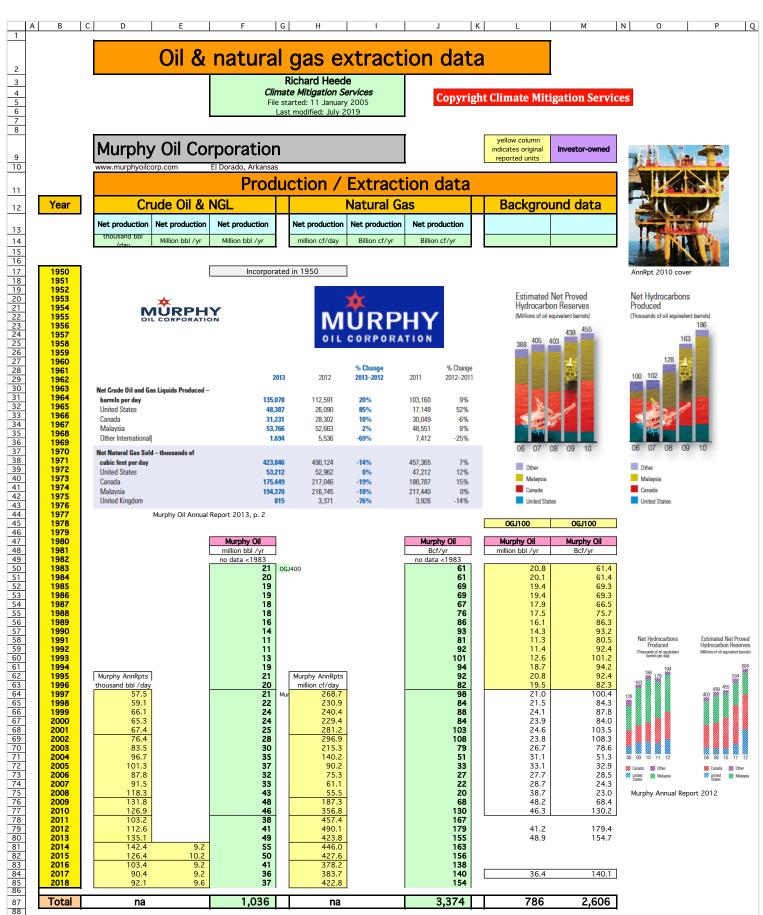
Murphy



OilGasENI_NorskHydro.xls

A	B C D	E F	G	Н	1	J	K
H							
	Barrels per day unless othe	rwise noted		2018	2017	2016	
-							
	B C D E F G Barrels per day unless otherwise noted Net crude oil and condensate Onshore Gulf of Mexico ¹ Canada Onshore Offshore Offshore Gulf of Mexico ¹ Canada Onshore Offshore Gulf of Mexico ¹ Gulf of Mexico ¹ Canada Onshore Offshore Gulf of Mexico ¹ Gulf of Mexico ¹ Malaysia Sarawak Block K Brunei Gulf of Mexico ¹ Gulf of Mexico ¹ Total net crude oil and condensate Net natural gas liquids Gulf of Mexico ¹ Ganada Onshore Malaysia Sarawak Sarawak Total net natural gas sold – thousands of cubic feet per day United States Onshore Malaysia Sarawak Gulf of Mexico ¹ Ganada Onshore Malaysia Sarawak Block K Total net natural gas - thousands of cubic feet per day Malaysia Sarawak Block K Total net natural gas - thousands of cubic feet per day Total net natural gas - thousands of cubic feet per day Less noncontrolling interest ³ Less noncontrolling interest Net natural gas liquids – barrels per day			31,787	34,649	35,858	
		Gulf of Mexico ¹		18,702	11,551	12,372	
	Canada	Onshore		5,690	3,004	1,046	
				6,701	8,091	8,737	
	Net crude oil and condensate United States Gulf of Mexico ¹ Gulf of Mexico ¹ Canada Onshore Heavy ² Synthetic ² Malaysia Sarawak Block K Brunei Total net crude oil and condensate Net natural gas liquids United States Onshore Gulf of Mexico ¹ Canada Onshore Malaysia Sarawak Total net natural gas sold – thousands of cubic feet per day United States Onshore Gulf of Mexico ¹ Gulf of Mexico ¹ Canada Onshore Malaysia Sarawak Total net natural gas sold – thousands of cubic feet per day United States Onshore Gulf of Mexico ¹ Gulf of Mexico ¹			-	150	2,766	
				-	-	4,637	
0	Malaysia			11,942	12,674	13,365	
1		Block K		16,734	20,312	24,619	
2				558		_	
3	Total net crude oil and con-	densate		92,114	90,431	103,400	
1							
의 -	United States			6,578	6,867	6,929	
-				1,147	947	1,302	
4				1,073	508	210	
읡				792	829	786	
쉬	Total net natural gas liquid	s		9,590	9,151	9,227	
÷1		sands of cubic feet per day					
	United States			31,832	32,629	35,789	
3				14,356	11,901	17,242	
1				266,416	226,218	208,682	
5	Malaysia			104,457	104,616	106,380	
5		Block K		5,766	8,358	10,070	
2	Total net natural gas - thou	sands of cubic feet per day		422,827	383,722	378,163	
3	Total net hydrocarbons inc	luding noncontrolling interest 3		172,175	163,536	175,654	
2							
2	Canada Onshore Malaysia Sarawak Block K Total net natural gas - thousands of cubic feet per day Total net hydrocarbons including noncontrolling interest ³ Less noncontrolling interest		1,134	-	-		
<u> </u>				24	-	-	
쉬	Net natural gas - thousa	ands of cubic feet per day		430	-	_	
취	Net BOE produced attribut	able to noncontrolling interest 3		1,230	_	_	
<u> 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 6 7 8 9 0 1 2 3 4 5 6 6 6 6 7 8 9 0 1 2 3 4 5 6 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 6 6 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	Total net hydrocarbons exc	luding noncontrolling interest 3		170,945	163,536	175,654	
