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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): *(Dated inventor signed)*

Thomas J. Boone 10/19/2010

Mori Kwan 10/20/2010

2. Name and address of receiving party(ies):

Name: Imperial Oil Resources Limited

Internal Address: _____

Additional name(s) of conveying party(ies) Yes No

Street Address: 3535 Research Road, NW

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other: _____

City: Calgary State: Alberta Zip: T2L 2K8

Country: Canada

Execution Date: October 19 & 20, 2010

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 13/099,041

Filing Date 05/02/2011

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John R. Wright

Internal Address: ExxonMobil Upstream Research Company
(CORP-URC-SW359)

Street Address: P. O. Box 2189

City: Houston State: TX Zip: 77252-2189

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.42):..... \$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:
05-1328

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John R. Wright

Name of Person Signing

John R. Wright
Signature

January 23, 2012
Date

Total number of pages including cover sheet, attachments, and document:

CH \$40.00 051328 13099041

Docket No. 2010EM158

WORLDWIDE

ASSIGNMENT

"T":

BOONE, Thomas, J.
11 Morecuil Court SW
Calgary, Alberta T2T 6B1
Canada

KWAN, Mori
107 Scenic Hill Close NW
Calgary, Alberta T3L 1R1
Canada

for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell and assign to:

IMPERIAL OIL RESOURCES LIMITED
3535 Research Road N.W.
Calgary, Alberta, T2L 2K8
Canada

all our right, title and interest in the United States of America, Canada, and all countries foreign thereto, in and to the inventions and improvements that are disclosed in **Canadian Patent Application No. 2,705,680** filed at the Canadian Intellectual Property Office **27 May 2010**, relating to, and entitled:

CREATION OF A HYDRATE BARRIER DURING IN SITU HYDROCARBON RECOVERY

and to any application for patent claiming priority therefrom, and to all our corresponding right, title and interest in and to any patent issued therefrom, and to any patent issued from a continuation, continuation-in-part, re-issue, divisional or re-examination application derived, or claiming priority, from the above application.

We agree to co-operate in obtaining the above-mentioned patent protection, and to execute such documents as may be required to file the above-mentioned applications, and secure the above-mentioned patents, in the name of the assignee, or its successors in title.

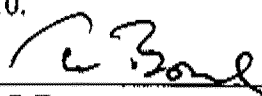
We authorize the firm of Borden Ladner Gervais LLP to insert any further identification necessary to make this assignment suitable for recordation in the Patent Offices of any country as may be required.

Docket No. 2010EM158

WORLDWIDE

SIGNED at 3535 RESEARCH ROAD NW; CALGARY, AB - T2L2K8, CANADA

This 19th day of OCTOBER, 2010.


Thomas J. Boone

STATEMENT BY WITNESS

I, ANNA MUKHERJEE whose full post office address is
(Name of Witness)

3535 RESEARCH ROAD NW; CALGARY, AB - T2L2K8, CANADA

was personally present and did see **Thomas J. Boone** execute the within assignment and such assignor is personally known to me to the person described in such document.


(Signature of Witness)

SIGNED at 3535 Research Road NW; Calgary, AB - T2L2K8, Canada

This 20th day of October, 2010.


Mori Kwan

STATEMENT BY WITNESS

I, ANNA MUKHERJEE whose full post office address is
(Name of Witness)

3535 RESEARCH ROAD NW; CALGARY, AB - T2L2K8, CANADA

was personally present and did see **Mori Kwan** execute the within assignment and such assignor is personally known to me to the person described in such document.


(Signature of Witness)