

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the 1st Serial Number patent application previously recorded on Reel 016263 Frame 0381. Assignor(s) hereby confirms the change of name for security agreement.

CONVEYING PARTY DATA

Name	Execution Date
NEWPARK DRILLING FLUIDS LABORATORY, INC., A TEXAS CORPORATION	03/10/2005

RECEIVING PARTY DATA

Name:	BANK ONE, N.A., A NATIONAL BANKING ASSOCIATION
Street Address:	1717 MAIN STREET
City:	DALLAS
State/Country:	TEXAS
Postal Code:	75201

PROPERTY NUMBERS Total: 10

Property Type	Number
Application Number:	10177966
Patent Number:	5032037
Patent Number:	4780220
Patent Number:	5734988
Patent Number:	5961438
Patent Number:	5589603
Patent Number:	5969227
Patent Number:	6105415
Patent Number:	5710107
Patent Number:	5403820

CORRESPONDENCE DATA

Fax Number: (214)758-1550

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

PATENT
REEL: 016290 FRAME: 0413

CH \$400.00 10177966

Phone: 2147581500
Email: estafford@pattonboggs.com
Correspondent Name: Thomas A. Kulik
Address Line 1: 2001 Ross Avenue
Address Line 2: Suite 3000; Patton Boggs, LLP
Address Line 4: Dallas, TEXAS 75201

NAME OF SUBMITTER:

Thomas A. Kulik

Total Attachments: 27

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PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

07/15/2005
500040048

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
NEWPARK DRILLING FLUIDS LABORATORY, INC.	03/10/2005
RECEIVING PARTY DATA	
Name:	BANK ONE, N.A.
Street Address:	1717 Main Street
City:	Dallas
State/Country:	TEXAS
Postal Code:	75201
PROPERTY NUMBERS Total: 10	
Property Type	Number
Application Number:	10177996
Patent Number:	5032037
Patent Number:	4780220
Patent Number:	5734988
Patent Number:	5961438
Patent Number:	5589603
Patent Number:	5969227
Patent Number:	6105415
Patent Number:	5710107
Patent Number:	5403820
CORRESPONDENCE DATA	
Fax Number:	(214)758-1550
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2147581500
Email:	estafford@pattonboggs.com

CH \$400.00 10177996

Correspondent Name: Thomas A. Kulik
Address Line 1: 2001 Ross Avenue
Address Line 2: Suite 3000; Patton Boggs, LLP
Address Line 4: Dallas, TEXAS 75201

NAME OF SUBMITTER:

Thomas A. Kulik

Total Attachments: 22

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Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697



Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

CERTIFICATE OF FILING OF

NEWPARK DRILLING FLUIDS LABORATORY, INC.

Filing Number: 134008700

Assumed Name:

OGS Laboratory

The undersigned, as Secretary of State of Texas, hereby certifies that the assumed name certificate for the above named entity has been received in this office and filed as provided by law on the date shown below.

ACCORDINGLY the undersigned, as Secretary of State, and by virtue of the authority vested in the Secretary by law hereby issues this Certificate of Filing.

Dated: 11/09/2004

Effective: 11/09/2004



A handwritten signature in black ink, appearing to read "G. Connor".

Geoffrey S. Connor
Secretary of State

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697



Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

CERTIFICATE OF AMENDMENT OF

NEWPARK DRILLING FLUIDS LABORATORY, INC.
134008700

[formerly: OGS LABORATORY, INC.]

The undersigned, as Secretary of State of Texas, hereby certifies that the attached Articles of amendment for the above named entity have been received in this office and have been found to conform to law.

ACCORDINGLY the undersigned, as Secretary of State, and by virtue of the authority vested in the Secretary by law hereby issues this Certificate of Amendment.

Dated: 11/08/2004
Effective: 11/08/2004



A handwritten signature in black ink, appearing to read "G. Connor".

Geoffrey S. Connor
Secretary of State

**ARTICLES OF AMENDMENT
TO ARTICLES OF INCORPORATION
OF OGS LABORATORY, INC.**

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act, the undersigned corporation adopts the following Articles of Amendment to its Articles of Incorporation:

ARTICLE ONE

The name of the corporation is OGS LABORATORY, INC.

