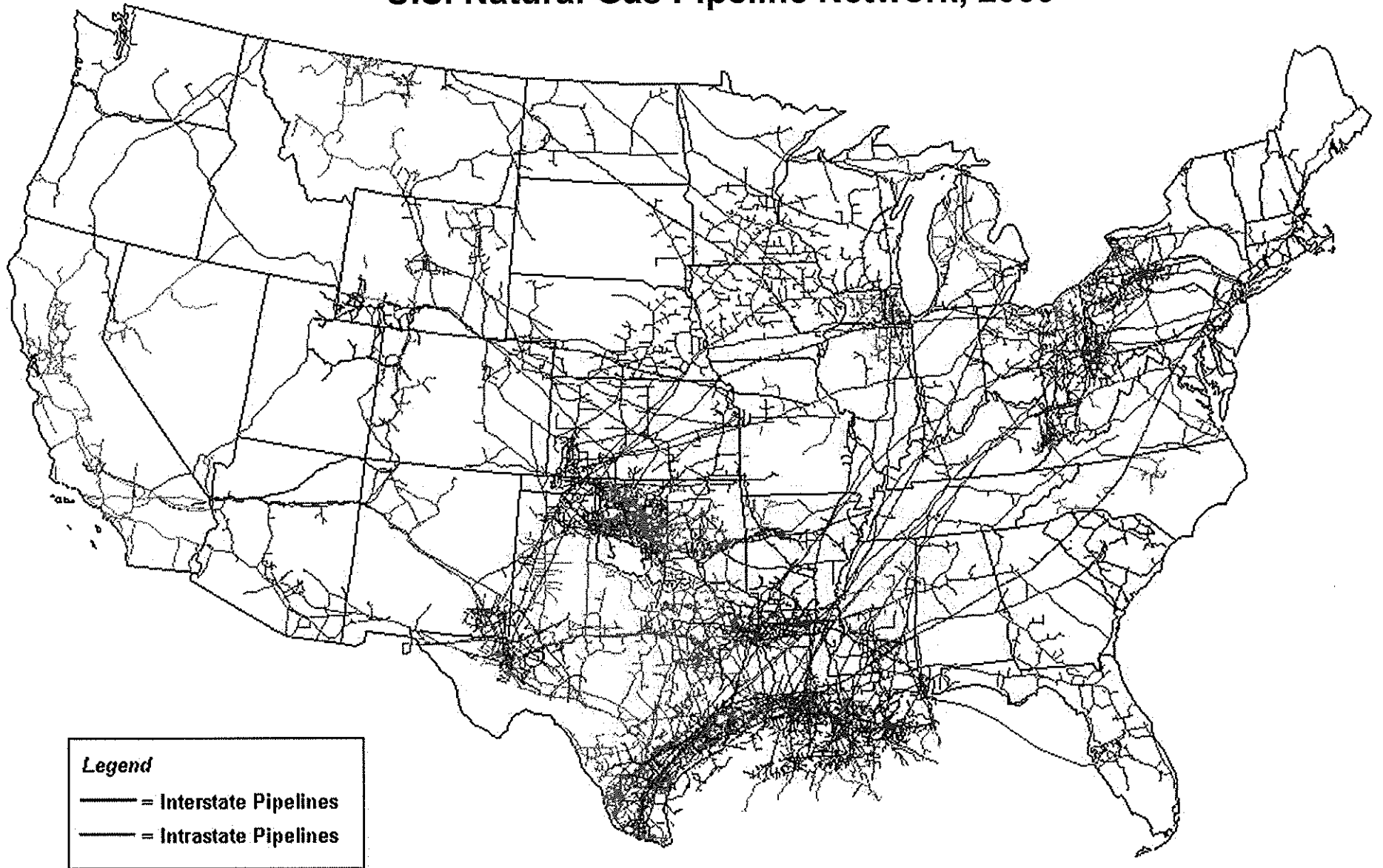


# Pipelines and Underground Storage

Senate Utilities Committee  
January 28, 2013

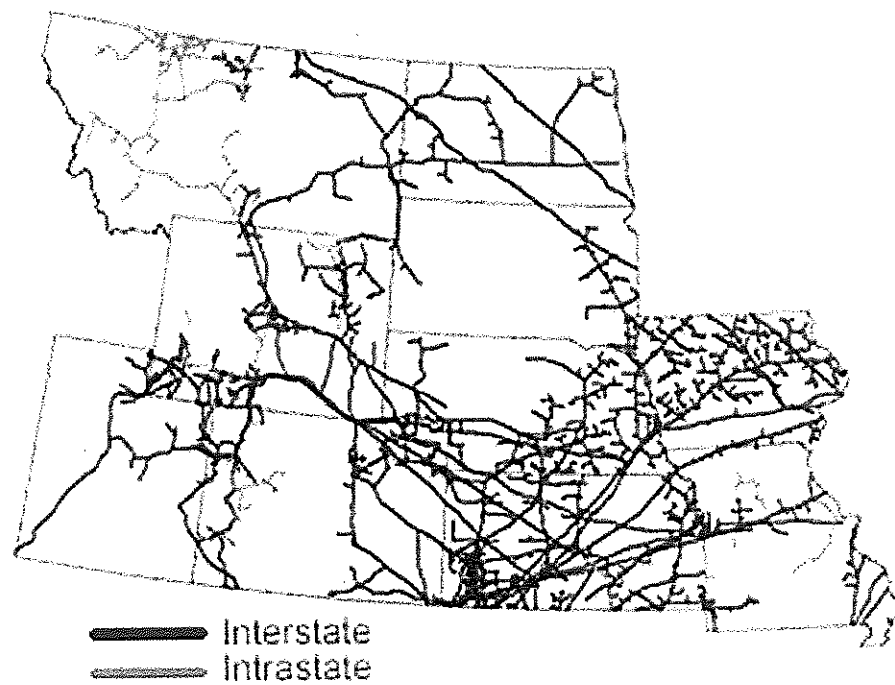
Presented by:  
Ron Gaches  
Gaches Braden and Associates