	Estimated net hydrocarbon	reserves - million equivalent barrels 3,4		844.0	698.3	684.5	
긔							

¹ 2018 includes net volumes attributable to a noncontrolling interest in MP GOM. ² The Company sold the Seal area heavy oil property in January 2017 and its 5% non-operated interest in Syncrude Canada Ltd. in June 2016. Production in this table includes production for these sold interests through the date of disposition.

 ¹ Natural gas converted on an energy equivalent basis of 61. ⁴ At December 31, 2018, includes 28.4 MMBOE relating to noncontrolling interest. 										
Murphy Oil 10-K for 2018, page 30.										
Exploration and Production Statistical Summa	ry									
	2012	2011	2010	2009	2008	2007	2006			
Net crude oil, condensate and natural gas liquids										
production – barrels per day United States	26,090	17,148	20,114	17.053	10.668	12,989	21.112			
Canada – light	245	83	43	18	46	596	443			
heavy	7,241	7,264	5,988	6,813	8,484	11,524	12,613			
offshore	6,986	9,204	11,497	12,357 12.855	16,826	18,871	14,896			
synthetic Malaysia	13,830 52,663	13,498 48,551	13,273 66,897	76,322	12,546 57,403	12,948 20,367	11,701 11,298			
Republic of the Congo	2,078	4,989	5,820	1,743	-	-	-			
Continuing operations	109,133	100,737	123,632	127,161	105,973	77,295	72,063			
Discontinued operations	3,458	2,423	3,295	4,678	12,281	14,227	15,754			
Total liquids produced	112,591	103,160	126,927	131,839	118,254	91,522	87,817			
let crude oil, condensate and natural gas										
liquids sold – barrels per day United States	26,090	17,148	20.114	17.053	10.668	12,989	21,112			
Canada – light	245	83	43	18	46	596	443			
heavy	7,241	7,264	5,988	6,813	8,484	11,524	12,613			
offshore	7,092	9,079	11,343	12,455	16,690	18,839	15,360			
synthetic Malaysia	13,830 54,286	13,498 48,092	13,273 68,975	12,855 72,575	12,546 61,907	12,948 16,018	11,701 11,986			
Republic of the Congo	1,468	3,959	5,428	973	01,307					
Continuing operations	110,252	99,123	125,164	122,742	110,341	72,914	73,215			
Discontinued operations	3,372	2,299	4,177	3,607	13,513	14,688	17,027			
Total liquids sold	113,624	101,422	129,341	126,349	123,854	87,602	90,242			
et natural gas sold – thousands of cubic feet per day										
United States	52,962	47,212	53,037	54,255	45,785	45,139	56,810			
Canada	217,046	188,787	85,563	54,857	1,910	9,922	9,752			
Malaysia – Sarawak	174,283	176,943	154,535	28,070	-	-	-			
Kikeh	42,462	40,497	58,157	46,583	1,399	-	-			
Continuing operations Discontinued operations	486,753 3,371	453,439 3,926	351,292 5,509	183,765 3,501	49,094 6,424	55,061 6,021	66,562 8,700			
Total natural gas sold	490,124	457,365	356.801	187,266	55.518	61,082	75,262			
างเล่า กละเมาลา ชูลง องกัน	430,124	407,000	550,601	107,200	33,318	01,002	73,202			
et hydrocarbons produced – equivalent barrels ¹ per day	194,278	179,388	186,394	163,050	127,507	101,702	100,361			
stimated net hydrocarbon reserves – million equivalent barrels ^{1,2}	604.3	534.1	455.2	439.2	402.8	405.1	388.3			
Murphy Oil Annual Report 201	2.									
				% Cha	nge		% Change			
	2012 2011 2012–2011 2010 2011–20									

