

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI519891

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NEWPARK DRILLING FLUIDS LLC	09/24/2024
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	BANK OF AMERICA, N.A.
<b>Street Address:</b>	One Cowboys Way, 5th Floor
<b>Internal Address:</b>	Mailcode: TX2-574-05-04
<b>City:</b>	Frisco
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75034
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7137459
Patent Number:	8623790
Patent Number:	9803129
Patent Number:	10845354
Patent Number:	11530580
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	2142000853
<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>	2109787404
<b>Email:</b>	lori.lapidario@haynesboone.com
<b>Correspondent Name:</b>	Mrs. Lorellyn Lapidario
<b>Address Line 1:</b>	2801 N. Harwood St., Ste. 2300
<b>Address Line 4:</b>	Dallas, TEXAS 75201
<b>ATTORNEY DOCKET NUMBER:</b>	17997.02422
<b>NAME OF SUBMITTER:</b>	Mrs. LORELLYN LAPIDARIO
<b>SIGNATURE:</b>	Mrs. LORELLYN LAPIDARIO
<b>DATE SIGNED:</b>	09/25/2024
<b>Total Attachments: 18</b>	

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of September 24, 2024 (as amended, restated, amended and restated, supplemented or otherwise modified or replaced from time to time, this “IP Security Agreement”), is made by each of the signatories hereto (collectively, the “Grantors”) in favor of BANK OF AMERICA, N.A., as agent and security trustee (together with its successors in such capacities, the “Agent”) for the Secured Parties (as defined in the Loan Agreement referred to below).

NEWPARK DRILLING FLUIDS LLC, a Texas limited liability company (“Initial U.S. Borrower”), CLEANSORB LIMITED, a private company limited by shares incorporated in England and Wales with company number 02974002 and having its registered office address at 9th Floor 107 Cheapside, London, United Kingdom, EC2V 6DN (“Initial U.K. Borrower”), NEWPARK CANADA INC., an Alberta corporation (“Newpark Canada”), PRAGMATIC DRILLING FLUIDS ADDITIVES LTD., an Alberta corporation (“Pragmatic”, and together with Newpark Canada, each an “Initial Canadian Borrower” and collectively, “Initial Canadian Borrowers”, and together with the Initial U.S. Borrower, Initial U.K. Borrower and any Person joined as a “Borrower” from time to time, each a “Borrower” and collectively, “Borrowers”), the Guarantors party thereto, Agent and the banks and other financial institutions party thereto as “Lenders” (collectively, the “Lenders”) executed that certain Loan, Security and Guaranty Agreement dated as of September 13, 2024 (as amended, restated, supplemented or modified from time to time, the “Loan Agreement”), pursuant to which the Lenders agreed to make loans and other extensions of credit to the Borrowers for the purposes set forth therein (unless otherwise defined herein, all terms used herein with their initial letter capitalized shall have the meaning given such terms in the Loan Agreement).

Under the terms of the Loan Agreement and subject to the limitations contained therein, the Grantors have granted to Agent, for the benefit of the Secured Parties, a security interest in all of the Grantors’ right, title, and interest in and to certain Collateral, including certain of their Copyrights, Trademarks and Patents and have agreed as a condition thereof to execute this IP Security Agreement with respect to certain of their Copyrights, Trademarks and Patents in order to record the security interests granted therein with the United States Copyright Office or United States Patent and Trademark Office, as applicable (or any successor office or other applicable government registry).

NOW, THEREFORE, in consideration of the above premises, the Grantors hereby agree with Agent, for the benefit of the Secured Parties, as follows:

**SECTION 1** Grant of Security. Each Grantor hereby grants to the Agent, to the extent provided in Section 7.1 of the Loan Agreement, for the benefit of the Secured Parties, a security interest in all of such Grantor’s right, title and interest in and to the following (the “IP Collateral”), as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of such Grantor’s Obligations:

(a) (i) all United States and foreign copyrights, whether or not the underlying works of authorship have been published and whether as author, assignee, transferee or otherwise, including but not limited to copyrights in software and databases, all Mask Works (as defined in 17 U.S.C. 901 of the U.S. Copyright Act) and all works of authorship, all right, title and interest to make and exploit all derivative works based on or adopted from works covered by such copyrights, and all copyright registrations, copyright applications, mask works registrations and mask works applications, and any renewals or extensions thereof, including each registration and application identified in Schedule I, and (ii) the rights to print, publish and distribute any of the foregoing (“Copyrights”);

