

LOUISIANA ENERGY FACTS

Louisiana Department of Natural Resources
Technology Assessment Division

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[Highlights of the 20th
Edition of the Louisiana
Crude Oil Refinery
Survey Report](#)



Department of Natural
Resources

Thomas Harris, Secretary

Technology Assessment
Division

Paul Miller, 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
www.dnr.louisiana.gov/tad

Highlights

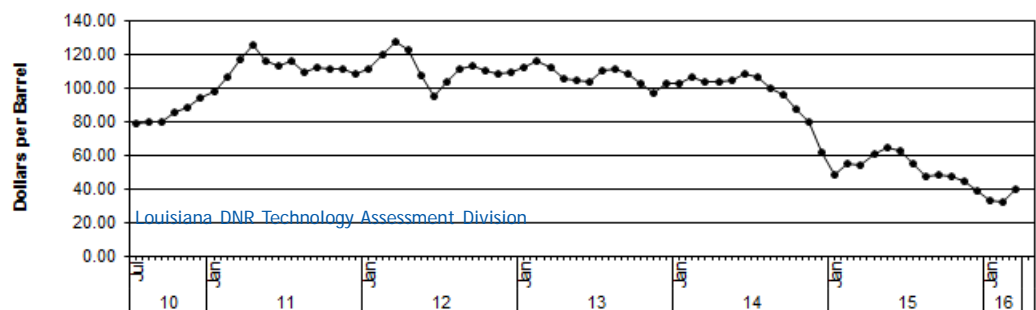
APRIL 2016

The U.S. gas rig count is falling. According to Baker Hughes, there were 426 rigs actively drilling for natural gas across U.S. basins in February 2013, and three years later, there were just 102 active gas rigs. That is a 76% decline in active rigs. In Louisiana (including federal GOM waters), there were 46 rigs actively drilling for natural gas in February 2013, and in February 2016, it dropped to 22 active rigs. The decline in Louisiana was only 52%. This decline in rig count can be attributed to falling gas prices and high U.S. gas production, especially from gas shale plays. The average spot gas price in February 2013 was \$3.24 per MMBTU, and in February 2016, it was only \$1.93 per MMBTU. The EIA reported the U.S. gas production was 65 billion cubic feet per day (Bcf/d) in 2013 and 73 Bcf/d in 2016. The production increase is the result of more efficient drilling operations due to improvements in technology.

Light Louisiana Sweet Crude Oil Average Spot Price at St. James

(Dollars per Barrel)

Month	2011	2012	2013	2014	2015	2016	% Change	
							14/15	15/16
January	97.83	111.81	112.73	102.79	48.81	32.82	-52.51%	-32.76%
February	106.21	120.45	116.30	106.36	55.28	32.48	-48.03%	-41.24%
March	117.41	127.39	112.82	104.13	54.38	40.10	-47.78%	-26.26%
April	126.03	122.51	105.42	104.15	60.67		-41.75%	
May	116.44	108.00	104.27	104.27	64.96		-37.70%	
June	113.24	94.90	104.19	108.22	63.23		-41.57%	
July	115.86	103.49	110.52	106.41	54.69		-48.60%	
August	109.29	111.77	110.95	100.13	47.07		-52.99%	
September	112.67	112.99	108.17	96.30	48.64		-49.49%	
October	111.82	110.24	102.85	87.60	47.38		-45.91%	
November	111.41	108.51	97.18	79.64	44.36		-44.30%	
December	108.62	109.47	102.79	61.90	38.88		-37.19%	
Year Average	112.24	111.79	107.35	96.83	52.36	35.13 **		



