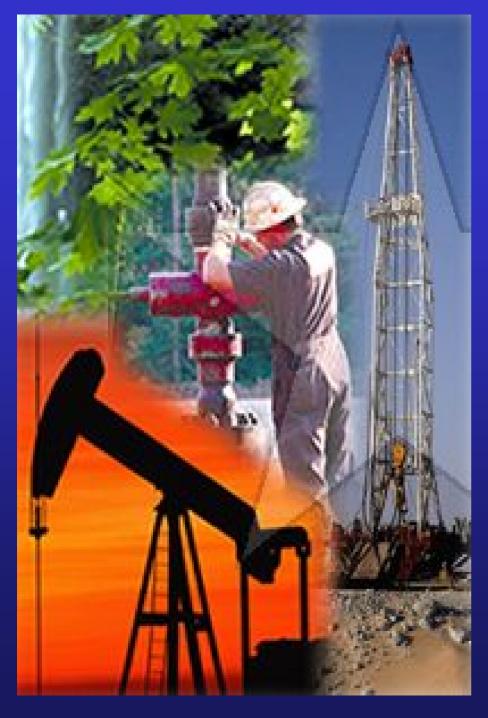


Barnett Shale Update

Commissioner Victor G. Carrillo
Texas Railroad Commission
Platts Shale Developer Conference
June 5, 2008 – Houston, TX



Texas Railroad Commission

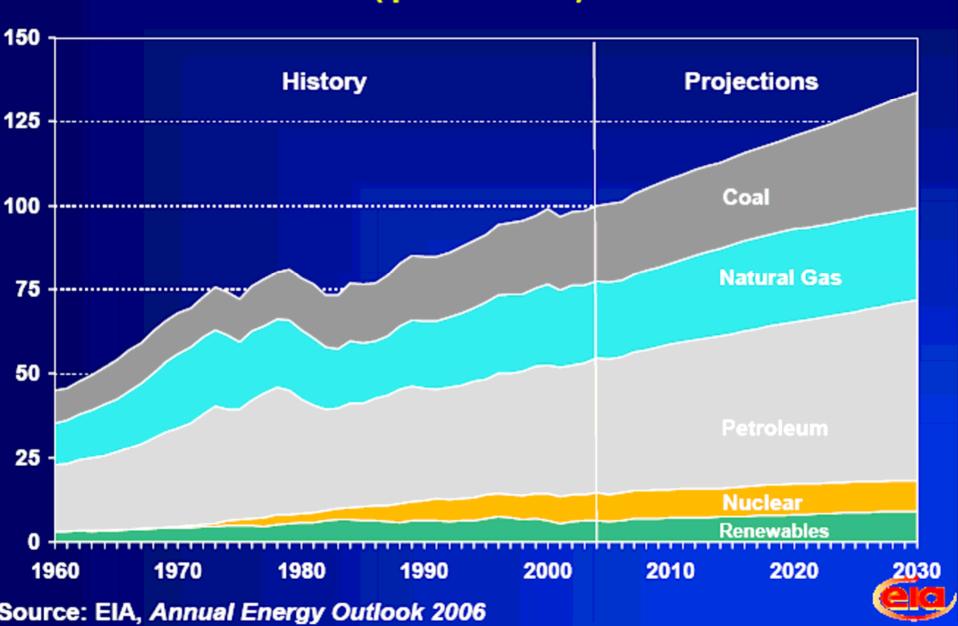
- Established: 1891
- 3 statewide elected officials
- No rail issues since 2005
- Regulate:
 - oil & gas
 - pipelines
 - surface mining
 - natural gas utilities
- "TX Energy Commission"



U.S. Congressman Joe Barton Energy & Commerce Committee Principal author, EPACT 2005

"There is <u>no greater issue</u> facing our world over the next century than <u>energy</u>."

U.S. Primary Energy Consumption by Fuel, 1960-2030 (quadrillion Btu)



U.S. oil imports ~ 60%!



Oil: \$130+ Natural Gas: \$12+/Mcf
How high will it go?

