

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT6312081

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CARL KEITH SMITH	07/24/2017
JOSH GAWRYLUK	07/27/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CANADIAN ENERGY SERVICES L.P.
<b>Street Address:</b>	SUITE 1400, 700 - 4TH AVENUE SW
<b>City:</b>	CALGARY
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	T2P 3J4
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16317259
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(403)265-7219
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<b>Correspondent Name:</b>	ROSEANN B. CALDWELL, BENNETT JONES LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	71904-39
<b>NAME OF SUBMITTER:</b>	ROSEANN B. CALDWELL
<b>SIGNATURE:</b>	/Roseann B. Caldwell/
<b>DATE SIGNED:</b>	09/22/2020
<b>Total Attachments: 3</b>	
source=71904-30-37-39-29-41-44-45-46-Assg#page1.tif	
source=71904-30-37-39-29-41-44-45-46-Assg#page2.tif	
source=71904-30-37-39-29-41-44-45-46-Assg#page3.tif	

## 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) **SMITH, Carl Keith**
- (2) **GAWRYLUK, Josh**

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

- (1) 59 SPRINGBANK CRESCENT SW CALGARY AB T3H3S6
- (2) 201 Windsor Ave, Turner Valley AB T0L2A0

did sell and assign to **CANADIAN ENERGY SERVICES L.P.** (hereinafter "Assignee") a company incorporated under the laws of Alberta, having a place of business at:

**Suite 1400, 700 – 4<sup>th</sup> Avenue SW, Calgary, Alberta T2P 3J4, Canada**

all right, title and interest in and to the invention entitled

### "DRILL FLUID AND METHOD FOR TUNNELING"

made by me/us and as described in the US application known as serial no. 62/524,361, filed June 23, 2017, 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 application 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.

The undersigned hereby grants Roseann B. Caldwell, (U.S. Reg. No. 37,077) 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  
this 24<sup>th</sup> day of July 2017.

[Signature]  
Witness

[Signature]  
**CARL KEITH SMITH**

DECLARATION

I Heather Macdonald whose full post office address  
( Name of Witness )

is 1400, 700 - 4 Avenue SW, Calgary, AB T2P 3J4  
( Address of Witness )

declare:

That I was personally present and did see, **CARL KEITH SMITH**, 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, Alberta

this 25 day of July 2017.

[Signature]  
Signature of Witness

(2) SIGNED AT Calgary Alberta  
this 27 day of July 2017.

[Signature]  
Witness

[Signature]  
**JOSH GAWRYLUK**

DECLARATION

I Heather MacDonald whose full post office address  
( Name of Witness )

is 1400. 700. 4 Avenue SW, Calgary, AB T2P 3J4  
( Address of Witness )

declare:

That I was personally present and did see, **JOSH GAWRYLUK**, 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, Alberta

this 27 day of July 2017.

[Signature]  
Signature of Witness