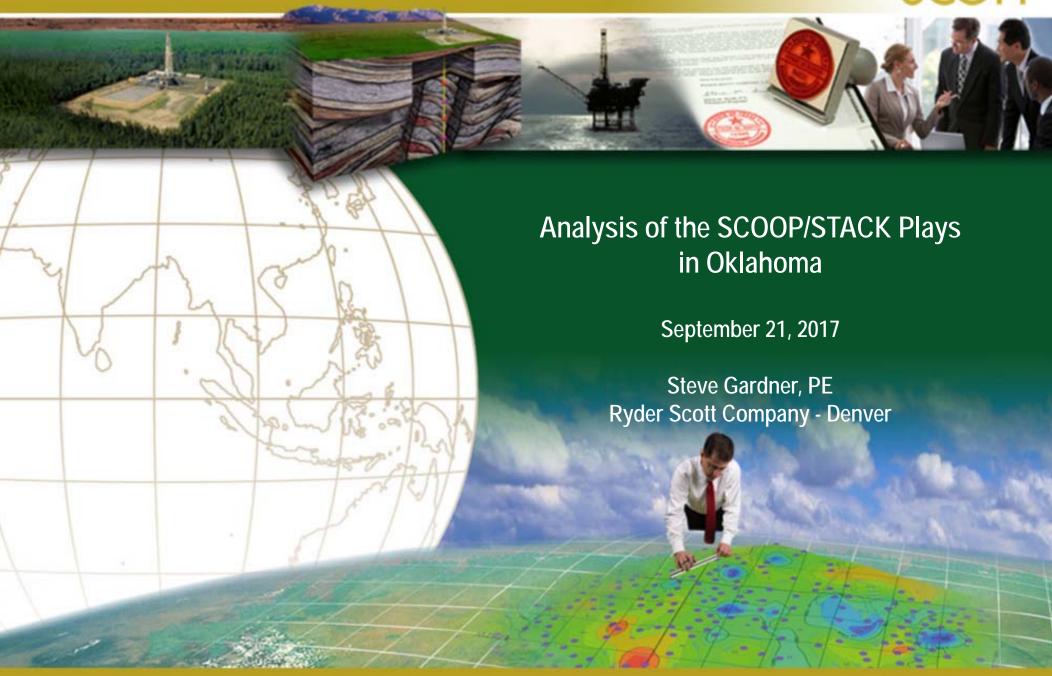
# Calgary • Houston • Denver





## **Outline**



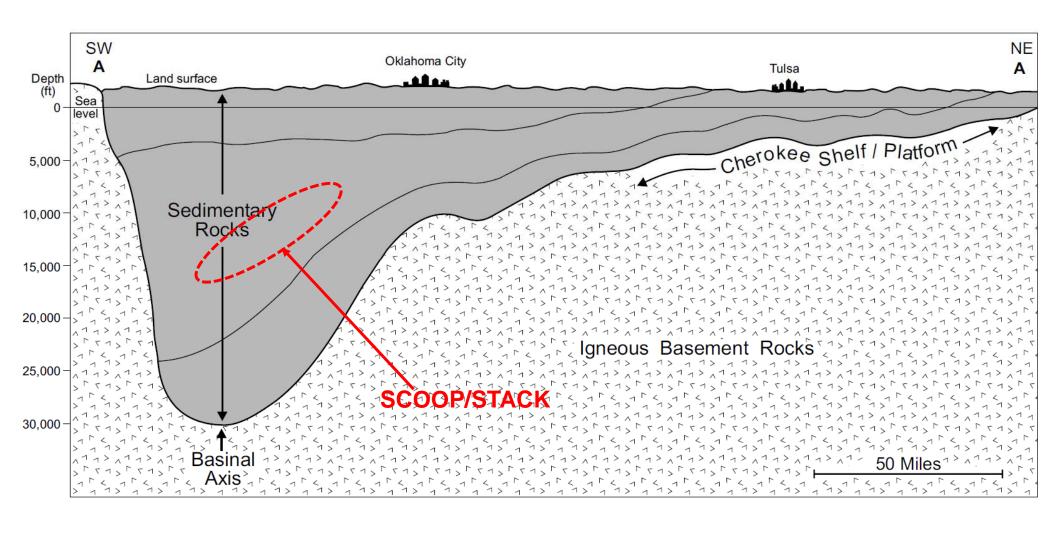
- Play Overview
- Geology, Pressure and Phase Windows
- Reservoir Performance
- What's Next?