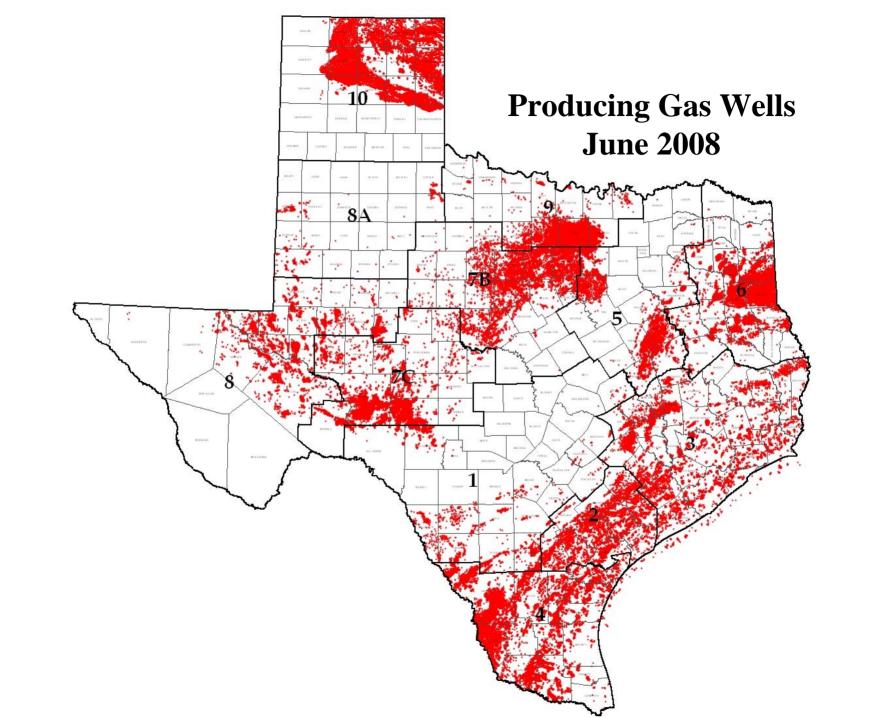


2007 U.S. Consumption: 23 Tcf

- U.S. much less dependent on natural gas imports
- U.S. imports ~ 20% of natural gas

TX Produced 7.0 Tcf

- 38% of U.S. domestic production
- 30% of U.S. consumption
- Without TX, U.S. would import > 50% nat. gas





TEXAS OVERVIEW

"Mature" Producing Province:

~ 7,100 active operators

Total Active Producing Wells:

152,657 oil

#1 producer of oil & natural gas in the U.S

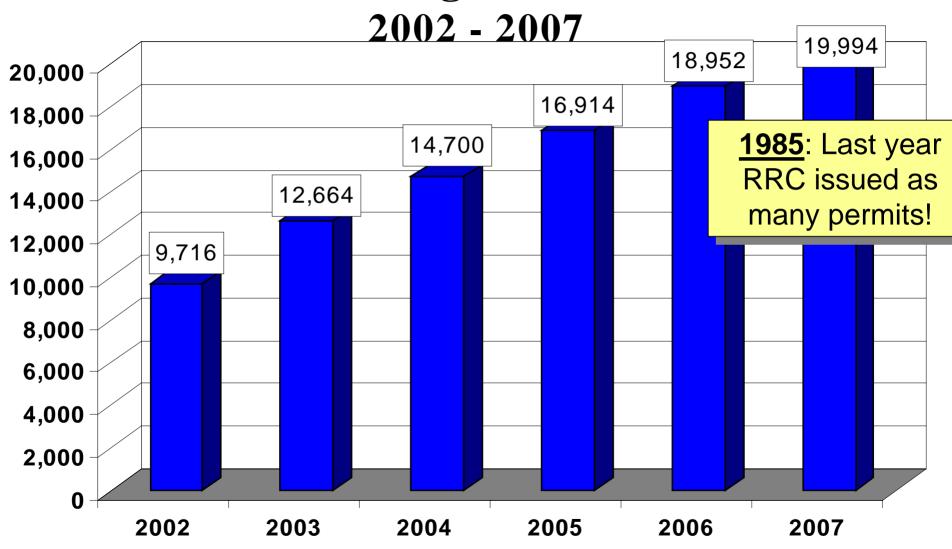
~340 million barrels oil (2007)

