

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2784805

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DANIEL L. BOUR	09/04/2009
SUSAN PETTY	09/04/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALTAROCK ENERGY, INC.
<b>Street Address:</b>	7900 E. GREENLAKE DRIVE
<b>Internal Address:</b>	SUITE 202
<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98103
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14142289
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)566-0750
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	801-566-6633
<b>Email:</b>	andrea.phillips@tnw.com
<b>Correspondent Name:</b>	ERIK S. ERICKSEN
<b>Address Line 1:</b>	8180 S. 700 E., SUITE 350
<b>Address Line 4:</b>	SANDY, UTAH 84070
<b>ATTORNEY DOCKET NUMBER:</b>	3084-4011.NP.CON
<b>NAME OF SUBMITTER:</b>	ERIK S. ERICKSEN
<b>SIGNATURE:</b>	/eriksericksen/
<b>DATE SIGNED:</b>	03/25/2014
<b>Total Attachments: 4</b>	
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A S S I G N M E N T

WHEREAS, We, Daniel L. Bour, a citizen of The United States of America, residing at 9523 149th Avenue, NE, Granite Falls, Washington 98252; and Susan Petty, a citizen of The United States of America, residing at 1558 NE 172 St., Shoreline, Washington 98155; (hereinafter referred to as "ASSIGNORS"), have invented and own a certain invention entitled ENHANCED GEOTHERMAL SYSTEMS RESERVOIR OPTIMIZATION for which a utility application was filed on August 7, 2009 and assigned Serial No. 12/499,012 and;

WHEREAS, AltaRock Energy Inc. a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at 7900 E Greenlake Drive N, Suite 202, Seattle WA 98103 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue

said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

WITNESS my hand at Seattle, Washington, this 4<sup>th</sup> day of  
September, 2009.

Daniel L. Bour  
Daniel L. Bour

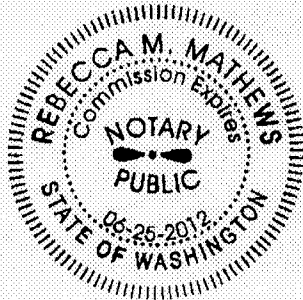
STATE OF WASHINGTON )  
COUNTY OF King ) ss

On September 4, 2009 before me, Rebecca M. Mathews, personally appeared Daniel L. Bour, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

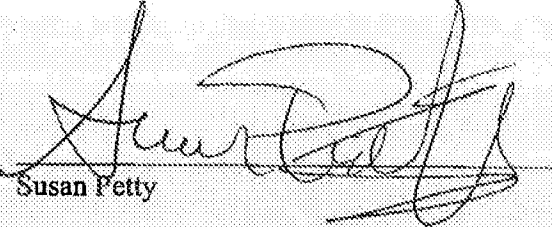
I certify under Penalty of Perjury under the laws of the State of Washington that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Rebecca M. Mathews  
Notary Public in and for said County and State



WITNESS my hand at Seattle, Washington this 4<sup>th</sup> day of  
September, 2009.

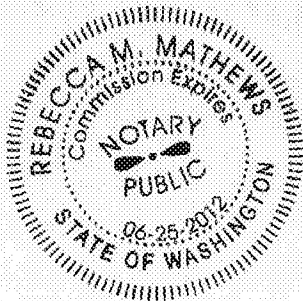
  
Susan Petty

STATE OF WASHINGTON           )  
  ) ss  
COUNTY OF King                   )

On September 4, 2009 before me, Rebecca M. Matthews, personally  
appeared Susan Petty, proved to me on the basis of satisfactory evidence to be the person whose  
name is subscribed to the within instrument and acknowledged to me that he executed the same in  
his authorized capacity, and that by his signature on the instrument the person, or the entity upon  
behalf of which the person acted, executed the instrument.

I certify under Penalty of Perjury under the laws of the State of Washington that the foregoing  
paragraph is true and correct

WITNESS my hand and official seal.



Rebecca M. Matthews  
Notary Public in and for said County and State