ARTICLE TWO

The following amendment to the Articles of Incorporation was adopted by the shareholders of the corporation on October 22, 2004:

The amendment alters Article One of the Original Articles of Incorporation to read as follows:

The name of the corporation is NEWPARK DRILLING FLUIDS LABORATORY, INC.

ARTICLE THREE

The number of shares of the corporation outstanding at the time of the adoption was 1,000; and the total number of shares entitled to vote on the amendment was 1,000.

ARTICLE FOUR

The holders of all of the shares outstanding and entitled to vote on the amendments have signed a consent in writing adopting the amendments.

NEWPARK DRILLING FLUIDS LABORATORY, INC.

By: _____

Edah Keating, Secretary

Dated: October 25, 2004

**UNANIMOUS SHAREHOLDER CONSENT TO AMENDMENT OF THE
ARTICLES OF INCORPORATION OF OGS LABORATORY, INC.**

WHEREAS, the sole shareholder of OGS Laboratory, Inc. is Newpark Resources, Inc.;

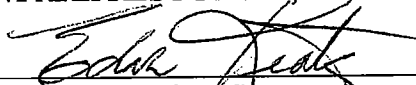
NOW, THEREFORE, the sole shareholder consents to the following amendment to the Articles of Incorporation of OGS Laboratory, Inc.:

The amendment shall alter Article One of the Original Articles of Incorporation to read as follows:

The name of the corporation is NEWPARK DRILLING FLUIDS LABORATORY, INC.

NEWPARK RESOURCES, INC.

By: _____


Edah Keating, Secretary

Dated: October 25, 2004

**ACTION BY UNANIMOUS WRITTEN CONSENT
BOARD OF DIRECTORS
NEWPARK DRILLING FLUIDS LABORATORY, INC.
Formerly OGS LABORATORY INC.
MARCH 10, 2005**

WE, the undersigned, being all of the duly elected and qualified Directors of Newpark Drilling Fluids Laboratory, Inc., a Texas corporation, (formerly OGS Laboratory, Inc. whose name was changed on November 11, 2004), (hereinafter referred to as the "Authorizing Entity") do hereby consent to, approve and adopt the following Resolutions by unanimous written consent in lieu of a meeting.

RESOLUTIONS

RESOLVED: That any officer Newpark Drilling Fluids Laboratory, Inc., (the "Authorizing Entity") acting alone, by his signature be, and the same is hereby authorized and directed to execute and deliver to JPMorgan Chase Bank, N.A. (successor by merger to Bank One, N.A.), as agent (in such capacity, "Agent") under that certain Amended and Restated Credit Agreement, dated as of February 25, 2004, as amended by that certain First Amendment to Amended and Restated Credit Agreement, dated July 26, 2004, by and among the Authorizing Entity, the other Loan Parties (as defined therein), Agent and the Lenders (as defined therein) party thereto (the "Credit Agreement"), in the name of and on behalf of the Authorizing Entity with such changes in the terms and provisions thereof as the officer executing same shall, in his sole discretion, deem advisable, (i) that certain proposed Second Amendment to the Credit Agreement (the "Second Amendment"), by and among the Authorizing Entity, Composite Mat Solutions L.L.C., Newpark Environmental Water Solutions LLC, Newpark Water Technology Partners LLC, the other Loan Parties, Agent and the Lenders party thereto, a copy of which has been reviewed and discussed by the board of directors or other governing body of the Authorizing Entity and (ii) such other agreements, amendments, instruments, statements and writings (including amendments and restatements thereof) as the officer or officers executing the same may deem desirable or necessary in connection with the Second Amendment and the transactions contemplated thereby, all of which the board of directors or other governing body of the Authorizing Entity determines to be in the best interests of the Authorizing Entity; and be it


