



JOHN W. ELY
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EDUCATION and PROFESSIONAL AFFILIATIONS

B.Sc. Chemistry, Oklahoma State University, SPE, ACS, AICH, ASQC

WORK HISTORY

JOHN WRIGHT COMPANY: Consultant for Kill Equipment and Speciality Polymer 1993 - present. Mr. Ely specializes in blowout hydraulics, particularly kill pumping equipment, fracture mechanics, well completion, cementing, fluids, and serves a unique role in the industry as a developer of patented polymer technology for control of blowouts in dynamic kill operations. His extensive publications, research and 25 years experience brings clients a level headed expert in equipment and fluids design, optimization techniques and site supervision.

Mr. Ely's background in blowout intervention pumping operations began with history-making kill operations in the Middle East and Indonesia, where he also developed methodology to aid optimization of relief well procedures once the well bore intercept is achieved. A Blowout Advisor with a unique knowledge of cementing, rheology, hydraulics, equipment, directional issues, polymers and mud with personnel management experience from kill operations around the world. Mr. Ely is President of his own company, Ely & Associates, specializing in hydraulic fracture treatments.

ELY & ASSOCIATES "President", 1991 - present. Started in 1991 to provide a blend of practical and technical expertise on well completion, stimulation fluids, equipment, and reservoir analysis. Services respective to stimulation, formation evaluation, well performance analysis, multi-phase multi-dimensional reservoir analysis, completion's and workovers consulting including deep gas wells and coalbed methane, and several short-courses in hydraulic fracture treatment.

S.A. HOLDITCH & ASSOCIATES: "Vice-President of Stimulation Technology", 1985-1991. Assisted in well kill operations, including West Cameron; develop in-situ polymers for optimization of well kill operations, develop special tools (downhole jetting tool for special penetration). Provided technical expertise on fracturing and acidizing fluids. Supervised hundreds of stimulation treatments domestic and abroad and involved in research on fracturing fluids under the auspices of the Gas Research Institute.

NOWSCO "Engineering Manager", 1980-1985 Responsible for all phases of engineering, research and development and formulation of a chemical product line. Involvement in several kill operations including consulting for Red Adair on chemicals for fire extinguishment. One of several incidents where John's extensive knowledge of chemistry utilized for fire control, including several coal mine fires where cross-linked foam was used to seal off shafts and special plastics were used to seal the surface.

HALLIBURTON SERVICES "Technical Advisor, International Operations", 1977-1980. Coordinate all phases of research with international field operations. Pumping operations supervisor at the Arun Field 1978 and 1980 during first documented use of dynamic kill procedures presented by Mobil Oil. Specialty polymers and loss circulation additives utilized. 1979 and 1980 spent 130 days on Ixtoc offshore well kill operation. John Ely designed the cement slurry, a 9 ppg high compression strength, light weight, thixotropic cement for use in final kill of the Ixtoc One. *"Technical Advisor, Eastern Hemisphere"*, 1973-1977. Responsible for operations in 11 Middle Eastern countries. Involved in Conoco offshore blowout near Dubai. Salt cavities in proximity of the flowing well and crater with giant gas bubble significantly complicated application. Conventional well kill pumping operations failed. John developed controlled viscosity polymers to direct the flow of fluids to the blowing well and cross-linked polymers to fill huge salt cavities. Resulted in U.S. Patent #4,133,383. Involved in 8 relief well programs for high pressure gas well blowouts near Agahjari in Iran. Additionally, helped in high pressure water flow in Gachsaran where special polymers were utilized to control several wells with flow of as much as 300,000 bbls/day.

"Senior Chemist", 1965-1973. Involved in three separate kill operations in Southern Oklahoma where specialty chemicals required to kill wild wells. Chemicals provided viable alternative to top kill applications.

PUBLICATIONS

- Flak, L. H., Wright, J. W., & Ely, J. W.: "Part 1 Blowout control: Response, intervention and management-Strategy and planning", World Oil (November 1993), p.p. 71-78.
 - Ely, J.W., Stimulation Treatment Handbook: An Engineer's Guide to Quality Control, 1985, Pennwell Publishing Company.
- Numerous other publications**