























## 17. LEASE STATISTICS & E&P INDICES

Year	Onshore Lease Statistics			Producer Price Index	Crude Price Index	Oil Machinery Index
	New BLM Leases Issued	Federal Acres Producing	Federal APDs Approved	1982=100		
1997	4,182	10,482,046	2,580	131.8	57.5	122.8
1998	4,105	10,796,550	2,171	130.7	35.7	125.9
1999	3,075	10,718,687	1,639	133.0	50.3	126.5
2000	2,900	10,758,751	3,066	138.0	85.2	128.2
2001	3,289	11,421,865	3,439	140.7	69.2	134.3
2002	2,384	11,413,541	3,372	138.9	67.9	135.8
2003	2,022	11,537,130	3,802	143.3	83.0	139.6
2004	2,699	11,671,414	6,052	148.5	108.2	143.6
2005	3,514	12,529,618	4,579	155.7	150.1	155.9
2006	3,746	12,267,612	6,738	160.4	176.0	171.0
2007	3,499	11,629,625	7,124	166.6	192.6	184.4
2008	2,416	14,543,425	6,617	177.1	275.7	199.8
2009	2,072	12,842,209	4,487	172.5	161.7	202.7
2010	1,308	12,205,416	4,090	179.8	218.6	200.7
2011	2,188	12,316,233	4,244	190.7	275.5	205.0
2012	1,729	12,512,974	4,256	194.3	273.6	210.7
2013	1,468	12,617,743	3,770	196.7	281.2	213.1
2014	1,157	12,690,806	3,769	200.4	259.2	216.5
2015	852	12,760,700	3,508	193.9	129.5	216.5
2016	520	12,771,829	2,184	191.9	111.2	214.9

## 18. OIL & GAS EMPLOYMENT

Year	Extraction	Refining	Transportation	Wholesale	Retail	Total Industry
	(Thous.)					
1997	256.4	136.0	255.5	295.3	956.2	1,899.4
1998	255.2	134.5	252.9	295.9	961.3	1,899.8
1999	226.8	127.8	245.5	287.3	943.5	1,830.9
2000	232.8	123.1	238.9	281.0	935.7	1,811.5
2001	322.4	121.0	248.9	265.6	920.3	1,878.1
2002	303.2	118.7	242.6	256.7	896.1	1,817.4
2003	306.0	115.5	234.8	249.4	880.2	1,786.0
2004	320.8	112.3	227.1	240.8	874.1	1,775.1
2005	353.7	112.2	226.9	239.2	866.1	1,798.2
2006	403.4	113.1	238.9	244.1	862.1	1,861.6
2007	446.5	115.2	253.3	248.7	861.9	1,925.6
2008	495.4	116.2	269.2	248.4	845.0	1,974.2
2009	438.1	114.5	257.6	238.9	824.3	1,873.4
2010	450.4	111.0	250.6	233.5	819.7	1,865.2
2011	516.4	110.9	264.9	239.7	825.2	1,957.1
2012	580.5	111.4	284.6	246.7	842.9	2,066.1
2013	604.9	111.9	293.6	250.3	862.0	2,122.7
2014	640.1	109.9	301.9	256.4	880.5	2,188.8
2015	558.8	109.7	304.0	247.9	905.0	2,125.4
2016	437.2	111.0	299.3	224.6	922.8	1,994.9

