

Telecaster 30 Fed 3H

Endurance

Lea County, New Mexico

Reservoir Simulation Forecast

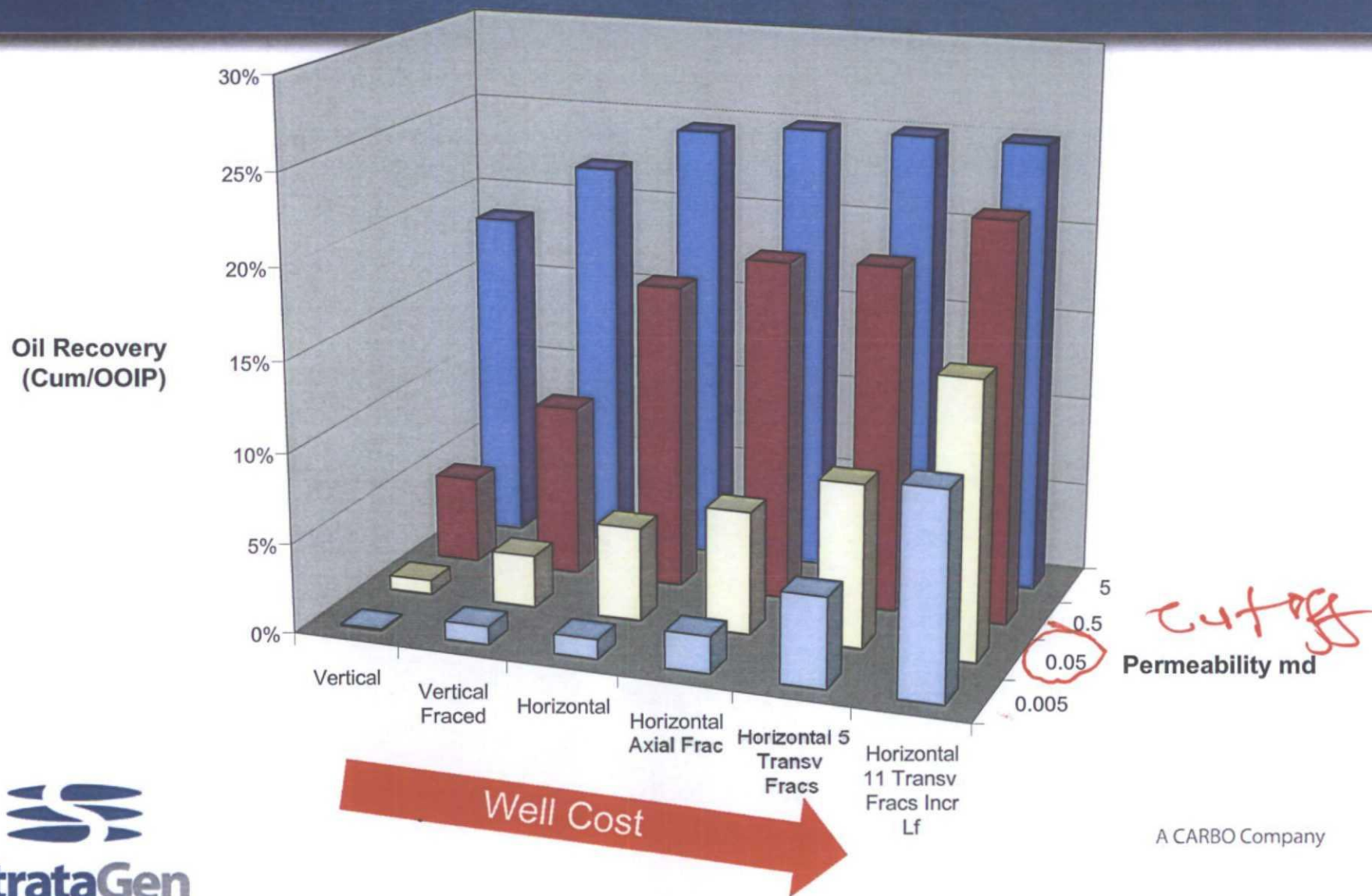


OCD Cases# 15074 & 15084
Endurance Resources, LLC
February 20, 2014
Ex# 12



Summary of 24 Well Simulations

SPE 133985



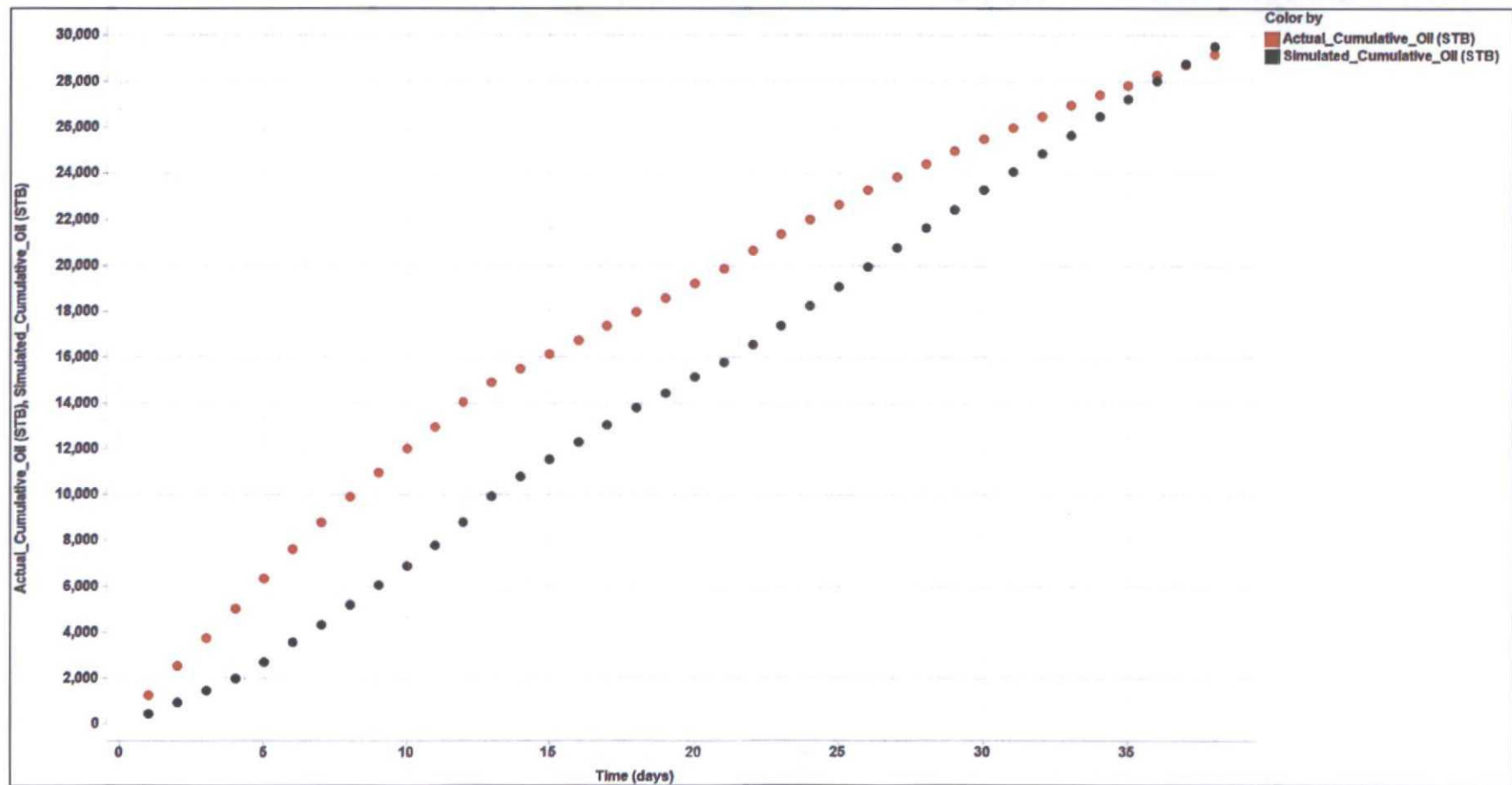
Reservoir Simulation

List of Parameters

Parameter (Unit)	Value
Lateral Length (ft)	3,000
Drainage Area (acre)	40
Pore Pressure (psi)	4,610
BHP Minimum (psi)	300
Effective Reservoir Permeability (mD)	0.48
Porosity (%)	12
Water Saturation (%)	40
Fracture Half Length (ft)	170
Fracture Height (ft)	105
Fracture Conductivity (mD.ft)	40.2
No of Fracture Stages	12

For Transverse (Calibrated Case) Fractures Contact Area ~ $36 \times 170 \times 2 \times 105 \sim 1,285,600$ sq.ft
For Longitudinal (Hypothetical Case) Fractures Contact Area ~ $3000 \times 160 \sim 480,000$ sq.ft

History Match Cumulative Oil Plot



Forecasted Cumulative Oil Comparison Plots

