

# New Albany Shale Gas in Indiana

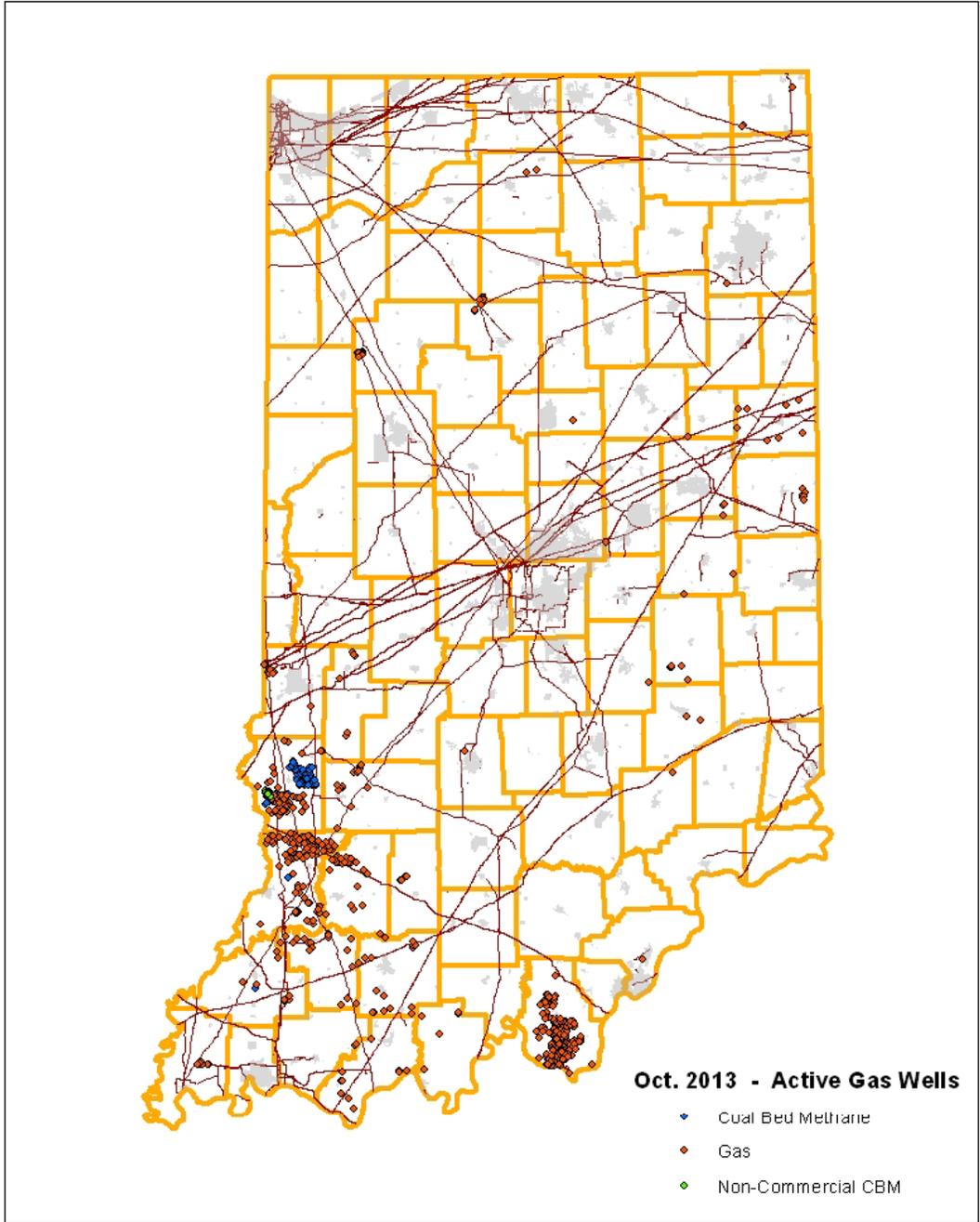


Mona Nemecek, Manager, Technical Services  
Indiana Division of Oil and Gas

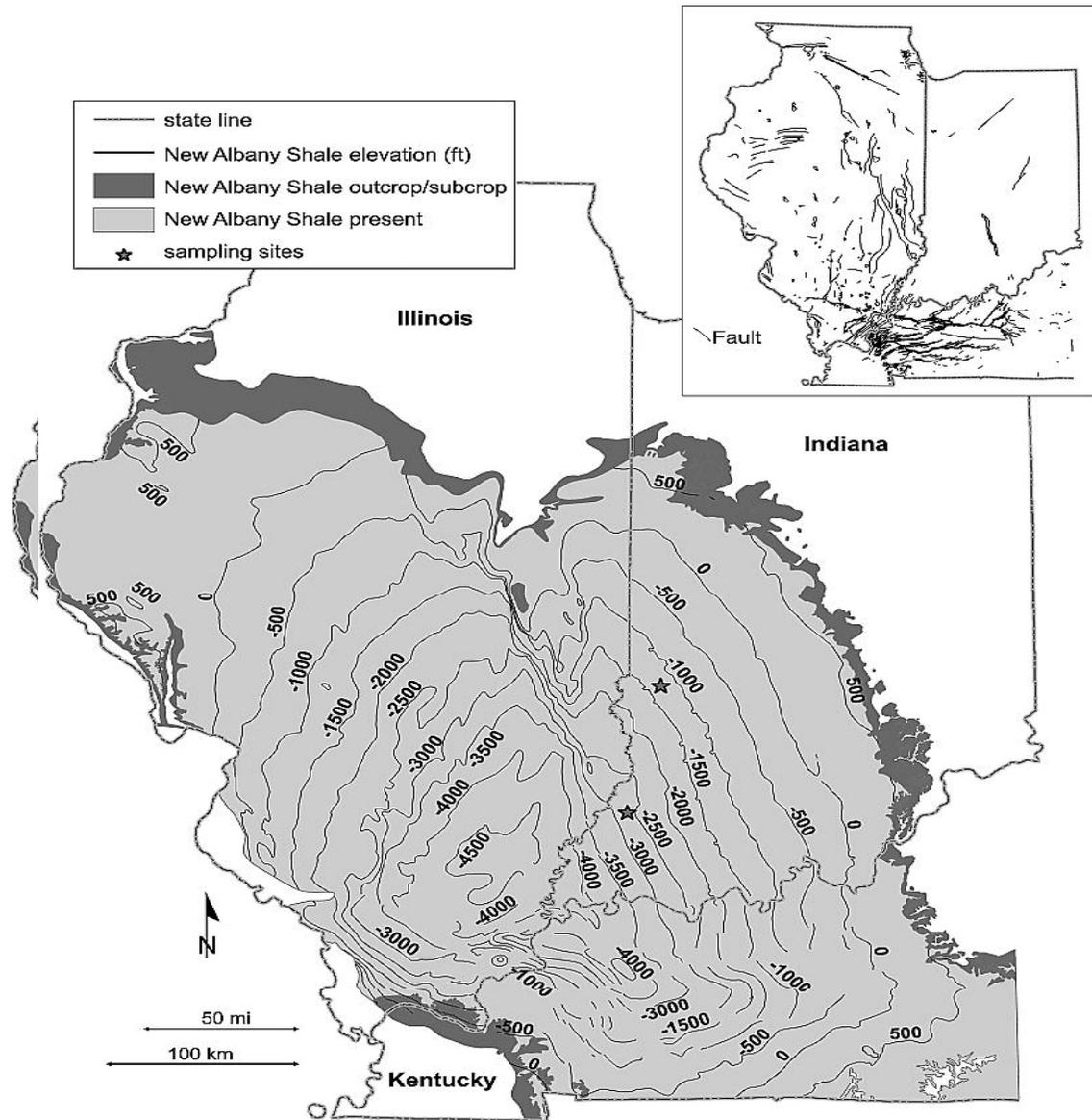
**Mission Statement:** *The Indiana Division of Oil and Gas is committed to encouraging the responsible development of Indiana's oil and gas resources in a manner that will: prevent waste, encourage the greatest economic recovery of oil and gas, protect the correlative rights of owners, protect human health and safety, and protect the environment.*

Our Commitment: To be **Firm** where we need to be; **Flexible** where we can; and **Fair** in everything we do.