FURTHER RESOLVED: That the transactions contemplated by the Second Amendment and any agreements, instruments, statements and writings (including amendments and restatements thereof) executed in connection therewith, are hereby authorized and approved by the board of directors or other governing body of the Authorizing Entity; and be it

FURTHER RESOLVED: That the Second Amendment and all other agreements and other statements in writing executed in the name and on behalf of the Authorizing Entity by any officer thereof shall be presumed conclusively to be the instruments of the Authorizing Entity, the execution of which is authorized by the resolutions; and be it

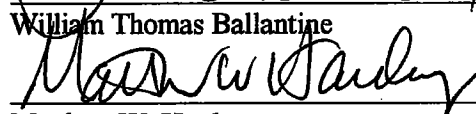
FURTHER RESOLVED: That any officer of the Authorizing Entity and such employee or employees thereof, as shall be designated by any officer of the Authorizing Entity from time to time, by the signature of any one or more of them, be, and the same hereby are, authorized and directed to execute, in the name of and on behalf of the Authorizing Entity, amendments, security agreements, financing statements, assignments, collateral reports, loan statements, confirmations of delivery, lien statements, pledge certificates, release certificates, removal reports, guaranties, cross-collateralization agreements and such other writings as are necessary in their dealings with the Agent, and any such papers executed by any of them prior to this time are approved, ratified and confirmed; and that the Secretary of the Authorizing Entity is hereby instructed to provide Agent, from time to time, with lists of the persons who shall have been authorized by the Authorizing Entity to take the above action; and that the presence of the name of any one of the above persons upon any such agreement, document or instrument shall, as to the Agent, be deemed the signature of the person named, whether actually signed by him or someone else, there being no obligation on the part of Agent to certify such signature; and that such designations communicated to Agent shall continue in full force and effect until notice of revocation thereof is communicated to Agent at least ten days prior to the effective date of termination of such authority; and be it

FURTHER RESOLVED: That any officer of the Authorizing Entity, by the signature of such officer, be, and the same hereby are, authorized to attest the execution by the Authorizing Entity of the papers signed pursuant to these resolutions and to certify to Agent and the other Lenders the adoption of these resolutions.

Executed on or as of March 10, 2005.


James D. Cole


William Thomas Ballantine

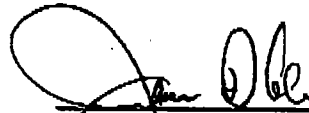

Matthew W. Hardey

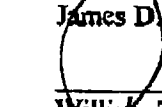
Bruce Smith

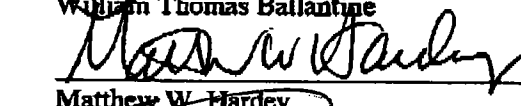
FURTHER RESOLVED: That any officer of the Authorizing Entity and such employee or employees thereof, as shall be designated by any officer of the Authorizing Entity from time to time, by the signature of any one or more of them, be, and the same hereby are, authorized and directed to execute, in the name of and on behalf of the Authorizing Entity, amendments, security agreements, financing statements, assignments, collateral reports, loan statements, confirmations of delivery, lien statements, pledge certificates, release certificates, removal reports, guaranties, cross-collateralization agreements and such other writings as are necessary in their dealings with the Agent, and any such papers executed by any of them prior to this time are approved, ratified and confirmed; and that the Secretary of the Authorizing Entity is hereby instructed to provide Agent, from time to time, with lists of the persons who shall have been authorized by the Authorizing Entity to take the above action; and that the presence of the name of any one of the above persons upon any such agreement, document or instrument shall, as to the Agent, be deemed the signature of the person named, whether actually signed by him or someone else, there being no obligation on the part of Agent to certify such signature; and that such designations communicated to Agent shall continue in full force and effect until notice of revocation thereof is communicated to Agent at least ten days prior to the effective date of termination of such authority; and be it

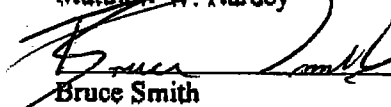
FURTHER RESOLVED: That any officer of the Authorizing Entity, by the signature of such officer, be, and the same hereby are, authorized to attest the execution by the Authorizing Entity of the papers signed pursuant to these resolutions and to certify to Agent and the other Lenders the adoption of these resolutions.