(b) all written agreements naming any Grantor as licensor or licensee, providing for the granting by or to any Grantor of any right in or to any Copyright (“Copyright Licenses”), to the extent such Grantor is not the granting party, including any of the foregoing identified in Schedule 1;

(c) (i) the right to sue or otherwise recover for any and all past, present and future infringement, misappropriation, dilution or other impairment or violation of any of the property (“Infringements”) described in (a) and (b) above, and (ii) all income, royalties, damages and other payments now and hereafter due and/or payable with respect to any of the property described in (a) and (b) above (the items described in (a), (b) and (c), collectively, the “Copyright Collateral”);

(d) (i) all United States, state and foreign trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade dress, trade styles, logos, or other indicia of origin or source identification, Internet domain names, trademark and service mark registrations, designs and general intangibles of like nature and applications for trademark or service mark registrations and any renewals thereof, including each registration and application identified in Schedule 2 (but excluding in all cases all intent-to-use United States trademark applications for which an amendment to allege use or statement of use has not been filed under 15 U.S.C. § 1051(c) or 15 U.S.C. § 1051(d), respectively, or if filed, has not been deemed in conformance with 15 U.S.C. § 1051(a) or examined and accepted, respectively, by the United States Patent and Trademark Office provided that upon such filing and acceptance, such intent-to-use applications shall be included in the definition of Trademarks) and (ii) the goodwill of the business connected with the use of, and symbolized by, each of the above (collectively, the “Trademarks”);

(e) all written agreements naming any Grantor as licensor or licensee providing for the granting by or to any Grantor of any right in or to any Trademark (“Trademark Licenses”), to the extent such Grantor is not the granting party, including any of the foregoing identified in Schedule 2;

(f) (i) the right to sue or otherwise recover for any and all past, present and future Infringements and misappropriations of any of the property described in (d) and (e) above, and (ii) all income, royalties, damages and other payments now and hereafter due and/or payable with respect to any of the property described in (d) and (e) above (items described in clauses (d), (e) and (f), collectively, the “Trademark Collateral”);

(g) (i) all United States and foreign patents, patent applications and patentable inventions, including each issued patent and patent application identified in Schedule 3, all certificates of invention or similar property rights and all registrations, recordings and pending applications thereof, (ii) all inventions and improvements described and claimed therein and (iii) all reissues, divisions, reexaminations, continuations, continuations-in-part, substitutes, renewals, and extensions thereof, all improvements thereon (collectively, the “Patents”);

(h) all written agreements naming any Grantor as licensor or licensee providing for the granting by or to any Grantor of any right in or to any Patent (“Patent Licenses”), to the extent such Grantor is not the granting party, including any of the foregoing identified in Schedule 3; and

(i) (i) the right to sue or otherwise recover for any and all past, present and future Infringements and misappropriations of any of the property described in (g) and (h) above, and (ii) all income, royalties, damages and other payments now and hereafter due and/or payable with respect to any of the property described in (g) and (h) above (items described in (f), (g) and (h), collectively, the “Patent Collateral”).

SECTION 2 Excluded Property. Notwithstanding anything to the contrary in this IP Security Agreement, none of the Excluded Property shall constitute IP Collateral.

SECTION 3 Recordation. Each Grantor authorizes and requests that the Register of Copyrights and Commissioner of Patents and Trademarks, as applicable, and any other applicable United States government officer record this IP Security Agreement.

SECTION 4 Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts (including by telecopy or other electronic transmission), each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 5 GOVERNING LAW. THIS IP SECURITY AGREEMENT AND ANY CLAIM, CONTROVERSY, DISPUTE OR CAUSE OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS IP SECURITY AGREEMENT AND THE TRANSACTIONS CONTEMPLATED HEREBY SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

SECTION 6 Conflict Provision. This IP Security Agreement has been entered into in conjunction with the provisions of the Loan Agreement. The rights and remedies of each party hereto with respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Loan Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this IP Security Agreement are in conflict with the Loan Agreement, the provisions of the Loan Agreement shall govern.

SECTION 7 Notice. Each party to this IP Security Agreement irrevocably consents to service of process in the manner provided for notices in Section 14.3.1 of the Loan Agreement. Nothing in this IP Security Agreement or any other Loan Document will affect the right of any party to this Agreement to serve process in any other manner permitted by law.

