

# LOUISIANA ENERGY FACTS

Louisiana Department of Natural Resources  
Technology Assessment Division

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Department of Natural Resources

**Stephen Chutz,**  
Interim Secretary

Technology Assessment Division

**Christopher P. Knotts, P.E.,**  
Director

**Manuel Lam,** Senior Analyst

617 North Third Street  
Baton Rouge, LA 70802

Tel. (225) 342-1270  
Fax. (225) 242-1397  
Email: [techasmt@la.gov](mailto:techasmt@la.gov)  
[www.dnr.louisiana.gov/tad](http://www.dnr.louisiana.gov/tad)

## Highlights

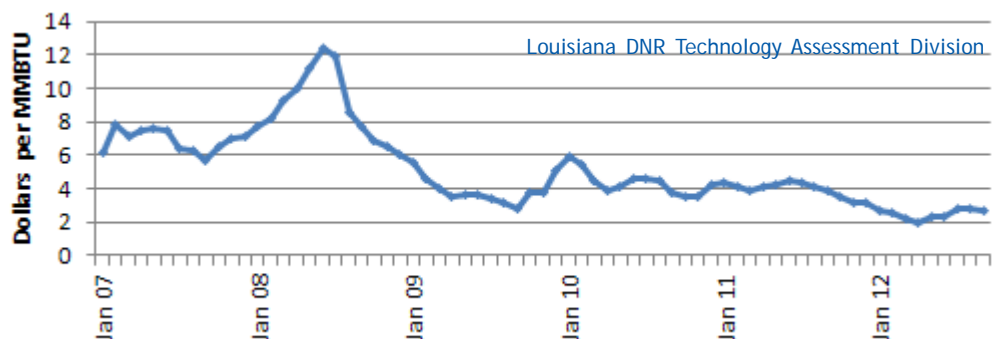
OCTOBER 2012

The number of oil and gas drilling permits approved in the Gulf of Mexico has rebounded since the Deepwater Horizon oil spill. In the three months (May-July 2010) after the spill, only five drilling permits were approved; however, from May-July 2011, 23 drilling permits were approved, representing a 360% increase over 2010. From May-July 2012, 38 drilling permits were approved, representing a 65% increase over 2011. Active drilling rigs in the Gulf of Mexico have also rebounded. In July 2009, prior to the spill, there was an average of 37 rigs; after the spill, in July 2010, the average dropped to only 15 rigs. In July 2011, the average increased to 35 rigs, and in July 2012, the average increased again to 48 rigs. Oil production is also expected to rebound. The Wall Street Journal reported that Bentek Energy is projecting oil production to reach 1.8 million barrels per day by 2022. Today oil production is around 1.3 million barrels per day. Gas production will fluctuate according to the price of gas.

### Louisiana Natural Gas Average Spot Prices

Month	(Dollars per MMBTU)						% Change	
	2007	2008	2009	2010	2011	2012	10/11	11/12
January	6.12	7.78	5.55	5.89	4.35	2.74		-36.91%
February	7.88	8.24	4.60	5.39	4.11	2.55		-37.93%
March	7.15	9.23	3.97	4.46	3.85	2.20		-42.74%
April	7.50	9.94	3.54	3.89	4.16	1.96		-52.91%
May	7.59	11.14	3.65	4.09	4.24	2.30		-45.83%
June	7.51	12.35	3.66	4.65	4.48	2.34		-47.72%
July	6.36	11.87	3.46	4.58	4.34	2.84		-34.52%
August	6.33	8.52	3.18	4.45	4.13	2.85		-30.95%
September	5.70	7.77	2.78	3.80	3.85	2.70		-29.94%
October	6.53	6.85	3.77	3.51	3.54		1.01%	
November	6.96	6.51	3.74	3.52	3.21		-8.71%	
December	7.11	6.08	5.09	4.22	3.20		-24.17%	
<b>Year Average</b>	<b>6.89</b>	<b>8.86</b>	<b>3.92</b>	<b>4.37</b>	<b>3.96</b>	<b>2.50</b> **		