			% Chan		
	2012	2011	2012-2011	2010	2011-2
Net Crude Oil and Gas Liquids Produced –					
barrels per day	112,591	103,160	9 %	126,927	-19%
United States	26,090	17,148	52%	20,114	-15%
Canada	28,302	30,049	-6%	30,801	-2%
Malaysia	52,663	48,551	8%	66,897	-27%
Other International	5,536	7,412	-25%	9,115	-19%
Net Natural Gas Sold – thousands of					
cubic feet per day	490,124	457,365	7%	356,801	28%
United States	52,962	47,212	12%	53,037	-11%
Canada	217,046	188,787	15%	85,563	121%
Malaysia	216,745	217,440	0%	212,692	2%
United Kingdom	3,371	3,926	-14%	5,509	-29%
Petroleum Products Sold – barrels per day	474,949	556,434	-15%	536,757	4%
United States	337,900	420,737	-20%	450,100	-7%
United Kingdom	137.049	135,697	1%	86,657	57%



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"Mr. Charlie," prototype submersible drilling barge

Murphy Oil statement on climate change (see cell note)



Asset sales, decreases in production and to a lesser impact emission reduction projects resulted in a decrease in emissions from 2010 to 2011. Murphy Oil and Climate Change Climate Change Activities December 2012

Refining and Marketing Statistical Summary

	2012	2011	2010	2009	2008	2007	2006
Branded retail refueling stations ¹							
United States – Murphy USA®	1,015	1,003	1,001	996	992	971	987
Murphy Express	150	125	98	52	33	2	-
Other		-	116	121	129	153	177
Total United States	1,165	1,128	1,215	1,169	1,154	1,126	1,164
United Kingdom	452	459	451	453	454	389	402
United States retail marketing:							
Fuel margin per gallon ²	\$ 0.129	0.156	0.114	0.083	0.165	0.103	0.104
Gallons sold per store month	277,001	277,715	306,646	312,493	324,223	294,784	285,665
Merchandise sales revenue per store month	\$ 156,429	158,144	153,530	137,623	110,943	97,523	80,598
Merchandise margin as a percentage of merchandise sales	13.5%	12.8%	13.1%	12.5%	13.5%	13.2%	13.3
United Kingdom refining and marketing -							
Unit margins per barrel	S 1.94	(0.67)	(1.47)	(0.28)	3.41	(1.48)	4.43
onic margina per barrer	0 1.04	[0.07]	(1.507)	10.201	0.41	(1.40)	4.45
Petroleum products sold – barrels per day							
United States - Gasoline	289,650	312,945	333,182	319,549	313,827	298.833	266.353
Kerosine	146	11,864	11,449	11,928	4,606	1,685	2,269
Diesel and home heating oils	48,104	74,410	77,799	76,599	86,933	91,344	62,196
Residuals	-	12,618	18,015	15,501	14,837	15,422	11,696
Asphalt, LPG and other	-	8,900	9,655	9,123	7,287	9,384	8,087
Total United States	337,900	420,737	450,100	432,700	427,490	416,668	350,601
United Kingdom – Gasoline	47,087	35,757	23,085	30,007	34,125	14,356	12,425
Kerosine	17,273	16,298	11,387	12,954	14,835	4,020	3,619
