

WORLD SULFUR PRODUCTION

Petroleum derived as of Jan. 1, 2014

Leena Koottungal, Survey Editor

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
ALBANIA					Rafineria de Petroleo Manguinhos SA—Rio de Janeiro, RJ	ref. gas	Sulferox/Dow	1.8	0.8
Albpetrol—Ballshi	ref. gas		60.0	—	BULGARIA				
ARGENTINA					Neftochim—Bourgas	ref. gas		70.0	63.0
Repsol YPF SA—La Plata	ref. gas	Claus	60.0	30.0	CANADA				
Lujan de Cuyo	ref. gas	Claus	60.0	30.0	AEC—Sinclair, Alta.	nat. gas	Claus	150.0	99.3
Shell Cia. Argentina de Petroleo SA—Buenos Aires	ref. gas	Claus	15.0	15.0	Altagas—Bantry, Alta.	nat. gas	Claus	5.0	0.5
ARUBA					Rainbow Lake, Alta.	nat. gas	Claus	15.0	11.7
Valero Energy Corp.—San Nicolas	ref. gas	Claus	300.0	275.0	Anadarko Canadian Corp.—Cypress, Alta.	nat. gas	Claus	3.3	3.3
AUSTRALIA					Hays, Alta.	nat. gas	Claus	9.9	5.1
BP PLC (Bulwer)—Bulwer Island	ref. gas		35.0	—	Progress, Alta.	nat. gas	Claus	49.5	34.1
BP PLC (Kwinana)—Kwinana, W.A.	ref. gas	Claus	70.0	16.0	Anderson Exploration Ltd.—Carstairs, Alta.	nat. gas	Claus	64.8	9.0
Caltex Refineries NSW—Kurnell, N.S.W.	ref. gas	Claus	24.0	15.0	Wimborne, Alta.	nat. gas	Mod. Claus	235.0	157.0
ExxonMobil Corp.—Adelaide, S.A.	ref. gas	Claus	31.0	—	Apache Canada Ltd.—Zama, Alta.	nat. gas	Claus	30.0	21.0
Altona, Vic.	ref. gas	Locat	10.0	—	Atco Midstream—Brazeau River, Alta.	nat. gas	Claus	300.0	254.9
Shell Refining (Australia) Pty. Ltd.—Clyde, N.S.W.	ref. gas	Claus/DEA	105.0	10.0	Carbondale, Alta.	nat. gas	Locat	1.4	1.2
Geelong, Vic.	ref. gas	Claus/Scot	145.0	53.0	Golden Spike, Alta.	nat. gas	Sulferox	26.2	7.0
AUSTRIA					Watelet, Alta.	nat. gas	DGA	3.3	2.0
OMV AG—Aderklaa 1	nat. gas	Claus/Scot	40.0	35.0	BP PLC—Bigstone, Alta.	nat. gas	2 bed Claus	385.0	385.0
Schwechat	ref. gas	Claus	180.0	105.0	Brazeau River, Alta.	nat. gas	Mod. Claus/Cold bed absorption	450.0	439.0
BELARUS					Caroline, Alta.	nat. gas	2 bed Claus	8.6	6.0
Slavneft—Mozyr	ref. gas		85.0	—	Caroline (Garr), Alta.	nat. gas	Recycle	10.4	1.0
BELGIUM					East Crossfield, Alta.	nat. gas	3 bed Claus & CBA	1,797.0	344.0
Belgian Refining Corp.—Antwerp	ref. gas	Claus	108.0	97.0	Kaybob South, Alta.	nat. gas	3 bed Claus & Sulfreen	1,090.0	341.2
ExxonMobil Corp.—Antwerp	ref. gas	Claus/IFP	355.0	355.0	Windfall, Alta.	nat. gas	Claus	1,333.0	328.5
Fina Raffinaderij Antwerpen—Antwerp	ref. gas	Claus	650.0	347.6	Bonavista—Carstairs, Alta.	nat. gas	Claus	10.0	6.0
Petroplus—Antwerp	ref. gas		30.0	—	Burlington Resources—Sturgeon Lake S.	nat. gas	Claus	200.0	185.0
BRAZIL					Canadian 88—Garrington, Alta.	nat. gas	Claus	590.4	318.0
Petrobras—Araucaria, Parana	ref. gas	Claus	65.0	45.0	Olds, Alta.	nat. gas	Claus	404.0	300.0
Betim, MG	ref. gas	Claus	73.0	50.0	Canadian Natural Resources Ltd.—Gold Creek, Alta.	nat. gas	Claus	50.0	35.1
Canoas, RS	ref. gas	Claus	21.9	18.0	Harmattan, Alta.	nat. gas	Claus	81.5	25.0
Capuava, Maua, SP	ref. gas	Claus	9.0	—	Canadian Occidental Petroleum Ltd.—Balzac, Alta.	nat. gas	Claus/Sulfreen	900.0	420.0
Cubatao, SP	ref. gas	Claus	70.0	—	Chariot—Sturgeon Lake South	nat. gas	Claus	35.0	29.4
Duque de Caxias, RJ	ref. gas	Claus	62.0	—	Chevron Canada Ltd.—Burnaby, B.C.	ref. gas	Claus/SuperClaus	22.0	14.0
Mataripe, Bahia	ref. gas	Claus	72.0	—	Kaybob South, Alta.	nat. gas	Claus	3,500.0	959.2
Paulinia, SP	ref. gas	Claus	217.0	—	Medicine Lodge, Alta.	nat. gas	Mod. Claus	57.0	54.0
Sao Jose Campos, SP	ref. gas	Claus	173.0	30.0	Conoco Corp.—Brazeau River, Peco, Alta.	nat. gas	Claus	110.0	110.0
Petroflex SA—Duque de Caxias, RJ	ref. gas	Claus	40.0	35.0	Homeglen-Rimbey, Alta.	nat. gas	Claus	127.5	44.0
Rafineria de Petroleo Ipiranga SA—Rio Grande, RS	ref. gas		1,648.0	18.0					