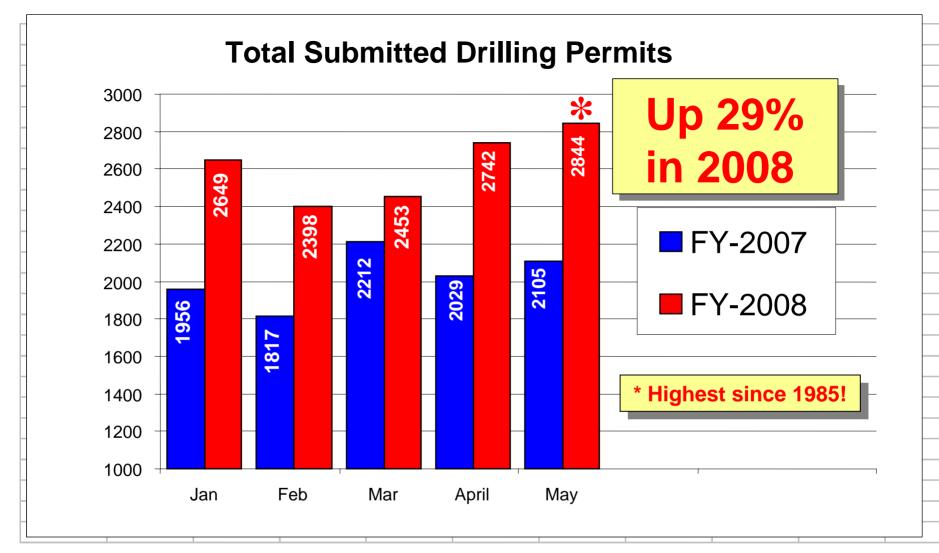
88,025 natural gas

~ 7.0 Tcf natural gas (2007)

- Largest pipeline infrastructure in nation
- 26% total U.S. refinery capacity
- Oil & gas & petrochemicals = \$100 billion+ industry in TX

Texas Drilling Permits Issued

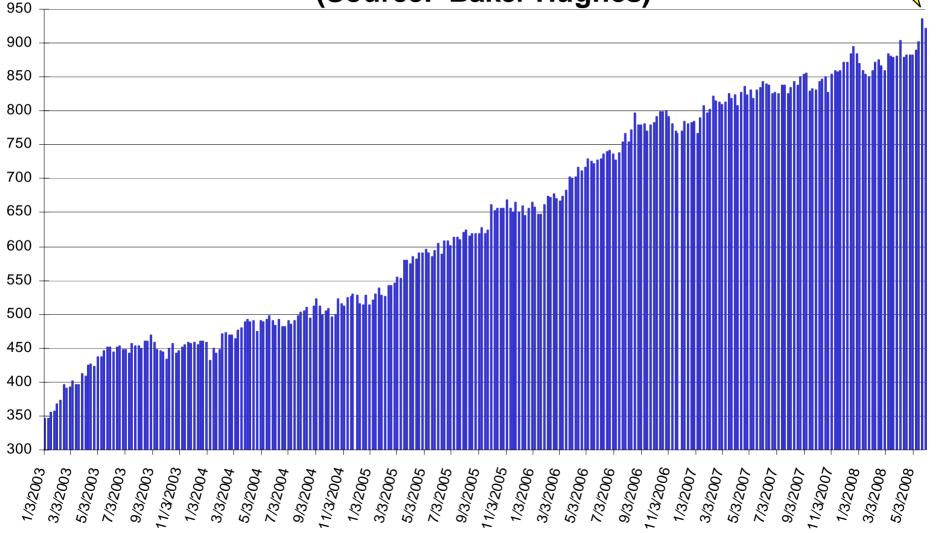




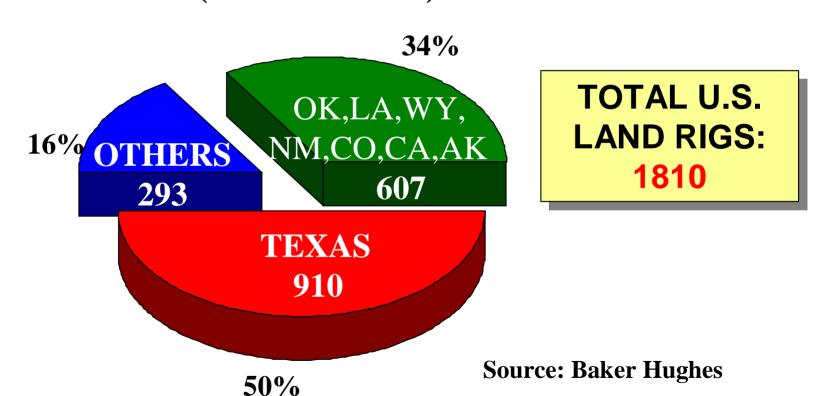
- Process Time:
 - Expedited -- 13 days
 - Non-Expedited -- 40 days
- •2,514 Drilling Permits pending (early June, 2008)

