

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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

v.

PACKERS PLUS ENERGY SERVICES, INC.  
Patent Owner

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Case IPR2016-00596  
Patent 7,134,505

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**PETITIONERS' REPLY**

**Petitioner's Exhibit List**

<b>Exhibit</b>	<b>Description</b>
1001	U.S. Patent No. 7,134,505 (the "'505 Patent")
1002	D.W. Thomson, <i>et al.</i> , <i>Design and Installation of a Cost-Effective Completion System for Horizontal Chalk Wells Where Multiple Zones Require Acid Stimulation</i> , SPE (Society for Petroleum Engineering) 37482 (1997) ("Thomson")
1003	U.S. Patent No. 5,449,039 ("Hartley")
1004	B. Ellsworth, <i>et al.</i> , <i>Production Control of Horizontal Wells in a Carbonate Reef Structure</i> , 1999 Canadian Institute of Mining, Metallurgy, and Petroleum Horizontal Well Conference ("Ellsworth")
1005	U.S. Patent No. 5,375,662 ("Echols")
1006	U.S. Patent 4,018,272 ("Brown")
1007	Declaration of Ali Daneshy, Ph.D. ("Daneshy1")
1008	KATE VAN DYKE, FUNDAMENTALS OF PETROLEUM ENGINEERING (4th ed. 1997)
1009	RON BAKER, A PRIMER OF OIL WELL DRILLING (5th ed. (revised) 1996)
1010	U.S. Patent No. 4,099,563 ("Hutchison")
1011	U.S. Patent No. 6,257,338 ("Kilgore")
1012	Excerpts of Prosecution History of U.S. Patent No. 7,861,774, a continuation of the '505 Patent
1013	Excerpts of Prosecution History of the '505 Patent
1014	U.S. Provisional Application No. 60/404,783
1015	Dictionary Definition from WEBSTER'S THIRD NEW INTERNATIONAL DICTIONARY OF THE ENGLISH LANGUAGE UNABRIDGED (1986)
1016	U.S. Patent No. 4,279,306
1017	K.W. Lagrone, <i>et al.</i> , <i>A New Development in Completion Methods</i> , SOCIETY OF PETROLEUM ENGINEERING, Paper 530-PA (1963) ("Lagrone")

<b>Exhibit</b>	<b>Description</b>
1018	M.J. Eberhard, <i>et al.</i> , <i>Current Use of Limited-Entry Hydraulic Fracturing in the Codell/Niobrara Formations—DJ Basin</i> , SPE (Society for Petroleum Engineering) 29553 (1995)
1019	Declaration of Christopher D. Hawkes, Ph.D., P.Geo., regarding the proceedings of the 7th One-Day Conference On Horizontal Well Technology Operational Excellence (Canada November 3, 1999) (including Ex. 1004 at 102-110)
1020	Affidavit of Nancy Chaffin Hunter regarding the proceedings of the 10th Middle East Oil Show & Conference (Bahrain March 15-18, 1997) (including Ex. 1002 at 12/26-23/26) – NOT FILED
1021	Declaration of Rebekah Stacha regarding SPE 37482 (including Ex. 1002 at Ex. A) – NOT FILED
1022	Declaration of Rebekah Stacha regarding SPE 49523 (referencing Ex. 1002 at p. 605, fn.28) – NOT FILED
1023	9/21/2016 Declaration of Christopher D. Hawkes, Ph.D., P.Geo., regarding the proceedings of the 7th One-Day Conference On Horizontal Well Technology Operational Excellence (Canada November 3, 1999) (including Ex. 1004 at 102/253-110/253 and 228/253-236/253) – NOT FILED
1024	Declaration of Rebekah Stacha regarding SPE 29553 (including Ex. 1018 at Ex. A) – NOT FILED
1025	Affidavit of Nancy Chaffin Hunter regarding the proceedings of the Joint Rocky Mountain Meeting/Low-Permeability Reservoirs Symposium and Exhibition (Denver, CO March 19-22, 1995) (including Ex. 1018 at 11/24-21/24) – NOT FILED
1026	Affidavit of Rodolfo Diaz regarding July 1963 Journal of Petroleum Technology (including Ex. 1017 at 695-702) – NOT FILED
1027	Table Associated with qrySumNetValuebyFamily from Ex. 2051 (contains PROTECTIVE ORDER MATERIAL)

<b>Exhibit</b>	<b>Description</b>
1028	Affidavit of Nancy Chaffin Hunter, regarding the proceedings of the Production Operation Symposium (Oklahoma City, OK April 2-4, 1995) (including R. Coon and D. Murray, <i>Single-Trip Completion Concept Replaces Multiple Packers and Sliding Sleeves in Selective Multi-Zone Production and Stimulation Operations</i> , SPE 29539 (1995)) (“Coon”)
1029	March 1, 2017 email from Justin Nemunaitis, confirming RE Packer revenue in Ex. 1027 was included in revenue figure reported at Ex. 2034 at 42:9.
1030	Transcript of February 28, 2017 Deposition Testimony of Harold R. McGowen III (“McGowen”)
1031	Second Declaration of Ali Daneshy, Ph.D. (“Daneshy2”)
1032	P.D. Ellis, <i>et al.</i> , <i>Application of Hydraulic Fractures in Openhole Horizontal Wells</i> , SPE/Petroleum Society of CIM 65464 (2000) (“Ellis”)
1033	M.J. Rees, <i>et al.</i> , <i>Successful Hydrajet Acid Squeeze and Multifracture Acid Treatments in Horizontal Open Holes Using Dynamic Diversion Process and Downhole Mixing</i> , SPE 71692 (Sep. 30, 2001) (citing Ex. 1032 at fn. 1)

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