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Strachan, Alta.	nat. gas	Mod. Claus/ Cold bed absorption	953.0	453.1
Consumers Cooperative Refineries Ltd.—Regina, Sask.	ref. gas	Claus/Sul- freen	420.0	405.0
Devon Energy Corp.— Savannah Creek, Alta.	nat. gas	Claus	500.0	403.0
Wimborne, Alta.	nat. gas	Claus	120.0	89.6
DCP Midstream Inc.—Fort Nelson, BC	nat. gas		63.5	63.5
McMahon, BC	nat. gas		74.6	74.6
Nevis, Stettler, Alta.	nat. gas	Claus	300.0	92.3
Pine River, BC	nat. gas		333.2	333.2
Dynergy—Okotoks, Alta.	nat. gas	Claus	577.0	256.0
Encana Corp.—Saddle Hills, Alta.	nat. gas	SuperClaus	475.4	324.3
Sinclair, Alta.	nat. gas	Sulfinol	122.0	86.6
Esprit Exploration Ltd.— Garrington, Alta.	nat. gas	Claus	300.0	298.7
ExxonMobil Corp.—Lone Pine	nat. gas	2 Claus/1 SuperClaus	165.0	—
Gibson—Rainbow, Alta.	nat. gas		22.6	6.0
Husky Oil Operations Ltd.—Prince George, BC	ref. gas		7.0	—
Rainbow Lake, Alta.	nat. gas	Mod. Claus 2 stage	142.0	2.0
Strachan, Alta.	nat. gas	Claus	4,572.0	1,848.9
Imperial Oil Resources— Bonnie Glen, Alta.	nat. gas	Mod. Claus	34.5	8.4
Dartmouth, NS	ref. gas		53.0	—
Edmonton, Alta.	ref. gas		49	40.0
Nanticoke, Ont.	ref. gas		100.0	—
Quirk Creek, Alta.	nat. gas	Claus/MCRC	301.2	271.6
Redwater, Alta.	nat. gas	Claus	11.0	1.9
Sarnia, Ont.	ref. gas		172.0	—
Keyspan—Brazeau River, Ferrier, Alta.	nat. gas	Claus	46.5	39.0
Homeglen Rimbey	nat. gas	Claus	200.0	35.6
Strachan, Alta.	nat. gas	Claus	200.0	152.1
Mazeppa Processing Part- nership—High River, Alta.	nat. gas	Claus/CBA	567.0	250.0
Mobil Oil Canada Ltd.— Lone Pine Creek South, Alta.	nat. gas	Claus	162.0	95.0
Nexen—Wascana Cross- field	nat. gas	Claus	400.0	330.6
North Atlantic Refining Ltd.—Come by Chance, Newf.	ref. gas	Claus	200.0	100.0
Northstar—Savanna Creek, Alta.	nat. gas	Claus	789.4	789.4
Novagas Canada Ltd.— Zama, Virgo, Shekille, Alta.	nat. gas	Claus	74.0	45.0
Penn West Energy—Cross- field, Alta.	nat. gas	Claus	300.0	282.3
Minnehik-Buck Lake, Alta.	nat. gas	Claus	37.5	8.0
Petro-Canada—Banshee, Alta.	nat. gas		1,095.1	703.0

