

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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BAKER HUGHES INCORPORATED and  
BAKER HUGHES OILFIELD OPERATIONS, INC.,  
Petitioners

v.

PACKERS PLUS ENERGY SERVICES INC.,  
Patent Owner

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Case IPR2016-00598  
Patent 7,861,774

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**EXCLUSIVE LICENSEE RAPID COMPLETIONS LLC'S  
UPDATED EXHIBIT LIST (AS SERVED ON OPPOSING COUNSEL)**

<b>Exhibit List</b>	
<b>Exhibit</b>	<b>Description</b>
<b>2001</b>	A. Casero, <i>Open Hole Multi-Stage Completion System in Unconventional Plays: Efficiency, Effectiveness and Economics</i> , SPE 164009 (2013)
<b>2002</b>	<i>Encyclopedia of Hydrocarbons</i> , Chapter 3.1: Upstream technologies
<b>2003</b>	D. Lohoefer, <i>Comparative Study of Cemented versus Uncemented Multi-Stage Fractured Wells in the Barnett Shale</i> , SPE 135386, Society of Petroleum Engineers (2010)
<b>2004</b>	R. Seale <i>et al.</i> , <i>Effective Stimulation of Horizontal Wells—A New Completion Method</i> , SPE 106357, Society of Petroleum Engineers (2006)
<b>2005</b>	Exploration and Development, Alberta Oil Magazine
<b>2006</b>	<i>Leading the Way: Multistage fracking pioneer Packers Plus plays major role in cracking the tight oil code</i> , Canadian OilPatch Technology Guidebook (2012)
<b>2007</b>	Financial Post, “ <i>Entrepreneur of the Year: National Winner</i> ”
<b>2008</b>	<i>Innovation—Groundbreaking Innovation in Calgary</i> , Calgary Herald (Feb. 12, 1014)
<b>2009</b>	J. Chury, <i>Packers Plus Technology Becoming the Industry Standard</i> , The Oil Patch Report (Dec. 2010/Jan. 2011)
<b>2010</b>	P. Roche, <i>Open-Hole or Cased and Cemented</i> , New Technology Magazine (Nov. 2011)
<b>2011</b>	R. Ghiselin, Qittitut Consulting, <i>Sleeves vs. Shots—The Debate Rages</i> (Aug. 2011)
<b>2012</b>	Van Dyke, Kate, “ <i>Fundamentals of Petroleum</i> ,” Fourth Ed. (1997)
<b>2013</b>	“Proven Performance: Read how Packers Plus systems and solutions have delivered results around the world,” Packers Plus Energy Services Inc., accessed May 24, 2016, <a href="http://packersplus.com/proven-performance/?type=case-study&amp;system=stackfrac-hd-system&amp;pag=3%20#p3">http://packersplus.com/proven-performance/?type=case-study&amp;system=stackfrac-hd-system&amp;pag=3%20#p3</a>
<b>2014</b>	reserved
<b>2015</b>	reserved
<b>2016</b>	Ali Daneshy Deposition Transcript (11/9/2016)
<b>2017</b>	Packers Plus advertising brochure (2010)

<b>2018</b>	Baker Hughes, “FracPoint Completion System Isolated Openhole Horizontal Well in Lower Huron Shale” (2011)
<b>2019</b>	Baker Hughes, “Enhancing Well Performance Through Innovative Completion Technologies,” presentation, (Sept. 10-12, 2012)
<b>2020</b>	Canadian Society for Unconventional Resources, Press Release, “Unconventional Industry Awards Innovative Thinking” (Oct. 3, 2012)
<b>2021</b>	BH00364675, CONFIDENTIAL Ball activated sliding sleeves report
<b>2022</b>	Rigzone, Schlumberger Acquires Stake in Packers Plus (Nov. 22, 2005)
<b>2023</b>	Britt, L. and Smith, M., <i>Horizontal Well Completion, Stimulation Optimization, and Risk Mitigation</i> , SPE 125526 (2009)
<b>2024</b>	BH00363808, CONFIDENTIAL Baker Hughes Engineering Materials
<b>2025</b>	RC_PAC00019434, CONFIDENTIAL Packers Plus Engineering Drawing
<b>2026</b>	Baker Hughes 2008 10-K Shareholder Report
<b>2027</b>	Baker Hughes 2010 10-K Shareholder Report
<b>2028</b>	Baker Hughes 2013 10-K Shareholder Report
<b>2029</b>	Packers Plus case study, StackFRAC system provides superior production economics
<b>2030</b>	Packers Plus Case Study, StackFRAC HD system enables high stimulation rates
<b>2031</b>	Packers Plus StackFRAC Video, <a href="http://packersplus.com/solution/stackfrac-hd-system/">http://packersplus.com/solution/stackfrac-hd-system/</a>
<b>2032</b>	Baker Hughes FracPoint Video, <a href="https://www.youtube.com/watch?v=s5ZQCRRZzXE">https://www.youtube.com/watch?v=s5ZQCRRZzXE</a>
<b>2033</b>	Business News Network Packers Plus Feature
<b>2034</b>	UN-REDACTED H. McGowen Declaration
<b>2035</b>	UN-REDACTED J. J. Girardi Declaration
<b>2036</b>	REDACTED H. McGowen Declaration
<b>2037</b>	REDACTED J. J. Girardi Declaration
<b>2038</b>	Ingersoll, C, “BP and the Deepwater Horizon Disaster of 2010” (Apr. 3, 2012)

<b>2039</b>	Crosby, D.G., “Methodology to Predict the Initiation of Multiple Transverse Fractures from Horizontal Wellbores” (2001)
<b>2040</b>	Kaiser, P., “Hydraulic Fracturing Mine Back Trials – Design Rationale and Project Status” (2013)
<b>2041</b>	Stoltz, L.R., “Probabilistic Reserves Assessment Using A Filtered Monte Carlo Method In a Fractured Limestone Reservoir” SPE 39714 (1998)
<b>2042</b>	Emanuele, M. A., “A Case History: Completion and Stimulation of Horizontal Wells with Multiple Transverse Hydraulic Fractures in the Lost Hills Diatomite” SPE 39941 (1998)
<b>2043</b>	Gaynor, Tom M., “Tortuosity Versus Micro-Tortuosity – Why Little Things Mean a Lot” SPE/IADC 67818 (2001)
<b>2044</b>	Cramer, David, “Stimulating Unconventional Reservoirs: Lessons Learned, Successful Practices, Areas for Improvement” SPE 114172 (2008)
<b>2045</b>	M. Delaney Declaration
<b>2046</b>	Tess MacLeod Declaration (served but not filed)
<b>2047</b>	Ahmadzamri, A.F., “Development and Testing of Advanced Wireline Conveyance Technology for Rugose Open Hole Conditions” IPTC 17442 (2014) (served but not filed)
<b>2048</b>	Calixto, Eduardo, “Gas and Oil Reliability Engineering, Modeling and Analysis” 2nd Edition (2016) (served but not filed)
<b>2049</b>	Cramer, D.D., “The Application of Limited-Entry Techniques in Massive Hydraulic Fracturing Treatments” SPE 16189 (1987) (served but not filed)
<b>2050</b>	Lloyd, B., “Rotary steerable drilling improves deployment of advanced completion” World Oil, January 2011 (served but not filed)
<b>2051</b>	McGowen Access Database (served but not filed)
<b>2052</b>	Scott Sanchez Deposition Transcript Excerpts (7/29/16) (served but not filed)

Dated: December 22, 2016

Respectfully submitted,

*Rapid Completions LLC*

By /Justin T. Nemunaitis/

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