Current Oil & Gas Data

Louisiana DNR Technology Assessment Division

	OCT 15	SEP 15	AUG 15	OCT 14
PRODUCTION				
GOM CENTRAL FEDERAL OFFSHORE (OCS)				
Crude Oil & Condensate ^F (MMB)	40	46	47	42 ²
Natural Gas & Casinghead ^F (BCF)	98	104	108	101
THE UNITED STATES TOTAL				
Crude Oil & Condensate ^C (MMB)	290	284 ²	292	283 ²
Natural Gas & Casinghead ^C (BCF)	2,303	2,263	2,326	2,255 ²
IMPORTS				
U.S. Crude Oil ^C (MMB)	221	217	237	222 ²
U.S. Natural Gas ^C (BCF)	226	209	214	221
BAKER HUGHES RIG COUNTS				
U.S. Gas ^A	193	199	209	331
U.S. Oil ^A	597	651	673	1,593
U.S. Offshore ^A	92	32	34	57
U.S. Total ^A	791	848	883	1,925
PRICES				
CRUDE OIL (\$/barrel)				
OPEC Average ^C (F.O.B.)	39.33	39.81 ²	38.21	79.29
U.S. Imports Average ^C (F.O.B.)	37.21	36.90 ²	37.17	76.73
U.S. Wellhead Average ^C	44.33	41.60	39.98	78.84 ²
Gulf OCS Wellhead Average ^C	43.54	42.66	46.21	87.47
State Severance Wellhead Average ^E	37.61	48.92	58.69	65.77
NATURAL GAS (\$/MCF)				
U.S. City Gates Average ^C	4.00	4.54	4.58	5.18
U.S. Imports Average ^C (F.O.B.)	3.23	2.75	2.74	3.87
U.S. Spot Market Average ^D	2.41	2.62	2.75	3.73
State Royalty Wellhead Average	2.34	2.56	2.73	3.84 ²
NYMEX Henry Hub End of the Month Settle Gas Price ^B (\$/MMBTU)	2.56	2.64	2.89	3.98

Key

Data Sources

1	Estimated	MCF	Thousand Cubic Feet
2	Revised	MMB	Million Barrels
BCF	Billion Cubic Feet	NA	Not Available
BTU	British Thermal Unit	OCS	Outer Continental Shelf
FO.B.	Free on Board	MMBTU	Million British Thermal Units

A	Oil & Gas Journal	D	Natural Gas Week
B	Wall Street Journal	E	LA Dept of Revenue
C	U. S. Dept. of Energy	F	BOEM

Note: 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.

These documents are available on the Louisiana Department of Natural Resources, Technology Assessment Division home page:

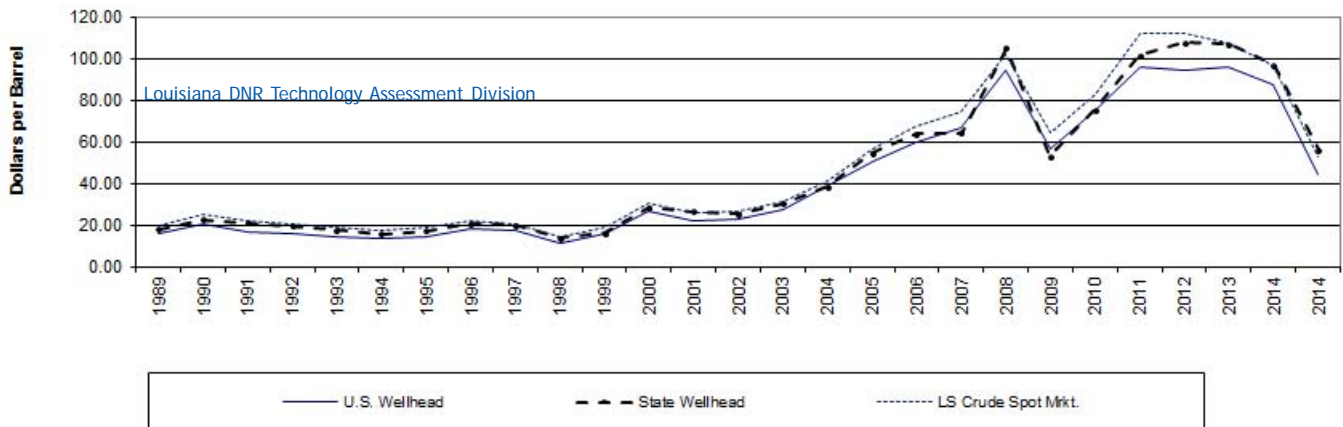
<http://www.dnr.louisiana.gov/tad>. From the menu, select **Newsletters**. Our current online holdings include issues dating from 1998 through the present. If the issue you are seeking is unavailable, please contact us.