*[signature pages follow]*

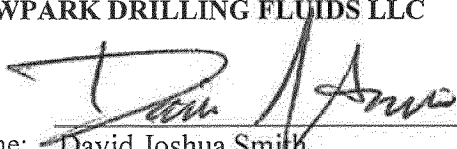
IN WITNESS WHEREOF, each of the undersigned has caused this IP Security Agreement to be duly executed and delivered as of the date first above written.

Signature Page to  
IP Security Agreement

**PATENT**  
**REEL: 068690 FRAME: 0443**

NEWPARK DRILLING FLUIDS LLC


By:



Name: David Joshua Smith

Title: Vice President and Secretary

BANK OF AMERICA, N.A.,  
as Agent

By:   
Name: Jason Grove  
Title: Vice President

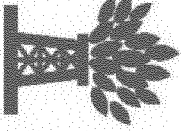


COPYRIGHTS

None.

TRADEMARKS

Schedule 2

Mark	Category	Proprietor	Country	Class(es)	Status	Filing Date	Registration Date	Renewal Date	App. No.	Reg. No.	File No.	Goods Description
	Device	Newpark Drilling Fluids LLC	United States	1 19 37 39 40 42	REGISTERED	30/08/2011	31/07/2012	31/07/2032	85/411071	4182176	224211.US.01	Class 1 Drilling fluid chemicals for use in well drilling.
												Class 19 Interlocking plastic mats for use as temporary roadways and load support surfaces for underlying terrain for use in well operations, military operations, construction operations, sporting events and entertainment events; interlocking plastic mats for use as cover for underlying terrain for the prevention of erosion and protection of environmentally sensitive ecosystems.
												Class 37 Providing well-site construction of structures used in the production and/or storage of oil and gas; construction of portable roads and access roads; rental of mats for use in operations relating to the production of gas and/or oil, military operations, construction operations, electrical utility repair, sporting events and entertainment events and as cover for underlying terrain for the

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												<p>prevention of erosion and protection of environmentally sensitive ecosystems; integrated site services; namely, drilling of wells, waste disposal services for exploration and production waste, non-hazardous industrial waste and naturally occurring radioactive materials; land reclamation; construction project management.</p> <p>Class 39</p> <p>Packaging of industrial minerals for others; distribution of industrial minerals for others.</p> <p>Class 40</p> <p>Services relating to managing exploration and production wastes, namely, waste management and providing technical information in the field of waste management; environmental remediation services, namely, treatment of waste, non-hazardous industrial waste and naturally occurring radioactive materials; industrial toxic waste disposal; oil, gas and geothermal well treatment services; consulting services in the field of oil and gas well treatment; custom chemical blending for oil, gas, water and assay mining for others; processing of industrial minerals for others.</p>

Mark	Category	Proprietor	Country	Class(es)	Status	Filing Date	Registration Date	Renewal Date	App. No.	Reg. No.	File No.	Goods Description
												Class 42 Technical innovation services, namely, providing consultation on the performance of products used in drilling and minerals used as fillers or extenders in paint, plastics, ceramics, oil service end use products, testing analysis of oil and gas wells; engineering solutions and support, namely, engineering for others engaged in the treatment of oil wells, gas wells, water wells, geothermal wells and assay mining.
BRINETIME	Word	Newpark Drilling Fluids LLC	United States	42	REGD-DEC USE	25/11/2020	05/07/2022	05/07/2027	90/342644	6783253	233237.US:01	Class 42 Monitoring of wellbore fluids for quality control purposes; analysis of data from wellsites, namely data about wellbore fluid circulation.
CYBERDRILL	Word	Newpark Drilling Fluids LLC	United States	1	REGISTERED	21/11/1997	18/01/2000	18/01/2030	75/394158	2309763	224184.US:01	Class 40 Chemical blending for oil well drilling fluids for others.

