

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4679250

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PHIL D. ANNO	11/04/2017
SON PHAM	06/20/2017
STACEY C. RAMSAY	06/12/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CONOCOPHILLIPS COMPANY
<b>Street Address:</b>	600 N. DAIRY ASHFORD
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77079
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15152808
<b>PCT Number:</b>	US1632019
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(281)293-4689
<i>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.</i>	
<b>Phone:</b>	281-293-1460
<b>Email:</b>	Legal-IP@conocophillips.com
<b>Correspondent Name:</b>	CONOCOPHILLIPS COMPANY
<b>Address Line 1:</b>	600 NORTH DAIRY ASHFORD
<b>Address Line 2:</b>	LEGAL TECHNOLOGY & IP ATTN DOCKETING
<b>Address Line 4:</b>	HOUSTON, TEXAS 77079-1175
<b>ATTORNEY DOCKET NUMBER:</b>	42366US02
<b>NAME OF SUBMITTER:</b>	SANDRA ANDRESS
<b>SIGNATURE:</b>	/SANDRA ANDRESS/
<b>DATE SIGNED:</b>	11/08/2017
<b>Total Attachments: 7</b>	
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**Assignment of Rights, Title and Interest in Invention****Docket No.:**

42366US02

As the below named inventor(s), I/we declare that this is an Assignment of the rights, title and interest in the following invention:

- Rights, title and interest in the invention including United States applications and patents*  
 *United States Provisional Patent Application Serial No. 62/160,998 filed 05/13/2015*  
 *United States Utility Patent Application Serial No. 15/152,808 filed 05/12/2016*  
 *United States Patent No(s). \_\_\_\_\_*  
 *Foreign rights, title and interest in the invention including international applications and patents*  
 *International (PCT) Patent Application Serial No. PCT/US2016/032019 filed 05/12/2016*  
 *Other (specify) \_\_\_\_\_*

**Title of the Invention****BIG DRILLING DATA ANALYTICS ENGINE**

Whereas, I/we, the below-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

I/we desire to assign our above-identified rights, title and interest in the Invention to the below-identified Assignee;

Therefore, for valuable consideration, the receipt of which is acknowledged, I/we hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right title and interest thereto;

I/we agree to sign and execute all necessary and lawful documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

**PATENT****REEL: 044070 FRAME: 0758**

<b>Assignment of Rights, Title and Interest in Invention</b>	<b>Docket No.:</b> 42366US02
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I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**Assignors**

<b>First Inventor:</b> <u>Phil D. Anno</u>	<b>Address:</b> <u><del>14213 Hwy 32, Water Valley, MS 38965</del></u>
<b>Signature:</b> <u>Phil D. Anno</u>	<b>Citizenship:</b> <u>U.S.</u> <b>Date:</b> <u>11-4-2017</u>
<b>Second Inventor:</b> <u>Son Pham</u>	<b>Address:</b> <u>600 N. Dairy Ashford, Houston, TX 77079</u>
<b>Signature:</b> _____	<b>Citizenship:</b> _____ <b>Date:</b> _____
<b>Third Inventor:</b> <u>Stacey C. Ramsay</u>	<b>Address:</b> <u>600 N. Dairy Ashford, Houston, TX 77079</u>
<b>Signature:</b> _____	<b>Citizenship:</b> _____ <b>Date:</b> _____

1567 County Road 1520, Eureka Springs, AR 72632  
P.A. 11-4-2017

**Assignee**

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.

**Name:** ConocoPhillips Company

**Mailing Address:**

600 North Dairy Ashford  
Houston, Texas 77079-1175  
United States of America

Patent [Attorney/Agent] and Attorney-in-Fact  
ConocoPhillips Company

Notarization

Executed this 4 day of November in the year 2017.

At UPS store (city Emerald Spring) (State)

State of Arkansas

County of Carroll

Before me personally appeared  
Phil Dean Arno  
\_\_\_\_\_  
\_\_\_\_\_

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 4 day of November in the year 2017.

John Stewart  
(Notary Public)

[SEAL]

JOHN STEWART  
CARROLL COUNTY  
NOTARY PUBLIC - ARKANSAS  
My Commission Expires March 8, 2027  
Commission No. 12700493

My Commission Expires:  
03/08/2027

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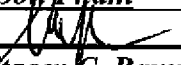
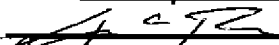
I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right title and interest thereto;

I/we agree to sign and execute all necessary and lawful documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

**Assignment of Rights, Title and Interest in Invention****Docket No.:****42366US02**

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**Assignors**

<b>First Inventor:</b> <u>Phil D. Anno</u>	<b>Address:</b> <u>14213 Hwy 32, Water Valley, MS 38965</u>
<b>Signature:</b> 	<b>Citizenship:</b> _____ <b>Date:</b> _____
<b>Second Inventor:</b> <u>Son Pham</u>	<b>Address:</b> <u>600 N. Dairy Ashford, Houston, TX 77079</u>
<b>Signature:</b> 	<b>Citizenship:</b> <u>US</u> <b>Date:</b> <u>6/26/2017</u>
<b>Third Inventor:</b> <u>Stacey C. Ramsay</u>	<b>Address:</b> <u>600 N. Dairy Ashford, Houston, TX 77079</u>
<b>Signature:</b> 	<b>Citizenship:</b> <u>U.S.</u> <b>Date:</b> <u>6/12/2017</u>

**Assignee**

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.

**Name:** ConocoPhillips Company**Mailing Address:**

600 North Dairy Ashford  
Houston, Texas 77079-1175  
United States of America

Patent [Attorney/Agent] and Attorney-in-Fact  
ConocoPhillips Company

Assignment of Rights, Title and Interest in Invention

Docket No.:  
42366US02

Notarization

Executed this 12<sup>th</sup> day of June in the year 2017.

At Houston (city) Texas (State)

State of Texas

County of Harris

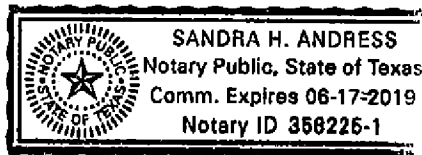
Before me personally appeared

Stacey C. Ramsay

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 12<sup>th</sup> day of June in the year 2017.

Sandra H. Address  
(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2019



Assignment of Rights, Title and Interest in Invention

Docket No.:  
42366US02

Notarization

Executed this 20th day of June in the year 2017.

At Houston (city) Texas (State)

State of Texas

County of Harris

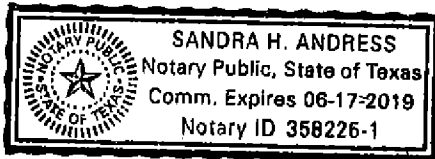
Before me personally appeared

Son Pham

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 20th day of June in the year 2017.

Sandra H. Address  
(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2019