## PATENT ASSIGNMENT

**Electronic Version v1.1**  
**Stylesheet Version v1.1**

### SUBMISSION TYPE: NEW ASSIGNMENT

### NATURE OF CONVEYANCE: ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matthew James MERRON</td>
<td>09/17/2011</td>
</tr>
<tr>
<td>Matt T. HOWELL</td>
<td>09/12/2011</td>
</tr>
<tr>
<td>Jesse Cale PORTER</td>
<td>09/12/2011</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Halliburton Energy Services, Inc.</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
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### PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
<th>Number</th>
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<tr>
<td>Application Number</td>
<td>13215553</td>
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### CORRESPONDENCE DATA

- Fax Number: (972)731-2289
- *Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*
- Phone: (972)731-2288
- Email: rcarroll@dfw.conleyrose.com
- Correspondent Name: Rodney B. Carroll
- Address Line 1: 5601 Granite Parkway, Suite 750
- Address Line 4: Plano, TEXAS 75024

### ATTORNEY DOCKET NUMBER:

HES 2011-IP-042592U1

### NAME OF SUBMITTER:

Rodney B. Carroll

Total Attachments: 4

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source=ExecutedAssignment#page4.tif
ASSIGNMENT

Whereas, I/We, Matthew James Merron of Dallas, Texas, Matt T. Howell, and Jesse Cale Porter both of Duncan, Oklahoma have invented “SYSTEM AND METHOD FOR SERVICING A WELBBORE” 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 first executed on August 12, 2011, submitted concurrently herewith, 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 freely 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 17th day of August, 2011.

[Signature]

Matthew James Merron

STATE OF TEXAS

) ss

COUNTY OF DALLAS

Before me personally appeared said Matthew James Merron and acknowledged the foregoing instrument to be his free act and deed this 17th day of August, 2011.

Seal

[Notary Stamp]

RUTHINE LIEBMAN

Notary Public, State of Texas
My Commission Expires
December 21, 2014

(Notary)
Executed this 12th day of August, 2011

Matt T. Howell

STATE OF OKLAHOMA

COUNTY OF STEPHENS

Before me personally appeared said Matt T. Howell and acknowledged the foregoing instrument to be his free act and deed this 12th day of August, 2011.

Seal

TIFFANY KYLE
Commission # 10009641
Expires 11-15-2014

(Notary)
Executed this 12th day of August, 2011

Jesse Cale Porter

STATE OF OKLAHOMA )
 ) ss
COUNTY OF STEPHENS )

Before me personally appeared said Jesse Cale Porter and acknowledged the foregoing instrument to be his free act and deed this 12th day of August, 2011.

Notary Public, State of Oklahoma
TIFFANY KYLE
Commission #1009641
Expires 11-15-2014