

# Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See instructions.

Form 4		

Date	Description	Type	2018				Total	2019	2020	2021
			1/1-3/31	4/1-6/30	7/1-9/30	10/1-12/31				

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Date	Description	Type	2018				Total	2019	2020	2021
			1/1-3/31	4/1-6/30	7/1-9/30	10/1-12/31				

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GAMCO INVESTORS, INC. ET AL ONE CORPORATE CENTER RYE, NY 10580		X		
GGCP, INC. 140 GREENWICH AVENUE GREENWICH, CT 06830		X		
Associated Capital Group, Inc. ONE CORPORATE CENTER RYE, NY 10580		X		
GABELLI MARIO J C/O GAMCO INVESTORS, INC ONE CORPORATE CENTER RYE, NY 10580		X		

## Signatures

/s/ Douglas R. Jamieson, Attorney-In-Fact for MARIO J. GABELLI, GGCP, INC., and ASSOCIATED CAPITAL GROUP, INC.  **Signature of Reporting Person		01/02/2019
		Date
/s/ Kevin Handwerker, Executive VP, General Counsel & Secretary of GAMCO INVESTORS, INC.  **Signature of Reporting Person		01/02/2019
		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) These shares are owned by Mario J. Gabelli.

GAMCO Investors, Inc. and Associated Capital Group, Inc. have less than a 100% interest in this entity; GGCP, Inc. has less than a 100% interest in GAMCO Investors, Inc. and Associated Capital Group, Inc.; and Mario J. Gabelli has less than a 100% interest in GGCP, Inc. The amount of securities reported as beneficially owned reflects the total of the person,