

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Roger L. SCHULTZ | 01/07/2011 |
| Robert PIPKIN | 01/07/2011 |
| Travis CAVENDER | 01/10/2011 |
| RECEIVING PARTY DATA | |
| Name: | Halliburton Energy Services, Inc. |
| Street Address: | 10200 Bellaire Boulevard |
| City: | Houston |
| State/Country: | TEXAS |
| Postal Code: | 77072 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12983153 |
| CORRESPONDENCE DATA | |
| Fax Number: | (580)251-3917 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
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| Correspondent Name: | JOHN W. WUSTENBERG |
| Address Line 1: | P.O. BOX 1431 |
| Address Line 4: | DUNCAN, OKLAHOMA 73536 |
| ATTORNEY DOCKET NUMBER: | 2010-IP-040849U1 |
| NAME OF SUBMITTER: | Sally Ann Smith |

Total Attachments: 4
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ASSIGNMENT

Whereas, I/We, Roger L. Schultz of Ninnekah, Oklahoma, and Robert Pipkin of Marlow, Oklahoma, and Travis Cavender of Angleton, Texas have invented "FLUIDIC OSCILLATORS FOR USE WITH A SUBTERRANEAN WELL" for which I have made application for Letters Patent of the United States; and


Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 12/983,153 filed on December 31, 2010 and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 7th day of JANUARY, 2011

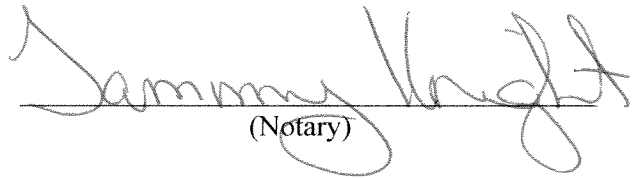
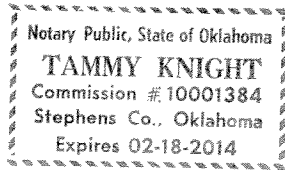


Roger L. Schultz

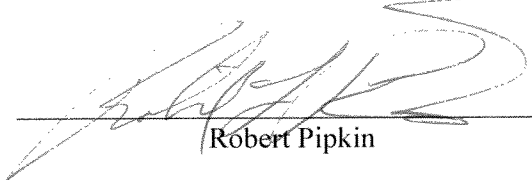
STATE OF)
) ss
COUNTY OF)

Before me personally appeared said Roger L. Schultz and acknowledged the foregoing instrument to be his free act and deed this 7th day of JANUARY, 2011.

Seal


(Notary)

Executed this 7 day of Jan, 2011

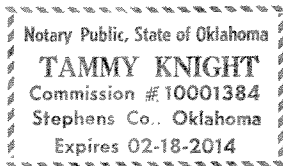


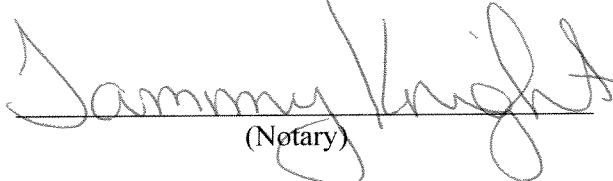
Robert Pipkin

STATE OF OKLAHOMA)
) ss
COUNTY OF STEPHENS)

Before me personally appeared said Robert Pipkin and acknowledged the foregoing instrument to be his free act and deed this 7th day of January, 2011.

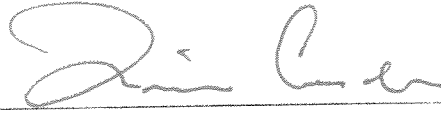
Seal





(Notary)

Executed this 10 day of January, 2011

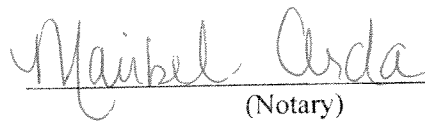


Travis Cavender

STATE OF TEXAS)
) ss
COUNTY OF Harris)

Before me personally appeared said Travis Cavender and acknowledged the foregoing instrument to be his free act and deed this 10th day of January, 2011.

Seal



(Notary)

