

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

BAKER HUGHES, A GE COMPANY, LLC
and
BAKER HUGHES OILFIELD OPERATIONS LLC
Petitioners

v.

PACKERS PLUS ENERGY SERVICES, INC.
Patent Owner

Case IPR2016-01496
Patent 7,134,505

PETITIONERS' REPLY

Petitioners' Exhibit List

Exhibit	Description
1001	U.S. Patent No. 7,134,505 (the "'505 Patent")
1002	Affidavit of Margaret Kieckhefer, of the Library of Congress, regarding excerpts from COMPOSITE CATALOG OF OIL FIELD AND PIPE LINE EQUIPMENT, Vol. 2 (21st ed. World Oil 1955) ("Lane-Wells")
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
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)
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)

Exhibit	Description
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 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”)
1021	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”)
1022	Howard, G. C. & Fast, C. R., HYDRAULIC FRACTURING (AIMMPE 1970)
1023	Hyne, Norman J., Dictionary of Petroleum Exploration, Drilling, & Production (1991)
1124 ¹	Affidavit of Velma J’Nette Davis-Nichols, regarding Lane-Wells (see Ex. 1002) (including Lane-Wells at Appendix A)
1125	Affidavit of Debbie Caples, regarding Ex. 1008 and Ex. 1009 (including Ex. 1008 at Appendix B and Ex. 1009 at Appendix D) – NOT FILED
1126	Affidavit of Rodolfo Diaz, regarding Ex. 1017 (including Ex. 1017 at Appendix A and related materials at Appendix B) – NOT FILED
1127	Declaration of Rebekah Stacha, regarding Ex. 1018 (including Ex. 1018 at Exhibit A) – NOT FILED
1128	Affidavit of Troy Price, regarding Ex. 1022 (including Ex. 1022 at Appendix A) – NOT FILED
1129	Affidavit of Troy Price, regarding Ex. 1023 (including Ex. 1023 at Appendix A) – NOT FILED
1130	Table Associated with qrySumNetValuebyFamily from Ex. 2051 (contains PROTECTIVE ORDER MATERIAL)

¹ Exs. 1024 *et seq.* have been renumbered 1124 *et seq.* for clarity, given joinder.

Exhibit	Description
1131	March 1, 2017 email from Justin Nemunaitis, confirming RE Packer revenue in Ex. 1130 was included in revenue figure reported at Ex. 2050 at 42:9.
1132	UNREDACTED Transcript of July 27, 2017 Deposition Testimony of Harold R. McGowen III (“McGowen2”) (contains PROTECTIVE ORDER MATERIAL)
1133	REDACTED Transcript of July 27, 2017 Deposition Testimony of Harold R. McGowen III (“McGowen2”)
1134	Transcript of February 28, 2017 Deposition Testimony of Harold R. McGowen III (“McGowen1”)

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