Advanced Emissions Solutions, Inc.

Form 3

April 30, 2014

FORM 3

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

OMB APPROVAL

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INITIAL STATEMENT OF 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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement Advanced Emissions Solutions, Inc. [ADES] **SMITH RACHEL ANN** (Month/Day/Year) 04/21/2014 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 9135 S. RIDGELINE BLVD., (Check all applicable) **SUITE 200** (Street) 6. Individual or Joint/Group 10% Owner Director _X__ Officer Other Filing(Check Applicable Line) (give title below) (specify below) _X_ Form filed by One Reporting Chief Accounting Officer Person **HIGHLANDS** Form filed by More than One RANCH. COÂ 80129 Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 5) (Instr. 4) Form: Direct (D) or Indirect (I) (Instr. 5) Â Common Stock (1) 760 (1) D Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. 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 control number.

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
		Title	Security	Direct (D)	

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Date	Expiration	Amount or	or Indirect
Exercisable	Date	Number of	(I)
		Shares	(Instr. 5)

Reporting Owners

Reporting Owner Name / Address	Relationships			
F-	Director	10% Owner	Officer	Other
SMITH RACHEL ANN 9135 S. RIDGELINE BLVD., SUITE 200 HIGHLANDS RANCH, CO 80129	Â	Â	Chief Accounting Officer	Â

Signatures

Rachel Ann
Smith

**Signature of Reporting Person

O4/30/2014

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).

Represents Restricted Stock issuance pursuant to the Advanced Emissions Solutions, Inc. 2010 Non-Management Compensation and
(1) Incentive Plan. The Restricted Stock will vest 10% on February 3, 2016, 20% on February 3, 2017, 30% on February 3, 2018 and 40% on February 3, 2019 subject to continuous service with Advanced Emissions Solutions, Inc. or its related entities.

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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