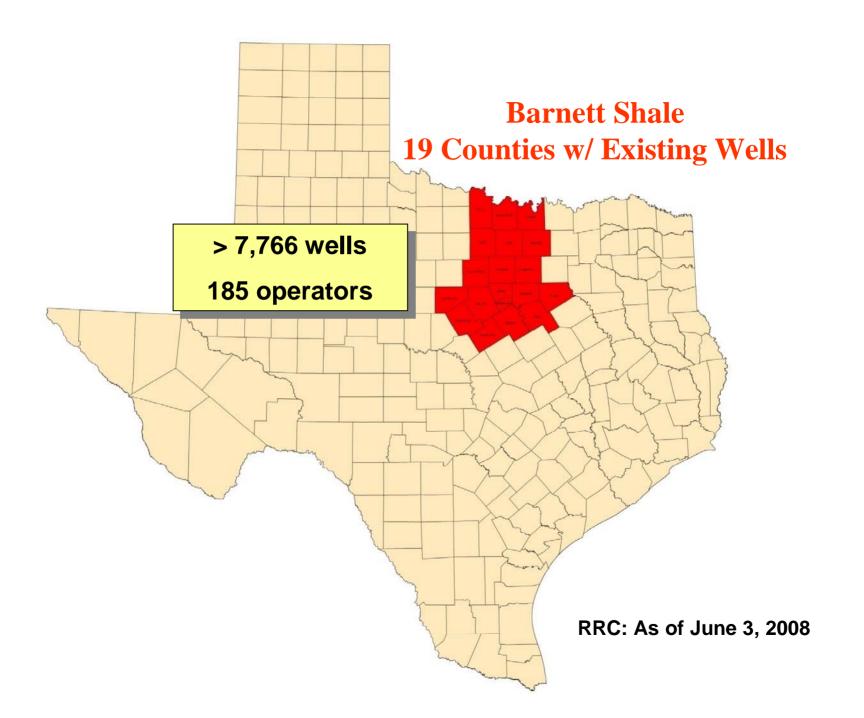
Texas Active Rig Count January 2003 -- May 2008 (Source: Baker Hughes)

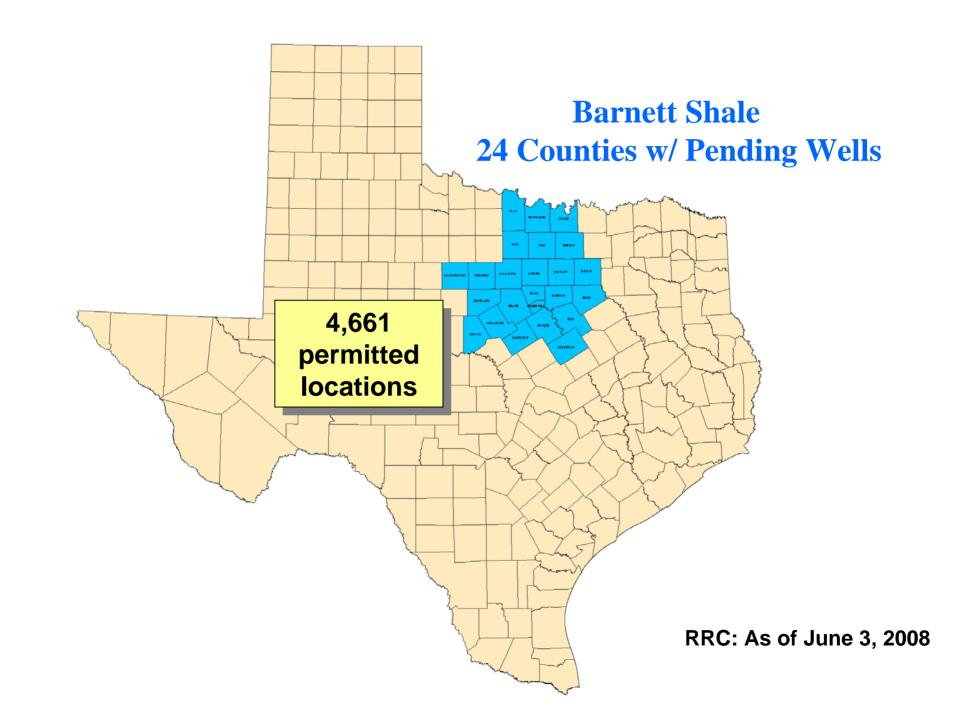
921 TX Rigs (May 30, 2008)