## U.S. Natural Gas Pipeline Network, 2009

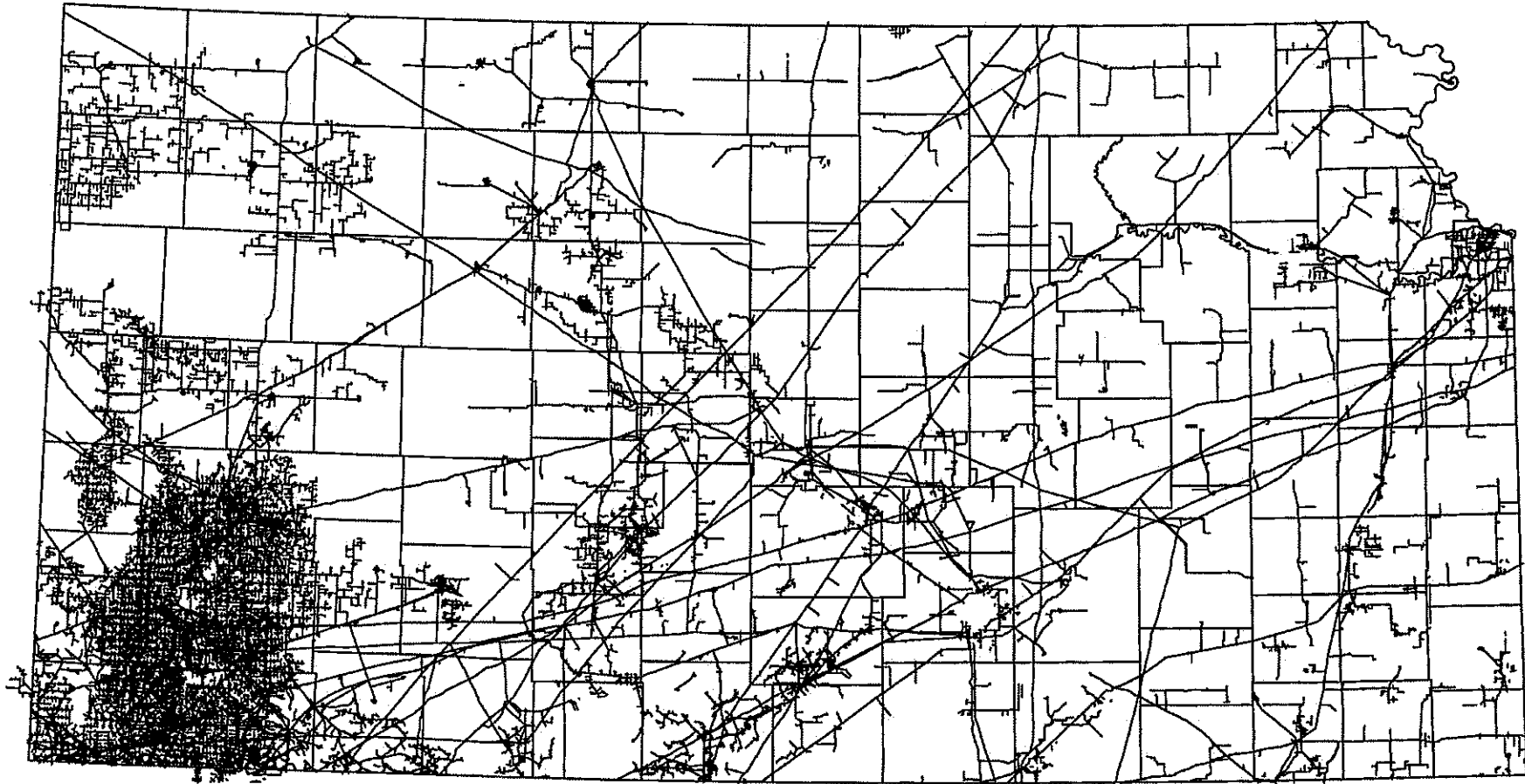


Source: Energy Information Administration, Office of Oil & Gas, Natural Gas Division, Gas Transportation Information System

