

## JOHN W. ELY

Mr. Ely started his career with Halliburton Co., in 1965, working as a technician for the Analytical group while completing his college work. He graduated from Oklahoma State University in 1968 with a Bachelor's in chemistry. On returning to Halliburton, Mr. Ely served as chemist and senior chemist in fracturing research before transferring to International Operations in 1973. While in fracturing research, he was instrumental in the development of the first high temperature fracturing fluids. He also developed nonaqueous energized systems.

In 1973 he transferred to his first assignment overseas was in south Iran as a district engineer. In 1975, he was promoted to technical adviser, Eastern Hemisphere, and transferred to Bahrain. He traveled and worked in eleven Mideast countries in this position. In 1976, John transferred to Dubai, U.A.E. The following year, he was promoted to technical adviser, International Operations, and was based in Duncan, Oklahoma where his primary duty was to coordinate all phases of research with international field operations. Ely joined Newsco Services in 1980 as Engineering Manager. His responsibilities included overseeing chemical and mechanical research and coordinating training for field engineers.

In 1985, John joined S.A. Holditch and Associates as Vice-President of Stimulation Technology. In addition to designing and supervising hundreds of stimulation treatments, he was involved in research on fracturing fluids under the auspices of the Gas Research Institute.

Additionally, he served as an expert witness in areas involving completion and stimulation of oil and gas wells.

In May 1991, John with three partners founded Ely & Associates Corp. This company provides a blend of practical and technical expertise on well completion, stimulation fluids and equipment, and reservoir analysis. John holds several patents and has numerous publications, including the first and second edition of books titled "Stimulation Treatment Handbook/ An Engineer's Guide to Quality Control". He is also a contributing author to the 1989 and 2020 issue of the S.P.E. monograph on hydraulic fracturing (Recent Advances in Hydraulic Fracturing), writing chapters on hydraulic fracturing fluids. Presently John is writing the third edition of his book this time titled "Frac without a K" which updates the previous versions and goes into depth about slick water fracs. He has also published a chapter in the "Modern Fracturing" publication by BJ Services. Mr. Ely typically teaches hydraulic fracturing 3-5 times a year under the fracsschool.org group. Ely and Associates has become known as the premier fracture design and oversight organization in the industry. Particularly in the last 15 years John has become recognized as the leading expert in the design and implementation of the water fracs. Ely has designed literally thousands of water fracs using technology learned while exploiting both source rock reservoirs and tight conventional rock. His "Waterfrac Sweep" process has been successful in shale, tight sands, and fractured carbonates. Ely and Associates presently is involved in more than 5000 wells per year throughout the world. Mr. Ely is a member of the American Chemical Society, The Society of Petroleum Engineers, and is a fellow of the American Institute of Chemistry. He was the recipient of the prestigious John Franklin Carll award for excellence in petroleum engineering for 2020. In 2021, he was awarded the Legend of Hydraulic Fracturing award at the SPE Hydraulic Fracturing Conference.

**JOHN W. ELY  
PRESIDENT**

AREA OF SPECIALIZATION:

- . Fracturing and acidizing fluid selection
- . Fracture treatment design, evaluation, and optimization
- . Field quality control on all types of stimulation treatments
- . Well control where directional drilling is required
- . Well completions
- . Workovers
- . Expert witness
- . Industry schools on Hydraulic Fracturing and Quality Control
- . Preparation of chemical product lines for hydraulic fracturing.

PROFESSIONAL EXPERIENCE:

JOHN W. ELY & ASSOCIATES, INC.  
PRESIDENT  
May 1991 - Present

John has more than forty-five years' experience in both research, development, and field use of acidizing and fracturing fluids. He has worldwide experience in fracturing and acidizing stimulation, completion, and well control operations. His knowledge of equipment and tools utilized in completion techniques combined with the reservoir and petroleum engineering experience of his partners makes for a unique blend of capabilities to oil field industry.

