503572047 11/17/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3618674

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		SECURITY INTEREST	SECURITY INTEREST		
CONVEYING PARTY	DATA				
		Name	Execution Date		
HORIZONTAL WELL	DRILLERS, L	LC	08/14/2014		
RECEIVING PARTY D	ΔΤΑ				
Name:	CALLIDU	S CAPITAL CORPORATION			
Street Address:	P.O. BOX	212	12		
City:	TORONT	0			
State/Country:	ONTARIC)			
Postal Code:	M5K1K2				
PROPERTY NUMBER Property Typ		Number			
		85239			
		93825			
		84336			
CORRESPONDENCE	DATA				
Fax Number:	•	15)256-8386			
		he e-mail address first; if that i if that is unsuccessful, it will b	s unsuccessful, it will be sent e sent via US Mail.		
Phone:	•	5-620-1705			
Email:	cfe	erguson@dickinsonwright.com			
		DLIN T FERGUSON			
Address Line 1: 424 C		4 CHURCH ST			
		JITE 1401			
Address Line 4:	NA	ASHVILLE, TENNESSEE 37219			
ATTORNEY DOCKET NUMBER:		57558-7			
NAME OF SUBMITTER:		WILLIAM J HURLES	WILLIAM J HURLES		
SIGNATURE:		/William J Hurles/	/William J Hurles/		
DATE SIGNED:		11/17/2015			
Total Attachments: 3					
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NAME & PHONE OF CONTACT AT FILER (options)				
/anzalle Beck (405) 235-7764)				
E-MAIL CONTACT AT FILER (oplichel)				
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20 North Broadway, Suite 1800				
J Oklahoma City, OK 73102			R FILING OFFICE USE (MILY
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AUG 14 2014

COUNTY CLERK

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7. ALTERNATIVE DEBRONATION (I applicable):	BalterBuyer DatterBalter Ubertassellichter
A OFFICIAL ER EF REFERENCE DATA:	
Oklohoma County Cierk - Central Filing	mational Astronomical Administrators (IACA)

FILING OFFICE COPY --- UCC FINANCING STATEMENT (Form UCC1) (Rev. 04/20/11)

IDIE (IACA)

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EXHIBIT A TO FINANCING STATEMENT

Debtor:

Horizontal Well Drillers, LLC 2915 Highway 74 South Purcell, Oklahoma 73080 20140814020849620 Filing Fee: \$10.00

08/14/2014 12:12:38 PM

Secured Party: Callidus Capital Corporation Royal Trust Tower 77 King Street West, Suite 4320 P.O. Box 212 Toronto, ON M5K 1K2

Description of Collateral:

All Accounts, Contracts, Chattel Paper, Commercial Tort Claims, Copyrights, Deposit Accounts, Documents, Electronic Chattel Paper, Equipment (including, without limitation, all land-based drilling and work over rigs and all pumps, drilling equipment, drill pipe, machinery, equipment and parts necessary or useful for drilling operation of any such rig), Fixtures, General Intangibles, Goods, Incidental Rights, Instruments (including promissory notes), Inventory, Investment Property, Patents, Payment Intangibles, Plans, Pledged Deposits, including without limitation all cash on hand, Letter-of-Credit Rights, letters of credit, Supporting Obligations, Trademarks, all motor vehicles, trailers and other rolling stock, and all Other Collateral, (as such terms are defined in that certain Security Agreement and Assignment between Debtors and Secured Party dated as of August 14, 2014) wherever located or situated, of whatever type, item, nature or description, in which either of the Debtors now has or hereafter acquire any right, title or interest, including without limitation, all such assets now owned or hereafter acquired and all Proceeds, including without limitation; all insurance proceeds and all products thereof.