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Boundary Lake, BC	nat. gas		1.4	1.4
Brazeau, Alta.	nat. gas	3 bed MCRC	447.3	358.8
Edmonton, Alta.	ref. gas	Claus	56.0	—
Gold Creek, Alta.	nat. gas	Claus 2 stage	97.0	52.0
Hanlan, Alta.	nat. gas	Claus	1,000.0	757.3
Mississauga, Ont.	ref. gas	Claus	41.0	—
Oakville, Ont.	ref. gas	Claus	44.0	—
Wildcat Hills, Alta.	nat. gas	Claus 2 stage	280.3	171.0
Pioneer—Swalwell, Alta.	nat. gas	Claus	3.2	3.2
Poco Petroleum—Sturgeon Lake, Alta.	nat. gas	Claus	98.0	64.0
Shell Canada Ltd.—Burnt Timber, Alta.	nat. gas	Claus/Super Claus	500.0	326.3
Caroline, Alta.	nat. gas	2 bed Claus/Scot	5,441.0	4,458.4
Cochrane, Alta.	nat. gas	Claus	619.0	389.0
Jumping Pound	nat. gas	Claus	500.0	311.1
Sarnia, Ont.	ref. gas	2 bed Claus	55.0	—
Scotford, Alta.	ref. gas	2 bed Claus	11.0	10.0
Waterton, Alta.	nat. gas	Mod. Claus/ Scot	2,660.0	1,439.9
Solex Gas Processing Corp.—Harmattan-Elkton	nat. gas	Mod. Claus	460.0	18.2
Sulconam Inc.—Montreal, Que.	ref. gas	Claus 3 stage	300.0	90.0
Suncor Inc.—Fort McMur- ray	nat. gas	Claus/TGTU	500.0	—
Fort McMurray	nat. gas	Claus/TGTU	800.0	—
N. Rosevear, Alta.	nat. gas	Claus 3 stage	115.0	60.2
Progress, Glacier, Alta.	nat. gas	Claus	2.5	1.0
S. Rosevear, Alta.	nat. gas	Claus 3 stage	171.0	41.6
Simonette, Alta.	nat. gas	Claus 3 stage	120.0	22.6
Sunoco Inc.—Sarnia, Ont.	ref. gas	Claus	53.4	32.0
Syncrude Canada Ltd.— Mildred Lake, Alta.	ref. gas	Mod. Claus/ Sulfreen	1,835.0	1,560.0
Talisman—Edson, Pine Creek, Alta.	nat. gas	Claus	342.6	204.0
Teepee, Webster, Alta.	nat. gas	Claus	23.0	12.0
TriLink—Bonanza, Alta.	nat. gas	Claus	3.1	3.1
Taylor NGL LP—Didsbury, AB	nat. gas	Amine, MCRC	80.0	16.0
Ultramar Ltd.—St. Romuald, Que.	ref. gas	Claus	50.0	22.0
CHILE				
Refineria de Petroleo Con- con SA—Concon	ref. gas	Claus	30.0	10.0
CHINA				
Petrochina Co. Ltd.—Dian- jiang	ref. gas		16.0	—
Wepec—Dalian	ref. gas		300.0	—

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
COLOMBIA				
Empresa Colombiana de Petroleos—Barrancabermeja	ref. gas	Claus	80.0	35.0
Barrancabermeja	ref. gas	Mod. Claus	35.0	—
CROATIA				
INA Refinery Rijeka—Rijeka	ref. gas	Claus	50.0	20.0
CYPRUSS				
Cypruss Petroleum Refinery Ltd.—LaMaca	ref. gas	Claus	12.0	4.0
CZECH REPUBLIC				
Czech Refining Co.—Kralupy	ref. gas	Claus	185.0	112.0
Litvinov	ref. gas	Claus	24.0	12.0
DENMARK				
Dansk Shell AS—Fredericia	ref. gas	Claus/Scot	20.0	11.0
Kuwait Petroleum Refining AS—Gulfhaven	ref. gas	Claus	48.0	9.3
ECUADOR				
Petroecuador—Esmeraldas	ref. gas		62.0	—
La Libertad	ref. gas		63.0	—
EGYPT				
Alexandria Petroleum Co.—Alexandria	ref. gas	Claus	41.0	12.0
Middle East Oil Refinery—Alexandria	ref. gas	Claus/TGT	290.0	200.0
Nasr Petroleum—El-Suez	ref. gas	Claus	175.0	—
Suez Petroleum Processing Co.—El-Suez	ref. gas	Claus	82.0	12.0
FINLAND				
Fortum Oil and Gas Oy—Naantali	ref. gas	Claus	60.0	53.0
Porvoo	ref. gas	Claus	360.0	160.0
FRANCE				
Cie. de Raffinage et de Distribution Total France—Gonfreville l'Orcher	ref. gas	Claus	215.0	—
La Mede	ref. gas	Claus	200.0	—
Cie. Rhenane de Raffinage—Reichstett-Vendenheim	ref. gas	Claus	107.0	40.0
Elf France—Donges	ref. gas	Claus	210.0	68.1
Feyzin	ref. gas	Claus	118.0	53.2
Grandpuits	ref. gas	Claus	125.0	31.0
Lacq	nat. gas	Claus/Sulfreen	2,121.0	2,183.0
ExxonMobil Corp.—Fos sur Mer	ref. gas	Claus	110.0	72.0
Port Jerome	ref. gas	Claus/Sulfreen	280.0	100.0
Societe des Petroles Shell—Berre l'Etang	ref. gas	Claus	189.0	78.0
Petit-Couronne	ref. gas	Claus/Scot	165.0	90.0
Ste. Raffinerie BP et Elf—Dunkirk	ref. gas	Claus	194.0	178.0