## 19. GENERAL ECONOMIC DATA

Year	Cost of Oil Imports	Gross Domestic Product			Consumer Price Index	Industrial Production Index
		Current \$	Constant 2009\$	Price Deflator		
		(Bill. \$)		2009=100		
1997	71.2	8,608.5	11,034.9	77.1	160.5	83.7
1998	50.3	9,089.2	11,525.9	77.9	163.0	88.5
1999	67.2	9,660.6	12,065.9	79.1	166.6	92.5
2000	119.3	10,284.8	12,559.7	80.9	172.2	96.1
2001	102.7	10,621.8	12,682.2	82.7	177.0	93.1
2002	102.7	10,977.5	12,908.8	84.0	179.9	93.4
2003	132.4	11,510.7	13,271.1	85.7	184.0	94.5
2004	179.3	12,274.9	13,773.5	88.0	188.9	97.0
2005	250.1	13,093.7	14,234.2	90.9	195.3	100.2
2006	299.7	13,855.9	14,613.8	93.7	201.6	102.4
2007	327.6	14,477.6	14,873.7	96.2	207.3	105.0
2008	449.8	14,718.6	14,830.4	98.0	215.3	101.2
2009	251.8	14,418.7	14,418.7	98.8	214.6	89.6
2010	333.5	14,964.4	14,783.8	100.0	218.1	94.2
2011	431.9	15,517.9	15,020.6	102.1	224.9	97.1
2012	408.5	16,155.3	15,354.6	103.9	229.6	100.0
2013	363.1	16,691.5	15,612.2	105.6	232.9	102.0
2014	326.7	17,427.6	16,013.3	107.5	236.7	105.1
2015	177.5	18,120.7	16,471.5	108.7	237.0	104.4
2016	142.9	18,624.5	16,716.2	110.1	240.0	103.1

## PEAK YEAR MILESTONES

Upstream Firm Count	2013	18,595	
Horizontal Rig Share	2016	79%	
Rotary Rigs Active	1981	3,970	
Exploratory Wells Drilled	1981	17,573	
Oil Wells Drilled	1981	43,887	
Gas Wells Drilled	2006	32,838	
Dry Holes Drilled	1981	27,953	
Total Wells Drilled	1981	92,090	
Producing Oil Wells	1985	646,626	
Producing Gas Wells	2014	503,290	
New BLM Leases Issued	1988	9,234	
Crude Oil Production	1970	9,637	Thous. b/d
Oil and Gas Mineral Revenues	2008	12.594	Billion \$
Petroleum Imports	2005	13,714	Thous. b/d
Petroleum Demand	2005	20,802	Thous. b/d
Natural Gas Production	2015	28,753	Bcf*
Natural Gas Consumption	2016	27,491	Bcf*
Natural Gas Exports	2016	2,335	Bcf
Oil Wellhead Price	2013	\$95.99	per Bbl.
Gas Wellhead Price	2008	\$7.97	per Mcf
Total Industry Employment	2014	2.19	Mill.
*Based on preliminary estimated data			

## SOURCES:

1. Horizontal Rig Percentage: Baker Hughes Rotary Rig Data; Wells: IHS & EIA
2. Rotary Rigs: Baker Hughes; Wells & Footage: IHS & EIA
3. Upstream Firms: U.S. Census - Statistics of U.S. Businesses (includes Oil & Gas Extraction, Drilling, Support Activities & Geophysical Surveying) Wells: EIA & *World Oil*
4. Marginal Wells: IHS
- 5.- 6. EIA
- 7.-13. EIA & IPAA
14. Wholesale & Retail Prices: EIA
15. Wellhead Value: EIA; Severance Taxes: IPAA Survey
16. Energy Trade Balance - EIA; Mineral Revenues: Office of Natural Resources Revenue; Spending: *Oil & Gas Journal*
17. Onshore Lease Statistics: Department of Interior, Bureau of Land Management; Other Indices: Dept. of Commerce
18. Bureau of Labor Statistics (BLS) data from NAIC codes post-2001. Refining includes lubricants, greases, etc. Transportation includes pipeline construction & wholesale includes oilfield machinery. For peak employment milestones, 1981 used different data methodology (SIC).
19. Department of Commerce, BLS and Federal Reserve

## NOTES:

- A. Crude oil production and imports include lease condensate. Other petroleum supply includes refinery processing gain and other hydrocarbons.
- B. Producing wells and reserves are shown as of December 31st each year.
- C. 2014-2016 editions replaced various obsolete data categories on Tables 1, 3, 5, 6, 16 and 17.
- D. Imports for the Strategic Petroleum Reserve are included only in Table #10, "Imports by Origin."
- E. Marketed natural gas (wet) includes natural gas liquids. Total natural gas supply includes withdrawals from storage and supplemental gaseous fuels.
- F. All GDP statistics are in 2009 "chain weighted" dollars, unless noted otherwise.
- G. Employment numbers include oilfield machinery (in Wholesale) post-1997 & pipeline construction post-2001 (in Transportation). NAIC codes used post-2001.
- H. Energy trade includes coal and electricity. Royalty revenues include oil, natural gas and NGLs as available.

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