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Average Crude Oil Prices (Dollars/Barrel)

Louisiana DNR Technology Assessment Division

YEAR	UNITED STATES			LOUISIANA			
	IMPORTS F.O.B. ^C	REFINERY DOMESTIC ACQUISITION ^C	U.S. WELLHEAD ^C	DOE WELLHEAD ^C	STATE WELLHEAD ^D	FEDERAL OCS ^C	SPOT MARKET
1992	16.66	18.62	16.00	19.01	19.31	18.38	20.77
1993	14.72	16.66	14.24	16.72	17.39	16.17	18.56
1994	14.13	15.64	13.19	15.61	15.46	14.72	17.25
1995	15.69	17.32	14.62	17.06	16.98	16.16	18.60
1996	19.24	20.81	18.46	20.87	20.56	20.00	22.32
1997	16.98	19.65	17.23	19.23	19.80	18.63	20.69
1998	10.75	13.15	10.93	12.52	13.68	12.03	14.21
1999	16.48	17.64	15.53	17.55	16.09	16.46	19.00
2000	26.26	29.08	26.72	29.14	28.10	27.57	30.29
2001	20.45	24.34	21.90	24.70	26.23	23.36	25.84
2002	22.57	24.56	22.50	24.92	25.17	23.36	26.18
2003	26.06	29.78	27.54	30.50	30.28	28.69	31.20
2004	33.75	38.97	38.86	40.43	38.34	37.54	41.47
2005	47.74	53.05	50.53	54.68	54.62	50.97	56.86
2006	57.03	62.50	59.65	64.17	63.55	60.62	67.44
2007	66.12	69.56	66.56	71.98	64.14	67.42	74.60
2008	89.45	98.09	94.22	99.53	104.86	100.00	102.29
2009	58.12	58.95	56.31	59.27	52.78	57.57	64.28
2010	74.21	77.94	74.65	78.23	75.24	77.13	82.72
2011	101.65	100.62	95.69	106.30	101.40	106.19	112.24
2012	99.54	100.91	94.63	105.98	107.46	105.85	111.79
2013	96.51	102.93	96.00	105.16	106.75	103.50	107.35
2014	85.60 ²	94.45 ²	87.71 ²	94.44 ²	96.84 ²	93.61 ²	96.83 ²
2015	41.88	48.41	44.31	48.38	55.93	47.96	52.36





LOUISIANA DEPARTMENT OF NATURAL RESOURCES

Technology Assessment Division

P. O. Box 94396

Baton Rouge, LA 70804-9396

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Louisiana DNR Technology Assessment Division

SPOT MARKET PRICES

	Mar 16	Feb 16	Mar 15
Louisiana Natural Gas ^D (\$/MMBTU)	1.64	1.93 ²	2.80
NYMEX Henry Hub Last Settle Gas Price ^B (\$/MMBTU)	1.71	2.19	2.89
Light Louisiana Sweet Crude - St. James ^B (\$/Barrel)	40.10	32.48	54.38

BAKER HUGHES RIG COUNTS

	Feb 16	Jan 16	Feb 15
North Louisiana ^A	18	24	33
South Louisiana Inland Waters ^A	1	1	8
South Louisiana Inland ^A	5	7	17
Louisiana State Offshore	0	0	1
Louisiana Federal OCS Offshore	23	23	48
Total Louisiana ^A (OCS included)	47	55	107

PRODUCTION (State Jurisdiction Only)

	Feb 16	Jan 16	Feb 15
Louisiana Crude Oil & Condensate (MMB)	5.1	5.1	5.2 ²
Louisiana Natural Gas & Casinghead (BCF)	135.8	141.4	142.7 ²

DRILLING PERMITS (State Jurisdiction Only)

	Feb 16	Jan 16	Feb 15
Total Louisiana Oil and Gas	33	28	37
Louisiana Wildcats	0	0	0
Louisiana Offshore (Wildcats included)	0	0	1