\*\* Partial Year



## Current Oil & Gas Data

Louisiana DNR Technology Assessment Division

PRODUCTION	APR 12	MAR 12	FEB 12	APR 11
<b>LOUISIANA FEDERAL OFFSHORE (OCS)</b>				
Crude Oil & Condensate <sup>C</sup> (MMB)	32 <sup>1</sup>	37 <sup>1</sup>	34 <sup>1</sup>	37 <sup>1</sup>
Natural Gas & Casinghead <sup>C</sup> (BCF)	92 <sup>1</sup>	101 <sup>1</sup>	94 <sup>1</sup>	117 <sup>1</sup>
<b>THE UNITED STATES TOTAL</b>				
Crude Oil & Condensate <sup>C</sup> (MMB)	187	195 <sup>2</sup>	180 <sup>2</sup>	166 <sup>2</sup>
Natural Gas & Casinghead <sup>C</sup> (BCF)	1,961	2,016 <sup>2</sup>	1,889 <sup>2</sup>	1,884 <sup>2</sup>
<b>IMPORTS</b>				
U.S. Crude Oil <sup>C</sup> (MMB)	258	272	248	265 <sup>2</sup>
U.S. Natural Gas <sup>C</sup> (BCF)	243	265 <sup>2</sup>	269 <sup>2</sup>	278 <sup>2</sup>
<b>BAKER HUGHES RIG COUNTS</b>				
U.S. Gas <sup>A</sup>	629	662	723	886
U.S. Oil <sup>A</sup>	1,329	1,307	1,261	896
U.S. Offshore <sup>A</sup>	44	43	42	28
U.S. Total <sup>A</sup>	1,962	1,979	1,990	1,790
<b>PRICES</b>				
<b>CRUDE OIL (\$/barrel)</b>				
OPEC Average <sup>C</sup> (F.O.B.)	113.97	117.06	113.85	115.15
U.S. Imports Average <sup>C</sup> (F.O.B.)	108.27	110.72	108.56	111.52
U.S. Wellhead Average <sup>C</sup>	103.62	105.42	102.05	108.80
Gulf OCS Wellhead Average <sup>C</sup>	119.85	116.12	108.66	113.66
State Severance Wellhead Average <sup>E</sup>	107.01	106.37	102.83	89.82
<b>NATURAL GAS (\$/MCF)</b>				
U.S. City Gates Average <sup>C</sup>	4.21	4.84	4.75	5.62 <sup>2</sup>
U.S. Imports Average <sup>C</sup> (F.O.B.)	2.04	2.36	2.86	4.35
U.S. Wellhead Average <sup>C</sup>	1.89	2.25	2.46	4.05 <sup>2</sup>
State Royalty Wellhead Average	2.16	2.34 <sup>2</sup>	2.75 <sup>2</sup>	4.44 <sup>2</sup>
NYMEX Henry Hub End of the Month Settle Gas Price <sup>B</sup> (\$/MMBTU)	2.19	2.45	2.68	4.24 <sup>2</sup>

### Key

### Data Sources

<b>1</b>	Estimated	<b>MCF</b>	Thousand Cubic Feet	<b>A</b>	Oil & Gas Journal	<b>D</b>	Natural Gas Week
<b>2</b>	Revised	<b>MMB</b>	Million Barrels	<b>B</b>	Wall Street Journal	<b>E</b>	LA Dept of Revenue
<b>BCF</b>	Billion Cubic Feet	<b>NA</b>	Not Available	<b>C</b>	U. S. Dept. of Energy		
<b>BTU</b>	British Thermal Unit	<b>OCS</b>	Outer Continental Shelf				
<b>FO.B.</b>	Free on Board	<b>MMBTU</b>	Million British Thermal Units				
				<b>Note:</b> Unless otherwise specified, data is from the Louisiana Department of Natural Resources and excludes Federal OCS.			

### Note from the Editors

*Louisiana Energy Facts* is published monthly by the Louisiana Department of Natural Resources, Technology Assessment Division as a public service to individuals interested in Louisiana energy activities. Content includes recent oil, gas and other energy statistics and a brief analysis of current trends.

*Louisiana Energy Facts* articles provide insight and information on subjects of special interest to our readers, and may announce relevant, forthcoming publications.

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## Louisiana Estimated Dry Natural Gas Proved Reserves<sup>c</sup>

As of December 31st of Each Year  
(Billion Cubic Feet, at 14.73 psia and 60 degrees Fahrenheit)