Diesel and home heating oils	48,595	48,893	29,710	35,721	34,560	14,785	11,803
Residuals	13,744	14,427	7,885	10,560	12,744	3,728	3,825
LPG and other	10,350	20,322	14,590	14,532	15,246	4,213	2,998
Total United Kingdom	137,049	135,697	86,657	103,774	111,510	41,102	34,670
Total petroleum products sold	474,949	556.434	536.757	536.474	539.000	457.770	385.271

Murphy Oil Annual Report 2012.

Exploration and Production Statistical Summary

	2010	2009	2008	2007	2006	2005	2
Net crude oil, condensate and natural gas liquids							
production – barrels per day							
United States	20,114	17,053	10,668	12,989	21,112	25,897	19
Canada – light	43	18	46	596	443	563	
heavy	5,988	6,813	8,484	11,524	12,613	11,906	5
offshore synthetic	11,497 13,273	12,357 12,855	16,826 12,546	18,871 12,948	14,896	23,124	25
Malaysia	66.897	76,322	57,403	20,367	11,298	13,503	- 11
United Kingdom	3,295	3.361	4,869	5,281	7,146	7,992	- 11
Republic of the Congo	5.820	1,743	4,000	0,201	7,140	1,000	1.1
Continuing operations	126.927	130.522	110.842	82,576	79,209	93.478	85
Discontinued operations	_	1,317	7.412	8.946	8,608	7,871	10
Total liquids produced	126,927	131,839	118,254	91,522	87,817	101,349	96
Net crude oil, condensate and natural gas							
liquids sold - barrels per day							
United States	20,114	17.053	10.668	12,989	21,112	25.897	19
Canada – light	43	18	46	596	443	563	
heavy	5,988	6,813	8,484	11,524	12,613	11,906	
offshore	11,343	12,455	16,690	18,839	15,360	22,443	26
synthetic	13,273	12,855	12,546	12,948	11,701	10,593	11
Malaysia	68,975	72,575	61,907	16,018	11,986	13,818	11
United Kingdom Republic of the Congo	4,177 5,428	2,445 973	5,739	5,218	6,678	8,303	10
Continuing operations	129,341	125.187	116.090	78.132	79.893	93.423	85
	123,341		7 774				
Discontinued operations	-	1,162		9,470	10,349	9,821	
Total liquids sold	129,341	126,349	123,854	87,602	90,242	103,244	90
Net natural gas sold – thousands of cubic feet per day							
United States	53,037	54,255	45,785	45,139	56,810	70,452	88
Canada	85,563	54,857	1,910	9,922	9,752	10,323	13
Malaysia – Sarawak	154,535	28,070		-	-	-	
- Kikeh	58,157	46,583	1,399		0.700		
United Kingdom	5,509	3,501	6,424	6,021	8,700	9,423	109
Continuing operations Discontinued operations	356,801	187,266	55,518	61,082	75,262	90,198	105
Total natural gas sold	356,801	187,266	55,518	61,082	75,262	90,198	140
Net hydrocarbons produced - equivalent barrels1 per day	186,394	163.050	127.507	101,702	100.361	116.382	120
Estimated net hydrocarbon reserves - million equivalent barrels12	455.2	439.2	402.8	405.1	388.3	353.6	3

Murphy Oil Annual Report 2010, page 5.

