
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **September 29, 2010**

Vanguard Natural Resources, LLC

(Exact name of registrant as specified in its charter)

DELAWARE
(State or other jurisdiction of
incorporation)

001-33756
(Commission File Number)

61-1521161
(IRS Employer Identification No.)

5847 San Felipe, Suite 3000
Houston, Texas 77057
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code **(832) 327-2255**

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

EXHIBIT NUMBER	DESCRIPTION
Exhibit 99.1	Consent of Whitley Penn LLP

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 hereunto duly authorized.

VANGUARD NATURAL RESOURCES, LLC

By: /s/ Scott W. Smith
Name: Scott W. Smith
Title: President, Chief Executive Officer and Director

September 29, 2010

EXHIBIT INDEX

EXHIBIT NUMBER

DESCRIPTION

Exhibit 99.1

Consent of Whitley Penn LLP

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statement on Form S-3 (No. 333-168177) of Vanguard Natural Resources, LLC of our report dated February 10, 2010, relating to the statement of combined revenues and direct operating expenses of the oil and gas properties purchased December 2, 2009 by Vanguard Permian, LLC from private sellers for the year ended December 31, 2008, as previously filed with the Company's current report on Form 8-K dated February 10, 2010.

We also consent to the reference to us under the caption "Experts" in such Registration Statement on Form S-3.

/s/ Whitley Penn LLP

Fort Worth, Texas
September 29, 2010