S.A. HOLDITCH & ASSOCIATES, INC.  
VICE PRESIDENT  
STIMULATION TECHNOLOGY  
September 1985 - May 1991

Joined S.A. Holditch & Associates, Inc. to provide technical expertise on fracturing and acidizing fluids. Worked with both domestic and international clients. Was involved (1986) in the control of an offshore blowout using state-of-the-art of technology. Helped design, oversee, and assure quality control for hundreds of fracture simulation treatments. Served as an expert witness on numerous oil field cases and taught numerous in-house and open fracturing and quality control schools. John was involved in numerous Gas Research projects involving tight sands and development of state-of-the-art modeling and frac systems.

NOWSCO SERVICES  
ENGINEERING MANAGER  
1980-1985

Responsibilities included the creation of research and development for NowSCO Services and formulation of a chemical product line. Also supervised mechanical research and oversaw all engineering training in the company. My function was multi-faceted in that I was involved in all phases of research and spent a lot of time in field operations assuring quality work was accomplished.

HALLIBURTON SERVICES  
TECHNICAL ADVISOR  
1965-1980

Worked as a technician for the Analytical Group while completing college work. After graduation, served as chemist and senior chemist in fracturing research before transfer to International Operations in 1973. While in fracturing research, was instrumental in the development of several fracturing fluids, including high-temperature systems and nonaqueous energized system. Developed polymer technology for control of blowouts and developed expertise in dynamic kill and operation and supervision of directional kill operation. First assignment overseas was in south Iran as district engineer. In 1975 was promoted to technical adviser, Eastern Hemisphere, and transferred to Bahrain. Traveled and worked in eleven Mideast countries in this position. In 1976 was transferred to Dubai, U.A.E. The following year was promoted to technical adviser, International Operations and was based in Duncan, Oklahoma where primary duty was to coordinate all phases of research with international field operations.

EDUCATION:

Oklahoma State University - B.A. Chemistry (1968)

PROFESSIONAL AFFILIATIONS:

Chairman Northside Section SPE - 1983-84, 1984-85

Director of Gulf Coast Section SPE - 1985

Annual Technical Conference and Exhibition Program Committee 1987-89

SPE National Paper Selection Committees 1985 – 88, 1991, 1994

**PUBLICATIONS AND PATENTS:**

“Frac Without A K”	Ely, John W.		Jan 2022
“Method for Plugging a Wellbore Allowing for Efficient Re-Stimulation”	Ely, John W.	US Patent pending	July 7, 2020
“Method for Preventing Influx of Fluid During Fracturing of an Offset Well”	Ely, John W.	US Patent 10,704,356	Feb 5, 2019
“Nine Plus Years of Production Show Value of Proper Design in Oil Window of Barnett Shale	Ely, John W., Harper, Jon, Nieto, Esteban; Kousparis, Dimitrios, Kousparis, Andrew; Crumrine, Curt	SPE HFTCE 2019	Feb 5, 2019
“CounterProp: Finally Adding the Correct Proppant in the Proper Size and Proper Sequence in Slick Water Treatments”	Ely, John W., Harper, Jon, Nieto, Esteban; Semmlbeck, Mark	SPE HFTCE 2019	April 2019
“Chapter 7 – Fracturing Fluids and Additives”	Ely, John W.; Herndon, Raymond A., Ely and Associates Corp	SPE	Mar 5, 2019
“Offshore Methods of Hydraulically Fracturing and Recovering Hydrocarbons”	Ely, John W	US Patent 10,221,660	Aug 21, 2018
“High Power Laser Hydraulic Fracturing, Simulation, Tools Systems and Methods”	Ely, John W	US Patent 10,053,967	Nov 28, 2017
“Methods of Hydraulically Fracturing and Recovering Hydrocarbons”	Timothy Moeller, Timothy, Sherwood, Walter, Land, Mark, Ely, John, Dyk, Thomas, Hopkins, Andrew	U.S. Patent 9,828,542	Sep 26, 2017
“Microbiome Based Systems, Apparatus and Methods for the Exploration and Production of Hydrocarbons”	Knight, Rob, Kshatriya, Ajay, Ely, John, Henshaw, Paul, Caporaso, J. Gregory, Knights, Dan, Gill, Ryan	U.S. Patent 9,771,795	

