

BAYTEX ENERGY CORP.

Form 6-K

February 23, 2011

The following documents attached are exhibits hereto is incorporated by reference herein:

| Exhibit No. | Document |
|-------------|--|
| 99.1 | Underwriting Agreement Dated February 10, 2011 Re: Private Placement of US\$150,000,000 6.75% Series B Senior Unsecured Debentures due February 17, 2021 |
| 99.2 | First Supplemental Trust Indenture Dated February 17, 2011 (To Amended and Restated Trust Indenture Dated January 1, 2011) |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BAYTEX ENERGY CORP.

/s/ W. Derek Aylesworth
Name: W. Derek Aylesworth
Title: Chief Financial Officer

Dated: February 23, 2011
