

**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):  
**October 17, 2005**

**TGC INDUSTRIES, INC.**  
(Exact name of registrant as specified in its charter)

**Texas**  
(State of Incorporation)

**001-32472**  
(Commission File Number)

**74-2095844**  
(IRS Employer Identification No.)

**1304 Summit Ave., Ste 2**  
**Plano, TX 75074**  
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: **(972) 881-1099**

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 (see General Instruction A.2. below):

- 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))

**Item 1.01 Entry into a Material Definitive Agreement.**

On October 17, 2005, Tidelands Geophysical Co., Inc. ("Tidelands"), a wholly-owned subsidiary of TGC Industries, Inc., entered into a Sale Agreement (the "Agreement") with Texas Seismic Rentals, Ltd., for the purchase of a new ARAM ARIES seismic recording system. The Agreement provides that Tidelands will pay \$4,088,126 for an ARAM ARIES seismic recording system, related equipment and training.

2

**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.

**TGC INDUSTRIES, INC.**

Date: November 10, 2005

By: /s/ Wayne A. Whitener  
Wayne A. Whitener  
President and CEO

(Signing on behalf of the Registrant and as Principal  
Executive Officer)

3