

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Shamrock Drilling Solutions, Inc.	03/30/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Shamrock Research & Development, Inc.
Street Address:	P.O. Box 227
City:	Ada
State/Country:	OKLAHOMA
Postal Code:	74821
<b>PROPERTY NUMBERS Total: 3</b>	
Property Type	Number
Application Number:	12321611
Patent Number:	7299885
Patent Number:	7493949
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(210)978-7790
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2109787754
Email:	tsissonipdocket@jw.com
Correspondent Name:	Thomas E. Sisson
Address Line 1:	112 E. Pecan St., Suite 2400
Address Line 4:	San Antonio, TEXAS 78205
ATTORNEY DOCKET NUMBER:	P-123940DIV/123940.00001
NAME OF SUBMITTER:	Thomas E. Sisson
Total Attachments: 5 source=P 123940DIVAssignmt2#page1.tif source=P 123940DIVAssignmt2#page2.tif	

**CH \$120.00 12321611**

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**PATENT  
 REEL: 024953 FRAME: 0003**

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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Shamrock Drilling Solutions, Inc.

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Shamrock Research & Development, Inc.

Internal Address: \_\_\_\_\_

Street Address: P. O. Box 2227

City: Ada

State: Oklahoma

Country: USA Zip: 74821

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) March 30, 2009

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

12/321,611

B. Patent No.(s)

7,299,885  
7,493,949

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Thomas E. Sisson

Internal Address: Jackson Walker, LLP

Street Address: 112 E. Pecan St., Suite 2400

City: San Antonio

State: Texas Zip: 78205

Phone Number: 210 978 7754

Fax Number: 210 978 7790

Email Address: tsissonipdocket@jw.com

**6. Total number of applications and patents involved: 3**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120**

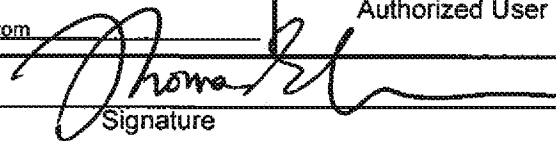
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature

2 Sept 2010  
Date

Thomas E. Sisson

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## ASSIGNMENT

WHEREAS, Shamrock Drilling Solutions, Inc. (ASSIGNOR), an Oklahoma corporation, located in Oklahoma City, Oklahoma, is the owner of certain rights to the inventions listed on attached Appendix A, for which executed applications for patents are pending and for which certain patents have issued; and

WHEREAS, SHAMROCK RESEARCH & DEVELOPMENT, INC. (ASSIGNEE), a Texas corporation, having a place of business in Ada, Oklahoma, is desirous of obtaining the entire right, title and interest in, to and under the same inventions and the said applications and patents:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the said ASSIGNOR in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said inventions, and the said United States applications and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and design which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;


AND I HEREBY authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of March, 2009.

SHAMROCK DRILLING SOLUTIONS, INC.  
Formerly known as HealthForce Corporation,  
an Oklahoma corporation

  
By: Gregory M. Jones, President

**APPENDIX A**

U.S. Patent No. 7,299,885, issued November 27, 2007  
Entitled: Downhole Drill String Having A Collapsible Subassembly  
and Method of Loosening A Stuck Drillstring  
(P-123940(PCT)(US))

PCT Appl. No. PCT/US03/21537, filed July 10, 2003  
Entitled: Downhole Drill String Having A Collapsible Subassembly  
(P-123940(PCT))

Canadian File No. 2,492,746, National Phase of PCT/US03/21537  
Entitled: Downhole Drill String Having A Collapsible Subassembly  
(P-123940(PCT)(CAN))

European Patent Appl. No. 03763429.2, Regional Phase of PCT/US03/21537,  
Entitled: Downhole Drill String Having A Collapsible Subassembly  
(P-123940(PCT)(EPO))

U.S. Patent No. 7,493,949, issued February 24, 2009  
Entitled: Flow through Stabilizer Subassembly For A Downhole Drill String  
(P-123940(PCT)(US)(CIP))

PCT Appl. No. PCT/US2006/016776, filed May 14, 2006  
Entitled: Flow Through Subassembly For A Downhole Drill String and  
Method For Making Same  
(P-123940(PCT)(CIP))

Canadian Patent File No. 2,606,899, National Phase of PCT/US2006/016776  
Entitled: Flow Through Subassembly For A Downhole Drill String and  
Method For Making Same  
(P-123940.01(PCT)(CIP)(CAN))

European Patent Appl. No. 06758906.9, Regional Phase of PCT/US2006/016776  
Entitled: Flow Through Subassembly For A Downhole Drill String and  
Method for Making Same  
(P-123940.01(PCT)(CIP)(EPO))

**SHAMROCK DRILLING SOLUTIONS, INC.**

**OFFICER CERTIFICATE**

The undersigned hereby certifies on behalf of Shamrock Drilling Solutions, Inc., an Oklahoma corporation (the "Corporation") pursuant to that certain Settlement Agreement dated March 3, 2009 in settlement of Case No. 5:08-CV-01249-R, styled *Jeffrey [sic] D. Baird, Collapsing Stabilizer Tool, Ltd, Shamrock Research and Development, Inc., and Shamrock Drilling Solutions, Inc. v. Gregory M. Jones, Douglas J. Shelton, and Mark A. Robertson*, in the United States District Court for the Western District of Oklahoma (the "Lawsuit"), that he is the duly appointed President of the Corporation, and further certifies on behalf of the Corporation:

1. The Corporation has full authority to execute, deliver and perform the obligations set forth in the Settlement Agreement dated March 3, 2009, which resolves the Lawsuit.
2. The transactions contemplated by the Settlement Agreement have been approved by the Corporation pursuant to the Memorandum of Record of Action of the Board of Directors effective as of March 30, 2009 and attached hereto.

IN WITNESS WHEREOF, the undersigned has executed this Certificate effective as of March 30, 2009.

Shamrock Drilling Solutions, Inc.

By:

  
\_\_\_\_\_  
Gregory M. Jones, President