Murphy

Cell: 19

Comment: Rick Heede:

"The Company, headquartered in El Dorado, Arkansas, was originally incorporated in Louisiana in 1950 as Murphy Corporation. It was reincorporated in Delaware in 1964, at which time it adopted the name Murphy Oil Corporation. But, the Company's roots go back to a lumber and banking business in South Arkansas and, more directly, to 1907, when the first oil production was established in the Caddo Field in North Louisiana. Thereafter, oil and gas were important phases of the business. Until the mid 1930's however, oil and gas remained subordinate to timber operations and banking.

Today, Murphy Oil Corporation is a worldwide oil and gas exploration and production company with marketing operations in the United States and the United Kingdom, including a refinery in Milford Haven, Wales. The Company's farm, timber and real estate subsidiary was spun-off to shareholders in 1996 and is now known as Deltic Timber Corporation.

Business activities are conducted by wholly-owned subsidiaries while Murphy Oil Corporation acts as a holding company. Murphy Exploration & Production Company, (Murphy EXPRO) is engaged worldwide in crude oil and natural gas exploration and production. Murphy EXPRO is headquartered in Houston, Texas. Murphy Oil USA, Inc., (MOUSA) is engaged in marketing and transportation of petroleum products in the U.S. These are high-volume, low-cost retail gasoline stations, primarily in the parking areas of Wal-Mart Supercenters. The first Murphy USA station was opened in December 1996. MOUSA also operates a network of 6 terminals. These terminals, along with numerous third-party terminals, provide fuel supply to our retail network and wholesale customers throughout 23 states. Murphy Oil Company, Ltd., (MOCL) is engaged in crude oil and natural gas exploration and production in the Eastern Hemisphere, and refining, marketing and transporting of petroleum products in the United Kingdom primarily under the MURCO® brand. The Company owns a 130,000 barrel-a-day refinery in the Milford Haven, Wales. MEOC is headquartered in 5t. Albans, Hertfordshire, England. Murphy Sataba Oil Co. Ltd., Murphy Peninsular Malaysia Oil Co. Ltd. In 1999, Murphy opened an office in Kuala Lumpur to oversee www.murphyoolicorp.com/about/default.aspx (Anil 2012)

Cell: D11

Comment: Rick Heede:

On this worksheet we report extractive data for each company or state-owned enterprise. Three columns under crude oil and natural gas allow for data reported in one of three formats (e.g., thousand barrels per day, or million barrels per year, or million tonnes per year). Coal is normally reported in U.S. or metric tonnes per year. Note: the carbon content of the extracted resources is adjusted by a number of factors before emissions estimates are made in the worksheet 1 to the left. Most important is the subtraction of the fraction

Note: the carbon content of the extracted resources is adjusted by a number of factors before emissions estimates are made in the worksheet 1 to the left. Most important is the subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. See the comment for each extracted resource for detailed discussions of the combusted vs sequestered fractions.

Cell: H12

Comment: Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil. Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide"). "SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day.

Cell: F50 Comment: Rick Heede:

CMS cites OGJ400 crude oil production data for 1983-1996, in million bbl per year.

Cell: J50

Comment: Rick Heede:

CMS cites OGJ400 natural gasl production data for 1983-1996, in billion cf per year.

Cell: M50 Comment: Rick Heede:

No gas production data in OGJ400 for 1983; CMS assumes 95 percent of 1984 production.

Cell: D64

Comment: Rick Heede: Murphy Annual report 2001, page 9, "net crude oil, condensate, and NGLs production, bbl per day" for 1997-2001.

Cell: F64 Comment: Rick Heede:

Murphy Oil Corp AnnRpts 2001 and 2008 for 1997-2008 data. Plus 2010 AnnRpt.

Cell: H64

Comment: Rick Heede:

Murphy Annual report 2001, page 9, "net natural gas sold" - million cf per day for 1997-2001.

Cell: J64 Comment: Rick Heede:

Murphy Oil Corp AnnRpts 2001 and 2008 for 1997-2008 data. 2009 and 2010 from AnnRpt 2010.