Indianapolis, IN  
November 4, 2013



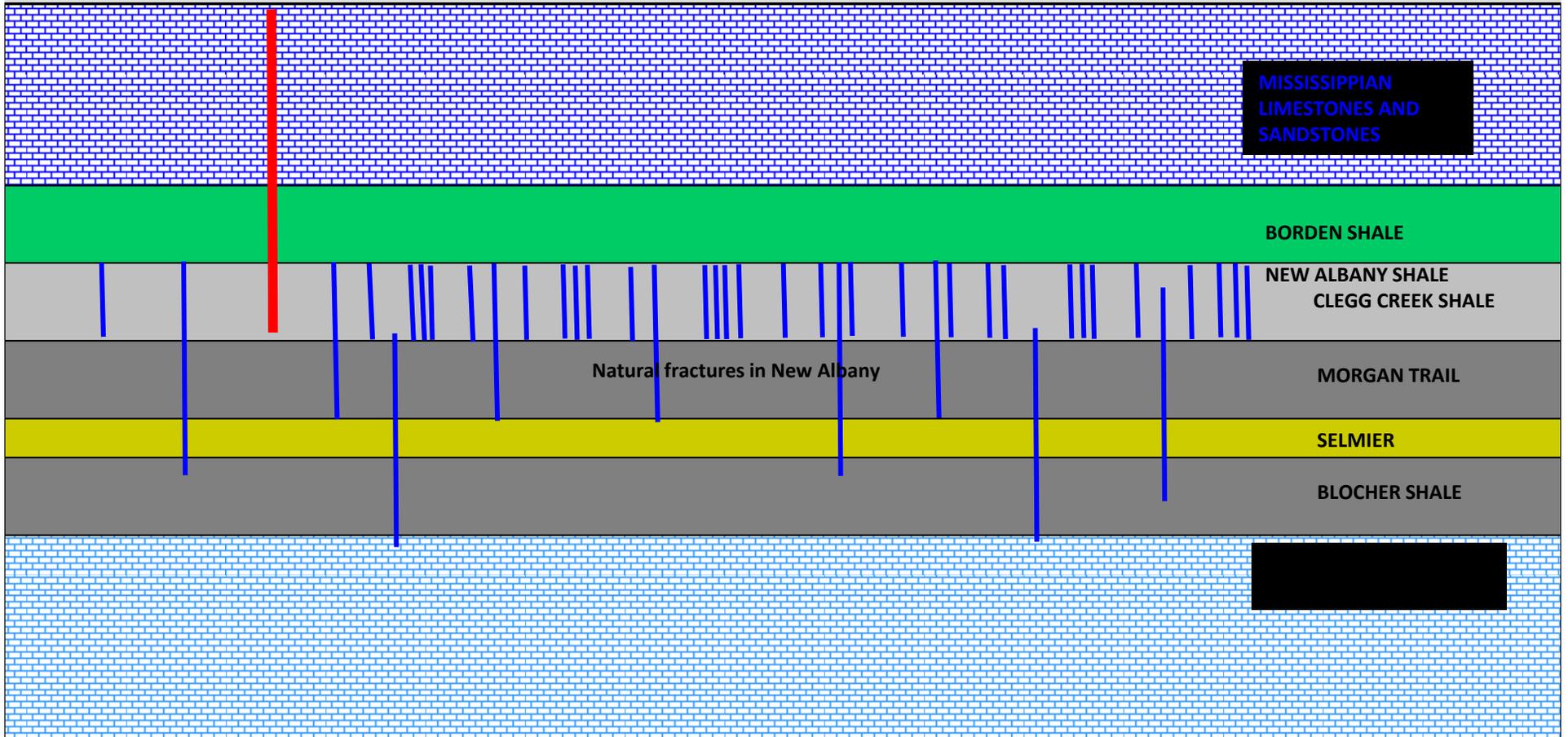
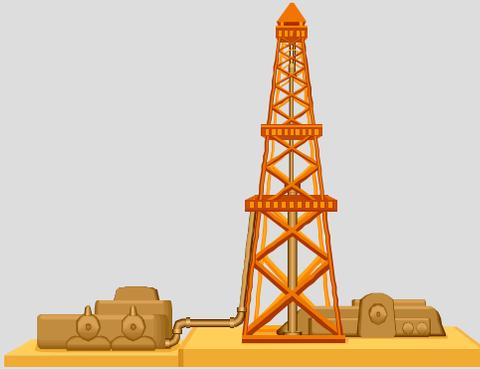