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			Design capacity	Production
GERMANY				
Bayernoil Raffineriegesellschaft GmbH—Ingolstadt	ref. gas	Claus	30.0	10.0
Neustadt	ref. gas	Claus	194.0	28.0
Vohburg	ref. gas	Claus/Sulfreen	72.0	23.0
DEA Mineraloel AG—Heide/Grasbrook	ref. gas	Claus	55.0	20.0
Wesseling	ref. gas	Claus	220.0	50.0
Deutsche BP Aktiengesellschaft Erdol Raffinerie Elmsland—Lingen	ref. gas	Claus/Scot/Sulfreen	112.0	50.0
Deutsche Shell AG—Godorf	ref. gas	Claus/Scot	170.0	70.0
Harburg	ref. gas	Claus/Scot	99.0	33.0
ExxonMobil Corp.—Ingolstadt	ref. gas	Claus/Sulfreen	70.0	60.0
ExxonMobil Norddeutsche Erdgas Aufbereitung GMBH—Voigtei	nat. gas	Claus	1,050	270
Mineraloelraffinerie Oberrhein GMBH & Co. KG—Karlsruhe	ref. gas	Claus/Sulfreen	360.0	—
Mitteldeutsche Erdoel-Raffinerie GMBH—Leuna	ref. gas	Claus	410.0	219.0
OMV AG—Burghausen	ref. gas	Claus	34.4	17.0
PCK Raffinerie GMBH—Schwedt	ref. gas	Claus/Scot	480.0	400.0
Veba Oel/Ruhr Oel—Gelsenkirchen	ref. gas	Claus/Scot/Sulfreen	576.0	180.0
Wilhelmshavener Raffinerie GMBH—Wilhelmshaven	ref. gas	Claus	50.0	10.0
Wintershall AG—Ruetenbrock	nat. gas	Claus	8.0	4.0
GREECE				
Hellenic Petroleum—Aspropyrgos	ref. gas	Claus/CBA/Super Claus	240.0	160.0
Thessaloniki	ref. gas	Claus	40.0	28.0
Motor Oil Hellas Corinth Refineries SA—Aghii Theodori	ref. gas	Claus	147.0	80.0
Petrolas Hellas—Elefsis	ref. gas	Claus	26.0	—
HUNGARY				
MOL Hungarian Oil & Gas Co.—Szazhalombatta	ref. gas	Claus	226.0	145.0
Tiszaujvaros	ref. gas	Claus	21.0	11.0
INDIA				
Bharat Petroleum Co. Inc.—Numaligarh, Assam	ref. gas		4.0	—
Chennai Refinery—Manali, Madras	ref. gas		17.0	—
Hindustan Petroleum Corp. Ltd.—Mahul	ref. gas		138.0	—
Visakhapatnam	ref. gas		162.0	—
Indian Oil Co.—Panipat	ref. gas		84.0	—
Kochi Refineries Ltd.—Kerala	ref. gas		144.0	100.0
Reliance Petroleum Ltd.—Jamnagar	ref. gas		1,250.0	—

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
INDONESIA				
ExxonMobil Corp.—Arun	ref. gas	Claus	230.0	—
PT Badak NGL—East Kalimantan	nat. gas		61.6	53.3
IRAN				
National Iranian Gas Co.—Bushehr	nat. gas	Claus	1,390.0	1,360.0
Khoraszan	nat. gas	Claus	1,200.0	752.0
Khoraszan	nat. gas	Claus	650.0	—
National Iranian Oil Co.—Arak	ref. gas	Claus	60.0	44.0
Bandar Abbas	ref. gas	Claus	130.0	92.0
Isfahan	ref. gas	Claus	70.0	73.0
Kharg Island	nat. gas	Claus	540.0	495.0
Shiraz	ref. gas	Claus	30.0	5.0
Tabriz	ref. gas	Claus	80.0	22.0
Tehran	ref. gas	Claus	100.0	23.0
Razi Petrochemical Co.—Bandar Imam	nat. gas	Claus	180.0	127.0
IRELAND				
Phillips 66 Co.—Whitegate	ref. gas	Redox	4.0	2.0
ISRAEL				
Oil Refineries Ltd.—Ashdod	ref. gas	Claus/SuperClaus	110.0	90.0
Haifa	ref. gas	Claus TGT	90.0	74.0
ITALY				
Agip Plas SPA—Livorno	ref. gas	Claus	60.0	—
Agip Raffinazione SPA—Sannazzaro	ref. gas	Claus	90.0	36.0
Taranto	ref. gas	Claus	121.0	55.0
API Raffineria di Ancona SPA—Falconara	ref. gas	Claus	120.0	55.2
ENI Agip—Vigevano	ref. gas	Claus	30.0	—
ExxonMobil Corp.—Augusta, Siracusa	ref. gas	Claus	200.0	—
Iplom SPA—Busalla	ref. gas	Claus	30.0	20.0
Isab SPA—Priolo Gargallo	ref. gas	Claus	645.0	315.0
Italiana Energia E Servizi SPA—Mantova	ref. gas		60.0	—
Raffineria di Milazzo SPA—Milazzo	ref. gas	Claus/Scot/Comprimo	414.0	310.0
Raffineria di Roma SPA—Rome	ref. gas	Claus	42.0	17.1
Saras SPA—Sarroch	ref. gas	Claus	490.0	—
Sarlux SRL—Sarroch	ref. gas	Claus	280.0	—
Sarpom—Trecate	ref. gas	Claus	40.0	45.0
Tamoil Raffinazione SPA—Cremona	ref. gas	Claus	30.0	14.5
JAPAN				
Cosmo Oil Co. Ltd.—Ichihara, Chiba	ref. gas	Parsons/Uhde	450.0	312.0
Sakai, Osaka	ref. gas	Parsons/Pan American	140.0	81.0
Sakaide, Kagawa	ref. gas	Parsons/Uhde	265.0	87.0