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DEEPPDRILL	Word	Newpark Drilling Fluids LLC	United States	1	REGISTERED	17/05/2012	17/09/2013	17/09/2023	85/628487	4404895	224185.US.01	Class 1 Drilling fluid chemicals to provide high penetration rates, lubricity, wellbore inhibition and production zone protection in oil, gas and water drilling and assay mining.
DEEPPDRILL	Word	Newpark Drilling Fluids LLC	United States	1	NEW US						224185.US.03	Class 40 Chemical blending for oil well drilling fluids for others.
DRILLLEASE	Word	Newpark Drilling Fluids LLC	United States	1	REGD-DEC USE	25/03/2019	01/10/2019	01/10/2024	88/354873	5873222	224186.US.01	Class 1 Additive fluid chemicals used in oil and gas drilling operations to enhance the stability, rheology, flocculation, clay inhibition and shale inhibition of the drilling fluid, and for reducing torque, reducing drag, enhancing the penetration rate and the life of the drilling bit used in the oil and gas drilling operation.
EvoCon	Word	Newpark Drilling Fluids, LLC	United States	1	REGISTERED	15/07/2010	26/07/2011	26/07/2031	85/085062	4003788	224189.US.01	Class 1 Drilling fluid chemicals for use in oil, gas, water and assay mining well drilling.

Mark	Category	Proprietor	Country	Class(es)	Status	Filing Date	Registration Date	Renewal Date	App. No.	Reg. No.	File No.	Goods Description
Evolve	Word	Newpark Drilling Fluids, LLC	United States	1	REGISTERED	15/07/2010	26/07/2011	26/07/2031	85/085053	4003787	224190.US.01	Class 1 Drilling fluid chemicals for use in oil, gas, water and assay mining well drilling.
EVOLUTION	Word	Newpark Drilling Fluids, LLC	United States	40	REGISTERED	17/05/2010	28/02/2012	28/02/2032	85/040787	4106223	224191.US.02	Class 40 Custom chemical blending for oil, gas, water and assay mining well drilling fluids for others.
EvMod	Word	Newpark Drilling Fluids, LLC	United States	1	REGISTERED	15/07/2010	09/08/2011	09/08/2031	85/085058	4010405	224192.US.01	Class 1 Drilling fluid chemicals for use in oil, gas, water and assay mining well drilling.
EVOTROL	Word	Newpark Drilling Fluids LLC	United States	1	REGISTERED	28/10/2013	13/09/2016	13/09/2026	86/102916	5041492	224193.US.01	Class 1 Chemical additives, namely, fluid chemicals for use in oil, gas and water drilling and assay mining.

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Evovis	Word	Newpark Drilling Fluids, LLC	United States	1	REGISTERED	15/07/2010	26/07/2011	26/07/2031	85/085047	4003786	224194.US.01	Class 1 Drilling fluid chemicals for use in oil, gas, water and assay mining well drilling.
NEW 100 N	Words	Newpark Drilling Fluids LLC	United States	1	REGISTERED	04/03/1998	09/01/2001	09/01/2031	75/444628	2419537	224206.US.01	Class 1 Chemicals used in the oil well drilling industry.
NEW EASE	Word	Newpark Drilling Fluids LLC	United States	1	REGISTERED	19/11/2002	26/07/2005	26/07/2025	78/186416	2978391	224207.US.01	Class 1 Drilling fluid chemicals for use in oil well drilling.
NEW PARK	Word	Newpark Drilling Fluids LLC	United States	1 19 37 42	REGD-RENEWALS ONLY	16/08/2019	28/07/2020	28/07/2025	88/581957	6111451	224208.US.01	Class 1 Chemical drilling fluids for use in subterranean wells, namely, drilling muds, completion fluids, workover fluids and wellbore fluids; chemical additives for oil drilling fluids; drilling muds and chemical drilling fluids for use in oil well drilling.

Mark	Category	Proprietor	Country	Class(es)	Status	Filing Date	Registration Date	Renewal Date	App. No.	Reg. No.	File No.	Goods Description
												Class 19 Mats for use as temporary roadways and load support surfaces for underlying terrain.
												Class 37 Construction of temporary roads and access roads; rental of mats for use in operations relating to the production of gas and/or oil, military operations, construction operations, electrical utility repair, sporting events and entertainment services; and; integrated site services, namely, drilling of wells, waste disposal services for exploration and production waste, non-hazardous industrial waste and naturally occurring radioactive materials; land reclamation; construction project management.
												Class 42 Engineering services in connection with subterranean wellbore fluids, environmental planning, analysis of data from well sites, namely, data about well fluid design, well drill cuttings, well formation stability, well borehole stability and well fluid circulation, and technical engineering advice on the use of products for drilling and extracting hydrocarbons from subterranean wells.