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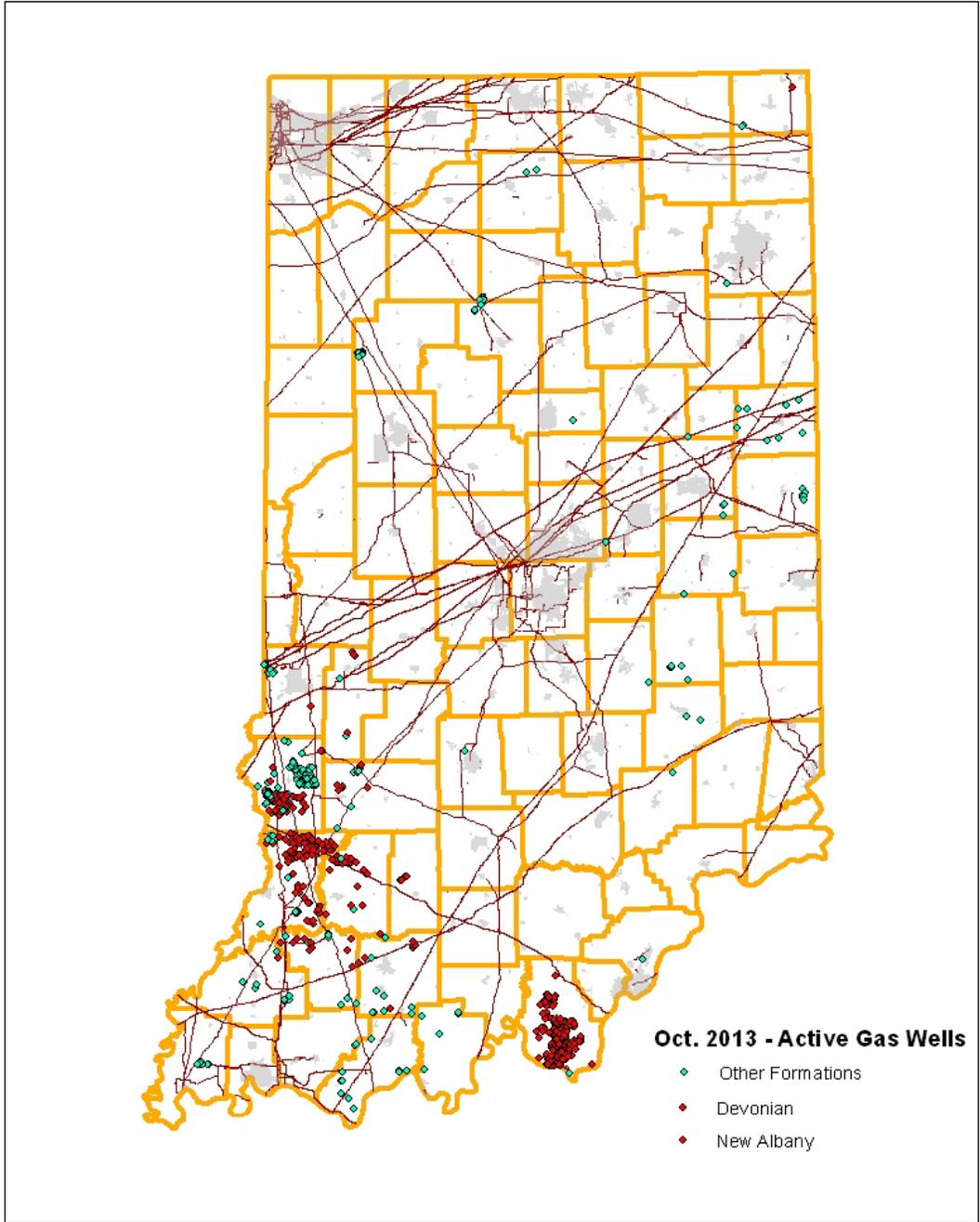