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			Design capacity	Production
Yokkaichi, Mie	ref. gas	Parsons	200.0	118.0
Fuji Oil Co. Ltd.—Sodegaura, Chiba	ref. gas	Comprimo/Parsons	360.0	186.0
General Sekiyu KK—Sakai, Osaka	ref. gas	Parsons/Claus	353.0	—
Idemitsu Kosan Co. Ltd.—Chita, Aichi	ref. gas	Uhde	436.0	300.0
Ichihara, Chiba	ref. gas	Uhde/Parsons	600.0	260.0
Tomakomai, Hokkaido	ref. gas	Comprimo/Parsons	395.0	280.0
Shunan, Yamaguchi	ref. gas	Uhde	5.0	4.0
Japan Energy Corp.—Chita, Aichi	ref. gas	Claus	2.0	2.0
Kurashiki, Okayama	ref. gas	Claus	640.0	610.0
Kashima Oil Co. Ltd.—Kashima	ref. gas	Parsons	240.0	210.0
Koa Oil Co. Ltd.—Yamaguchi	ref. gas	Comprimo/Parsons	220.0	86.0
Mitsubishi Oil Co. Ltd.—Mizushima	ref. gas		540.0	—
Nihonkai Oil Co. Ltd.—Toyama	ref. gas	Parsons	30.0	27.0
Nippon Mitsubishi Petroleum Refining Co. Ltd.—Mizushima, Okayama	ref. gas	Amoco/Parsons	480.0	258.0
Muroran, Hokkaido	ref. gas	Parsons	350.0	207.0
Negishi, Kanagawa	ref. gas	Parsons	660.0	329.0
Onoda, Yamaguchi	ref. gas	Comprimo	225.0	119.0
Sendai, Myagi	ref. gas	Parsons/Comprimo	510.0	318.0
Takaishi, Osaka	ref. gas	Parsons	100.0	64.0
Okinawa Sekiyu Seisei Co. Ltd.—Okinawa	ref. gas	Comprimo	300.0	160.0
Showa Shell Sekiyu KK—Kawasaki	ref. gas	Claus/Scot	100.0	61.0
Showa Yokkaichi Sekiyu Co. Ltd.—Yokkaichi	ref. gas	Claus/Scot	640.0	340.0
Toa Oil Co. Ltd.—Kawasaki	ref. gas	Claus	380.0	214.0
Kawasaki	ref. gas	Claus	380.0	214.0
ExxonMobil Corp.—Chiba	ref. gas		190.0	—
Kawasaki	ref. gas	Claus	420.0	—
Sakai	ref. gas	Claus	340.0	—
Wakayama	ref. gas	Claus	140.0	—
JORDAN				
Jordan Petroleum Refinery Co. Ltd.—Zerka	ref. gas	Claus	22.0	—
KAZAKHSTAN				
PetroKazakhstan—Shymkent	ref. gas		60.0	—
Kazakoil—Pavlodar	ref. gas		64.0	—
TengizChevroil—Tengiz	nat. gas		4,000.0	—
KUWAIT				
Kuwait National Petroleum Co.—Mina Abdulla	ref. gas	Claus	1,200.0	800.0

