

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WARREN FOSTER PETER MACPHAIL	10/13/2016
WOLFGANG FRIEDRICH JOHANN DEEG	09/26/2016
RECEIVING PARTY DATA	
Name:	DEVON CANADA CORPORATION
Street Address:	SUITE 2000, 400 - 3RD AVENUE SW
City:	CALGARY
State/Country:	CANADA
Postal Code:	T2P 4H2
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15222090
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NAME OF SUBMITTER:	ROSEANN B. CALDWELL
SIGNATURE:	/Roseann B. Caldwell/
DATE SIGNED:	12/29/2016
Total Attachments: 3	
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ASSIGNMENT

This confirms that as at the date of invention and in consideration of One Dollar and other good and valuable consideration, of which I/we acknowledge receipt,

I/we,

- (1) **MacPHAIL, Warren Foster Peter**
- (2) **DEEG, Wolfgang Friedrich Johann**

(hereinafter "Assignors") whose full post office addresses are::

- (1) 25 Spirit Ridge Lane SW, Calgary, Alberta T3H 0N4, Canada
- (2) 2027 Stone Ridge Ln., Duncan, Oklahoma 73533, USA

did sell and assign to **DEVON CANADA CORPORATION** (hereinafter "Assignee") a company incorporated under the laws of Canada, having a place of business at:

Suite 2000, 400 – 3rd Avenue SW, Calgary, Alberta T2P 4H2, Canada

all right, title and interest in and to the invention (the "Invention") entitled

"WELL INJECTION AND PRODUCTION METHODS, APPARATUS AND SYSTEMS"

made by me/us and as described in the US application known as serial number 15/222,090, filed July 28, 2016, and any and all applications for patent and patents for the invention in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said patent applications (collectively, the "Patent") and authorize and request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, I/we will communicate to said Assignee or its representatives or nominees any facts known to me/us respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention in all countries.

On a several and separate basis, we hereby each represent and warrant to Assignee that we are not aware of any third party having any right, title or interest in the Invention or the Patent. Other than in the case of a breach of the foregoing representation and warranty by one or both Assignors herein, the Assignee agrees to indemnify and save harmless both Assignors from and against any and all claims, suits, or demands which may be made against them by any third party relating to the Invention and Patent, including (but not restricted to) any such claim, suit or demand relating to entitlement to the Invention of the Patent.

The undersigned hereby grants F. Robert Irani, (U.S. Reg. No. 55,295) of BENNETT JONES LLP, 4500 Bankers Hall East, 855 - 2nd Street SW, Calgary, Alberta, T2P 4K7, Canada power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of any Patent Office, including the United States Patent and Trademark Office, for recordation of this document.

(1) SIGNED AT Calgary, Alberta, CANADA
this 13 day of October 2016.

[Signature]
Witness

[Signature]
WARREN FOSTER PETER MACPHAIL

DECLARATION

I Peter F. Straka whose full post office address
(Name of Witness)

is 100,400 - 3rd Ave SW, Calgary, AB CANADA
(Address of Witness)

declare:

That I was personally present and did see, **WARREN FOSTER PETER MACPHAIL**,
the above-noted inventor who is personally known to me to be the person named in
the above assignment, duly sign and execute the same.

Declared at Calgary, AB, CANADA

this 13 day of October 2016.

[Signature]
Signature of Witness

(2) SIGNED AT OKLAHOMA CITY, OKLAHOMA

this 26th day of SEPTEMBER 2016.

CHADWICK T. HOLEMAN
Witness

Wolfgang F. J. Deeg
WOLFGANG FRIEDRICH JOHANN DEEG

DECLARATION

I CHADWICK T. HOLEMAN whose full post office address
(Name of Witness)

is 115 NORTH GEARY CIRCLE, OKLAHOMA CITY, OK 73104
(Address of Witness)

declare:

That I was personally present and did see, **WOLFGANG FRIEDRICH JOHANN DEEG**, the above-noted inventor who is personally known to me to be the person named in the above assignment, duly sign and execute the same.

Declared at OKLAHOMA CITY, OKLAHOMA

this 26th day of SEPTEMBER 2016.

Chadwick T. Holman
Signature of Witness