AAPG Bulletin V.94, No. 11, November 2010. **Geochemical constraints on the origin and volume of gas in the New Albany Shale (Devonian–Mississippian), eastern Illinois Basin**

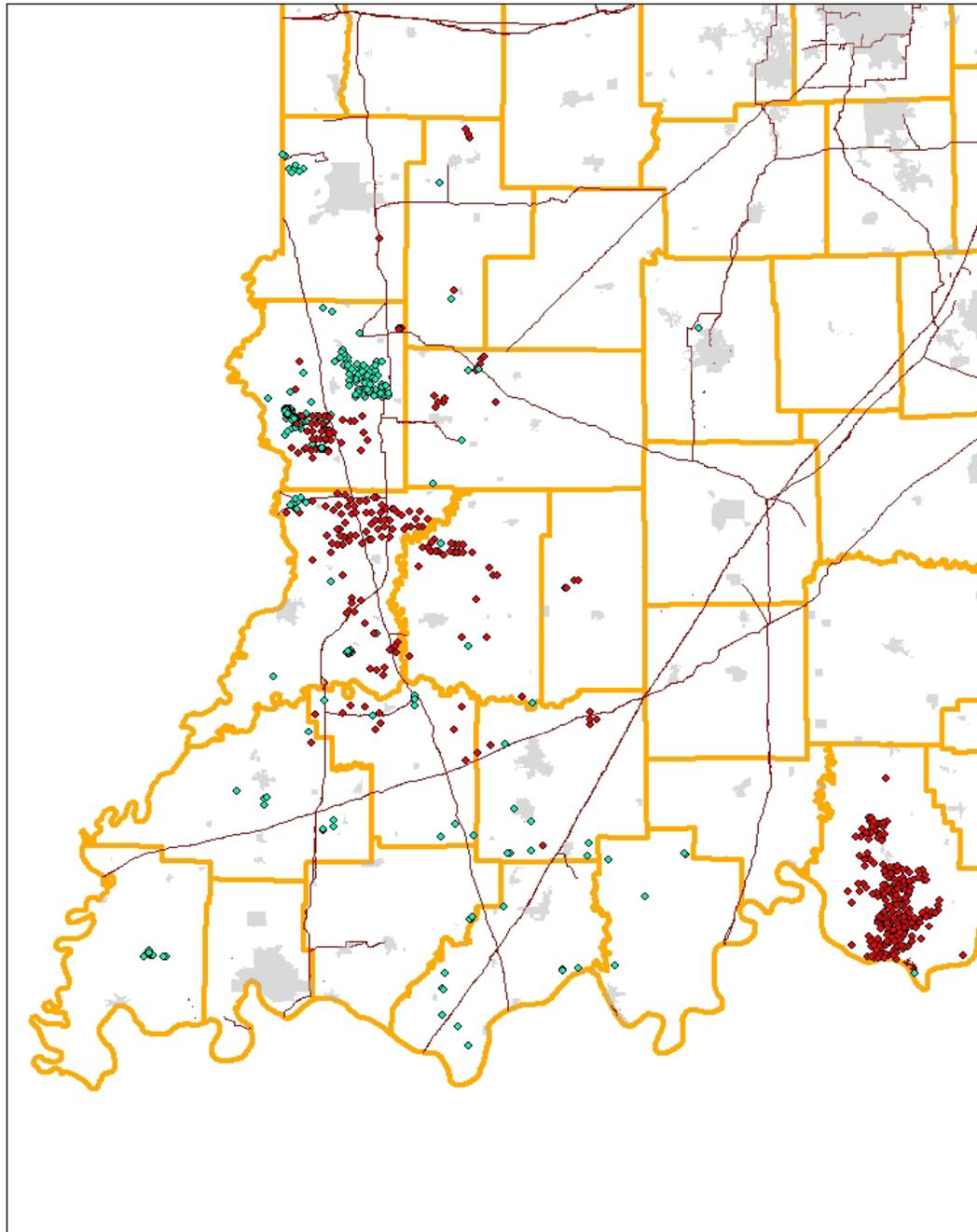
**Dariusz Strapoc, Maria Mastalerz, Arndt Schimmelmann, Agnieszka Drobniak, Nancy R. Hasenmueller**