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
Mina Al-Ahmadi	ref. gas-trains 1-4; nat. gas-trains 5-6	Claus	1,616.0	1,152.2	NORWAY				
Shuaiba	ref. gas/nat. gas	Mod. claus	1,398.0	497.0	ExxonMobil Corp.—Slagen	ref. gas	Claus	20.0	12.0
LIBYA					Norske Shell—Sola	ref. gas	Claus	22.0	6.0
AGIP Gas BV—Mellitah	nat. gas	Claus	810.0	—	PHILIPPINES				
Libya National Oil Co.—Marsa El Brega	nat. gas	Claus	155.0	47.0	Caltex (Philippines) Inc.—Batangas	ref. gas	Claus	40.0	25.0
Zuetina Oil Co.	nat. gas		6,538.5	3,028.2	Petron Corp.—Limay	ref. gas	Claus	71.0	25.0
LITHUANIA					Pilipinas Shell Petroleum Corp.—Tabangao	ref. gas	Claus	90.0	61.0
JSC Mazeikiu Nafta—Mazeikia	ref. gas		198.0	—	POLAND				
MALAYSIA					Polish Oil & Gas—Debno	nat. gas		130.0	—
Petronas—Melaka	ref. gas		200.0	—	Rafineria Gdanska SA—Gdansk	ref. gas	Claus	24.0	20.0
MARTINIQUE					PORTUGAL				
Societe Anonyme de la Raffinerie des Antilles—Fort de France	ref. gas	Sulferox	15.0	10.0	Petroleos de Portugal—Porto	ref. gas	Claus	45.0	—
MEXICO					Sines	ref. gas	Claus	178.0	—
Petroleos Mexicanos—Cactus, Chis.	nat. gas	SuperClaus	2,000.0	609.0	PUERTO RICO				
Cadereyta N.L.	ref. gas	Claus	71.2	35.6	Caribbean Petroleum Corp.—Bayamon	ref. gas	Claus	34.0	—
Cd. Pemex, Tab.	nat. gas	SuperClaus	680.0	570.6	Shell Chemical Yabucoa Inc.—Yabucoa	ref. gas	Claus	54.0	30.0
Madero, Tam.	ref. gas	Claus	99.5	60.1	QATAR				
Matapionche, Ver.	nat. gas	Claus	54.2	12.9	National Oil Distribution Co.—Umm Said	ref. gas	Claus	260.0	78.0
Minatitlan, Ver.	ref. gas	Claus	71.2	66.4	Qatar Liquefied Gas Co. Ltd.—Ras Laffah	nat. gas	Claus	1,350.0	400.0
Nuevo Pemex, Tab.	nat. gas	SuperClaus	680.0	389.7	Qatar Petrochemical Co. Ltd.—Mesaled	nat. gas	Claus/CBA	150.0	112.0
Poza Rica, Ver.	nat. gas	SuperClaus	126.6	24.8	ROMANIA				
Salamanca, Gto.	ref. gas	Claus	153.4	85.3	Arpechim SA—Pitesti	ref. gas	Claus	21.9	21.9
Salina Cruz, Oax.	ref. gas	Claus	143.6	122.9	Petromidia SA—Midia	ref. gas	Claus	87.0	40.0
Tula, Hgo.	ref. gas	Claus	226.0	126.8	Rafo SA—Onesti	ref. gas		23.0	—
NETHERLANDS					RUSSIA				
ExxonMobil Corp.—Rotterdam	ref. gas	Claus/TGC	475.0	485.0	Astrakhangazprom—Astrakhan	nat. gas	Claus	3,380.0	—
Kuwait Petroleum Europort BV—Rotterdam	ref. gas	SuperClaus	171.6	60.0	Astrakhan	nat. gas	Claus	240.0	—
Nederlandse Aardolie Maat. BV—Emmen	nat. gas	Sulfinol Claus	80.0	20.0	Bashneftekhimzavody—Novo-Ufa	ref. gas	Claus	218.0	—
Nerefco—Europort	nat. gas	Claus	140.0	—	Ufa, former Lenin	ref. gas	Claus	72.0	—
Shell Nederland Raffinaderij B.V.—Pernis	ref. gas	Claus/Scot	1,050.0	—	Salavatnefteorgsintez—Salavat	ref. gas	Claus	290.0	—
Total Raffinaderij Nederland NV—Vlissingen	ref. gas	Claus	205.0	—	Sidanco—Saratov	ref. gas	Claus	30.0	—
NETHERLANDS ANTILLES					Surgutneftegaz—Kirishi	ref. gas	Claus	45.0	—
Refineria Isla Curazao SA—Emmastad	ref. gas	Mod. Claus	520.0	460.0	Yukos—Achinsk	ref. gas	Claus	21.0	—
NIGERIA					SAUDI ARABIA				
Kaduna Refinery & Petrochemical—Kaduna	ref. gas	Claus	18.0	5.0	Saudi Aramco—Berri	nat. gas	Claus	3,300.0	1,400.0
NEW ZEALAND					Haradh	nat. gas	Claus	90.0	—
New Zealand Refining Co. Ltd.—Marsden Point	ref. gas	Claus/Scot	159.0	70.0	Hawiyah	nat. gas	Claus	1,380.0	—
					Jeddah	ref. gas	Claus	94.0	66.0
					Ju'aymah	nat. gas	Claus	1,625.0	1,375.0
					Rabigh	ref. gas	Claus	120.0	50.0
					Ras Tanura	ref. gas	Claus	280.0	200.0