# Play Overview

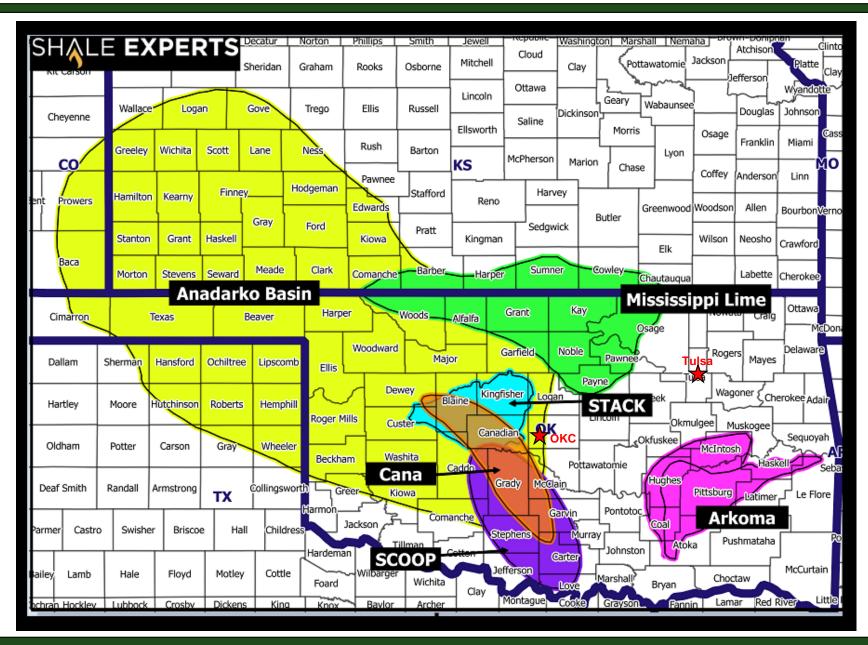
## Anadarko Basin





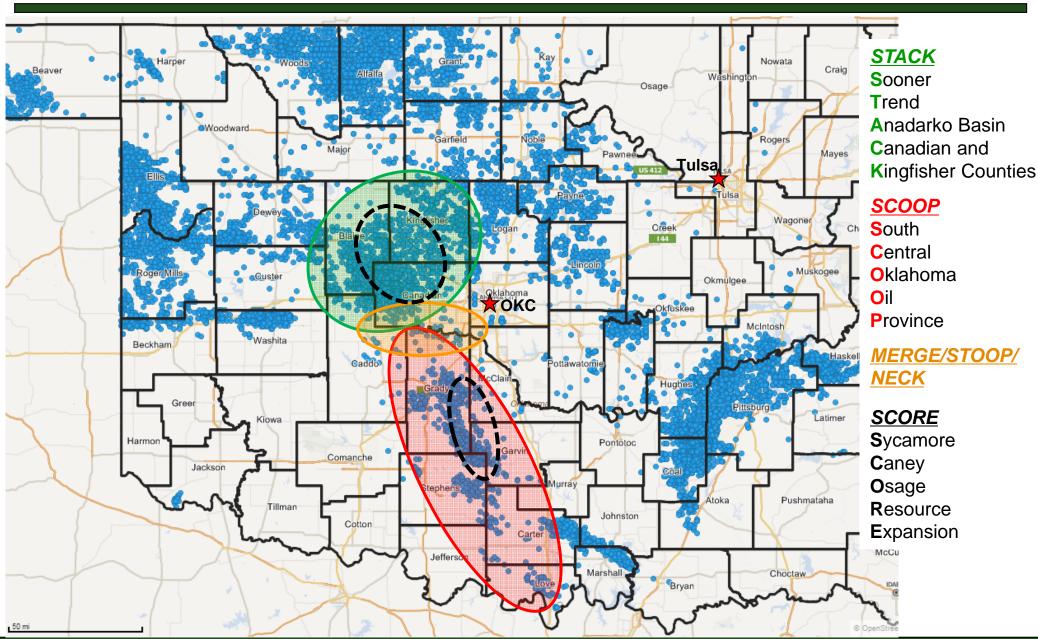
# Multiple Plays in the Area





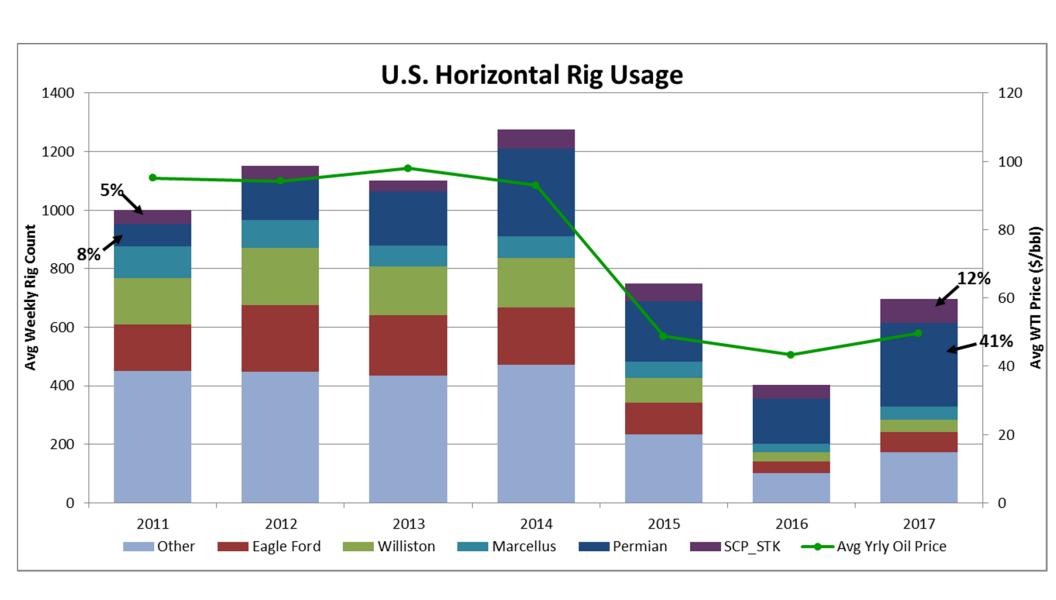
# Nomenclature





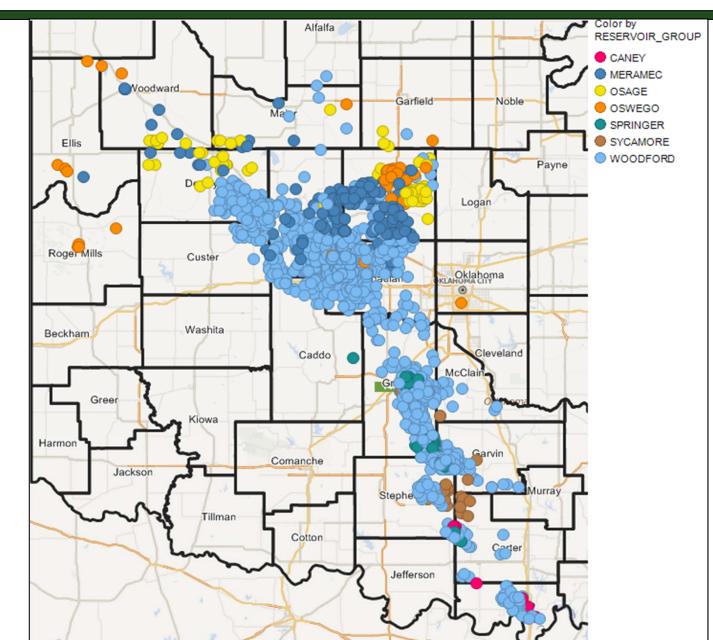
# Development Pace





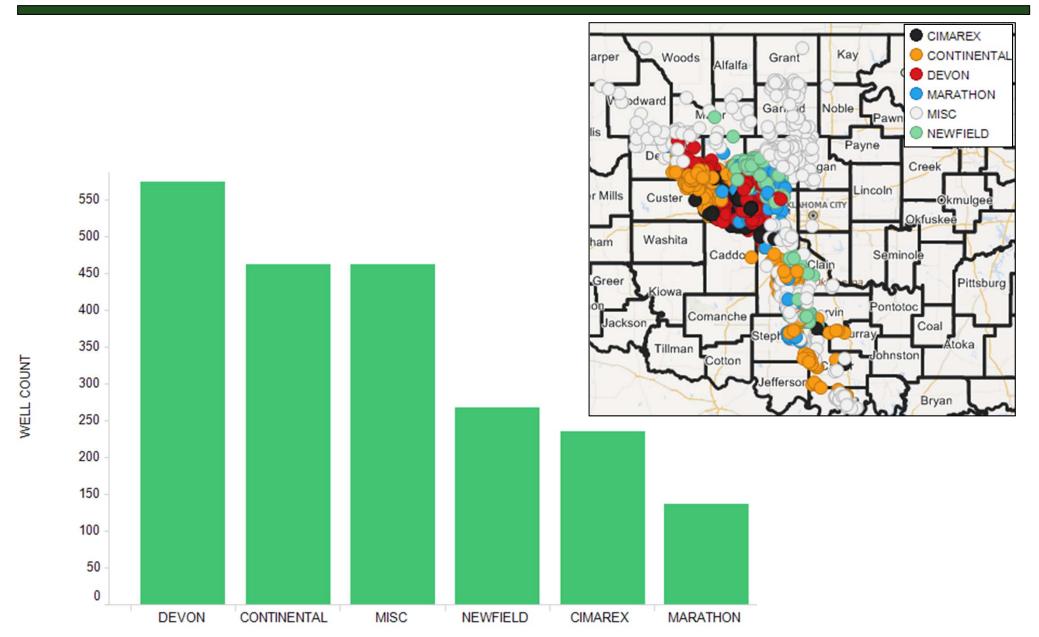
# Horizontal Well Locations by Reservoir 🕵





