

BAYTEX ENERGY CORP.

Form 6-K

February 07, 2011

The following document attached is an exhibit hereto is incorporated by reference herein:

| Exhibit No. | Document |
|-------------|--|
| 99.1 | BAYTEX COMPLETES HEAVY OIL ACQUISITION |

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 3, 2011