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Riyadh	ref. gas	Claus	297.0	208.0
Shedgum	nat. gas	Claus	1,940.0	1,600.0
Uthmaniyah	nat. gas	Claus	1,620.0	1,200.0
Saudi Aramco-Mobil—Yanbu	ref. gas	Claus	300.0	200.0
Petromin-Shell—Al Jubail	ref. gas	Claus	410.0	265.0
SERBIA AND MONTENEGRO				
Raffinerija Nafte Pan-cevo—Pancevo	ref. gas		59.0	—
SINGAPORE				
ExxonMobil Corp.—Jurong	ref. gas	Mod. Claus	545.0	—
Shell Eastern Petroleum Pte. Ltd.—Pulau Bukom	ref. gas	SuperClaus	345.0	280.0
Singapore Petroleum Co. Ltd.—Pulau Merlimau	ref. gas	Claus/SuperClaus	376.5	229.0
SLOVAKIA				
Slovnaft Joint Stock Co.—Bratislava	ref. gas	Claus	74.0	51.0
SOUTH AFRICA				
Caltex Oil SA Pty. Ltd.—Cape Town	ref. gas	Claus	82.0	35.0
Engen Petroleum Ltd.—Durban	ref. gas	Claus/SuperClaus	130.0	70.0
National Petroleum Refiners of South Africa Pty. Ltd.—Sasolburg	ref. gas	Claus	120.0	57.6
Sasol Synthetic Fuels Pty. Ltd.—Secunda	ref. gas		493.0	323.0
South African Petroleum Refineries—Durban	ref. gas	Claus	172.0	140.0
SOUTH KOREA				
Hyundai Oil Refinery Co.—Daesan	ref. gas		180.0	—
Inchon	ref. gas		126.0	—
LG-Caltex Oil Corp.—Yosu	ref. gas	SRU	330.0	200.0
Ssangyong Oil Refining Co. Ltd.—Onsan	ref. gas	Claus	900.0	—
SK Corp.—Ulsan	ref. gas		1,195.0	—
SPAIN				
Compania Espanola de Petroles—Cadiz	ref. gas	Claus	146.0	100.2
Huelva	ref. gas	Claus	115.0	—
Tenerife	ref. gas	Claus	45.0	18.0
Petronor SA—Muskiz	ref. gas	Claus	358.0	—
Repsol YPF SA—Bilbao	nat. gas	Claus	100.0	—
Cartagena	ref. gas	Claus	138.0	133.0
La Coruna	ref. gas	Claus	156.0	114.0
Puertollano	ref. gas	Claus	218.0	214.0
Tarragona	ref. gas	Claus	243.0	63.0
SWEDEN				
AB Nynas Petroleum—Nynashamn	ref. gas	Claus/Clin-sulf	22.0	22.0
Preemraff Goteborg—Goteborg	ref. gas	SRU/TGTU	123.0	10.1
Preemraff Lysekil—Lysekil	ref. gas	Claus/TGT	200.0	156.0

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Shell Raffinaderi AB—Goteborg	ref. gas	Claus/Scot	33.0	12.0
SWITZERLAND				
Petroplus—Cressier	ref. gas	Claus/Scot	35.0	18.0
Tamoil SA—Collombey	ref. gas	Claus	26.0	25.0
SYRIA				
Banias Refinery Co.—Banias	ref. gas	Claus	120.0	60.0
Homs Refinery Co.—Homs	ref. gas	Claus	180.0	30.3
TAIWAN				
Chinese Petroleum Corp.—Kaohsiung	ref. gas	Claus	900.0	900.0
Lin-Yuan	ref. gas	Claus	15.0	15.0
Ta-Lin	ref. gas	Claus	250.0	250.0
Tao-Yuan	ref. gas	Claus	595.0	595.0
THAILAND				
Esso Sriracha Co. Ltd.—Sriracha	ref. gas	Claus	160.0	—
Thai Oil Co. Ltd.—Chonburi	ref. gas	Claus/SuperClaus	388.6	139.4
TRINIDAD				
Petrotrin—Pointe-a-Pierre	ref. gas	Claus	180.0	60.0
TURKEY				
Turkish Petroleum Refineries Corp.—Izmir	ref. gas	Claus	113.0	52.0
Izmit	ref. gas	Claus	137.0	66.0
Kirikkale	ref. gas	Claus	83.0	31.0
UKRAINE				
TNK-Ukratnafta—Kremenchug	ref. gas		90.0	—
Lisichansk	ref. gas		90.0	—
UNITED ARAB EMIRATES				
Abu Dhabi Gas Liquefaction Co. Ltd.—Das Island	nat. gas	Claus	1,100.0	890.0
Abu Dhabi National Oil Co.—Habshan	nat. gas	Claus/CBA	2,105.0	2,010.0
Ruwais	ref. gas	Claus	84.0	65.0
Umm Al-Nar	ref. gas	Claus	35.0	20.0
Bahrain Petroleum Co. BSC—Sitra	ref. gas	Claus	170.0	182.0
Enoc Condensate Processing Ltd.—Jebel Ali Free Zone	nat. gas	Claus	10.0	6.0
Sharjah Oil Refining Co. Ltd.—Hamriyah	ref. gas	Claus	16.0	5.0
UNITED KINGDOM				
BP PLC Refinery Grangemouth Ltd.—Grangemouth, Scot.	ref. gas	Claus	50.0	17.0
BP PLC Oil UK Ltd.—Coryton, Essex, Eng.	ref. gas	Claus	200.0	50.0
Chevron Corp.—Pembroke, Wales	ref. gas	Claus	160.0	60.0
Conoco Ltd.—South Killingholme, Eng.	ref. gas	Claus/SuperClaus	140.0	60.0
Elf Oil UK Ltd.—Milford Haven, Wales	ref. gas	Claus	22.0	14.0