<b>“Method for Re-Stimulating Wells with Hydraulic Fractures”</b>	Ely, John W.	U.S. Patent 9,71,784	Sep 26, 2017
<b>“Eleven Years of Evaluation and Intense Study Yields on Tremendous Success Stories”</b>	Ely, John W.	King Abdulla University, Jeddah Saudi Arabia	Sept 2014
<b>“Slick Water Fracturing &amp; Small Proppants”, The Future of Stimulation or a Slippery Slope</b>	Ely, John W., Fowler, Stephen, Aro, Dustin, Tiner, Robert, Sicard, George	SPE Meeting Amsterdam	Oct 2014
<b>“Evaluation of the Mental Picture of Shale Reservoir Completion”</b>	Ely, John W. – Ely and Associates Piotr Kenar – Orlen Upstream	Orlen Upstream, Warsaw, Poland	May 2014
<b>High Strength Low Density Synthetic Proppants For Hydraulically Fracturing and Recovering Hydrocarbons</b>	Ely, John, Dyk, Thomas, Hopkins, Andrew, Land, Mark, Moeller, Timothy, Sherwood, Walter	Melior Innovations, Inc. Patent No.: US2014045494	Feb. 2014
<b><u>PUBLICATIONS AND PATENTS:</u> -</b>			
Cont'd.			
<b>Polymeric Siloxane Derived Ceramic Proppants, Fracturing Fluids and Method of Hydraulically Fracturing</b>	Ely, John, Land, Mark, Sherwood, Walter	Melior Innovations, Inc.	May 2013
<b>“Fracturing Technology”</b>	Ely, John W.	Web Seminar – Gerson Lehman Group	2013
<b>“Water Frac Theory &amp; Designs”</b>	Ely, John W.	Presented at meeting with Burnett Oil Company	2013
<b>“Assessment of Baker Hughes Inc. Field Instrumentation and Information Management”</b>	Ely, John W.	Presented at TEDC Conference, User Interface Design Symposium	July 22, 2013
<b>“Slick Water Fracturing Is Best Way To Go”</b>	Ely, John W.	Presented at the Hart Energy DUG Permian 2013 Conference in Ft. Worth	Apr 4, 2013
<b>“I’ve Actually Been On A Frac Job”</b>	Ely, John W.	AIHA Workshop Miami	2013
<b>“Reservoir Strategies, What is Driving Results”</b>	Ely, John W.	Anadarko Basin Oil& Gas Company, Houston TX	Jan 2013

<b>‘Overview of Proppant Agents Used in Hydraulic Fracturing’</b>	Ely, John W.	Web Seminar – Gerson Lehman Group Session	Jan 2012
<b>Hydraulic Fracturing, “Back To The Future”</b>	Ely, John W.	FracTur Conference Dallas	2012
<b>“The Export of North American Technology”</b>	Ely, John W.	DUG Conference, Ft. Worth, TX (Later published in DUG Magazine)	2012
<b>“Misconceptions &amp; Myths About Hydraulic Fracturing”</b>	Ely, John W.	Petroleum ETC, Washington, DC	2012
<b>“Gas Land Debunked”</b>	Ely, John W.	Fracturing Conference, Washington, DC	2012
<b>“Best Practices Study Shows That Natural Proppants Inducer Higher Production”</b>	Nyguen, Anthony	Texas A&M Student Paper Content	2011

**PUBLICATIONS AND PATENTS: -**

Cont’d.

<b>“Game Changing Technology for Testing and Recycling Frac Water”</b>	Ely, John W., Ely and Associates; Horn, Aaron, SPE, Hydrozonix; Cathey, Robbie, Ecosphere Energy Services; Fraim, Michael, SPE, Texas A & M University; Jakhete, Sanjeev, SPE, Consultant	SPE – 145454-PP Presented at the Annual Technical Conference and Exhibition Denver, CO	Oct 30 – Nov 2, 2011
<b>“Utilization of Simple Fluids and Proppant Combined with Design Optimization Yields Outstanding Results in New Mexico Yeso-San Andres Oil Play”</b>	Ely, John W., Ely and Associates of Texas LLC; Jacoby, Mark, Burnett Oil Company, Inc.	SPE – 146523-PP Presented at the Annual Technical Conference and Exhibition Denver, CO	
<b>“Fracturing &amp; Pressure Services in High Demand”</b>	Ely, John W.	Coleman Research Group Seminar	2011
<b>“The Potential, Or Lack Thereof, For Water Free Fracturing”</b>	Ely, John W.	Coleman Research Group Seminar	2011
<b>“Hydraulic Fracturing Using Water”</b>	Ely, John W.	Centerpoint Energy, Houston, TX	Oct 2011
<b>“ Hydraulic Fracturing Presentation”</b>	Ely, John W.	Gerson Lehman Group - Pittsburgh, PA	2010

