

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Neal G. SKINNER</td> <td>05/31/2012</td> </tr> <tr> <td>Michael L. FRIPP</td> <td>05/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Neal G. SKINNER	05/31/2012	Michael L. FRIPP	05/31/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Halliburton Energy Services, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>10200 Bellaire Boulevard</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77072</td> </tr> </table>		Name:	Halliburton Energy Services, Inc.	Street Address:	10200 Bellaire Boulevard	City:	Houston	State/Country:	TEXAS	Postal Code:	77072
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13494826</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13494826						
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CORRESPONDENCE DATA											
<p>Fax Number: (580)251-3917 Phone: 580-251-3782 Email: JOHN.WUSTENBERG@HALLIBURTON.COM <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: JOHN W. WUSTENBERG Address Line 1: P.O. BOX 1431 Address Line 4: DUNCAN, OKLAHOMA 73536</p>											
ATTORNEY DOCKET NUMBER:	2012-IP-054910 U1 US										
NAME OF SUBMITTER:	Sally Ann Smith										
<p>Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif</p>											

OP \$40.00 13494826

PATENT

ASSIGNMENT

In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I (we) the undersigned, **Neal G. SKINNER** and **Michael L. FRIPP**, having made an invention in "**LOCATION OF DOWNHOLE LINES**" 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 "**LOCATION OF DOWNHOLE LINES**";
2. United States of America patent application on said invention, Attorney File No. **2012-IP-054910 U1 US**, executed by me, entitled "**LOCATION OF DOWNHOLE LINES**";
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-in-part, 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;
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.

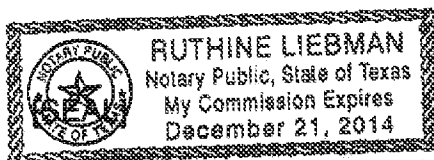
EXECUTED at Dallas County, Texas, on the 31 day of May, 2012.


Neal G. SKINNER


STATE OF TEXAS §
COUNTY OF DALLAS §

BEFORE ME, the undersigned authority, on this day personally appeared **Neal G. SKINNER** 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 31st day of May, 2012.



My Commission Expires:


Notary Public

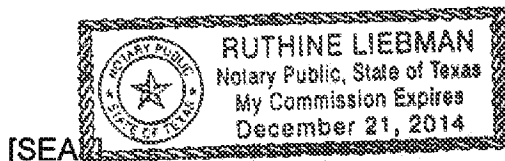
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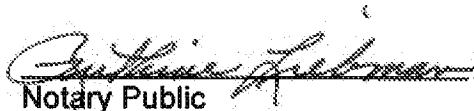

Michael L. FRIPP

STATE OF TEXAS §
COUNTY OF DALLAS §

BEFORE ME, the undersigned authority, on this day personally appeared **Michael L. FRIPP** 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 31st day of May, 2012.




Notary Public

My Commission Expires: