



Wednesday, April 29, 1998

Session I Alternately Deployed ESP's

Introduction: Karen Draper, ESP Workshop Chairman

Chairman: John Patterson, Arco
Asst.: Robert Lannom, ESP, Inc

- 09:00 **Keynote Speaker: Bob Scott, World Oil**
- 10:00 Technology Developments in PanCanadian Cohasset Project
Larry Huskins, PanCanadian Resources, Corin Main, Alistar Gauld, Neil Thomson, Phoenix Petroleum
- 10:30 Wireline Retrievable Progressing Cavity Submersible Pumping System Updated Field Case Study
Jay Mann, Irfan Ali, Marvin Keller, Reda
- 11:00 Series Boosting Technique Achieve 1200-2000 Horsepower ESP Deployment
Carlos Moreno, YPF Ecuador, Inc. David Randolph Smith, Floyd Ireland, Centrilift
- 11:30 Break**
- 12:00 Advances in Electra Coiled Tubing Deployed ESP Systems
David H. Neuroth, Earl B. Brookbank, Centrilift
- 12:30 Cable Deployed Pumping System Case Study
Toubar El-Metwally, Hesham Bahaa Zaafarana Oil Company, Ramez Guindi – Reda,
- 13:00 Lunch**

Session II Aggressive Pumping Applications**Chairman: Sylvia Gailey, EFT Systems**
Asst.: Buford Neely, Consultant

- 14:30 High Volume Down-Hole Progressing Cavity Pumps in Viscous Applications with Electric Submersible Motors
Majid S. Delpassand, Moyno Oilfield Products
- 15:00 Short Story: Operating “Do’s and Don’ts for Progressive Cavity Electric Submersible Pumps
Jeffrey S. Johnston, Thums Long Beach
- 15:15 Short Story: Recycle System to Extend ESP Run Lives
Kumia Kusumamulya, Maxus
- 15:30 Gas Pumps
Lyle Wilson, Oil Dynamics, Inc.
- 16:00 Break**
- 16:30 **Breakouts: Equipment Failures – Carl Cox**
Data Handling – Noel Putscher
Variable Frequency Drives – Mike Voytachek
Cable – Maurice Patterson
Heavy Crude – Allen Peats
- 18:15 Cocktail Party – Exhibit Area**



Thursday, April 30, 1998

Session III VSD/Monitoring

Chairman: Shauna Noonan, Chevron
Asst.: David Divine, Consultant

- 08:00** The Effect of Variable Speed Drive Modulation Schemes on Motors
William Pelton, Reda, Ron Bischoff, Will Gray, Toshiba Int'l,
- 08:30** Analysis of the Electrical Instability and Solutions during the implementation of the Electrical Submersible Pumping System on EK-Alpha Platform
Jorge Pimentel-Martinez, PEMEX, Ruben Salazar Mendoza, IMP, Amado V. Astudillo Abundes, PEMEX
- 09:00** ESP Motor Starting Torque Characteristics with and without a VSD
Tony Radcliff, Mickey Leuthen Centrilift
- 09:30** Methods to Reduce Electrical Stress in Variable Speed Drive Applications
Tom Brinner, Consultant, Kelly Ray Packard, Electric Submersible Pumps, Inc.
- 10:00** **Break**
- 10:30** Short Story: Medium Voltage Variable Frequency Drives with Low Harmonic Distortion-Field Test
Rafael Lastra, Occidental de Colombia, Carlos Loza, INELEC, Albert Roc, ROBICON
- 10:45** Downhole ESP Instrumentation
Michael R. Berry, Texaco Group, Inc
- 11:15** ESP SCADA Experience in South Oman
Chris Norris, Salim Abdullah Hookani, Petroleum Development Oman
- 11:45** ARC0 Indonesia ESP Operation, The Optimization and Results
Septo Adjie Sudiro, Y. Estanio Arco
- 12:15** **Lunch**

Session IV Cables/Motors

Chairman: Allen Peats, Reda
Asst.: Maurice Patterson, Consultant

- 13:30** Test of a 900 Hp Electric Submersible Pump (ESP) With a Variable Speed Drive (VSD) On a Long (34,500 Ft) Length of Cable for an Extended Reach Well at BP's Wytch Farm Operation
Peter Lawson, Centrilift, **Yvonne Hepburn, John Davies, BP, David Graham, Stoyerman Controls**
- 14:00** Subsea ESP's at Large Step Out Distances
Ahmed-Al-Mashgari, Steve Breit, Dave Christmas, Dave Leslie, Reda, Professor John Smith, Transfer Technology and Training
- 14:30** Electric Submersible Motor Tests
Douglas H. Cashmore, Centrilift
- 15:00** **BREAK**
- 15:30** Implementing Recirculation System Electric Submersible Pump Operations in Gaines County, Texas
Jeffrey Knight, Oil Dynamics, Inc.
- 16:00** Short Story: Fluid Recirculation System - An Overview
Danny Bell, Oryx Energy, Robert Lannom, Hamid Ihsan, ESP, Inc.
- 16:15** Flow Regime Effects on Downhole Motor Cooling
Paul Skoczylas, Francisco J.S. Alhanati, C-FER Technologies, Inc.
- 16:45** **Breakouts:** **Equipment Failures - Carl Cox**
Downhole Progressing Cavity Pumps -John Patterson
Variable Frequency Drives - Mike Voytachek,
Gas Handling - Joe Clegg
What's Your Problem? - Nathan Kupsch

Cocktail Party - Exhibit Area



Friday, May 1, 1998

Session V Field Studies

Chairman: Mike Parker, Maxus
Asst.: Mike Swatek, Centrilift

- 08:00 Short Story: Successful Lifting of Gassy, Abrasive, Heavy Oil
 Betty Crutchfield, J. S. Johnston, Thums Long Beach
- 08:15 Design and Implementation of a Reliable and Flexible ESP System for the Tchatamba Development
 Keith Fangmeier, Marathon Oil Company
- 08:15 Successful Test of New ESP Technology for Lake of Maracaibo Gassy Oil Wells
 Melvin Castro, Maraven
- 09:15 Electric Submersible Pumping Systems for Applications in High and Severe Sour Environments
 Andy Limanowka, Centrilift, Joe Stapaniuk, Ulster Petroleum
- 09:45 **Break**
- 10:15 Sizing and Selecting ESP for Heavy Crude Oil Applications
 Carlos Tovar, Lagoven, S.A.
- 10:45 Production Increase Applying ESP on Urdaneta Field, Maracaibo Lake, Venezuela
 Victor Salazar, Lagoven, S.A.
- 11:15 Cost Reduction Benefits Utilizing Wide Range Pumps and Standard Sized Equipment
 Ted Kramer, Marathon Oil, Lowell R. Mounce, Non Biased Submersible Management
- 11:45 Short Story: Successful Lift of Horizontal Wells in an Unconsolidated Reservoir
 Jeffrey S. Johnston, Thums Long Beach
- 12:00 Low Cost Pumping Systems
 Lyle Wilson, Oil Dynamics, Inc.
- 12:45 **Close**