

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Marcus Oliver Wigand</td> <td>02/24/2012</td> </tr> <tr> <td>Robert Martin Carlson</td> <td>02/28/2012</td> </tr> <tr> <td>Mark Dean Looney</td> <td>03/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Marcus Oliver Wigand	02/24/2012	Robert Martin Carlson	02/28/2012	Mark Dean Looney	03/05/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Chevron U.S.A. Inc.</td> </tr> <tr> <td>Street Address:</td> <td>6001 Bollinger Canyon Road</td> </tr> <tr> <td>City:</td> <td>San Ramon</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94583</td> </tr> </table>		Name:	Chevron U.S.A. Inc.	Street Address:	6001 Bollinger Canyon Road	City:	San Ramon	State/Country:	CALIFORNIA	Postal Code:	94583
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (612)332-9081</p> <p>Phone: 612.332.5300</p> <p>Email: lkenney@merchantgould.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Merchant &amp; Gould</p> <p>Address Line 1: 80 South 8th Street</p> <p>Address Line 4: Minneapolis, MINNESOTA 55402</p>											
ATTORNEY DOCKET NUMBER:	70205.0216USU1										
NAME OF SUBMITTER:	Melissa M. Hayworth										
<p>Total Attachments: 6</p> <p>source=0216USU1_Assignment#page1.tif</p>											

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source=0216USU1\_Assignment#page6.tif

**ASSIGNMENT**

WHEREAS, We,

Marcus Oliver Wigand  
Robert Martin Carlson  
Mark Dean Looney

of ~~Los Alamos, New Mexico~~  
of Petaluma, California  
of Houston, Texas

*MOW*

*MISSOURI CITY, TX*

have invented new and useful improvements in

**"In-Situ Kerogen Conversion and Recovery"**

set forth in an application for Letters Patent of the United States bearing Serial No. 13/335,409  
and filed on December 22, 2011, and

WHEREAS, *CHEVRON U.S.A. INC.*, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and having a regular and established place of business at San Ramon, State of California, is desirous of acquiring the entire right, title and interest in and to said invention, said application, and in and to the Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued thereof in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over unto said *CHEVRON U.S.A. INC.*, its successors and assigns, the entire right, title and interest in and to said invention, said application, including all priority rights associated with said application under provisions of international conventions, treaties, or otherwise, and all divisions, continuations, reexaminations, and reissues thereof, and in and to all Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued therefore and all reexamination certificates, reissues and extensions thereof, not only for, to and in the United States of America, but for, to and in all other countries. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent, Utility Models, and Inventors' Certificates which may be granted in the United States of America and in any and all countries foreign thereto, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

and we hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment;

and we hereby covenant that we have full right to convey the entire interest herein assigned, and We have not executed, and will not execute, any agreement in conflict herewith and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

and we hereby further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said inventions and discoveries; and furthermore, upon request, without additional compensation but at no expense to us, testify in any interference or legal proceedings involving said inventions, and sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension thereof.

Title of the Invention: In-Situ Kerogen Conversion and Recovery  
Attorney Docket No.: 70205.0216USU1

In witness whereof, we have signed our name(s) on the date set forth below.

Inventor Signature: \_\_\_\_\_

Inventor Name: \_\_\_\_\_

Marcus Oliver WIGAND

Date: \_\_\_\_\_

02/24/2012

Witness Signature: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Date: \_\_\_\_\_

Inventor Signature: \_\_\_\_\_

Inventor Name: \_\_\_\_\_

Robert Martin CARLSON

Date: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Date: \_\_\_\_\_

Inventor Signature: \_\_\_\_\_

Inventor Name: \_\_\_\_\_

Mark Dean LOONEY

Date: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Date: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, We,

Marcus Oliver Wigand	of Los Alamos, New Mexico
Robert Martin Carlson	of Petaluma, California
Mark Dean Looney	of Houston, Texas

have invented new and useful improvements in

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Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor Name: Marcus Oliver WIGAND

Witness Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Inventor Signature:  \_\_\_\_\_ Date: 2/28/2012  
Inventor Name: Robert Martin CARLSON

Witness Signature:  \_\_\_\_\_ Date: 2/28/2012

Witness Name: Elaine Carlson

Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor Name: Mark Dean LOONEY

Witness Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Witness Name: \_\_\_\_\_

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Inventor Name: Marcus Oliver WIGAND

Date: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Inventor Signature: \_\_\_\_\_  
Inventor Name: Robert Martin CARLSON

Date: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Inventor Signature: Mark Dean Looney  
Inventor Name: Mark Dean LOONEY

Date: March 5, 2012

Witness Signature: Stacey C. Walker

Date: March 5, 2012

Witness Name: Stacey C. Walker