<b>“Waterfracs: A Perspective of 8 Years of Intense Study and A Review of 60+ Years of Field Work”</b>	Ely, John W., Vanguard Stimulation Services and Ely and Associates, Inc.	Presented at the 2009 SPE Tight Gas Completion Conference held in San Antonio, TX	June 15-17, 2009
<b>“Fracturing Fluids and Additives” Chapter 7</b>	Ely, John W., SPE, Ely and Associates; McCoy, Michael W., Ely and Associates		2009
<b>“Ecosphere Energy Services - Total Frac Water Management”</b>		Given to various oil companies	2008-2009
<b>“First Horizontal Cementless HP/HT Completion Performed in STX on a Deep Wilcox Well Dramatically Increases Production”</b>	Ely, John W. R.L. Hinkie, B.D. Maddox, M. Wharton, B.P. Balcer, M. Farabee, Ely, John W.	Presented at the Coiled Tubing & Well Intervention Conference and Exhibition	Apr 1-2, 2008
<b>Source Rock “The New Wave in Stimulation”</b>	Ely, John W.	FracTur Presentation, College Station, Texas	Feb 2008
<b>“Propping Agents in Hydraulic Fracturing”</b>	Ely, John W., Ely and Associates, Inc.	Rogtec Magazine	Aug 2006
<b>“Water Fracs”</b>	Ely, John W.	Presented at FracTur Conference Texas A&M University	May 2006
<b>Source Rock “The New Wave Major League Black Shale Synopsis”</b>	Ely, John W.	Pittsburgh, PA	May 2006
<b>“Method for Reducing Permeability Restriction Near Wellbore”</b>	Ely, John W., Wolters, Bradley C., McCain, William D.	US Patent 6,945,327 B2	Sept 20, 2005
<b>“The Top Ten (15) Ways to Fail at Well Stimulation”</b>	Ely, John W., Ely and Associates, Inc.	Westside SPE	2004

**PUBLICATIONS AND PATENTS:** - Cont'd.

<b>Old/New Techniques Translate into Big Savings and Enhanced Stimulation in the Brown Dolomite/Hugoton Fields of Texas and Kansas</b>	Ely, John W., Ely and Associates, Martin, Michael A.; BJ Serices, Duenas, Jose J., BP America; Trythall, Jerry R., BP America Production Company	SPE 80932 Paper presented at the SPE Production and Operations Symposium in Oklahoma City, OK	Mar 23-25, 2003
<b>Enhanced Fracture Stimulation in the Deep Morrow Sandstone in Western Oklahoma</b>	Ely, John W., Martin, Michael A., Duenas, Jose J., Trythall, Jerry	SPE 80932 Paper presented at the SPE Production and Operations Symposium in Oklahoma City, OK	Mar 23-25, 2003
<b>“GRI Restimulation Program Finds Success in Enhancing Recoverable Reserves”</b>	Ely, John W. Ely and Tiner, Robert L., Ely and Associates, Inc., Rothernberg, Mark, Barrett Resources, Krupa, Anthony, EOG Resources, McDougal, Fred, UPR, Conway, Mike, Stim Lab, Reeves, Scott, ARI	World Oil	Dec 2000
<b>“Common Myths about Hydraulic Fracturing”</b>	Ely, John W., Ely and Associates	San Antonio SPE meeting	2000
		Abstract	Faxed 1/21/1997
<b>“Fracture Optimization On Every Well”</b>	Ely, John W., Tiner, Robert L. Ely and Associates Inc.	Hart’s Petroleum Engineer International	Jan 1998
<b>“Enhanced Proppant Transport for Borate Fluid Utilizing Caustic Pre-Flush”</b>	Ely and Associates, Inc.	SPE 36456 Paper presented at the 71 <sup>st</sup> Annual Technical Conference and Exhibition (ATCE) of the Society of Petroleum Engineers, Denver, CO	Oct 6-10, 1996
<b>“Frac Packs – State of the Art”</b>	Tiner, Robert L., Ely, John W., Schraufnagel, R.		
<b>“Recommended Practices on Measuring the Viscous Properties of a Crosslinked Water Based Fracturing Fluid”</b>	Holditch, Steven A., Ely, John W.	API Recommended Practices	1996