Cell: D69

Comment: Rick Heede:

Murphy Annual report 2008, page 6, "net crude oil, condensate, and NGLs production, bbl per day" for 2002-2008.

Cell: H69

Comment: Rick Heede:

Murphy Annual report 2008, page 6, "net natural gas sold" - million cf per day for 2002-2008.

Cell: D76

Comment: Rick Heede: AR 2010 pg 7 total liquids produced

Cell: H76

Comment: Rick Heede: AR 2010 pg 7 total natural gas sold; big jump from 2008 noted; sales figures for 2004-2008 consistent with AR 2010

Cell: D78 Comment: Rick Heede:

Murphy Oil AnnRpt 2013, page 2, operating highlights, "net crude oil and gas liquids produced, thousand bbl per day."

Cell: H78

Comment: Rick Heede:

Murphy Oil AnnRpt 2013, page 2, operating highlights, "net natural gas sold, million cf per day."

Cell: D81 Comment: Rick Heede:

Murphy Oil Form 10-K for 2016, p. 28. CAI lists net crude and NGL produced (not sold). US ~45%, Canada ~15% (including 2.766 kbpd heavy oil, 4.637 kbpd synthetic), and Malaysia ~35%.

Cell: H81

Comment: Rick Heede:

Murphy Oil 10-K, page 28. "Net natural gas sold," US ~53 Mcfpd, Canada ~209 Mcfpd, Malaysia ~116 Mcfpd.

Cell: D83 Comment: Rick Heede:

Murphy Oil 10-K for 2018, page 30. Net crude and condensate (92.1 thousand bpd in 2018) plus NGL (9.6 thousand bpd). Production data for 2016-2018. Tables reproduced below.

Murphy

Cell: H83

Comment: Rick Heede:

Murphy Oil 10-K for 2018, page 30. Net natural gas production for 2016-2018 (2018: 422.8 million cfpd). Table reproduced below.

Cell: L84

Comment: Rick Heede:

Oil & Gas Journal OGJ150, September 2018, page 34.

Cell: L108

Comment: Rick Heede:

CLIMATE CHANGE

On issues of global warming and climate change, Murphy shares the concerns of our shareholders, employees and community. As a company, we recognize that our planet has experienced periods of global

warming as well as global cooling. As of 2012, nine of the previous 12 years have been the warmest of the 21st century since modern records began in 1861. According to NASA's Goddard Institute, 2005 was the warmest year on record, and while the data is incomplete, 2010 appears to have sustained this trend.

The need to advance our knowledge notwithstanding, it is incumbent upon all of us to do what is possible to mitigate the potential impact of greenhouse gases (GHG) on our environment, as well as prepare to adapt to unavoidable changes in the climate system.

Murphy, in consultation with some of the foremost climate experts and scientists in the world that have been studying the issue for nearly a decade, developed in 2008, a corporate set of "Guiding Principles for Climate Change", that is current today, to assist Murphy in communicating to our employees, the public and policy makers our position as climate change events unfold throughout the world. We are a financial sponsor and actively participate in the Massachusetts Institue of Technology Joint Program on the Science and Policy of Global Change since 1998.

With this in mind, Murphy has initiated a series of actions designed to produce a measured and verifiable inventory of greenhouse gas emissions. We began in 2001 and have continued a program of conducting and establishing verifiable, third party measurement of our greenhouse gas emissions annually. Refinement of our emission surveys have continued through the years. A three-year (2009-2011) emission trend and review of Murphy climate change initiatives can be reviewed here. Murphy continues to evaluate a number of cost effective initiatives designed to reduce our greenhouse gas emissions. As these initiatives are implemented, we will monitor our progress through annual emission surveys.

While our program is clearly nascent, we believe with the advent of new technologies and programs such as carbon sequestration, various offsets and trading mechanisms, and reduced flaring, it may be possible for Murphy to continue reducing greenhouse gas emissions on an absolute basis despite growth in our upstream operations. This will benefit not just our shareholders, but our community and world at large. www.murphyoilcorp.com/Responsibility/Health-Safety-Environment/#Environment

Viewed 24 September 2013