Executed on or as of March 10, 2005.


James D. Cole


William Thomas Ballantine



Matthew W. Hardey


Bruce Smith

FURTHER RESOLVED: That any officer of the Authorizing Entity and such employee or employees thereof, as shall be designated by any officer of the Authorizing Entity from time to time, by the signature of any one or more of them, be, and the same hereby are, authorized and directed to execute, in the name of and on behalf of the Authorizing Entity, amendments, security agreements, financing statements, assignments, collateral reports, loan statements, confirmations of delivery, lien statements, pledge certificates, release certificates, removal reports, guaranties, cross-collateralization agreements and such other writings as are necessary in their dealings with the Agent, and any such papers executed by any of them prior to this time are approved, ratified and confirmed; and that the Secretary of the Authorizing Entity is hereby instructed to provide Agent, from time to time, with lists of the persons who shall have been authorized by the Authorizing Entity to take the above action; and that the presence of the name of any one of the above persons upon any such agreement, document or instrument shall, as to the Agent, be deemed the signature of the person named, whether actually signed by him or someone else, there being no obligation on the part of Agent to certify such signature; and that such designations communicated to Agent shall continue in full force and effect until notice of revocation thereof is communicated to Agent at least ten days prior to the effective date of termination of such authority; and be it

FURTHER RESOLVED: That any officer of the Authorizing Entity, by the signature of such officer, be, and the same hereby are, authorized to attest the execution by the Authorizing Entity of the papers signed pursuant to these resolutions and to certify to Agent and the other Lenders the adoption of these resolutions.

Executed on or as of March 10, 2005.


James D. Cole
William Thomas Ballantine
Matthew W. Hardey
Bruce Smith

REC

03-11-2004

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office



Tab settings ⇨ ⇨ ⇨

OFFICE OF

102690839

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Newpark Drilling Fluids, LLC
Newpark Resources, Inc.
OGS Laboratory, Inc.
Supreme Contractors, L.L.C.

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

2. Name and address of receiving party(ies)

Name: Bank One, N.A.

Internal Address:

Street Address: 1717 Main Street

City: Dallas State: TX Zip: 75201

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☒ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: February 25, 2004

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
10/177,966

B. Patent No.(s)
5,032,037

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: C. C. Prudhomme, III

Internal Address:

Street Address: 1717 Main Street

City: Dallas State: TX Zip: 75201

6. Total number of applications and patents involved: 10

7. Total fee (37 CFR 3.41) \$ 400.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-2816 (deficiency only)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.

Thomas A. Kulik
Name of Person Signing

Signature

March 3, 2004
Date

Total number of pages including cover sheet, attachments, and documents: 12

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

03/10/2004 NGETACHE 00000009 10177966

01 FC:0021

400.00 DP

PATENT
REEL: 016290 FRAME: 0425

CONTINUATION OF ITEM 4

Patents

Applications

4,780,220

5,734,988

5,961,438

5,589,603

5,969,227

6,105,415

5,710,107

5,403,820

PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT, dated as of February 25, 2004, by **NEWPARK DRILLING FLUIDS, L.L.C.**, a Texas limited liability company, **NEWPARK RESOURCES, INC.**, a Delaware corporation, **OGS LABORATORY, INC.**, a Texas corporation, and **SUPREME CONTRACTORS, L.L.C.**, a Louisiana limited liability company (collectively, "Grantors"), in favor of **BANK ONE, NA**, a national banking association ("Bank One"), in its capacity as Agent ("Agent") for Lenders pursuant to the terms of the Credit Agreement (as defined below).