<b>“New frac-pack procedures reduce completion costs”</b>	Ely, John W., Ely and Associates, Inc	World Oil	April 1996
<b>“How intense quality control improves hydraulic fracturing”</b>	Ely, John W., Ely and Associates, Inc.	World Oil	Nov 1996
<b>Hydraulic Fracturing of Unconsolidated High Permeability Reserves</b>	Ely, John W., Ely and Associates, Inc.	PP Presentation	1996
<b>“Intense Quality Control on Hydraulic Fracturing Treatments: A Process Whose Time Has Come”</b>	Ely, John W., Ely and Associates, Inc.	World Oil	July 1996
<b>“Field Investigation of Heat Transfer in Hydraulic Fractures and the Effect of Heat Transfer on Fracturing Fluid Design”</b>	Craig, David P., Brown, Ted, Ely, John W.	SPE 36494 Paper presented at the 1996 SPE Annual Technical Conference and Exhibition, Denver, Colorado	Oct 6-9 1996
<b>“Successful Frac Packs in the Gulf of Mexico are Preview of Future”</b>	Ely, John W.; Tiner, Robert L.; Ely and Associates, Inc.	GasTIPS	Fall 1996
<b>"Frac Pack Design and Implementation in the Gulf of Mexico"</b>	Ely, John W.	Presented at the Gulf Coast Region SPE Production monthly meeting	Apr 24, 1996
<b>"Experience Proves Forced Fracture Closure Works"</b>	Ely, John W.	World Oil, pages 37-41	Jan 1996
<b>“Frac Packs Stimulate Wells, Control Sand Production”</b>	Kirby, R.L., Clement, C.C., Asbill, S.W., Ely, John W.	The American Oil & Gas Reporter Special Report: Well Stimulation and Completion	Dec 1995
<b>“Recommended Practices for Testing High-Strength Proppants Used in Hydraulic Fracturing Operations”</b>	Ely, John W		
<b>“Frac pack technology still evolving”</b>	Ely, John W., Ely and Associates Inc.; Ebinger, Charles, Oil & Gas	Oil & Gas Journal	Oct, 23 1995

