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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
WASHINGTON, D.C. 20549

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**FORM 8-A**

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**FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR 12(g) OF  
THE SECURITIES EXCHANGE ACT OF 1934**

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**SEMGROUP CORPORATION**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**20-3533152**  
(I.R.S. Employer  
Identification No.)

**Two Warren Place**  
**6120 S. Yale Avenue, Suite 700**  
**Tulsa, OK 74136-4216**  
(Address, including zip code, of registrant's principal executive offices)

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Securities to be registered pursuant to Section 12(b) of the Act: None

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If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box. ☐

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box. ☒

Securities Act registration statement file number to which this form relates: N/A

Securities to be registered pursuant to Section 12(g) of the Act:

Warrants to Purchase Common Stock (expiring November 30, 2014)

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Title of class

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## INFORMATION REQUIRED IN REGISTRATION STATEMENT

### Item 1. Description of Registrant's Securities to be Registered.

For a description of the Warrants to be registered, reference is made to the information provided under the caption "Warrants" in "Item 11., Description of Registrant's Securities To Be Registered" of the Registrant's Registration Statement on Form 10 filed with the Commission on May 6, 2010, as amended, which information is incorporated herein by reference.

### Item 2. Exhibits.

The following Exhibits are filed herewith.

<u>Exhibit Number</u>	<u>Description</u>
4.1	Warrant Agreement dated as of November 30, 2009, by and between SemGroup Corporation and Mellon Investor Services, LLC (filed as Exhibit 4.3 to the Registrant's Form 10 filed with the Commission on May 6, 2010, and incorporated herein by reference).
4.2	Form of warrant certificate (filed as Exhibit 4.4 to the Registrant's Form 10 filed with the Commission on May 6, 2010, and incorporated herein by reference).

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**SIGNATURE**

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the Registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereto duly authorized.

SEMGROUP CORPORATION

Date: May 2, 2011

By: /s/ Candice L. Cheeseman

Candice L. Cheeseman  
General Counsel and Secretary

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## INDEX TO EXHIBITS

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