# Example Vertical New Albany Well



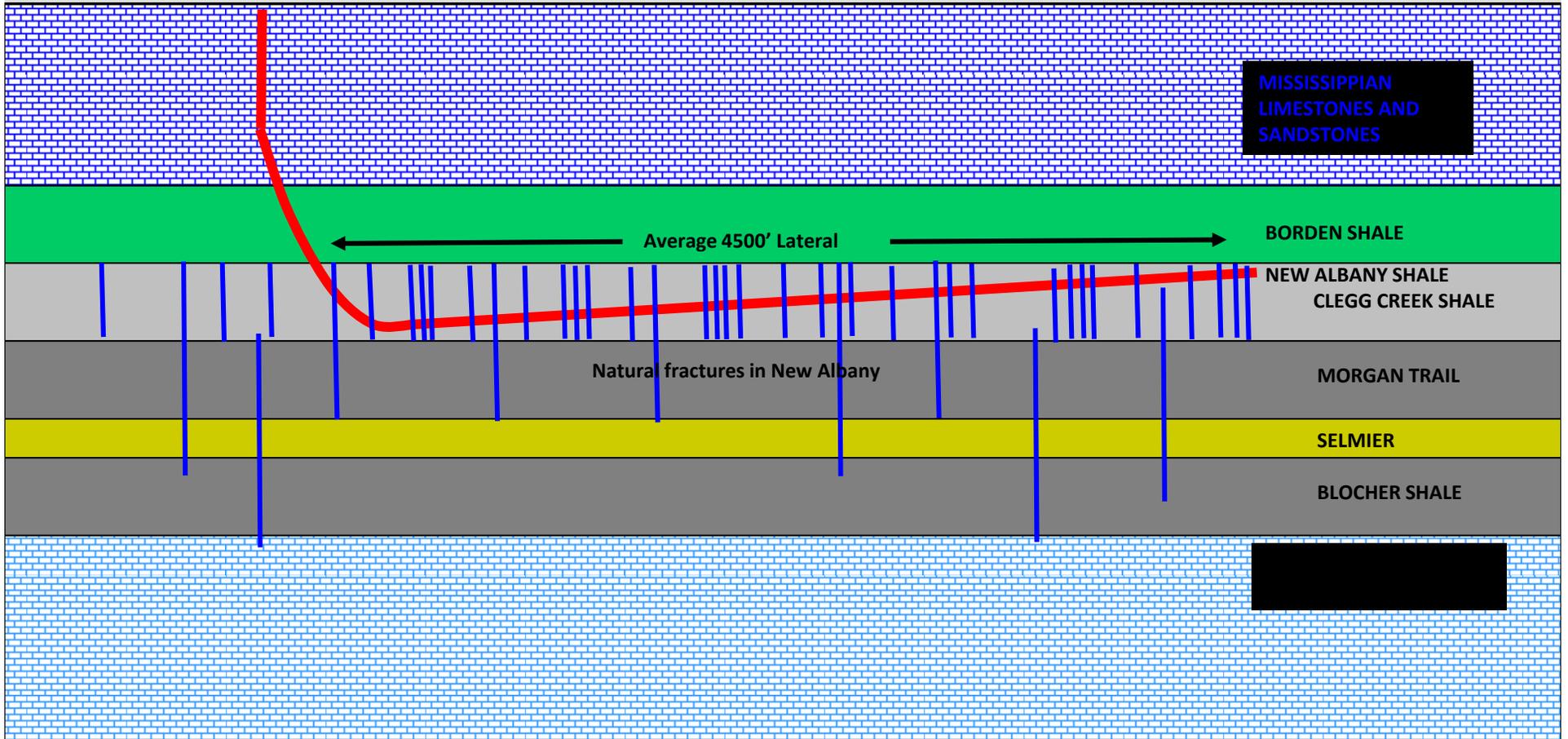
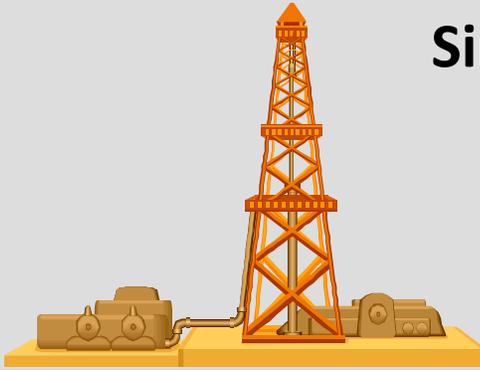