**PUBLICATIONS AND PATENTS: - Cont'd.**

<b>“Screenless Frac Pack Completions Utilizing Resin Coated Sand In The Gulf of Mexico”</b>	Ely, John W., Ely and Associates, Inc.; Kriby, R.L., C.C. Cement; Asbill S.W., Shirley, R.M., Dalen Resources Oil & Gas Company	SPE: 30467 – Presented at the 1995 SPE Annual Technical Conference and Exhibition	Oct 22-26, 1995
<b>“Success Achieved in Lenticular Reservoirs Through Enhanced Viscosity, Increased Sand Volume, And Minimization of Echelon Fractures”</b>	Ely, John W., Ely and Associates, Inc.; Brown, Ted D., Barrett Resources Corp.; Reed, Shawn D.; BJ Services	SPE: 30479 – Presented at the 1995 SPE Annual Technical Conference and Exhibition.	Oct 22-26, 1995
<b>“Optimization of Hydraulic Fracture Treatments in the Williams Fork Member of the Masaverde Group</b>	Ely, John W., Ely and Associates, Inc.; Brown, Ted D., Barrett Resources Corp.; Reed, Shawn D.; The Western Company	SPE: 29551	Feb 1995
<b>“Evaluation of crosslinked CMHEC Fracturing Fluid in Stimulation of Fruitland Coal Seams in the San Juan Basin”</b>	Ely, John W., Ely and Associates, Inc.; Zimmerman, Scott, J. M. Huber Corp.	Presented at the 1994 Annual Technical Conference and Exhibition.	Sept. 25-28, 1994
<b>"Water Sensitive Formations" A Vanishing Phenomena</b>	Ely, John W., Wolters, Bradley C., Kromer, James C.	Presented at the First SPE Gulf Coast Annual Meeting and Exhibition	Mar 15-17, 1993
<b>“Pipelining, “Viscous Fingering Prop Fracture Techinque finds wide success in Permian and Delaware Basins</b>	Ely, John W., Wolters, Brad C., Kromer, James C., Hargrove, Jeff S., Ely and Associates, Phillips Petroleum Company	SPE 26528 – Presented at the 68 <sup>th</sup> Annual Technical Conference and Exhibition of the SPE	October 3-6, 1993
<b>“Blowout Control: Response, intervention and management</b>	Ely, John W., Flak, Larry H., Wright, John, W.	Oil World, Pages 71-78	Nov 1993
<b>"Recent Developments in the Future Potential For Hydraulic Fracturing Coalbed Methane Recovery in Australia"</b>	Ely, John W.	Coalbed Methane Symposium, Brisbane, Australia	Nov 1992

<b>"New Tools Attack Permian Basin Stimulation Problems"</b>	Ely, John W., Schubarth, Stephen K., Wolters, Brad C., Kromer, James C.	Oil & Gas Journal, Pages 66-70	June 8, 1992
<b>"A Variety of Tools Assist in Stimulation of Permian Basin Oil &amp; Gas Wells"</b>	Ely, John W., Schudbarth, Steven K., Wolters, Bradley C., Kromer, James C.	Southwest Petroleum Short Course, Texas Tech University	Apr 1992
<b>"New Fracture Designs Effectively Place Proppant in Many Permian Basin Formations"</b>	Ely, John W., Wolters, Bradley C., Schubarth, S.K., Ely and Associates and Bethard, D.R., Pogo Producing Co.	SPE Permian Basin Oil & Gas Conference, Midland, Texas	Mar 18-20, 1992
<b>"High Proppant Concentration/Low Volume Fracture Treatment Combined with Forced Closure Yields Success in Clearfork Formation"</b>	Ely, John W., Wolters, Bradley C., Schubarth, S.K., Jacoby, M.A., Sommers, G.E., Jacoby, M.A.	Paper presented at the 38th Annual Southwestern Petroleum Short Course, Lubbock, TX	Apr 17-18, 1991
<b>"The Effect of Viscous Fluid Properties on Excess Friction Pressures Measured During Hydraulic Fracture Treatments"</b>	Holditch, Steven A., Robinson, B.M., Ely, John W., Rahim, Zillur	SPE Production Engineering	Feb 9-14, 1991
<b>"How to Develop a Coalbed Methane Prospect: A Case Study of an Exploratory Five-Sport Well Pattern in the Warrior Basin, Alabama"</b>	Ely, John W., Zbitowsky, R.L., and Zuber, M.C.	SPE 20666 Paper presented at the 65th Annual Conference and Exhibition, New Orleans, LA	Sept 23-26, 1990
<b>"New Techniques and Quality Control Find Success in Enhancing Productivity and Minimizing Proppant Flowback"</b>	Ely, John W., Arnold, W.T., Holditch, Steven A.	SPE 20708 Paper presented at the 65th Annual Technical Conference and Exhibition, New Orleans, LA	Sept 23-26, 1990
<b>"Fracturing Techniques Depend on Coal Seam Characteristics"</b>	Ely, John W. and Holditch, Steven A.	Oil & Gas Journal, Pages 33-37	July 23, 1990

PUBLICATIONS AND PATENTS: - Cont'd.