W I T N E S S E T H:

WHEREAS, pursuant to that certain Amended and Restated Credit Agreement, dated as of the date hereof, by and among Grantors, the other Loan Parties, Agent, and Lenders from time to time party thereto (including all annexes, exhibits and schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the "Credit Agreement"), Lenders have agreed to make the Loans on behalf of Grantors;

WHEREAS, in connection with the Credit Agreement and the other Loan Documents, Grantors shall have executed and delivered to Agent, for itself and the ratable benefit of Lenders, that certain Pledge and Security Agreement dated as of the date hereof (including all annexes, exhibits or schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the "Security Agreement");

WHEREAS, pursuant to the Security Agreement, Grantors are required to execute and deliver to Agent, for the benefit of itself and Lenders, this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantors hereby agree as follows:

1. **DEFINED TERMS.** All capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement, or to the extent not defined therein, the Credit Agreement.

2. **GRANT OF SECURITY INTEREST IN PATENT COLLATERAL.** Grantors hereby grant to Agent, on behalf of itself and Lenders, a continuing first priority security interest in all of each Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Patent Collateral"):

(a) all of its Patents and any of its rights under any written agreement now owned or hereafter acquired by each Grantor granting any right to use any Patent (collectively, the "Patent Licenses") to which it is a party including those referred to on Schedule I hereto;

(b) all reissues, continuations or extensions of the foregoing; and

(c) all products and proceeds of the foregoing, including, without limitation, any claim by any Grantor against third parties for past, present or future infringement of any Patent or any Patent licensed under any Patent License.

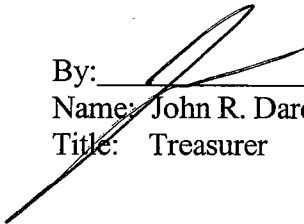
3. **SECURITY AGREEMENT.** The security interests granted pursuant to this Patent Security Agreement are granted in conjunction with the security interests granted to Agent, on behalf of itself and Lenders, pursuant to the Security Agreement. Grantors hereby acknowledge and affirm that the rights and remedies of Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

4. **AMENDMENT AND RESTATEMENT.** This Patent Security Agreement, together with the Security Agreement and the other IP Security Agreements (as defined in the Security Agreement), are given in amendment, consolidation, restatement, renewal and extension (but not in novation, extinguishment or satisfaction) of all security agreements, pledge agreements, assignments and similar agreements delivered pursuant to the Prior Loan Agreements (including without limitation, all "Collateral Documents," as defined in, and executed pursuant to the Amended Loan Agreement).

[Remainder of page intentionally left blank; signature page follows]

IN WITNESS WHEREOF, Grantors have caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

**NEWPARK DRILLING FLUIDS, L.L.C.,
NEWPARK RESOURCES, INC.,
OGS LABORATORY, INC., and
SUPREME CONTRACTORS, L.L.C.**

By: 
Name: John R. Dardenne
Title: Treasurer

ACCEPTED AND ACKNOWLEDGED BY:

BANK ONE, NA,
as Agent

By: 

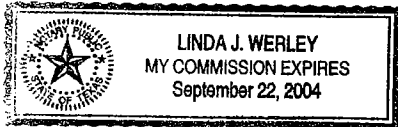
Name: C. C. Prudhomme III

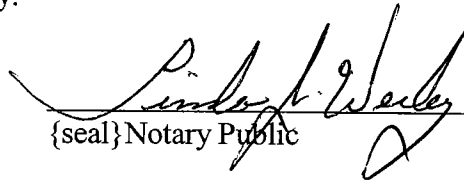
Title: Director

ACKNOWLEDGMENT OF GRANTOR

STATE OF TEXAS)
)
COUNTY OF DALLAS) ss.

On this 24th day of February, 2004 before me personally appeared John R. Dardenne, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of Newpark Drilling Fluids, L.L.C., who being by me duly sworn did depose and say that he is an authorized officer of said limited liability company, that the said instrument was signed on behalf of said limited liability company authorized by its members, managers or directors, as applicable, and that he acknowledged said instrument to be the free act and deed of said limited liability company.

