Patent and Trademark Office

To the Honorable Commissioner of

101058939

∴ned original documents or copy thereof.

2. Name and address of receiving party: 1. Name of conveying parties: Names: Atlantic Richfield Company Names: Brian E. Hornby Address: 3. Nature of conveyance: Patent and Trademark Department 2300 West Plano Parkway ☐ Merger Assignment Plano, Texas 75075 ☐ Change of Name ☐ Security Agreement ☐ Other: Execution Date: May 26, 1999 Additional name(s) and address(es) attached? ☐ Yes ■ No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the xecution date of the application is: May 26, 1999 B. Patent No.(s) Patent Application No.(s) Additional numbers attached? ☐ Yes ■ No 6. Total number of applications and patents involved: Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41)\$40.00 Name: Rodney M. Anderson Enclosed Address: Anderson, Levine & Lintel L.L.P. Deficiency authorized to be charged to deposit 12160 Abrams Road, Suite 111 account Dallas, Texas 75243 8. Deposit account number: 01-1615 06/08/1999 DTHOMAS 00000021 09320486 (Attach duplicate copy of this page if paying by deposit account) 40.00 OP 2 FC:581 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 26 May 1999 Rodney M. Anderson Name of person Signing Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

ATLANTIC RICHFIELD COMPANY
ASSIGNMENT

Case No. DP-50-6-1806A

WHEREAS, I, Brian E. Hornby, of 3709 Ellington Drive, Plano, Texas; am the inventor of an

invention or improvement entitled FRACTURE DISCRIMINATION USING BOREHOLE

FREQUENCY RESPONSE OF STONELEY WAVES for which I have executed an application for

Letters Patent of the United States of America, on even date herewith; and

WHEREAS, Atlantic Richfield Company, a corporation organized and existing under the laws of

the State of Delaware, having its principal office and place of business in the City of Los Angeles, State of

California, is desirous of obtaining the entire right, title and interest in, to and under the said invention and

the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the

receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and by these

presents do hereby sell, assign, transfer and set over, unto the said Atlantic Richfield Company, its

successors, legal representatives, and assigns, my entire right, title and interest in, to and under the said

invention, and the said application, and all divisional, renewal, substitutional, and continuing applications

thereof, and all Letters Patent of the United States of America which may be granted thereon and all

reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention

in any country or countries foreign to the United States of America, including all rights of priority, all rights

to publish cautionary notices reserving ownership of said invention, all rights to register said invention in

appropriate registries, and all Letters Patent which may be granted for said invention in any country or

countries foreign to the United States of America, and all extensions, renewals, and reissues thereof; and I

hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America,

and any official of any country or countries foreign to the United States of America, whose duty it is to

issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Atlantic

Richfield Company, its successors, legal representatives and assigns, in accordance with the terms of this

instrument.

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PATENT REEL: 010002 FRAME: 0055

AND I HEREBY covenant that I have 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 HEREBY further covenant and agree that I will communicate to said Atlantic Richfield Company, its successors, legal representatives and assigns, any fact known to me respecting said invention, and testify, in any legal proceeding, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Atlantic Richfield Company, 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 on the date set forth hereinbelow.

Assignor: Brian E. Hornby

Date: 5/26/99

STATE OF TEXAS COUNTY OF COLLIN

Before me personally appeared the above-identified individual and acknowledged the foregoing assignment to be his voluntary act and deed on this the 26 Eday of May, 1999.

Wenda C. Fack Notary Public in and for

State of Texas

Shear : Provinciant of Yexas Advisorant Expires 10/04/02

RECORDED: 05/26/1999

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> PATENT ⁷ REEL: 010002 FRAME: 0056