



DIVISION OF  
CORPORATION FINANCE  
MAIL STOP 7010

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549-7010

April 10, 2008

via U.S. mail and facsimile

Mark S. Berg  
Pioneer Southwest Energy Partners, LP  
5205 N. O'Connor Blvd. Suite 200  
Irving, Texas  
75309

**Re: Pioneer Southwest Energy Partners, LP.  
Amendment No. 6 to Registration Statement on Form S-1  
Filed March 31, 2008  
File No. 333-144868**

Dear Mr. Berg:

We have reviewed your amended filing and letter dated April 8, 2008 and have the following comments. Where indicated, we think you should revise your document in response to these comments. If you disagree, we will consider your explanation as to why our comment is inapplicable or a revision is unnecessary. Please be as detailed as necessary in your explanation. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure. After reviewing this information, we may raise additional comments.

Please understand that the purpose of our review process is to assist you in your compliance with the applicable disclosure requirements and to enhance the overall disclosure in your filings. We look forward to working with you in these respects. We welcome any questions you may have about our comments or on any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

General

1. We acknowledge receipt of the letter dated April 8, 2008. Please file the pre-effective amendment of the exhibits as soon as practicable. We may have further comment following our review.

Closing Comments

As appropriate, please amend the above filing in response to these comments. You may wish to provide us with a marked copy of the amendment to expedite our review. Please furnish a cover letter with your amendment that keys your responses to our comments and provides any requested information. Detailed cover letters greatly facilitate our review. Please understand that we may have additional comments after reviewing your amendment and responses to our comments.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes all information required under the Securities Act of 1933 and that they have provided all information investors require for an informed investment decision. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

We will consider a written request for acceleration of the effective date of the registration statement as confirmation of the fact that those requesting acceleration are aware of their respective responsibilities under the Securities Act of 1933 and the Securities Exchange Act of 1934 as they relate to the proposed public offering of the securities specified in the above registration statement. We will act on the request and, pursuant to delegated authority, grant acceleration of the effective date.

We direct your attention to Rules 460 and 461 regarding requesting acceleration of a registration statement. Please allow adequate time after the filing of any amendment for further review before submitting a request for acceleration. Please provide this request at least two business days in advance of the requested effective date.

Mr. Berg  
Pioneer Southwest Energy Partners, LP  
April 10, 2008  
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You may contact Mellissa Campbell Duru at (202) 551-3757 or, in her absence, me at (202) 551-3611 with any other questions.

Sincerely,

Anne Nguyen Parker  
Branch Chief

cc: William Finnegan, Esq. (by facsimile)  
A. Parker  
M. Duru