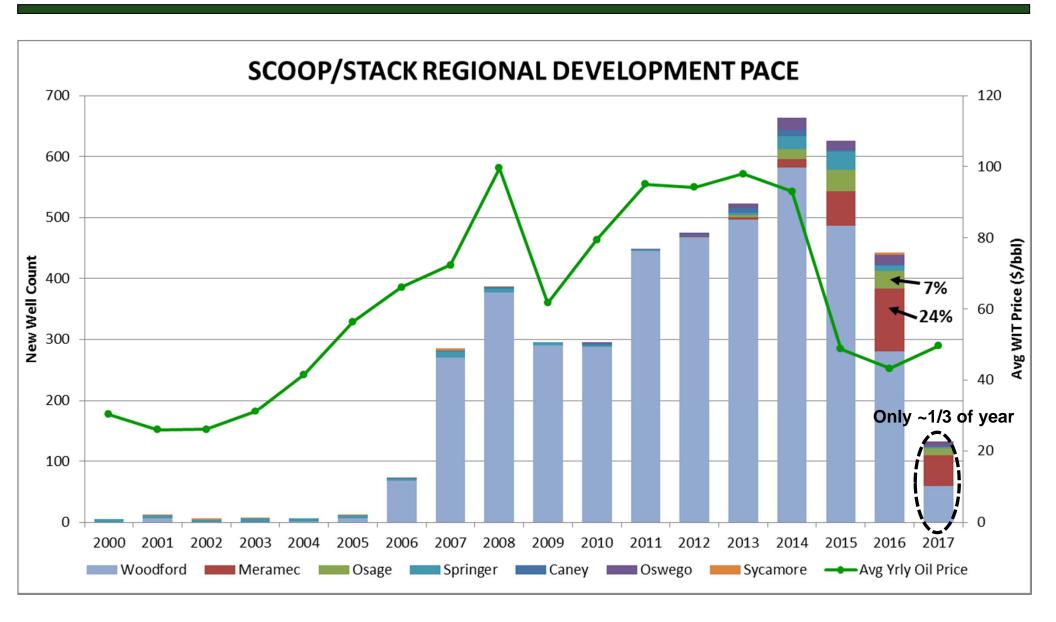
# Major SCOOP/STACK Operators





# Regional Development Pace



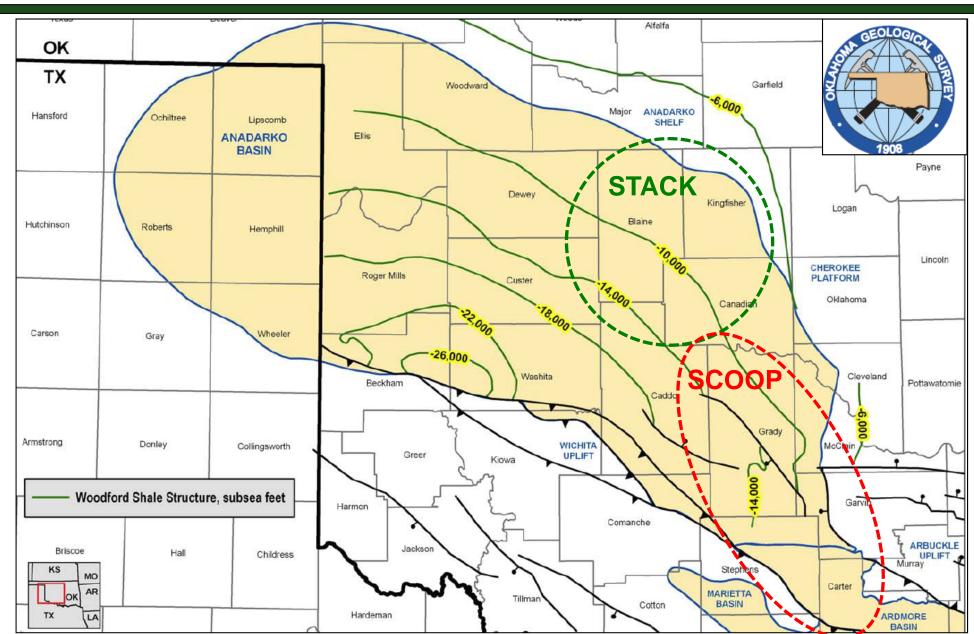




# Geology, Phase Windows and Pressure

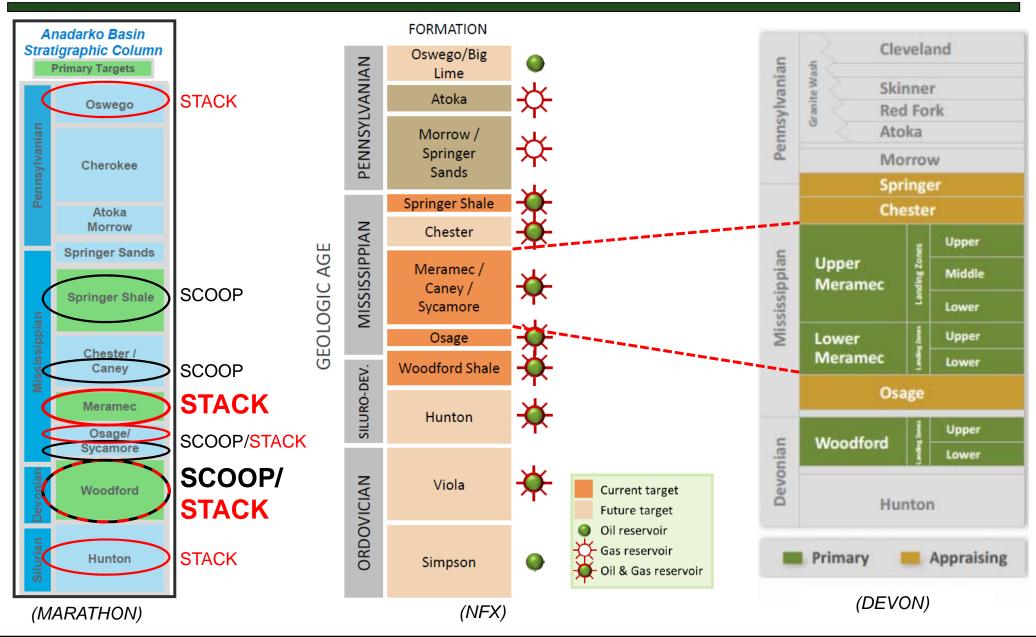