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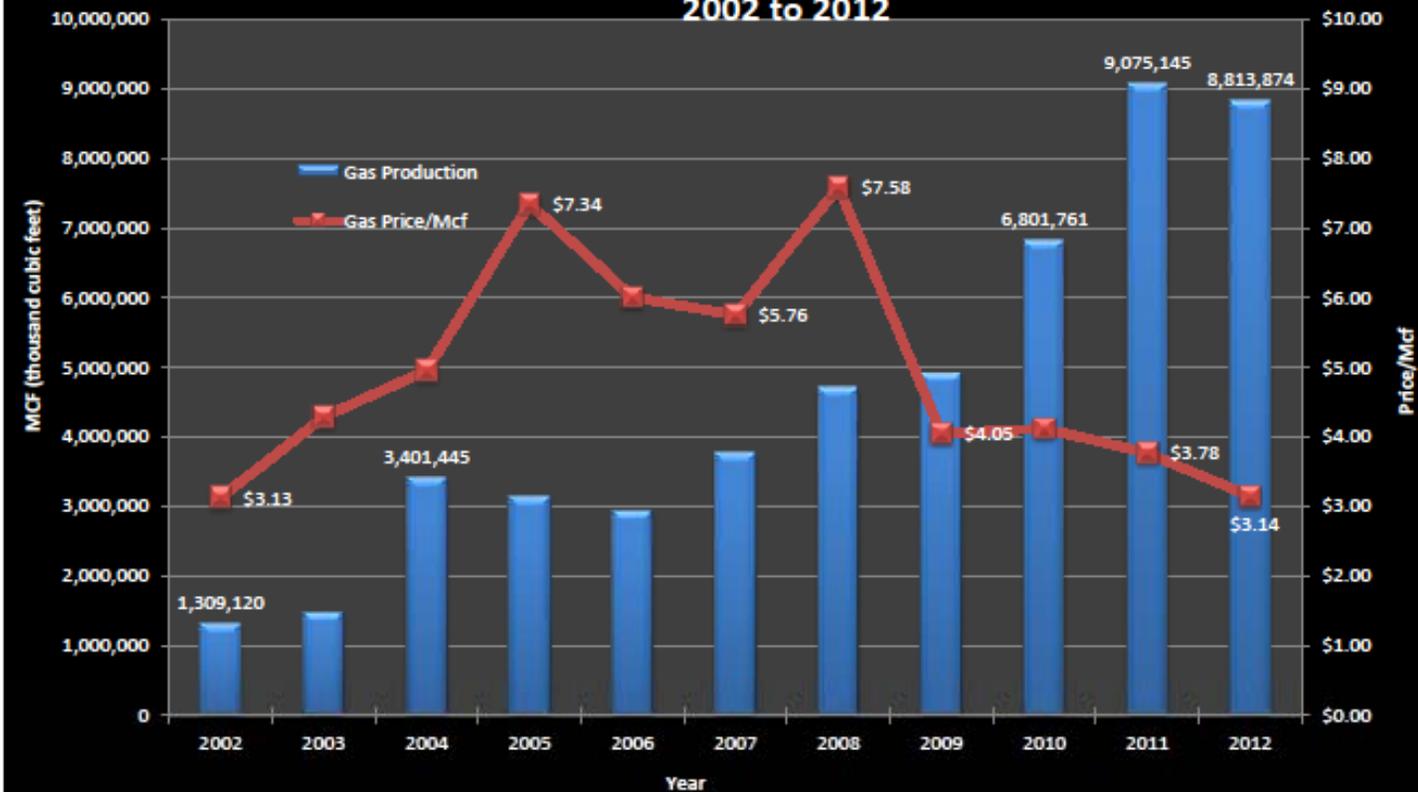


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# Typical New Albany Single Lateral Horizontal Well



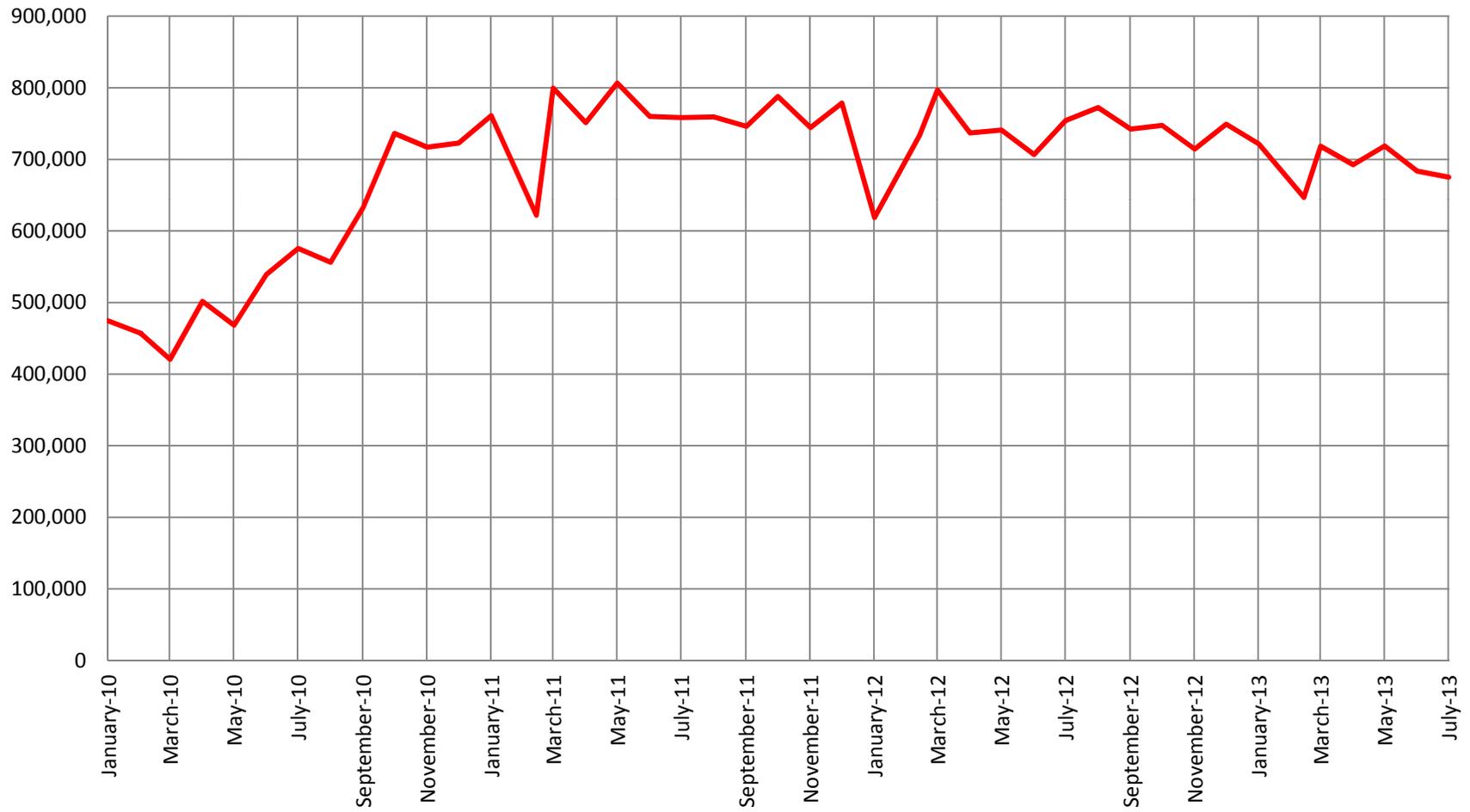
### Indiana Gas Production and Average Yearly Price 2002 to 2012



