

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5396741

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HOWARD THOMAS RILEY	02/14/2019
TEDDY JOEL DUBOIS	01/29/2019
JAMES WILLIAM OGLE	01/30/2019

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.
Street Address:	3000 N. SAM HOUSTON PARKWAY E.
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77032-3219

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16234178

CORRESPONDENCE DATA**Fax Number:**

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2819624503
Email: dmasters@ctumeylawgroup.com
Correspondent Name: C. TUMEY LAW
Address Line 1: P.O BOX 890226
Address Line 4: HOUSTON, TEXAS 77062-9998

ATTORNEY DOCKET NUMBER:	1560-055802
NAME OF SUBMITTER:	DANIEL MASTERS
SIGNATURE:	/dlm/
DATE SIGNED:	02/25/2019

Total Attachments: 4

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ASSIGNMENT

Whereas, We, **Howard Thomas Riley of Jefferson Hills, Pennsylvania; Teddy Joel Dubois of Canonsburg, Pennsylvania; and James William Ogle of Livingston, Texas;** ("ASSIGNORS"), have invented **METHOD TO HYDRAULICALLY FRACTURE A WELL**, and

Whereas, **Halliburton Energy Services, Inc.**, a Delaware Corporation having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, United States of America (sometimes hereinafter called "ASSIGNEE"), is desirous of acquiring an interest therein,

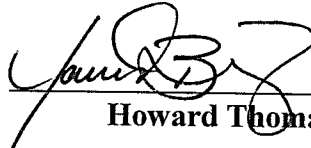
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We do hereby ASSIGN, SELL and CONVEY to said **Halliburton Energy Services, Inc.**, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **Use of METHOD TO HYDRAULICALLY FRACTURE A WELL;**
2. United States application on said invention, Application No. 62/588,641, filed November 20, 2017, entitled **METHOD TO HYDRAULICALLY FRACTURE A WELL**, Halliburton Reference No. **2017-IPM-101875V1 US**.
3. United States Patent application on said invention, Application No. 16/234,178, filed December 27, 2018, entitled **METHOD TO HYDRAULICALLY FRACTURE A WELL**, Halliburton Reference No. **2017-IPM-101875U1P1 US;**
4. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or in any other country or place anywhere in the world;
5. All patents and like protection that have now been or may in the future be granted on said invention to me or my legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
6. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
7. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;

8. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

9. All international rights of priority associated with said invention, applications, patents and like protection and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

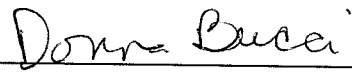
Executed this 14 day of February, 2019


_____ **Howard Thomas Riley**

STATE OF Pennsylvania)
) ss
COUNTY OF Washington)

Before me personally appeared said **Howard Thomas Riley** and acknowledged the foregoing instrument to be his free act and deed this 14 day of February, 2019.

Seal


_____ (Notary)

Commonwealth of Pennsylvania - Notary Seal
Donna Bucci, Notary Public
Washington County
My commission expires May 17, 2022
Commission number 1205367

Member, Pennsylvania Association of Notaries


Executed this 29 day of January, 2019



Teddy Joel Dubois

STATE OF Pennsylvania)
COUNTY OF Washington)^{SS}

Before me personally appeared said **Teddy Joel Dubois** and acknowledged the foregoing instrument to be his free act and deed this 29 day of January, 2019.



(Notary)

Commonwealth of Pennsylvania - Notary Seal Seal Donna Bucci, Notary Public Washington County My commission expires May 17, 2022 Commission number 1205367 Member, Pennsylvania Association of Notaries
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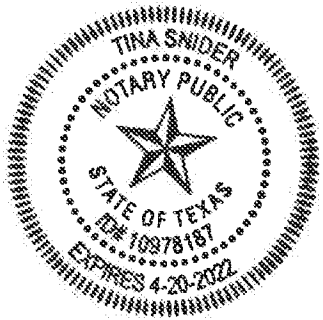
Executed this 30th day of January, 2019

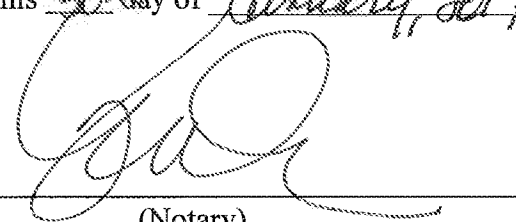

James William Ogle

STATE OF)
) ss
COUNTY OF)

Before me personally appeared said James William Ogle and acknowledged the foregoing instrument to be his free act and deed this 30th day of January, 2019.

Seal




(Notary)