PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRIS BUCKLEY	03/01/2019
NICK PORADEK	03/01/2019

RECEIVING PARTY DATA

Name:	ST9 GAS AND OIL, LLC	
Street Address:	21 WATERWAY AVENUE	
City:	THE WOODLANDS	
State/Country:	TEXAS	
Postal Code:	77380	

PROPERTY NUMBERS Total: 4

Property Type	Number	
Application Number:	62735574	
Application Number:	15998633	
PCT Number:	US2018052491	
PCT Number:	US2018052755	

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.

Email: denise.wilson@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP IP SECTION

Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	ST9-ASSIGN
NAME OF SUBMITTER:	DENISE WILSON
SIGNATURE:	/Denise Wilson/
DATE SIGNED:	03/06/2019

Total Attachments: 6

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PATENT REEL: 048519 FRAME: 0165

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PATENT REEL: 048519 FRAME: 0166

PATENT ASSIGNMENT

WHEREAS, Chris Buckley, a citizen of the United States residing at 17102 Lakeway Park, Tomball, Texas 77375; and Nick Poradek, a citizen of the United States residing at 10711 N. Autumnwood Way, The Woodlands, TX 77380; collectively referred to herein as "ASSIGNORS"; are inventors and/or hold rights to the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A;

WHEREAS, ST9 Gas and Oil, LLC ("ASSIGNEE"), a Texas limited liability company, with offices located at 21 Waterway Avenue, The Woodlands, Texas 77380, is desirous of obtaining the ASSIGNORS entire right, title, and interest in, to and under the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A and corresponding applications worldwide;

WHEREAS, the consummation of that certain Member Interest Purchase Agreement among Liberty Oilfield Services LLC, Liberty Oilfield Services, Inc., the Sellers Parties thereto (as that term is defined in such agreement) and Chris Buckley as Sellers' Representative dated October 26, 2018 ("Member Interest Purchase Agreement") is a condition precedent to this Patent Assignment;

WHEREAS, the Member Interest Purchase Agreement has been consummated prior to this Patent Assignment;

NOW, THEREFORE, in exchange for good and valuable consideration to the ASSIGNORS, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, their entire, worldwide right, title and interest in, to and under the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A, and any other United States application to or from which priority is claimed under 35 U.S.C. §§ 119 or § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, inventor's certificates, and designs which may hereafter be filed for the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the U.S. and PCT patent applications listed on the attached Exhibit A 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 applications are filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A in any country or countries other than the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns.

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to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNORS had this sale and assignment not been made, including the right to sue for, settle and release all past, present and future infringement of the foregoing, including the right to license and to collect and receive damages, royalties, injunctive relief, and/or settlements for infringement thereof;

And the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries other than 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

And the ASSIGNORS hereby covenant and agree that they have the full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith;

And the ASSIGNORS hereby further covenant and agree that they will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to them respecting the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for the inventions and subject matter disclosed and claimed in the U.S. and PCT patent applications listed on the attached Exhibit A in all countries;

And the ASSIGNORS hereby authorize the ASSIGNEE's patent attorney to modify this Agreement to include the appropriate application number(s), application filing date(s), and attorney docket number(s), if necessary.

In witness whereof, the ASSIGNORS have affixed their signatures.

[SIGNATURE PAGE(S) FOLLOW]

Dated: 15 MARCH 19	By:
	Printed Name: Chris Buckley
On the same date as signed above, before m to me to be the person of that name, who sig same to be his free act and deed.	ne appeared Chris Buckley, to me known and known gned the foregoing instrument, and acknowledged the
	Witness Signature
	Vanis & Tammen
	Witness Name

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Dated: 3/1/19	By: 1

Printed Name: Nick Poradek

On the same date as signed above, before me appeared Nick Poradek, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his or her free act and deed.

Witness Signature

Witness Name

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance or acknowledgement is required, I hereby accept this assignment on behalf of ASSIGNEE. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that:

l am an officer of the above-identified ASSIGNEE,

and that the foregoing is true and correct to the best of my knowledge.

Dated: 1st MARCH 19

By:

Printed Name: Chris Buckley

Title: President

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REEL: 048519 FRAME: 0171

EXHIBIT A			
Patent Application No.	Filing Date	Title	Inventors
US 62/735,574	9/28/2018	Rotating Seat Assembly	Buckley & Poradek
PCT/US2018/52491	9/24/2018	Rotating Valve Assembly	Buckley & Poradek
PCT/US2018/52755	9/25/2018	Electric Drive Pump for Well Stimulation	Buckley & Poradek
US 15/998,633	8/15/2018	Sealing System Pump Piston	Buckley & Poradek

RECORDED: 03/06/2019