# Woodford Structure





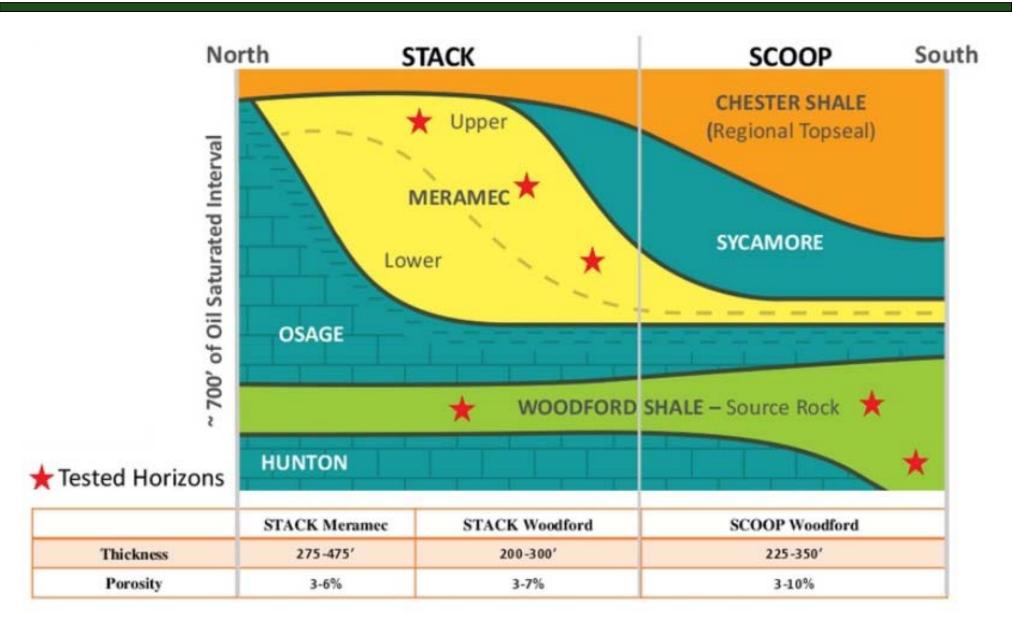
# Stratigraphic Column





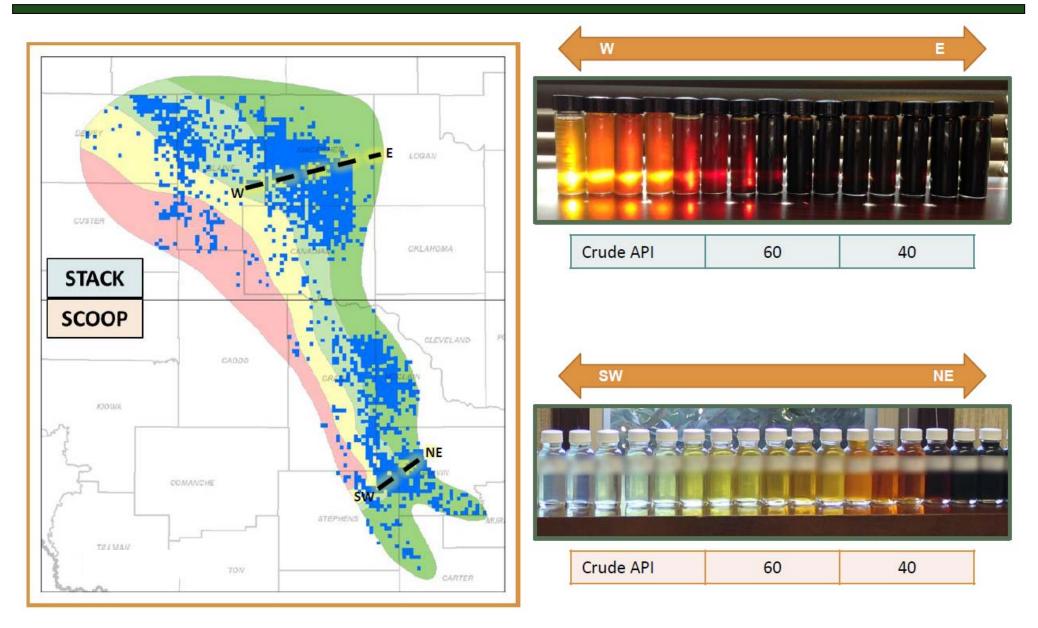
### **Cross-Section**





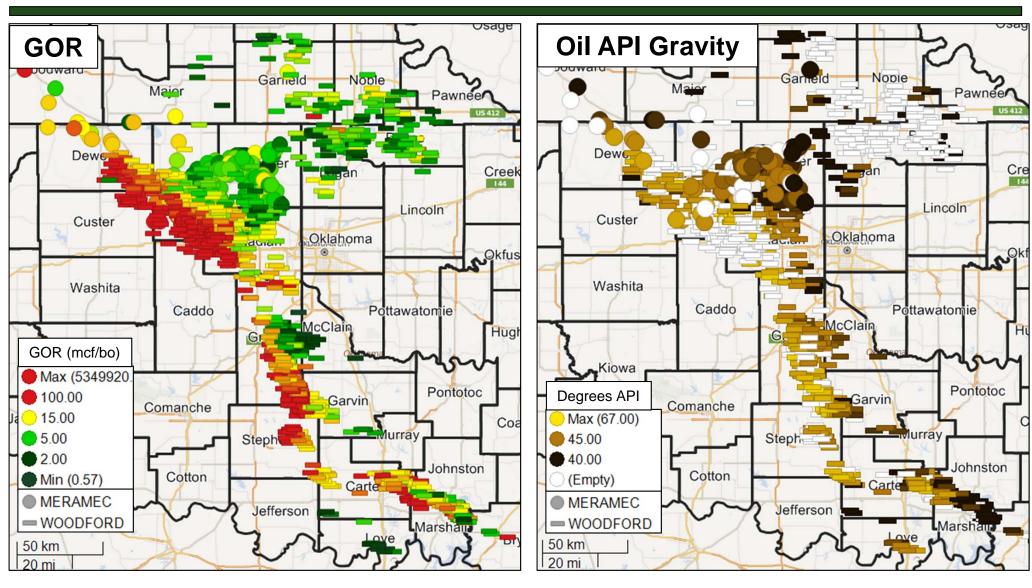
