

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>PIMSTONE SIMON N.</u> (Last) (First) (Middle) <u>200 - 3650 GILMORE WAY</u> (Street) <u>BURNABY AI</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Xenon Pharmaceuticals Inc. [XENE]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;">CEO</p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/16/2019</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Shares	09/17/2019		M		36,008	A	\$3.7 ⁽¹⁾	264,143	D	
Common Shares	09/17/2019		F		10,769	D	\$9.44 ⁽²⁾	253,374	D	
Common Shares	09/17/2019		M		9,259	A	\$3.07 ⁽¹⁾	262,633	D	
Common Shares	09/17/2019		F		2,769	D	\$9.44 ⁽²⁾	259,864	D	
Common Shares	09/17/2019		M		12,345	A	\$3.38 ⁽¹⁾	272,209	D	
Common Shares	09/17/2019		F		3,692	D	\$9.44 ⁽²⁾	268,517	D	
Common Shares								16,460	I	Spouse

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$9.44	09/16/2019		A		280,000		(3)	09/15/2029	Common Shares	280,000	\$0.00	280,000	D	
Stock Option (Right to Buy)	\$3.7 ⁽¹⁾	09/17/2019		M			36,008	(4)	09/18/2019	Common Shares	36,008	\$0.00	0	D	
Stock Option (Right to Buy)	\$3.07 ⁽¹⁾	09/17/2019		M			9,259	(5)	09/18/2019	Common Shares	9,259	\$0.00	0	D	
Stock Option (Right to Buy)	\$3.38 ⁽¹⁾	09/17/2019		M			12,345	(6)	09/18/2019	Common Shares	12,345	\$0.00	0	D	

Explanation of Responses:

- The exercise price was converted from \$3.74 CAD using the closing rate of exchange of the Bank of Canada on the date of grant. The actual exercise price is the Canadian dollar amount regardless of the exchange rate on the date of exercise.
- Represents the closing price of the Company's common shares on September 16, 2019, which was converted to a Canadian dollar amount for purposes of net settlement calculations.
- Vesting over 36 months, in equal amounts, on the last day of each month.
- The shares subject to the option fully vested on May 31, 2011. The date the options became fully vested was incorrectly reflected on the Reporting Person's Form 3.
- The shares subject to the option fully vested on December 31, 2012. The date the options became fully vested was incorrectly reflected on the Reporting Person's Form 3.
- The shares subject to the option fully vested on August 31, 2013. The date the options became fully vested was incorrectly reflected on the Reporting Person's Form 3.

Remarks:

/s/ Sherry Aulin, Attorney-in-fact 09/18/2019

** Signature of Reporting Person Date

* 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.