## Central Region Natural Gas Pipeline Network

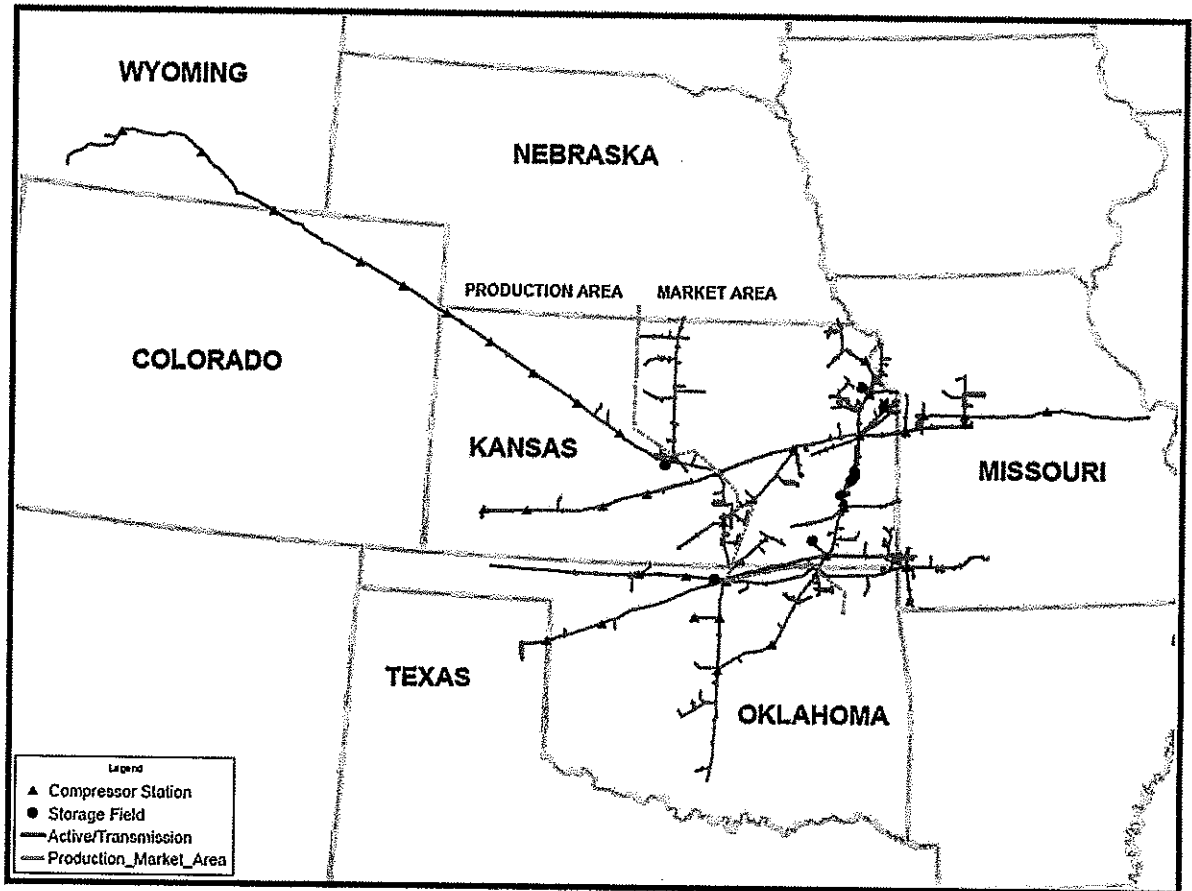


# Natural Gas Pipelines in Kansas



# Southern Star Pipeline System

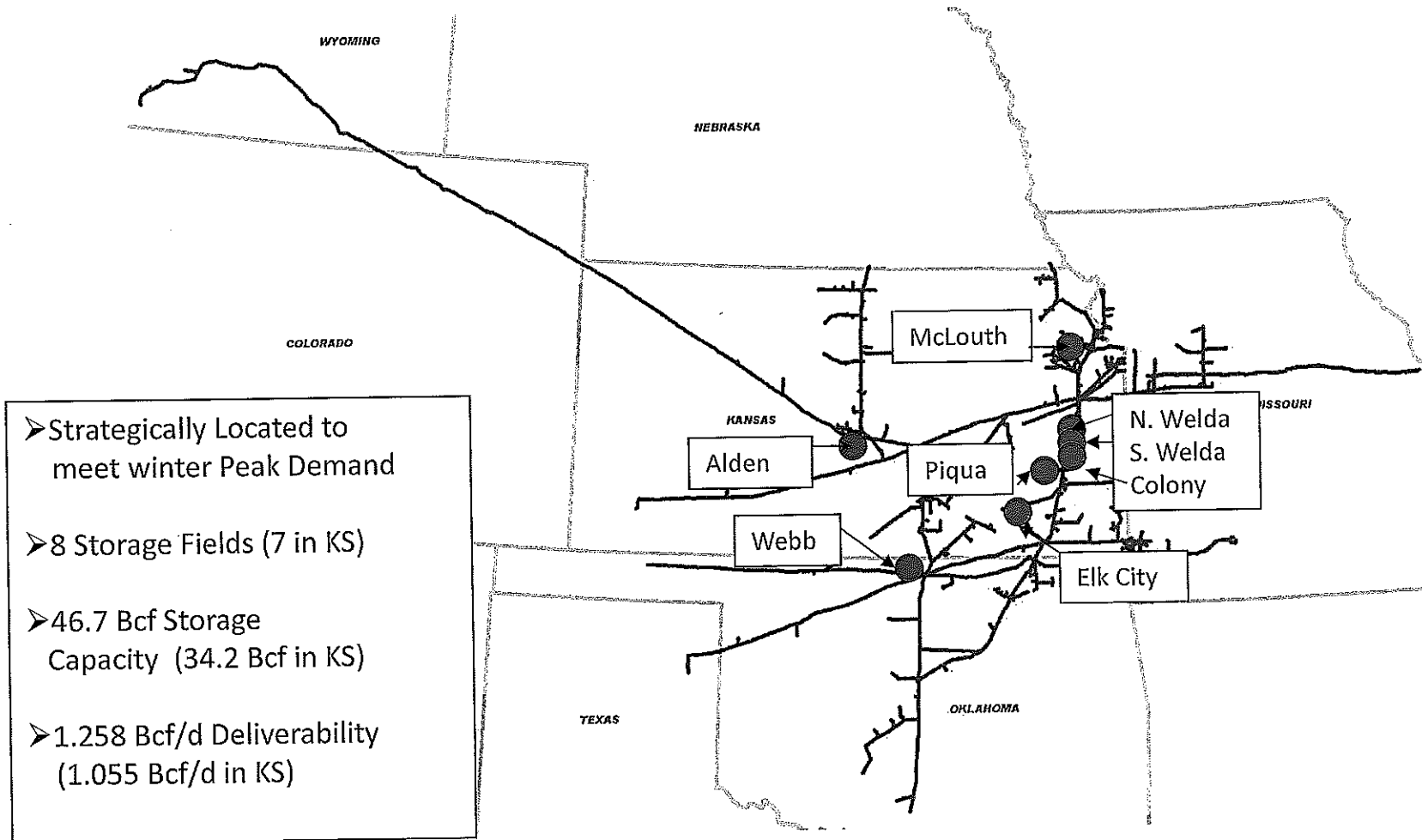
- System Capacity: 2.4 Bcf/d
- Storage Working Gas Capacity: 46.7 Bcf
- Supply: Mid-Continent, Rocky Mountain Region, San Juan Basin, Permian Basin
- Pipeline Interconnects: 23
- Operating Locations: CO, KS, MO, NE, OK, TX, WY
- Compressor Stations: 40
- Miles of Pipeline: 5,862.69
- Major Markets
  - Kansas City, Topeka, Wichita & Lawrence, Ks
  - Kansas City, Springfield, Joplin, St. Joe & St. Louis, Mo.



