505433317 04/17/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5480117

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN A. GRAHAM	07/15/2008
PHILIP W. WOODARD	07/15/2008
ROBERT F. SHELLEY	07/15/2008
JIM B. SURJAATMADJA	07/14/2008

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:	16384638				

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: rflynt@ctumeylawgroup.com

Correspondent Name: C. TUMEY LAW
Address Line 1: P.O BOX 890226

Address Line 4: HOUSTON, TEXAS 77062-9998

ATTORNEY DOCKET NUMBER:	1560-013202
NAME OF SUBMITTER:	JOHN ROSS FLYNT
SIGNATURE:	/rflynt/
DATE SIGNED:	04/16/2019

Total Attachments: 5

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ASSIGNMENT

THE RESIDENCE WAS ADMINISTED BY AND THE SECOND SECOND

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by HALLIBURTON ENERGY SERVICES, INC., and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Stephen A. Graham, Philip W. Woodard, Robert F. Shelley and Jim B. Surjaatmadja, having made an invention in a "System and Methods for Constructing and Fracture Stimulating Multiple Ultra-Short Radius Laterals From a Parent Well" while in the employ of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

- 1. Said invention in a "System and Methods for Constructing and Fracture Stimulating Multiple Ultra-Short Radius Laterals From a Parent Well";
- 2. United States of America patent application on said invention, Attorney File No. 2008-IP-009045 U1 US, U.S. Serial No. 12/123,957, filed May 20, 2008 executed by us, entitled "System and Methods for Constructing and Fracture Stimulating Multiple Ultra-Short Radius Laterals From a Parent Well":
- 3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world:
- 4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world:
- 5. All substitutions for and divisions, continuations, continuations-inpart, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;
- 6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

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- 7. The right to 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
- 8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, 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.

of	EXECUTED	at	Harris, 2008	County,	Texas,	on t	the		day
	/		***************************************						
					.s			8m.	

STATE OF 1245 S COUNTY OF 12415 S

BEFORE ME, the undersigned authority, on this day personally appeared **Stephen A. Graham** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.



Notary Public

My Commission Expires:

of Tuly , 2008.						
Philip W. Woodard						
STATE OF THEY S S COUNTY OF WAYN, 'S S						
BEFORE ME, the undersigned authority, on this day personally appeared Philip W. Woodard known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.						
GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the _/5 day of2008.						
RENA TORRES NOTARY PUBLIC STATE OF TEXAS COMM. EXPIRES 04-24-2010						

3

My Commission Expires:

of July	County, Texas, on the <u>15th</u> day					
	Robert F. Shelley					
STATE OF _TEXAS	\$\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\times_{\time					
BEFORE ME, the undersigned authority, on this day personally appeared Robert F. Shelley known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.						
GIVEN UNDER MY HANI of Jaly 2008.	O AND SEAL OF OFFICE, this the day					
RENA TORRES NOTARY PUBLIC STATE OF TEXAS COMM. EXPIRES 04-24-201	Notagy Public					

My Commission Expires:

of	EXECUTED at STEPHENS County	, Oklahoma, o	n the <u>14⁴b</u> day
		Jim B. Surjaa	ynel J-

COUNTY OF STEPHENS

BEFORE ME, the undersigned authority, on this day personally appeared **Jim B. Surjaatmadja** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 14th day of 5008.

Notary Public

[SEAL] 2-13-2010

My Commission Expires:

RECORDED: 04/17/2019

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