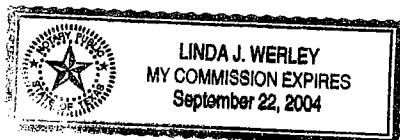


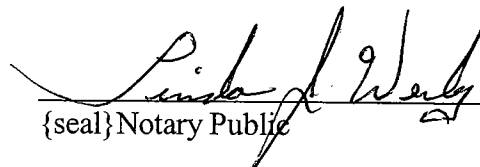

{seal} Notary Public

ACKNOWLEDGMENT OF GRANTOR

STATE OF TEXAS)
)
COUNTY OF DALLAS) ss.

On this 24th day of February, 2004 before me personally appeared John R. Dardenne, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of Supreme Contractors, L.L.C., who being by me duly sworn did depose and say that he is an authorized officer of said limited liability company, that the said instrument was signed on behalf of said limited liability company authorized by its members, managers or directors, as applicable, and that he acknowledged said instrument to be the free act and deed of said limited liability company.

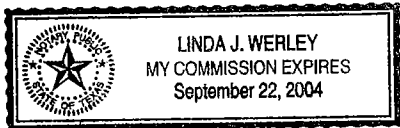


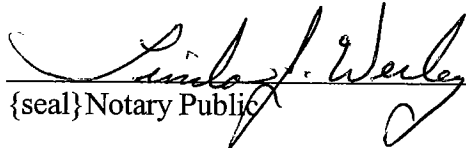

{seal} Notary Public

ACKNOWLEDGMENT OF GRANTOR

STATE OF TEXAS)
)
COUNTY OF DALLAS) ss.

On this 24th day of February, 2004 before me personally appeared John R. Dardenne, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of Newpark Resources, Inc., who being by me duly sworn did depose and say that he is an authorized officer of said corporation, that the said instrument was signed on behalf of said corporation authorized by its directors and that he acknowledged said instrument to be the free act and deed of said corporation.

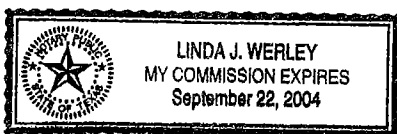


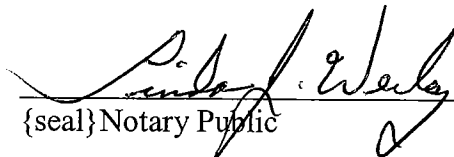

{seal} Notary Public

ACKNOWLEDGMENT OF GRANTOR

STATE OF TEXAS)
)
COUNTY OF DALLAS) ss.

On this 24th day of February, 2004 before me personally appeared John R. Dardenne, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of OGS Laboratory, Inc., who being by me duly sworn did depose and say that he is an authorized officer of said corporation, that the said instrument was signed on behalf of said corporation authorized by its directors and that he acknowledged said instrument to be the free act and deed of said corporation.




{seal} Notary Public

SCHEDULE I TO PATENT SECURITY AGREEMENT

PATENTS/APPLICATIONS

No.	Patent No. Issue Date	Patent App. No. Filing Date	Country (U.S. Priority)	Owner/Assignee	Title
1	5,032,037 July 16, 1991	509,059 April 12, 1990	United States	Supreme Contractors, LLC May 28, 1997	METHOD AND APPARATUS FOR TEMPORARY MATING AT CONSTRUCTION SITE
2	4,780,220 October 25, 1988	053,472 May 26, 1987	United States	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID
3	5,734,988 March 31, 1998	606,201 February 23, 1996	United States	Newpark Resources, Inc. April 22, 1996	METHOD AND APPARATUS FOR THE INJECTION DISPOSAL OF SOLID AND LIQUID WASTE MATERIALS INTO SUBPRESSURED EARTH FORMATIONS PENETRATED BY A BOREHOLE
4	5,961,438 October 5, 1999	052,637 March 31, 1998	United States	Newpark Resources, Inc. June 10, 1998	METHOD AND APPARATUS FOR THE INJECTION DISPOSAL OF SOLID AND LIQUID WASTE MATERIALS INTO SUBPRESSURED EARTH FORMATIONS PENETRATED BY A BOREHOLE
5	5,589,603 December 31, 1996	294,250 August 22, 1994	United States	Newpark Resources, Inc.	METHOD AND APPARATUS FOR THE INJECTION OF SOLID AND LIQUID WASTE MATERIALS
6	5,969,227 October 19, 1999	09/016,514 January 30, 1998	United States	Newpark Drilling Fluids, Inc.	APPARATUS AND METHOD FOR TESTING LUBRICITY
7	6,105,415 August 22, 2000	09/417,817 October 14, 1999	United States (5,969,227)	Newpark Drilling Fluids, Inc.	APPARATUS AND METHOD FOR TESTING LUBRICITY
8	5,710,107 January 20, 1996	08/492,075 November 9, 1993	United States	OGS Laboratory, Inc.	ENVIRONMENTALLY SAFE DRILLING FLUID
9	5,403,820 April 4, 1995	07/996,583 February 24, 1992	United States	OGS Laboratory, Inc.	ENVIRONMENTALLY SAFE WATER BASE DRILLING FLUID
10	Application	10/177,966 June 21, 2002	United States	Newpark Drilling Fluids, Inc.	AQUEOUS DRILLING FLUID AND SHALE INHIBITOR
11	PI 8802384.8 May 9, 1988	8802364-8	Brazil (4,780,220)	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID

