

Lim Jonathan E
 Form 4/A
 December 27, 2017

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
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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 *
 Lim Jonathan E

 (Last) (First) (Middle)
 C/O IGNYTA, INC., 4545 TOWNE CENTRE COURT

 (Street)
 SAN DIEGO, CA 92121

 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 Ignyta, Inc. [RXDX]

 3. Date of Earliest Transaction (Month/Day/Year)
 12/22/2017

 4. If Amendment, Date Original Filed (Month/Day/Year)
 12/22/2017

5. Relationship of Reporting Person(s) to Issuer

 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 President, CEO & Director

 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 Ownership (Instr. 4)
Common Stock	12/22/2017		A	(A) Amount 68,334 (1)	(D) Price \$ 0	198,667	D
Common Stock						3,350,000 (3)	I

By City Hill Venture Partners I, LLC (2)

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

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SEC 1474 (9-02)

displays a currently valid OMB control number.

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Beneficially (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Lim Jonathan E C/O IGNYTA, INC. 4545 TOWNE CENTRE COURT SAN DIEGO, CA 92121	X		President, CEO & Director	

Signatures

/s/ Jonathan Lim 12/27/2017

**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) Represents the grant of restricted stock units to the Reporting Person. Each restricted stock unit represents a contingent right to receive one share of the Issuer's common stock. The restricted stock units will vest as to 25% of the shares underlying each award on each anniversary of the Grant Date, subject to the Reporting Person's continues service with the Company through the vesting date.

(2) The Reporting Person is the Manager of City Hill Ventures, LLC, which is the Manager of City Hill Ventures Partners I, LLC, and as such the Reporting Person and City Hill Ventures, LLC have the power to vote or dispose of the securities held of record by the Reporting Person and may be deemed to beneficially own those securities. The Reporting Person disclaims beneficial ownership of the securities held of record by the City Hill Venture Partners I, LLC except to the extent of his pecuniary interest therein.

(3) This amendment is being filed to disclose indirectly held shares that were inadvertently omitted from the original Form 4. There was no change in ownership of these indirectly held shares.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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