# **Woodford Phase Windows**





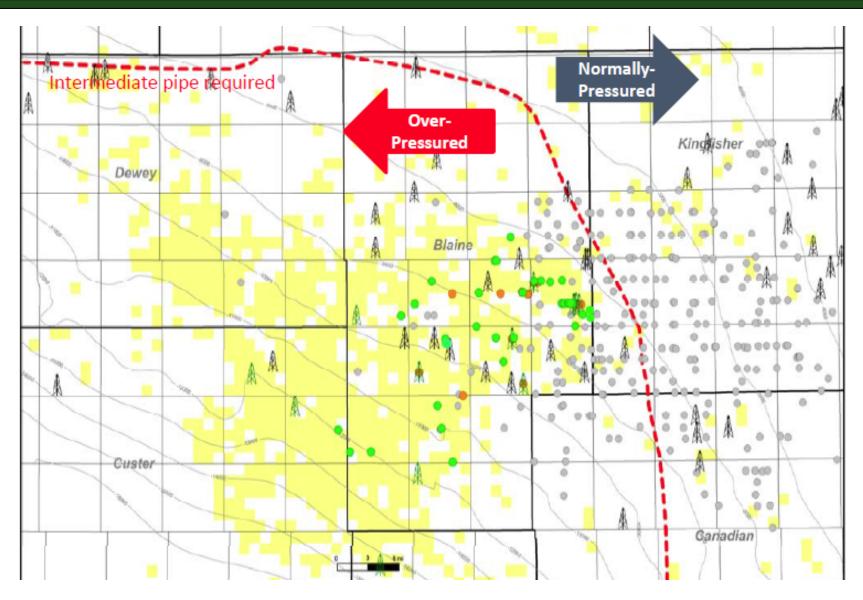
# Woodford & Meramec Phase Windows 15





# Pressure in STACK





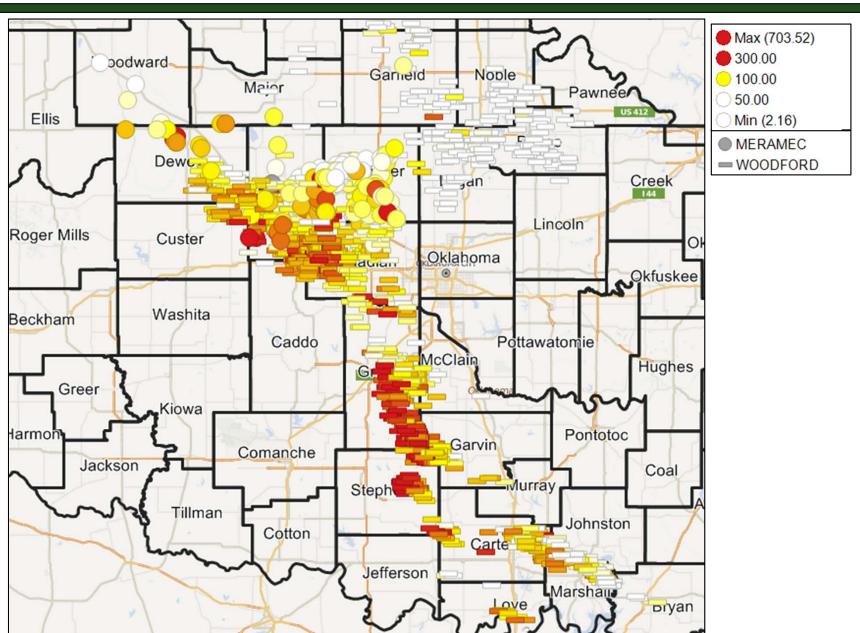
(Continental Resources)