# **Southern Star - Kansas Footprint**

- **Assets in 67 Kansas counties.**
- **Kansas Assets GBV = \$717.6M NBV = \$378.5M at January 1, 2012.**
- **Property Taxes Paid in Kansas = \$11.4M in 2012.**
- **Number of Employees in Kansas = 181.**
- **Payroll of Kansas Employees = \$12.8M.**
- **Annual Payroll Taxes in Kansas = \$0.55M.**

# Southern Star Gas Storage Fields



# Southern Star Pipeline System

	<u>Bcf</u>
<b>2012 Total Transportation Receipts</b>	<b>344.6</b>
<b>2012 Kansas Production Transported</b>	<b>139.6</b>
<b>Kansas Percentage</b>	<b>41%</b>
<b>2012 Total Transportation Deliveries</b>	<b>330.6</b>
<b>2012 Deliveries in Kansas</b>	<b>196.6</b>
<b>Kansas Percentage</b>	<b>59%</b>










# RESERVOIR STORAGE FIELDS IN THE STATE OF KANSAS

Approximate Locations

Fields Sorted by Working Gas Capacity

YEAR	STATE	Company Name	Field Name	Reservoir Name	County Name	Working Gas (Mcf)	Field Capacity (Mcf)	Max Deliverability (Mcf)
2009	KS	Northern Natural Gas Company	Cunningham	Viola Simpson		40916000	62000000	720000
2009	KS	Southwest Gas Storage Company	Borchers North	Morrow	Meade	28372187	63453413	350000
2009	KS	Northern Natural Gas Company	Lyons	Arbuckle	Rice	8000000	24000000	130000
2009	KS	Southern Star Central Gas Pipeline	Elk City	Burgess	Elk/Chautaugua/h	7800000	30700000	229000
2009	KS	Southern Star Central Gas Pipeline	South Welda	Colony	Anderson	6700000	18300000	156000
2009	KS	Colorado Interstate Gas Company	Boehm	Morrow "g" And Keyes	Morton	5229000	12729000	124321
2009	KS	Southern Star Central Gas Pipeline	Colony	Colony	Anderson	4600000	12700000	149000
2009	KS	Southern Star Central Gas Pipeline	North Welda	Colony	Anderson	4400000	13300000	107000
2009	KS	Southern Star Central Gas Pipeline	Alden	Misener	Rice	4200000	14700000	134000
2009	KS	Atmos Energy Corporation	Liberty North	Squirrel	Montgomery	2850000	4850000	25000
2009	KS	Southern Star Central Gas Pipeline	McLouth	McClouth	Jefferson/Leaven	2200000	14100000	224000
2009	KS	Mid Continent Market Center	Brehm	Simpson	Pratt	1989000	3884670	35000
2009	KS	Mid Continent Market Center	Konold	Langdon Sand	Pratt	630000	955000	10000
2009	KS	Atmos Energy Corporation	Liberty South		Montgomery	387000	687000	500
2009	KS	Southern Star Central Gas Pipeline	Piqua	Colony	Woodson/Allen	300000	3200000	16000
2009	KS	Cherokee Wells Llc	Buffalo	Buffalo	Wilson	180000	360000	3000
2009	KS	Cherokee Wells Llc	Fredonia		Wilson	160000	360000	3000

-  Northern Natural Gas
-  Southwest Gas Storage
-  Southern Star
-  CIG
-  Midcontinent Market Center
-  Atmos
-  Cherokee Wells LLC

