 2M 81667

PARISER STRASSE 34

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

4. Securities

5. Amount of Securities Beneficially Owned Following

6. Ownership Form: Direct (D) or Indirect Beneficial (I) (Instr. 4)

7. Nature of Indirect Ownership (Instr. 4)

Reported (A) Transaction(s) (Instr. 3 and 4) 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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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 Amount or

Number of Share

(1)

Stock

Option (right to buy)

\$ 3.16 01/29/2010(1)

36,458 A

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

Date

Common

36,45 Stock

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Hennecke Jens PARISER STRASSE 34 **MUNCHEN, 2M 81667**

SVP Business Development

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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