# Reservoir Performance

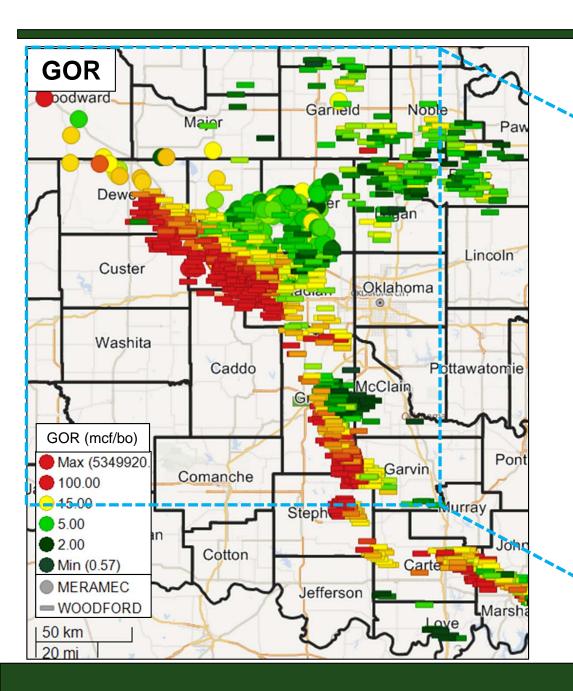
# Woodford vs. Meramec: MBOE/1000'



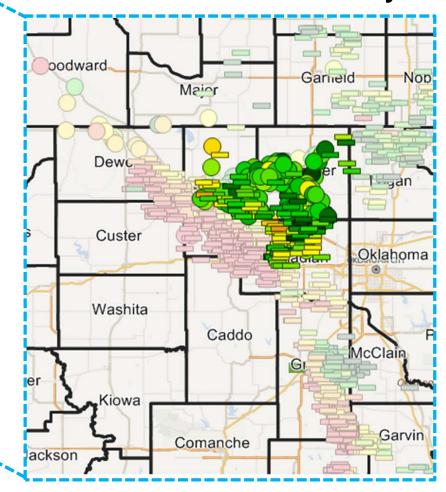


# Woodford vs. Meramec: GOR





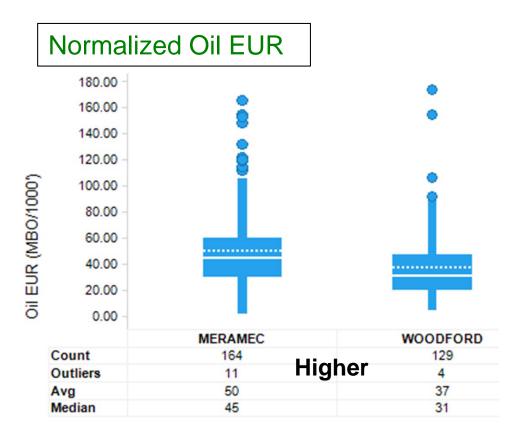
#### Oil / Vol. Oil windows only

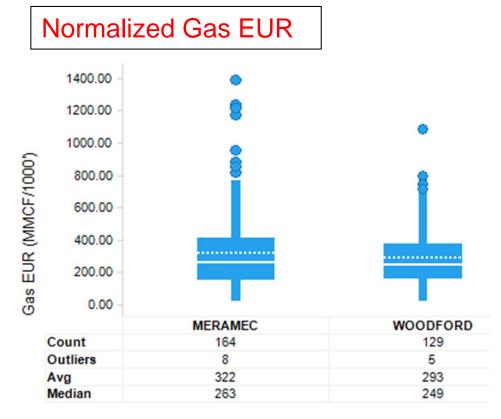


## Woodford vs. Meramec: EURs



#### Oil / Volatile Oil Phase Window\*:



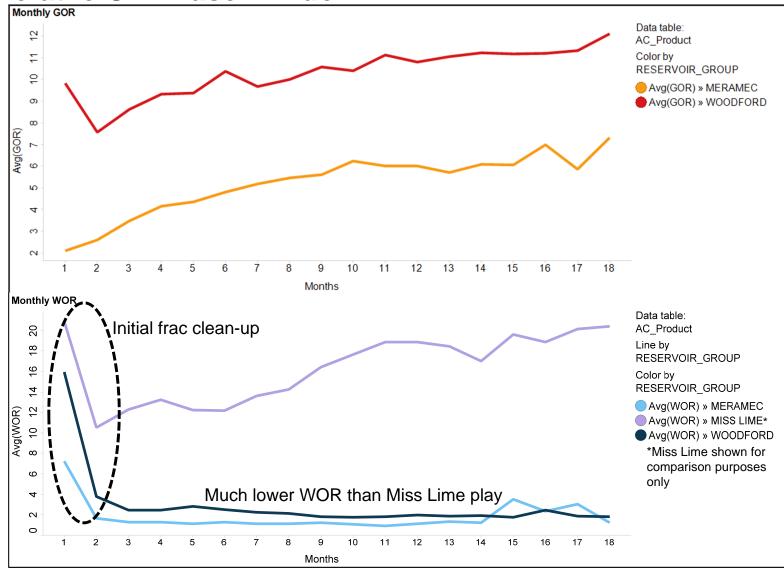


<sup>\*</sup>Data is included for the oil and volatile oil phase windows. Localized conditions may vary significantly. Variables like phase window locale, lateral length, completion design, operational strategy, etc. are all import factors, making any type curve work case specific.