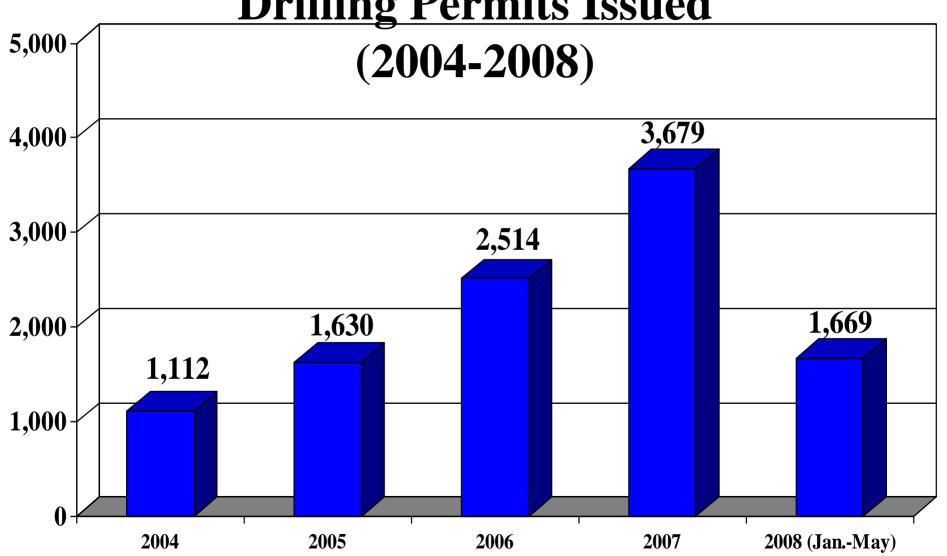
Total U.S. Land Rig Activity (05/30/08)



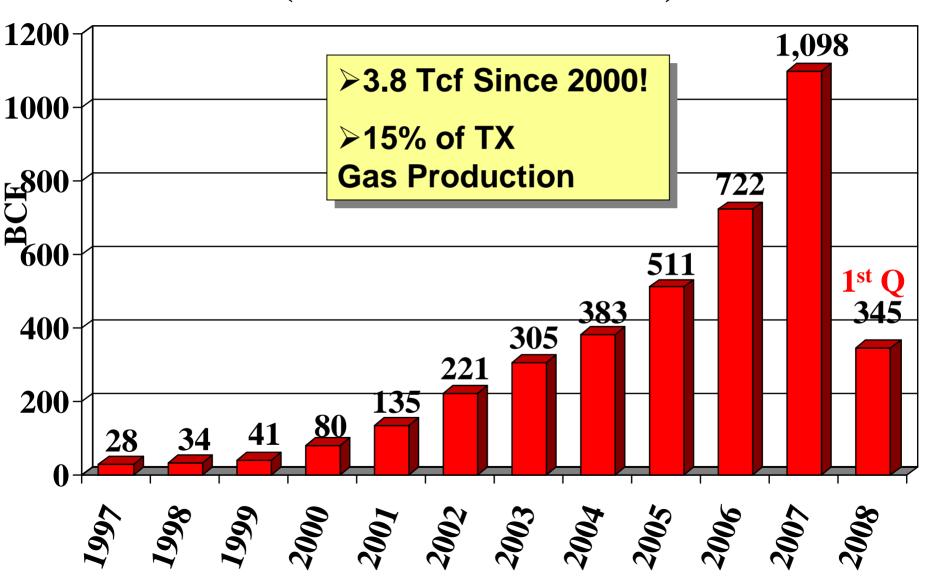




Barnett Shale
Drilling Permits Issued



Barnett Shale Natural Gas Production (1997- March 2008)



Top 10 Barnett Shale Operators: 1st Q 2008

Operator	Gas Produced (BCF)
Devon Energy Production Co., L.P.	74
XTO Energy Inc.	30
Chesapeake Operating, Inc.	23
EOG Resources, Inc.	18
Encana Oil & Gas (USA) Inc.	11
Burlington Resources O&G Co. LP	8
Range Production Company	6
Quicksilver Resources Inc.	3
Carrizo Oil & Gas, Inc.	3
Denbury Onshore, LLC	3



Barnett Shale Trend

- Unconventional shale gas
- Technology driven
 - horizontal drilling
 - hydraulic fracturing
 - multi-well drills
- 20+ counties
- 185 operators
- USGS: ~26 Tcf

Perryman Study: 100,000+ jobs \$10+ billion annual output