Production\_Data

Year	Total Oil Production	Total Gas	Total Oil Severance	Total Gas Severance	Total Severance	\$Oil/Bbl	\$Gas/Mcf
2000	2,064,144	899,000	\$674,388.52	\$40,180.69	\$714,569.21	\$32.67	\$4.47
2001	2,022,803	1,063,673	\$517,518.45	\$54,824.09	\$572,342.54	\$25.58	\$5.15
2002	1,962,078	1,309,120	\$525,809.68	\$40,998.11	\$566,807.79	\$26.80	\$3.13
2003	1,709,756	1,464,372	\$527,168.12	\$62,837.51	\$590,005.63	\$30.83	\$4.29
2004	1,755,427	3,401,445	\$675,816.99	\$168,735.33	\$844,552.32	\$38.50	\$4.96
2005	1,727,220	3,134,583	\$888,730.93	\$230,117.89	\$1,118,848.82	\$51.45	\$7.34
2006	1,773,228	2,920,982	\$1,039,214.85	\$175,630.87	\$1,214,845.72	\$58.61	\$6.01
2007	1,726,553	3,781,974	\$1,140,451.66	\$217,679.63	\$1,358,131.29	\$66.05	\$5.76
2008	1,858,311	4,701,382	\$1,722,804.51	\$356,549.39	\$2,079,353.90	\$92.71	\$7.58
2009	1,803,982	4,927,163	\$1,013,619.04	\$199,741.01	\$1,213,360.05	\$56.19	\$4.05
2010	1,835,292	6,801,761	\$1,348,196.57	\$280,577.27	\$1,628,773.84	\$73.46	\$4.13
2011	1,987,281	9,075,145	\$1,759,543.64	\$342,627.64	\$2,102,171.28	\$88.54	\$3.78
2012	2,350,036	8,813,874	\$2,085,403.26	\$276,766.26	\$2,361,828.80	\$88.39	\$3.14

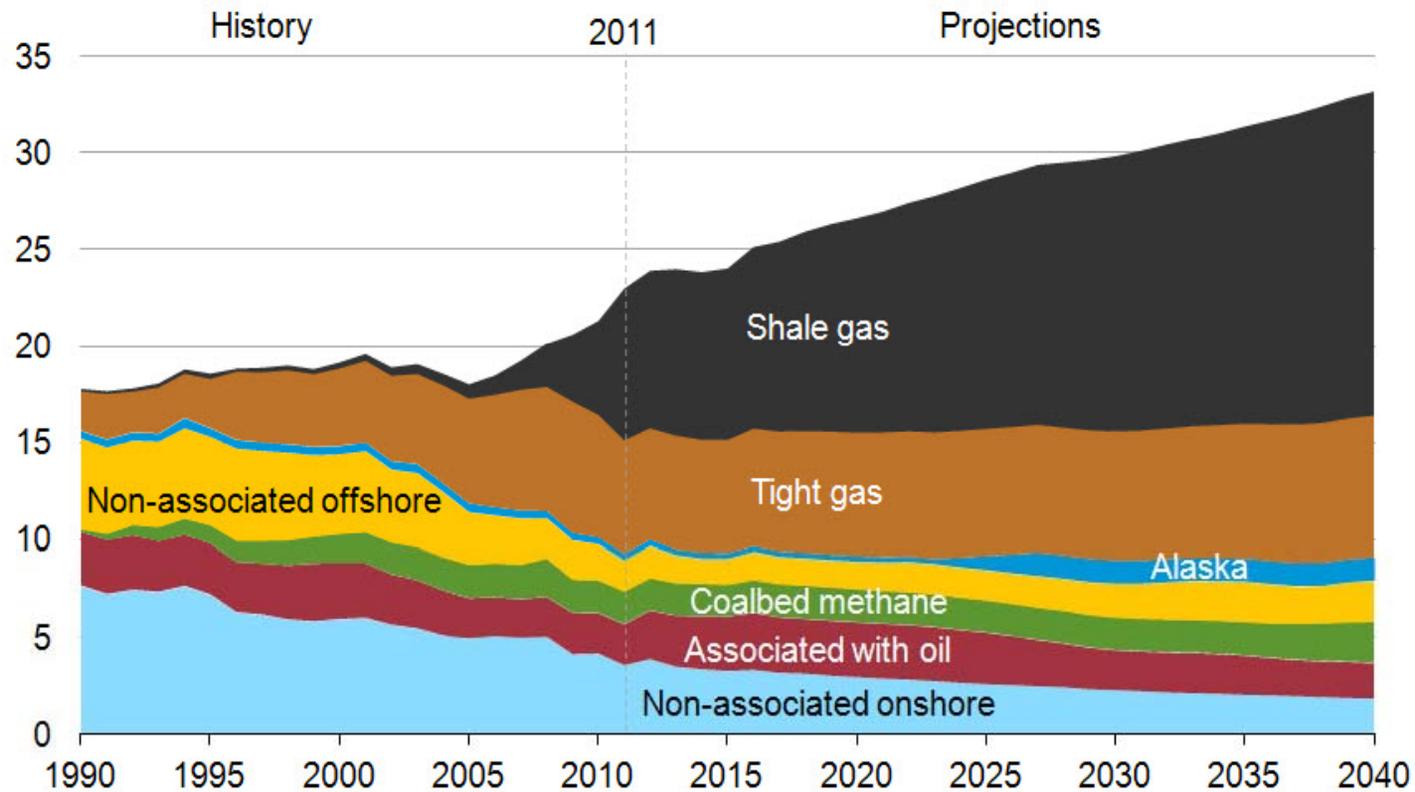
# Monthly Gas Production Jan-10 to July-13 (mcf)