# Woodford vs. Meramec: GOR & WOR



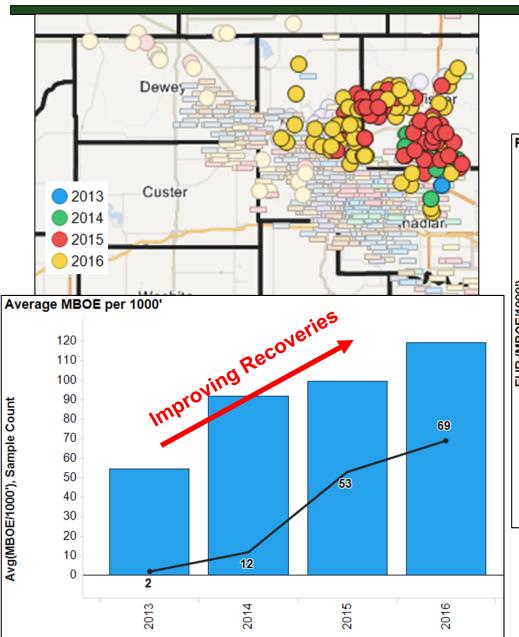
#### Oil / Volatile Oil Phase Window\*:

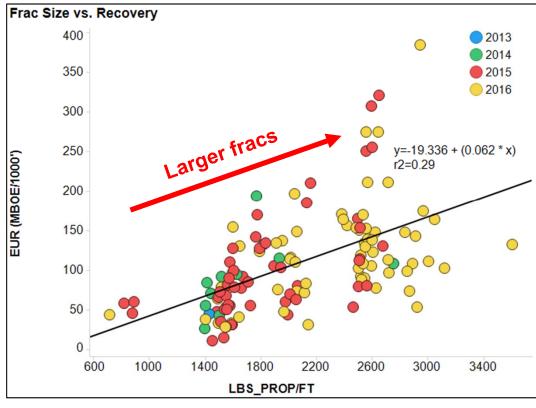


<sup>\*</sup>Data is included for the oil and volatile oil phase windows. Localized conditions may vary significantly.

