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

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**POST-EFFECTIVE AMENDMENT NO. 1  
TO  
FORM S-8  
REGISTRATION STATEMENT NO. 333- 149200  
UNDER  
THE SECURITIES ACT OF 1933**

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**TARGA RESOURCES PARTNERS LP**  
(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**65- 1295427**  
(I.R.S. Employer  
Identification Number)

**1000 Louisiana, Suite 4300  
Houston, Texas 77002  
(713) 584-1000**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

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Name, address, including zip code, and telephone  
number, including area code, of agent for service:

**Joe Bob Perkins  
Chief Executive Officer  
Targa Resources Partners LP  
1000 Louisiana, Suite 4300  
Houston, Texas 77002  
(713) 584-1000**

*Copy of communications to:*  
**Christopher Collins  
Vinson & Elkins L.L.P.  
1001 Fannin Street, Suite 2500  
Houston, Texas 77002  
(713) 758-2222**

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer  (Do not check if a smaller reporting company)

Smaller reporting company

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## DEREGISTRATION OF SECURITIES

This Post-Effective Amendment relates to the Registration Statement (the "Registration Statement"), Registration No. 333-149200, filed on Form S-8 on February 12, 2008, pertaining to the registration of 1,680,000 common units ("Common Units") representing limited partner interests in Targa Resource Partners LP, a Delaware limited partnership (the "Partnership") issuable under the Targa Resources Partners Long Term Incentive Plan.

On February 17, 2016, the Partnership was acquired by Targa Resources Corp., a Delaware corporation ("TRC"), pursuant to the Agreement and Plan of Merger (the "Merger Agreement"), by and among the Partnership, TRC, Spartan Merger Sub LLC, and Targa Resources GP LLC. Pursuant to the Merger Agreement, TRC acquired indirectly all of the outstanding Common Units that TRC and its subsidiaries did not already own.

As a result of the completion of the transactions contemplated by the Merger Agreement, the Partnership has terminated all offerings of securities pursuant to the Registration Statement. In accordance with an undertaking made by the Partnership in the Registration Statement to remove from registration, by means of post-effective amendments, any of the securities that had been registered for issuance that remain unsold at the termination of such offering, the Partnership hereby removes from registration all of such securities registered but unsold under the Registration Statement.

## SIGNATURES

Pursuant to the requirements of the Securities Act, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, in the State of Texas, on this 9th day of March, 2016.

### TARGA RESOURCES PARTNERS LP

By: TARGA RESOURCES GP LLC,  
its General Partner

By: /s/ Matthew J. Meloy  
Name: Matthew J. Meloy  
Title: Executive Vice President and Chief Financial Officer  
(Principal Financial Officer)

Pursuant to the requirements of the Securities Act of 1933, this Post-Effective Amendment to the Registration Statement has been signed below by the following persons on behalf of the registrant and in the capacities indicated on March 9, 2016.

| <u>Name</u>   | <u>Title</u>   | <u>Date</u>   |
|---|--|---------------|
| <u>/s/ Joe Bob Perkins</u><br>Joe Bob Perkins       | Chief Executive Officer and Director<br>(Principal Executive Officer)                    | March 9, 2016 |
| <u>/s/ Matthew J. Meloy</u><br>Matthew J. Meloy     | Executive Vice President and Chief<br>Financial Officer<br>(Principal Financial Officer) | March 9, 2016 |
| <u>*</u><br>John R. Sparger                         | Senior Vice President and Chief Accounting<br>Officer<br>(Principal Accounting Officer)  | March 9, 2016 |
| <u>*</u><br>James W. Whalen                         | Executive Chairman of the Board  | March 9, 2016 |
| <u>/s/ Michael A. Heim</u><br>Michael A. Heim       | Director   | March 9, 2016 |
| <u>/s/ Ershel C. Redd Jr.</u><br>Ershel C. Redd Jr. | Director   | March 9, 2016 |
| <u>*</u><br>Rene R. Joyce                           | Director   | March 9, 2016 |
| <u>*</u><br>Robert B. Evans                         | Director   | March 9, 2016 |

\*By: /s/ Jeffrey J. McParland  
Jeffrey J. McParland  
Attorney-In-Fact