



# FS 101

A PETROLEUM ETC SCHOOL

**February 24<sup>th</sup> 27<sup>th</sup>, 2020**

DAY 1 (9 AM – 2:00PM)

DR. JERRY JENSEN (UT)

- ROCK MECHANICS & LOG ANALYSIS

DAY 1 (2:10 PM – 4:00 PM)

WADHAH AL-TAILJI (CARBO)

- PROPPANTS OVERVIEW
- PROPPANT SELECTION
- PROPPANT TESTING

DAY 2 (9 AM – 2:20PM)

RAY ELLIS (LIBERTY FRAC)

- FLUIDS SELECTION
- FLUID TESTING
- FRACTURING FLUIDS
- BREAKERS
- ADDITIVES

DAY 2 (2:30 PM – 4:30PM)

ELIZABETH CAMBRE (TENDEKA)

- TRENDS
- NEW TECHNOLOGY
- SUFACTANTS

DAY 3 (9 AM – 4:00 PM)

TED RANDOLPH (APEX)

- COMPLETIONS OPTIMIZATION (FRAC DESIGN)
- FRAC ENGINEERING (EXECUTION, EVALUATION, DESIGN)
- FRACTURING METHODS
- CRITICAL FRACTURING PARAMETERS

DAY 4 (9 AM – 1:30 PM)

MICK FETKOVICH (PETC)

- BEHAVIOR OF CONVENTIONAL & UNCONVENTIONAL WELLS
- RATE TRANSIENT ANALYSIS
- PREDICTING AFTER-FRAC WELL PERFORMANCE

DAY 4 (1:40 PM – 4:00 PM)

SEAN MACHOVUE (HALLIBURTON)

- ADVANCE FRACTURE DIAGNOSTICS
- DOWNHOLE MONITORING
- FIBER OPTICS
- CASE HISTORIE