

Pioneer Southwest Energy Partners L.P.  
 Form 3  
 April 29, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

|   |         |          |  |  |   |
|---|---------|----------|--|--|---|
| 1. Name and Address of Reporting Person * |         |          | 2. Date of Event Requiring Statement   | 3. Issuer Name <b>and</b> Ticker or Trading Symbol |   |
| Â PIONEER NATURAL RESOURCES CO            |         |          | (Month/Day/Year)   | Pioneer Southwest Energy Partners L.P. [PSE]       |   |
| (Last)                                    | (First) | (Middle) | 04/29/2008   |  |   |
| 5205 N. O'CONNOR BLVD, SUITE 200          |         |          | 4. Relationship of Reporting Person(s) to Issuer   |  | 5. If Amendment, Date Original Filed(Month/Day/Year)  |
| (Street)                                  |         |          | (Check all applicable)   |  |   |
| IRVING, TX 75039                          |         |          | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br><input type="checkbox"/> Officer <input checked="" type="checkbox"/> Other<br>(give title below)    (specify below)<br><input type="checkbox"/> Indirect Owner of GP |  | 6. Individual or Joint/Group Filing(Check Applicable Line)<br><input type="checkbox"/> Form filed by One Reporting Person<br><input checked="" type="checkbox"/> Form filed by More than One Reporting Person |
| (City)                                    | (State) | (Zip)    |  |  |   |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|
| No securities beneficially owned   | 0 <sup>(1)</sup>   | D   | Â  |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|---|---|--|---|---|--|
|---|---|--|---|---|--|

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| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |                      |
|--|---------------|-----------|---------|----------------------|
|  | Director      | 10% Owner | Officer | Other                |
| PIONEER NATURAL RESOURCES CO<br>5205 N. O'CONNOR BLVD, SUITE 200<br>IRVING, TX 75039       | Â             | Â         | Â       | Indirect Owner of GP |
| PIONEER NATURAL RESOURCES USA INC<br>5205 N. O'CONNOR BLVD., SUITE 200<br>IRVING, TX 75039 | Â             | Â         | Â       | Direct Owner of GP   |

## Signatures

Mark H. Kleinman, Vice President 04/29/2008

\_\_Signature of Reporting Person Date

Mark H. Kleinman, Vice President 04/29/2008

\_\_Signature of Reporting Person Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 5(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) This Form 3 is being filed in connection with the effectiveness of the Issuer's Registration Statement on Form S-1 (Registration No. 333-144868) initially filed with the Securities and Exchange Commission on September 13, 2007, as amended.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.