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NEWPARK FLUIDS SYSTEMS	Words	Newpark Drilling Fluids LLC	United States	1 42	REGD-DEC USE	21/10/2019	29/03/2022	29/03/2027	88/662015	6687362	224209.US.01	Class 1 Chemical drilling fluids for use in subterranean wells, namely, drilling muds, completion fluids, workover fluids and wellbore fluids; chemical additives for oil drilling fluids; drilling muds and chemical drilling fluids for use in oil well drilling.
												Class 42 Engineering services in the field of oil and gas, namely, developing subterranean wellbore fluids, environmental planning, analysis of data from well sites in the nature of well fluid design, well drill cuttings, well formation stability, well borehole stability and well fluid circulation, and technical engineering advice on the use of products for drilling and extracting hydrocarbons from subterranean wells.
OPTIVERT	Word	Newpark Drilling Fluids LLC	United States	1	REGISTERED	04/11/2013	19/07/2016	19/07/2026	86/109892	5003747	224210.US.01	Class 1 Chemical additives, namely, chemicals for use in oil, gas and water drilling and assay mining.

Mark	Category	Proprietor	Country	Class(es)	Status	Filing Date	Registration Date	Renewal Date	App. No.	Reg. No.	File No.	Goods Description

PATENTS

Schedule 3

Patents:

Family No.	Dkt. No.	Priority Date	Filing Date	Title	Patent No.	Application No.	Status	Expiration Date	Country	Owner
00101	00101-US	11-Apr-03	7-Apr-04	Silicate Drilling Fluid and Method of Drilling a Well Therewith	7,137,459	10/819,844	Granted	13-Apr-25	USA	Newpark Drilling Fluids LLC
03600	03600-US	21-Dec-10	21-Dec-10	Water-Based Drilling Fluids Containing Crosslinked Polyacrylic Acid	8,623,790	12/974,764	Granted	11-Jan-32	USA	Newpark Drilling Fluids LLC
03600	03600-US-DIV	21-Dec-10	3-Jan-14	Water-Based Drilling Fluids Containing Crosslinked Polyacrylic Acid	9,803,129	14/146,781	Granted	1-Nov-31	USA	Newpark Drilling Fluids LLC
10000	10000-US	21-May-18	28-Apr-19	System for simulating in situ downhole drilling conditions and testing of core samples	10,845,354	16/367,970	Granted	21-May-38	USA	Newpark Drilling Fluids LLC
1001	05901WOUS	21-Oct-20	17-Apr-23	Control of Lost Circulation Through a Thermally Activated Metallic Additive		18/032,217	Pending		USA	Newpark Drilling Fluids LLC & Board of Regents, The University of Texas System
1003	5802	14-Jan-20	13-Jan-21	Probe Arrays for Monitoring Wellbore Fluid Composition and Methods of Using the Same	11,530,580	17/148,306	Granted	20-Feb-41	USA	Newpark Drilling Fluids LLC
1004	6200		18-Dec-23	Septoile Containing Drilling Fluid Compositions and Methods of Using the Same		63/611,356	Pending	14-Jun-43	USA	Newpark Drilling Fluids LLC & GeoX Energy Inc.

SA91098	ASC0767	31-Aug-23	25-Aug-23	Eutectic Metal Alloy-Containing Cement and Methods of Use Thereof		18/459,139	Pending	31-Aug-43	USA	Newpark Drilling Fluids, LLC and Aramco Services Company
SA7321	ASC0778	TBD	10-Feb-23	Mitigating Lost Circulation		18/167,550	Pending		USA	Newpark Drilling Fluids LLC and Aramco Services Company
SA91096	ASC0765	TBD	29-Mar-24	Use of Mineral Insulated Heaters to Apply Eutectic Metals to Remediate Lost Circulation		18/621,788	Pending		USA	Newpark Drilling Fluids and Aramco Services Company
			16-Nov-22	FLOAT ANGLE PROBES FOR MONITORING WELLBORE FLUID COMPOSITION AND METHODS OF USING THE SAME		18/056,209	Pending		USA	Newpark Drilling Fluids LLC
			25-Aug-2023	Eutectic Metal Alloy in Drilling Fluids and Methods of Use Thereof		18/456,461	Pending		USA	Newpark Drilling Fluids, LLC and Aramco Services Company