WCDFS01\home\bryantg\GAB\Callidus Capita\Horizontal Well Drillera\UCC-1 Collateral Description (insert - Horizontal Well)-3.doc

PATENT REEL: 037055 FRAME: 0190

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	Ca	unty of Oklahoma	
UCC FINANCING STATEMENT AMENDMENT		lahoma County Clerk rolynn Caudill	
FOLLOW INSTRUCTIONS	20 <i>1</i>	51113021161710	
A. NAME & PHONE OF CONTACT AT FILER [optional] Colin T. Ferguson (615) 620-1705	Fi	ling Fee: \$10.00	
B. E-MAIL CONTACT AT FILER (optional)		/13/2015 11:05:08 AM	
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C. SEND ACKNOWLEDGMENT TO: (Name and Address)			- All
Dickinson Wright PLLC		~	
424 Church Street, Suite 1401			
Nashville, Tennessee 37219			
1a. INITIAL FINANCING STATEMENT FILE NUMBER	Contraction and the second	SPACE IS FOR FILING OFFICE ATEMENT AMENDMENT is to be file	
20140814020849620	in the REAL ESTATE	RECORDS. dum (Form UCC3Ad) and provide De	
2. TERMINATION: Effectiveness of the Financing Statement identified above is terminate		and the second	
3. ASSIGNMENT (full or partial): Provide name of Assignee in item 7a or 7b and addre For partial essignment, complete items 7 and 9 and also indicate affi	ass of Assicnee in item 7c and name of As		
4. CONTINUATION: Effectiveness of the Financing Statement Identified above with re		arty authorizing this Continuation Stat	ement is continued for the
additional period provided by applicable law, 5. PARTY INFORMATION CHANGE:			
Check one of the these two boxes: AND Check one of the and/or address	ese two boxes to: CHANGE		
This Channel Martin Database 1 10 and 10 a second base 1	n 7a or 7b and item 7c	, and item 7c be deleted i	me: Give record name to hitem 6a or 6b. ord in the Debtor's name)
δø, ORGANIZATION'S NAME OR			
	ST PERSONAL NAME	ADDIT/ONAL NAME(S)/INITIAL(S) SUFFIX	
 CHANGED OR ADDED INFORMATION:Complete for Assignment or Party Information Chan Debtor's name) 	ge - provide only one name(7a or 7b)(use	exact,full name;do not om/t,modify, or	abbraviate any word of the
OR 79. ORGANIZATION'S NAME			
75. INDIVIDUAL'S SURNAME			······································
FIRST PERSONAL NAME			
ADDITIONAL NAME(S)/(NITIAL(S) That are part of the name of this Debtor			SUFFIX
7c. MAILING ADDRESS		STATE POSTAL CODE	COUNTRY
 COLLATERAL CHANGE: Also check one of these four boxes: ADD col Indicate collateral; 	llateral OELETE collateral	RESTATE covered collateral	ASSIGN collateral
All patents, including but not limited to U.S. Patent No. 8,985,239 having U.S. Pater	nt Application Serial No. 13/374,802 and	l filed on January 14, 2012, U.S. Pat	ent No. 8,893,825
having U.S. Patent Application Serial No. 13/374,801 and filed on January 14, 2012, January 14, 2012 and all divisions, continuations, continuations in part, re issues,	, and U.S. Patent No. 8.684.336 having l	J.S. Patent Application Serial No. 13	/374,799 and filed on
9. NAME OF SECURED PARTY OF RECORD AUTHORIZING THIS AMENDMEN If this is an Amendment authorized by a DEBTOR, check here and pro	T: Provide only one name (9a or 9b) ovide name of authorizing DEBTOR	(name of Assignor,if this is an A	ssignment)
9a. ORGANIZATION'S NAME			
OR Callidus Capital Corporation 90. INDIVIDUAL'S SURNAME	T PERSONAL NAME	ADDITIONAL NAME(S)/INITIAL(S)	SUEEIM
FINS		ADDITIONAL NAME(S)/INTRAL(S)	SUFFIX
10. OPTIONAL FILER REFERENCE DATA			
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PATENT REEL: 037055 FRAME: 0191

RECORDED: 11/17/2015