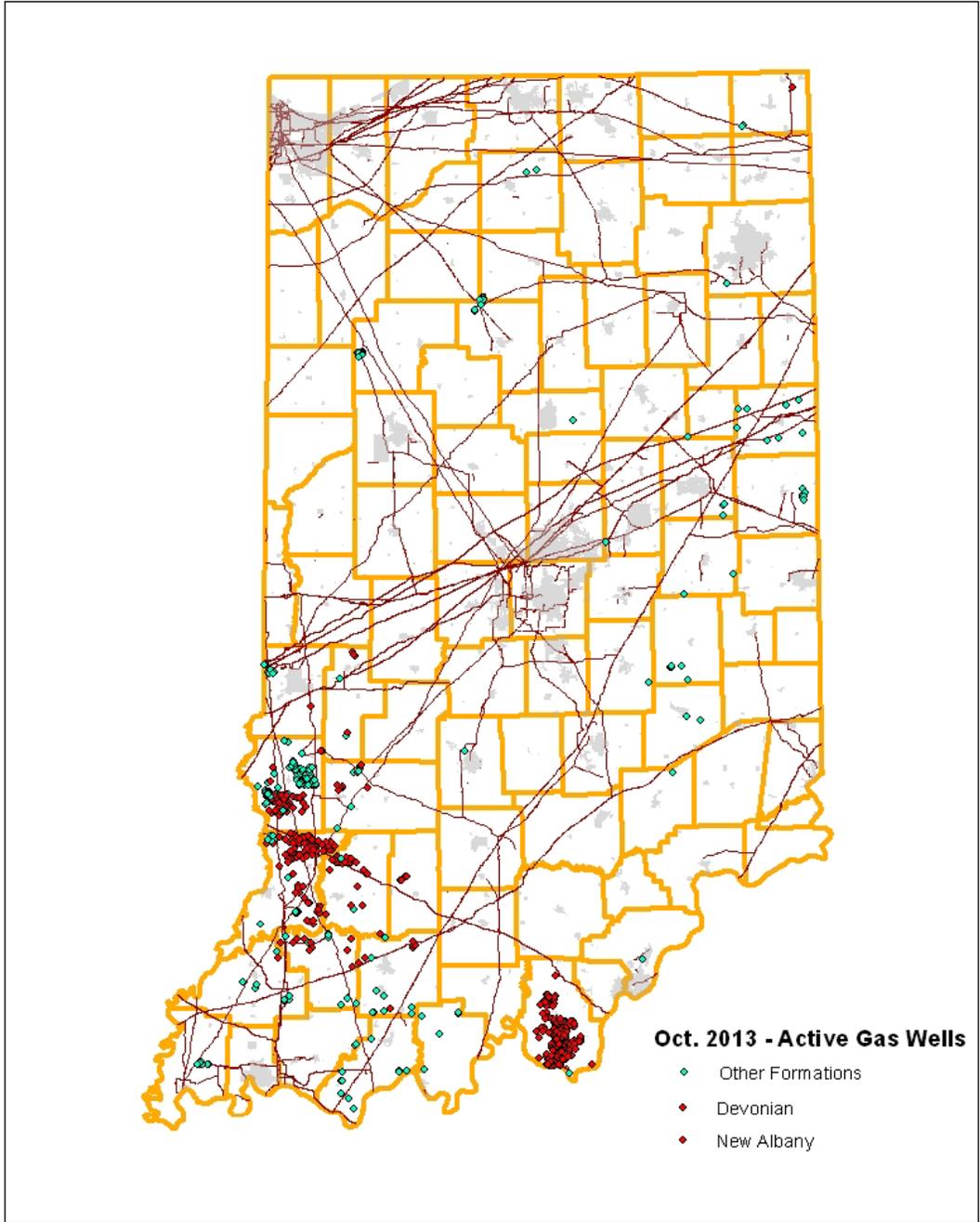
<b>Permits Issued by Well Type</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013 to date</b>
Oil	113	126	187	183
EOR	23	19	22	18
Gas	88	3	5	10
Coal Bed Methane	26	15	2	0
Non Commercial CBM	0	58	0	0
Coal Mine Methane	0	2	0	0
GST	22	27	13	10
Disposal	13	11	12	10
Non Commercial Gas	14	10	21	18
Water Supply	2	3	2	3
Test	2	2	2	0
County Test	2	0	2	0
Gas Storage	2	0	0	0

# Natural Gas Production Trends

U.S. dry natural gas production  
trillion cubic feet



Source: U.S. Energy Information Administration, *Annual Energy Outlook 2013 Early Release*



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# Questions?

## **Indiana Division of Oil and Gas**

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