<b>"Improved Job Execution and Stimulation Success Using Intense Quality Control"</b>	Ely, John W., Wolters, Bradley C., Holditch, Steven A.	Paper presented at the 37th Annual Southwestern Petroleum Short Course, Lubbock, TX	Apr 18-19, 1990
<b>"Field Unit Enhances Fracture Investigation"</b>	Ely, John W., Haskett, S.W., and Holditch, Steve A.	Journal of Petroleum Technology, Pages 1194-1198	Nov 1989
<b>"Successful Proppant Fracturing of Ultra Deep Sour Gas Reservoir"</b>	Ely, John W., Cobb, W.J., Elkin, B., Bell, D.	SPE 19768 Paper presented at the 64th Annual Technical Conference and Exhibition, San Antonio, TX	Oct 8-11, 1989
<b>"Frac-Fluid Quality-Controlled In Field Lab"</b>	Ely, John W., Haskett, S.E., and Holditch, Steven A.	Oil and Gas Journal, Pages 42-46	July 3, 1989
<b>"Development of a Coal Seam Fracture Design Manual"</b>	Holditch, Steven A., Ely, John W., and Carter, R. H.	SPE 8976 paper presented at the Coalbed Methane Symposium, The University of Alabama/Tuscaloosa	Apr 17-20, 1989
<b>"Fracture Treatment Monitoring", Quality Control and Fluid Rheology Research"</b>	Ely, John W.	In Focus – Tight Gas Sands, Pages 24-28	Apr 1989
<b>"Recent Advances in Hydraulic Fracturing"</b>	Gidley, John L; Holditch, Stephen A.; Nierode, Dale E; and Veatch, Ralph W. Jr., Ely, John W	SPE Monograph Volume 12, Henry L. Doherty Series (Dallas)	1989
<b>"Improved Hydraulic Fracturing Strategy for Fruitland Coal-Bed Methane Recovery San Juan Basin, New Mexico &amp; Colorado"</b>	Ely, John W., Holditch, Steven A., Carter, R.H.	(2 Chapters by John Ely) Geology and Coal-Bed Methane Resources of the Northern San Juan Basin, Colorado and New Mexico, J.E. Fassett (ed.), Rocky Mountain Association of Geologist, Denver, CO Pages 155-158	1988
<b>"Enhanced Recovery of Coalbed Methane Through Hydraulic Fracturing"</b>	Holditch, Steven A., Carter, R.H., Semmelbeck, M.E., Ely, John W., Hinkel, J.J., Jeffrey, R.G.	SPE 18250 paper presented at 63rd Annual Technical Conference and Exhibition, Houston, TX	Oct 2-5, 1988
<b>"The Effect of Viscous Fluid Properties on Excess Friction Pressures Measured During Hydraulic Fracturing Treatments"</b>	Holditch, Steven A., Robinson, B.M., Ely, John W., Rahim, Zillur	SPE 18208 Paper presented at 63rd Annual Technical Conference and Exhibition, Houston, TX	Oct 2-5, 1988
<b>"The GRI Staged Field Experiment"</b>	Holditch, Steven A., Robinson, B.M., Whitehead, W.S., and Ely, John W.	SPE Formation Evaluation, Pages 519-533	Sept 1988

PUBLICATIONS AND PATENTS: - Cont'd.

