PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| ALI HAYDAR DOGRU | 02/27/2018 |

RECEIVING PARTY DATA

| Name: | SAUDI ARABIAN OIL COMPANY | |
|-----------------|---------------------------|--|
| Street Address: | 1 EASTERN AVENUE | |
| City: | DHAHRAN | |
| State/Country: | SAUDI ARABIA | |
| Postal Code: | 31311 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15907828 |

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.

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| ATTORNEY DOCKET NUMBER: | 0004159.105759 | |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER: | ALBERT B. KIMBALL, JR. | |
| SIGNATURE: | /Albert B. Kimball, Jr./ | |
| DATE SIGNED: | 02/28/2018 | |

Total Attachments: 2

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PATENT 504798029 REEL: 045065 FRAME: 0331

NON-PROVISIONAL PATENT APPLICATION ASSIGNMENT

WHEREAS, I, ALI HAYDAR DOGRU, a citizen of the United States of America, am

the inventor of "LOCATING NEW HYDROCARBON FIELDS AND PREDICTING

RESERVOIR PERFORMANCE FROM HYDROCARBON MIGRATION", for which a

non-provisional application for United States Letters Patent is being filed herewith.

WHEREAS, Saudi Arabian Oil Company, a Company with Limited Liability of Saudi

Arabia, with a business address of 1 Eastern Avenue, Dhahran 31311, Saudi Arabia, hereafter

"SAUDI ARAMCO", is desirous of acquiring my entire right, title and interest in and to the

aforesaid invention throughout the world, and all right, title and interest in, to and under any and

all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1,00) to me in

hand paid by SAUDI ARAMCO and for other good and valuable considerations, the receipt of

which is hereby acknowledged, I hereby sell, assign, transfer and set over to SAUDI ARAMCO,

all my right, fitle and interest in and to the said invention throughout the world, and said application

for U.S. Letters Patent, and any and all divisions, continuations, reexaminations and reissues

thereof, and any and all Letters Patent of the United States and foreign countries which may be

granted therefor, the same to be held and enjoyed by them for their own use and benefit, and for

the use and benefit of their successors, assigns, or other legal representatives, to the end of the term

or terms for which said Letters Patent of the United States or foreign countries are or may be

granted, reexamined or reissued, as fully and entirely as the same would have been held and

enjoyed by me if this assignment and sale had not been made.

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue

any and all Letters Patent of the United States on said invention or resulting from said application

and from any and all divisions, continuations, and reissues thereof, to SAUDI ARAMCO, as

assignee of my entire interest, and hereby covenant that I have the full right to convey my entire

interest herein assigned, and that I have not executed and will not execute any agreement in conflict

herewith.

And I further hereby covenant and agree that I will, at any time, upon request, execute and

deliver any and all papers that may be necessary or desirable to perfect the title of said invention

-1-

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PATENT REEL: 045065 FRAME: 0332 and to such Letters Patent as may be granted therefor, to SAUDI ARAMCO, its successors, assigns, or other legal representatives and that if SAUDI ARAMCO shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And I do further covenant and agree that I will, at any time upon request, communicate to SAUDI ARAMCO, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to me, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 27 day of February , 2018.

ALI H. DOGRU

-2-

RECORDED: 02/28/2018