# Meramec: Oil / Volatile Oil Windows

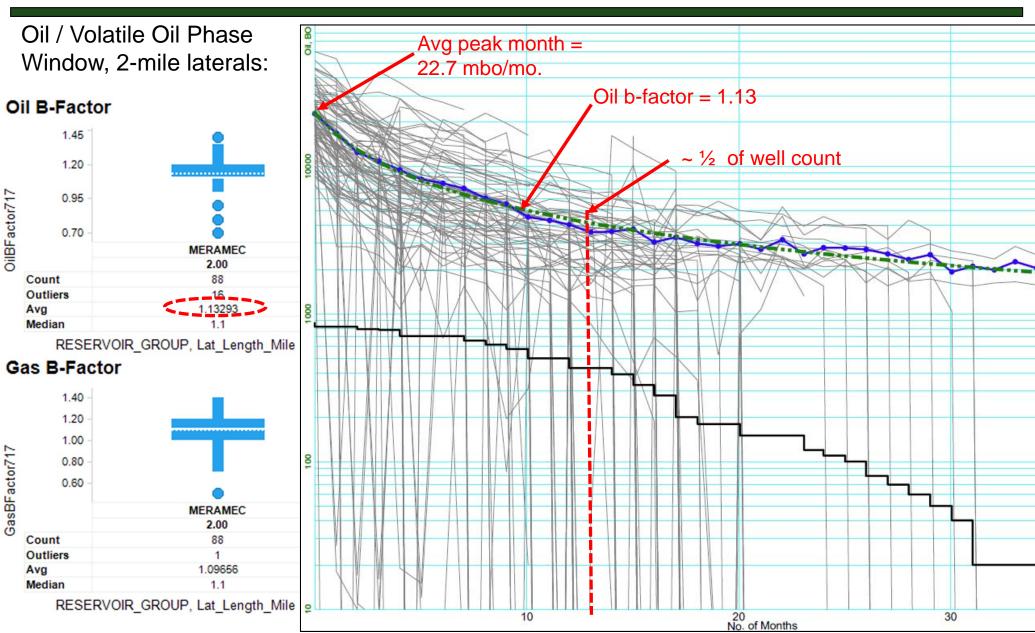






# Meramec: Decline Parameters





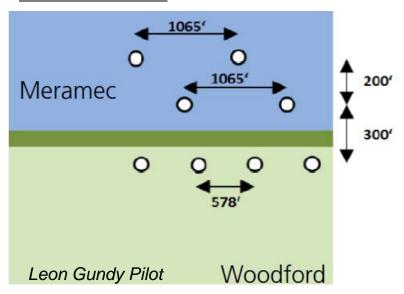


# What's Next?

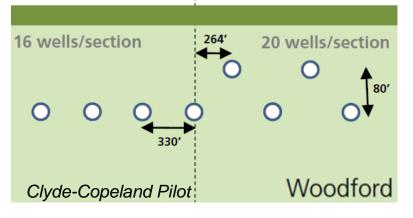
# 2017 Spacing/Density Pilots



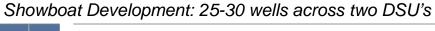
#### Cimarex - STACK

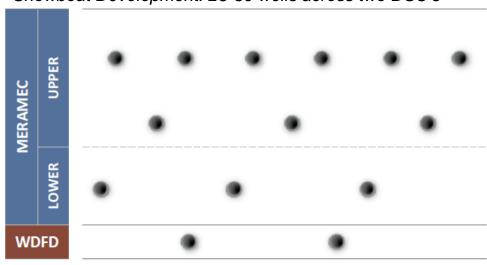


#### **Cimarex – Northern SCOOP / MERGE**



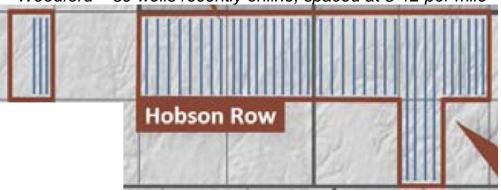
#### **Devon - STACK**





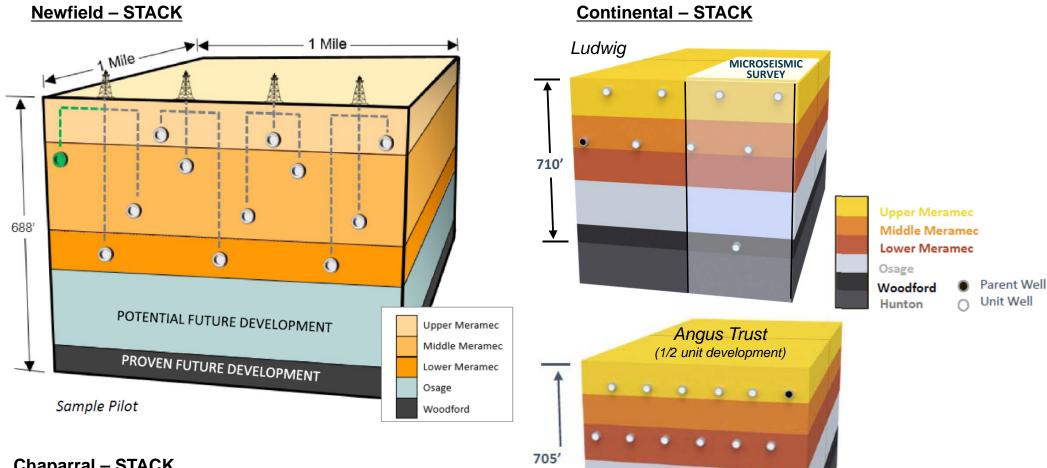
#### **Devon - STACK**

Woodford - 39 wells recently online, spaced at 8-12 per mile



# 2017 Spacing/Density Pilots





#### **Chaparral – STACK**

Oswego: 3 Osage: 6-12

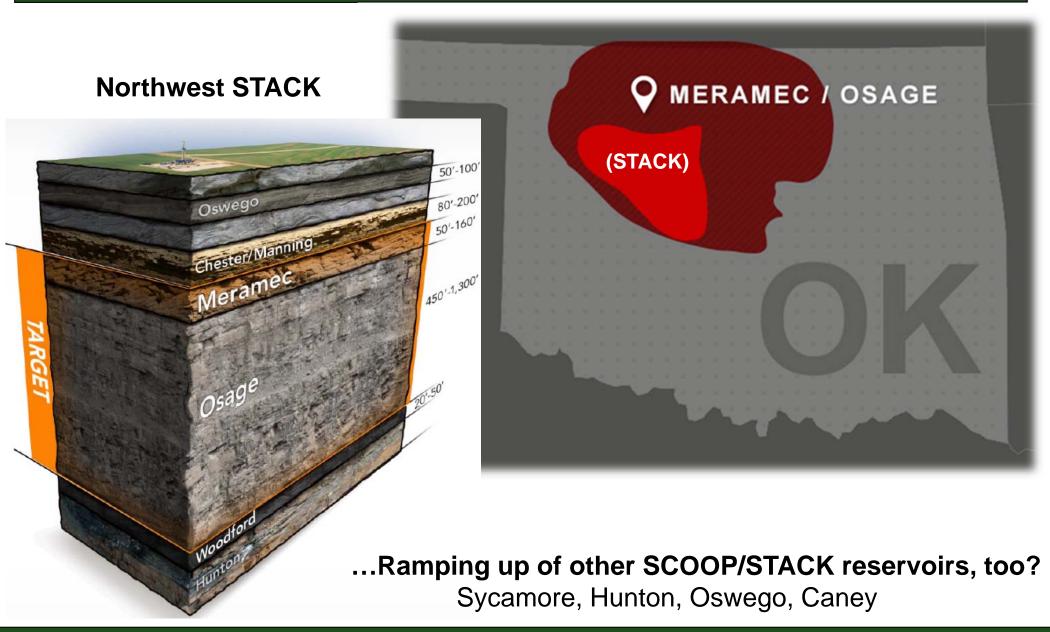
Meramec: 6-12

Woodford: 3-6

Total: 18-33 potential locations per section

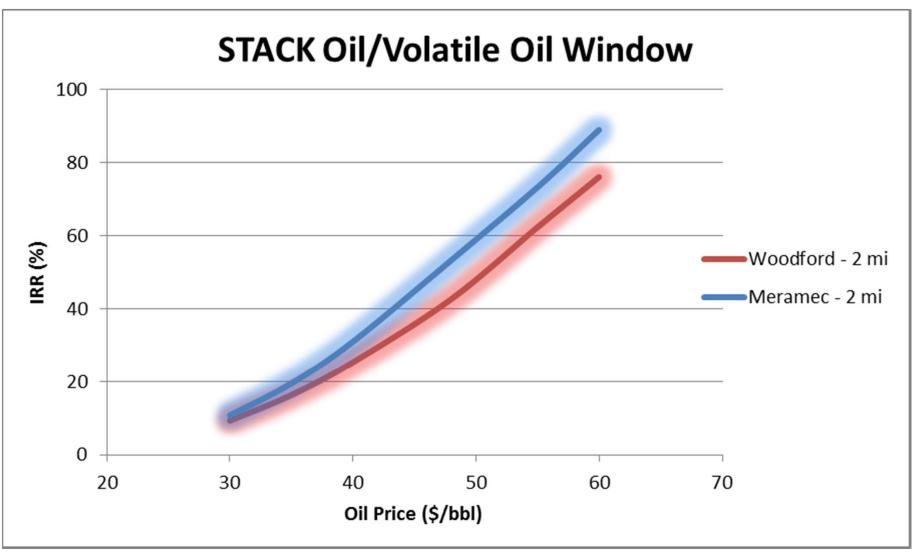
# Expansion of Meramec and Osage





# Price Sensitivity – What Lies Ahead?





Results shown are approximations based on 2-mile laterals and do not represent any particular operator. Economics may vary significantly situation to situation.



# Questions?

Steve\_Gardner@ryderscott.com