<b>"Hydraulic Fracturing Fluids, Fracturing Fluid Additives, and Onsite Job Control"</b>	Ely, John W.	Presented at the Eastern Devonian Shales Workshop, Charleston	Sept 1988
<b>"Polymers Used to Direct Kill Fluids to Blowout"</b>	Ely, John W. and Holditch, Steven A.	Oil & Gas Journal, Pages 44-48	Aug 1, 1988
<b>"Hydraulic Fracturing Fluids, Fracturing Fluid Additives, and Onsite Job Control"</b>	Ely, John W.	Presented at the Eastern Devonian Shales Workshop, Charleston	Sept 1988
<b>"Polymers Used to Direct Kill Fluids to Blowout"</b>	Ely, John W. and Holditch, Steven A.	Oil & Gas Journal, Pages 44-48	Aug 1, 1988
<b>"Field Experience with the GRI Rheology Unit"</b>	Ely, John W. and Haskett, S.E.	SPE 17715 Paper presented at SPE Gas Technology Symposium in Dallas, TX	June 13-15, 1988
<b>"Design Considerations for Hydraulic Fracturing Treatments in the Devonian Shale"</b>	Ely, John W.	Eastern Devonian Gas Shales Technology Review	Mar 1988
<b>"Conventional and Unconventional Kill Techniques for Wild Wells"</b>	Ely, John W., Holditch, Steven A.	SPE 16674 paper presented at the 62nd Annual Technical Conference and Exhibition of SPE, Dallas	Sept 27-30, 1987
<b>"Field Measurement of Fracturing Fluid Viscosity at In-Situ Conditions of Temperature and Shear"</b>	Ely, John W. and Haskett, S.E.	SPE 16915 Paper presented at the 62nd Annual Technical Conference and Exhibition, Dallas, TX	Sept 27-30, 1987
<b>"GRI's Fracture Fluid Rheology Unit-Portable Equipment for Measuring Fluid Behavior Under Simulated Downhole Conditions"</b>	Ely, John W.	In-Focus Tight Gas Sands Pages 5-17	Sept 1987
<b>"Tight Gas Research from GRI - A Status Report"</b>	Ely, John W.	Presented at the 34th Annual Petroleum Short Course in Lubbock, TX	Apr 1987

PUBLICATIONS AND PATENTS: - Cont'd.

<b>"Stimulation Treatment Handbook: An Engineer's Guide to Quality Control"</b>	Ely, John W.	Pennwell Publishing Company	1985
<b>"Recent Mechanical and Chemical Improvements in Foam Fracturing"</b>	Ely, John W.	Presented at the 31st Annual Petroleum Short Course in Lubbock, TX	Apr 1984
<b>"1982 A Precipitous Decline, The Service Company, Bidding and Integrity"</b>	Ely, John W.	Presented at the National Meeting of the Society of Petroleum Engineers in San Francisco	Oct 1983
<b>"Stimulation Techniques Used in the Austin Chalk"</b>	Ely, John W., McDow, Gary, Turner, Jeff	Paper presented at the 29th Annual Petroleum Short Course in Lubbock, TX	Apr 1982
<b>"Methods of Water Flooding and Fracturing Using Clean, Non-damaging Fracturing Fluids"</b>	Ely, John W.	U.S. Patent 4,265,311	May 5, 1981
<b>"Fracturing Fluids: State-of-the-Art"</b>	Ely, John W.	Presented at the 27th Annual Petroleum Short Course, in Lubbock, TX	Apr 1981
<b>"High Temperature Well Treating with Crosslinked Gel Solutions"</b>	Ely, John W.	U.S. Patent 4,210,206	July 1, 1980
<b>"Terminating the Flow of Fluids from Uncontrolled Wells"</b>	Ely, John W.	U.S. Patent 4,133,383	Jan 9, 1979
<b>"Polymer Use in Blowout Control"</b>	Arnwine, L.C. and Ely, John W.	Journal of Petroleum Technology, Pages 705-712	May 1978
<b>"Gas Well Stimulation in the Middle East"</b>	Ely, John W.	Presented in Kabul, Afghanistan. Meeting of the Society of Petroleum Engineers	May 14, 1976
<b>"Compositions for Fracturing High Temperature Well Formation"</b>	Ely, John W.	U.S. Patent 3,898,165	Aug 5, 1975

PUBLICATIONS AND PATENTS: - Cont'd.

<b>"Hydraulic Fracturing Method Using Benzoic Acid to Further Increase the Viscosity of Liquid Hydrocarbon"</b>	Ely, John W.	U.S. Patent 3,799,267	Mar 26, 1974
<b>"Methods For Fracturing High Temperature Well Formations"</b>	Ely, John W.	U.S. Patent 3,768,566	Oct 30, 1973
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<b>"High Viscosity, High Proppant Frac Jobs Pay Off In Deep Wells"</b>	Holditch, Steven A., Ely, John W.	Presented at the 47th Annual Fall Meeting of the Society of Petroleum Engineers of AIME, San Antonio	Oct 1972