PATENT

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SCHEDULE I TO PATENT SECURITY AGREEMENT

No.	Patent No. Issue Date	Patent App. No. Filing Date	Country (U.S. Priority)	Owner/Assignee	Title
12	1,296,514 March 3, 1992	585,412 April 28, 1988	Canada (4,780,220)	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID
13	0293191 May 25, 1988		United Kingdom (4,780,220)	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID
14	170158 August 10, 1993		Mexico (4,780,220)	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID
15	176721 May 25, 1988		Norway (4,780,220)	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID
16	50870 January 1, 1994	732/88 May 12, 1988	Venezuela (4,780,220)	Newpark Drilling Fluids, Inc.	DRILLING AND COMPLETION FLUID
17	11,958		Nigeria (5,710,107)	No Information	ENVIRONMENTALLY SAFE DRILLING FLUID
18	16780 December 23, 1993	93137 December 23, 1993	Tunisia (5,710,107)	No Information	ENVIRONMENTALLY SAFE DRILLING FLUID
19	Application	2,319,396 July 28, 2000	Canada (5,969,227)	Newpark Drilling Fluids, Inc.	APPARATUS AND METHOD FOR TESTING LUBRICITY
20	Application	98928032.9 May 29, 1998	Europe (5,969,227)	Newpark Drilling Fluids, Inc.	APPARATUS AND METHOD FOR TESTING LUBRICITY
21	Application	20003871 July 28, 2000	Norway (5,969,227)	Newpark Drilling Fluids, Inc.	APPARATUS AND METHOD FOR TESTING LUBRICITY
22	2,155,588 September 15, 1998	August 8, 1995	Canada	Newpark Resources, Inc.	METHOD AND APPARATUS FOR THE INJECTION OF SOLID AND LIQUID WASTE MATERIALS FROM THE DRILLING AND PRODUCTION OF OIL AND GAS WASTE
23	2,292,958	9517070	United Kingdom	Newpark Resources, Inc.	METHOD AND APPARATUS FOR THE INJECTION OF SOLID AND LIQUID WASTE MATERIALS FROM THE DRILLING AND PRODUCTION OF OIL AND GAS WELLS
24	Application	9503610	Mexico	No Information	METHOD AND APPARATUS FOR THE INJECTION OF SOLID NATURALLY OCCURRING RADIOACTIVE WASTE FROM OIL AND GAS PRODUCTION
25	1474-95 October 30, 1998	1474-95	Venezuela	No Information	METHOD AND APPARATUS FOR THE INJECTION OF SOLID NATURALLY OCCURRING RADIOACTIVE WASTE FROM OIL AND GAS PRODUCTION

Exhibit of Patents and Applications

Patents

5,032,037

4,780,220

5,734,988

5,961,438

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6,105,415

5,710,107

5,403,820

Applications

10/177,966