YEAR	NORTH	SOUTH ONSHORE	SOUTH OFFSHORE	FEDERAL OCS	TOTAL LOUISIANA	TOTAL US
1994	2,537	6,251	960	20,835 <sup>c</sup>	30,583 <sup>c</sup>	163,837
1995	2,788	5,648	838	21,392 <sup>c</sup>	30,666 <sup>c</sup>	165,146
1996	3,105	5,704	734	21,856 <sup>c</sup>	31,399 <sup>c</sup>	166,474
1997	3,093	5,855	725	21,934 <sup>c</sup>	31,607 <sup>c</sup>	167,223
1998	2,898	5,698	551	20,774 <sup>c</sup>	29,921 <sup>c</sup>	164,041
1999	3,079	5,535	628	19,598 <sup>c</sup>	28,840 <sup>c</sup>	167,406
2000	3,298	5,245	696	19,788 <sup>c</sup>	29,027 <sup>c</sup>	177,427
2001	3,881	5,185	745	19,721 <sup>c</sup>	29,532 <sup>c</sup>	183,460
2002	4,245	4,224	491	18,500 <sup>c</sup>	27,460 <sup>c</sup>	186,946
2003	5,074	3,746	506	16,728 <sup>c</sup>	26,054 <sup>c</sup>	189,044
2004	5,770	3,436	382	14,685 <sup>c</sup>	24,273 <sup>c</sup>	192,513
2005	6,695	3,334	418	13,665 <sup>c</sup>	24,112 <sup>c</sup>	204,385
2006	6,715	3,335	424	11,824 <sup>c</sup>	22,298 <sup>c</sup>	211,085
2007	6,344	3,323	378	11,090 <sup>c</sup>	21,135 <sup>c</sup>	237,726
2008	7,876	2,799	898	10,450 <sup>c</sup>	22,023 <sup>c</sup>	244,656
2009	17,146	2,844	701	9,362 <sup>c</sup>	30,053 <sup>c</sup>	272,509
2010	26,030	2,876	371	8,896 <sup>c</sup>	38,173 <sup>c</sup>	304,625

<sup>c</sup> Includes Federal Offshore Alabama

## Louisiana Estimated Natural Gas Liquids Proved Reserves<sup>c</sup>, Excluding Lease Condensate

As of December 31st of Each Year  
(Million Barrels)

YEAR	NORTH	SOUTH ONSHORE	SOUTH OFFSHORE	FEDERAL OCS	TOTAL LOUISIANA	TOTAL US
1994	48	214	19	267	548	4,876
1995	55	359	16	191	621	5,005
1996	61	284	36	199	580	5,209
1997	50	199	12	352	613	5,291
1998	34	187	13	341	575	4,852
1999	36	230	19	398	681	5,316
2000	39	207	21	315	582	7,012
2001	35	128	41	273	477	6,595
2002	30	119	37	346	532	6,648
2003	48	100	35	235	418	6,244
2004	53	87	27	410	577	6,707
2005	61	96	32	375	563	6,947
2006	60	94	22	390	484	7,133
2007	69	99	24	348	540	7,728
2008	68	78	55	313	514	7,842
2009	98	90	43	301	532	8,557
2010	79	113	24	340	556	9,809

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**LOUISIANA DEPARTMENT OF NATURAL RESOURCES**  
*Technology Assessment Division*  
 P. O. Box 94396  
 Baton Rouge, LA 70804-9396

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## Quick Facts

## OCTOBER 2012

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### SPOT MARKET PRICES

	Sep 12	Aug 12	Sep 11
Louisiana Natural Gas <sup>D</sup> (\$/MMBTU)	2.70	2.85	3.85
NYMEX Henry Hub Last Settle Gas Price <sup>B</sup> (\$/MMBTU)	2.63	3.01	3.86
Louisiana Sweet Crude - St. James <sup>B</sup> (\$/Barrel)	112.99	111.77	112.67

### BAKER HUGHES RIG COUNTS

	Aug 12	Jul 12	Aug 11
North Louisiana <sup>A</sup>	27	24	89
South Louisiana Inland Waters <sup>A</sup>	19	18	18
South Louisiana Inland <sup>A</sup>	28	28	29
Louisiana State Offshore	1	1	2
Louisiana Federal OCS Offshore	46	47	30
Total Louisiana <sup>A</sup> (OCS included)	121	118	168

### PRODUCTION (State Jurisdiction Only)

	Aug 12	Jul 12	Aug 11
Louisiana Crude Oil & Condensate (MMB)	5.9 <sup>1</sup>	5.8 <sup>1</sup>	5.8 <sup>2</sup>
Louisiana Natural Gas & Casinghead (BCF)	211.3 <sup>1</sup>	214.8 <sup>1</sup>	238.7 <sup>2</sup>

### DRILLING PERMITS (State Jurisdiction Only)

	Aug 12	Jul 12	Aug 11
Total Louisiana Oil and Gas	119	129	131
Louisiana Wildcats	7	4	3
Louisiana Offshore (Wildcats included)	3	2	0