

Arkansas

SWN - Benson 27-22-1
IP: 706 BOPD + 2.1MMCFG
TD 9825' Vertical Well

Smackover /
Brown Dense

Haynesville Shale

Horizontal
Cotton Valley

Mississippi

Texas

Eagle
Ford

Tuscaloosa
Marine Shale

Goodrich
Blades 33H No.1
IP: 1250BOPD+115MCF

Austin Chalk

Deep Wilcox

Deep Tuscaloosa

Deep/Ultra Deep Play

PetroQuest
TD 21,000'
Thunder Bayou
Discovery

McMoran
TD 29390'
Highlander
Discovery
47MMCFD

Chevron
TD 25505'
Bear's Hump

Chevron
TD 29426'
Lineham Creek
Discovery

Gulf of Mexico

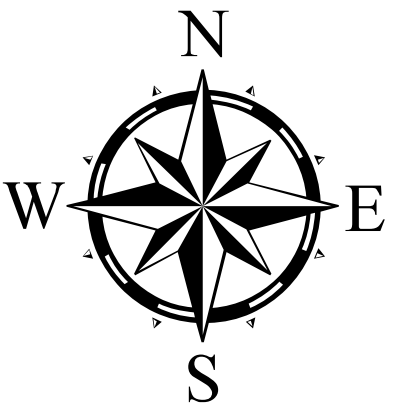
LOUISIANA

Office of Mineral Resources

Unconventional Resource Plays

&

Recent Discoveries



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Universal Transverse Mercator Zone 1
North American Datum 1983

Scale 1 : 500,000

0 5 10 20 30 40 50
Miles

Active 3D Seismic Surveys

Active State Lease

TMS UNITS

HAYNESVILLE SHALE UNITS

Austin Chalk

Horizontal Cotton Valley

Deep Wilcox

Deep/Ultra Deep Play

Tuscaloosa Marine

Deep Tuscaloosa

Haynesville

Smackover

TMS Wells

Temporary Abandonment

Wells

Drilling or Completing Well

Location

P & A Well

Productive Well

These outlines are only the interpretation by the Office of Mineral Resources of the unconventional resource play areas which may have potential in the State of Louisiana, but should not be taken as the only interpretation of unconventional resource play areas.