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
ExxonMobil Corp.—Fawley, Eng.	ref. gas	Claus	270.0	87.0
Lindsey Oil & Refining Ltd.—Killingholme South Humberside, Eng.	ref. gas	Claus	130.0	32.6
Mobil Llandarcy Refinery—Llandarcy, Wales	ref. gas		45.0	—
Pembroke Cracking Co.—Milford Haven, Wales	ref. gas	Claus	160.0	60.0
Petroplus International NV—Teeside, Eng.	ref. gas	Sulferox	4.4	3.0
Shell UK Ltd.—Stanlow, Eng.	ref. gas	Claus	210.0	71.0
UNITED STATES				
Alon USA—Big Spring, Tex.	ref. gas	Claus	133.1	104.0
Altura Energy Ltd.—Hockley County, Tex.	nat. gas	2 bed Claus	45.0	27.0
Anadarko Petroleum—Bethel, Tex.	nat. gas	Claus	65.0	12.4
Arco Permian—Yoakum Co., Tex.	nat. gas		—	2.0
Ashland Exploration—Martha, Ky.	sour gas	Mod. Claus	2.6	1.4
Aux Sable Liquid Products LP—Aux Sable, Ill.	nat. gas	Claus	—	—
Bayou South—Quitman, Tex.			—	—
Bear Paw Energy Inc.—Lignite, ND	nat. gas	Claus	15.0	4.4
McKenzie Co., ND	nat. gas	Claus	120.0	49.0
Big West Oil LLC—Salt Lake City, Utah	ref. gas	Claus	4.0	2.0
BP PLC—Andrews County, Tex.	nat. gas	2 bed Claus/CBA	22.0	17.9
Carson, Calif.	ref. gas	Claus	350.0	380.0
Ector County, Tex.	nat. gas	2 bed Claus	30.0	28.4
Eddy County, NM	nat. gas	2 bed Claus	36.0	13.5
Ferndale, Wash.	ref. gas	Claus	215.0	211.0
Mandan, ND	ref. gas	Claus	15.0	6.0
Natrona Co., Wyo.	nat. gas	Locat	1.0	1.0
Park County, Wyo.	nat. gas	2 bed Claus	62.0	25.0
Salt Lake City, Utah	ref. gas	Claus	13.5	5.0
Sweetwater Co., Wyo.	nat. gas	Locat	4.0	2.7
Texas City, Tex.	ref. gas	Claus	1,123.0	886.0
Toledo, Ohio	ref. gas	Claus/Scot	314.0	—
Uinta County, Wyo.	nat. gas	2 bed Claus/CBA	1,200.0	580.1
Whiting, Ind.	ref. gas	Claus	486.0	449.0
Yoakum County, Tex.	nat. gas	Locat	8.0	6.5
Burlington Resources—Lost Cabin, Wyo.	nat. gas	Claus	512.0	200.0
Calumet Lubricants Co. LP—Princeton, La.	ref. gas	Claus	3.0	1.5
Shreveport, La.	ref. gas	CBA	20.0	15.0
Genex Inc.—Laurel, Mont.	ref. gas	Claus	100.0	48.2
Chevron Corp.—Chunchula, Ala.	nat. gas	Claus	20.0	1.0

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Creola, Ala.	nat. gas	Claus	20.0	1.0
Carter Creek, Wyo.	nat. gas	Claus/Stretford	1,057.0	712.0
El Segundo, Calif.	ref. gas	Claus/Wellman/Lord	432.0	—
Evanston, Wyo.	nat. gas	Mod. claus	934.0	355.0
Franklin County, Tex.	nat. gas	Claus	219.0	50.0
Gaviota, Calif.	nat. gas	Selectox/Claus	18.3	6.6
Pascagoula, Miss.	ref. gas	Claus/Stretford	1,179.0	—
Richmond, Calif.	ref. gas	Claus/Wellman/Lord	406.0	—
Salt Lake City, Utah	ref. gas	Claus	19.0	—
Citgo Petroleum Corp.—Corpus Christi, Tex.	ref. gas	Claus/Scot/TGT	313.0	273.0
Lake Charles, La.	ref. gas	Claus/Scot/TGT	685.0	585.0
Lemont, Ill.	ref. gas	Claus/Stretford	382.0	316.0
Coastal Eagle Point Oil Co.—Westville, N.J.	ref. gas	Claus	20.0	17.0
Coastal Refining & Marketing Inc.—Corpus Christi, Tex.	ref. gas	Claus	280.0	220.0
Coffeyville Resources Refining & Marketing LLC—Coffeyville, Ks.	ref. gas	Claus	35.5	20.2
Coffeyville, Ks.	ref. gas	Claus	50.8	20.2
Coffeyville, Ks.	ref. gas	Claus	50.8	43.2
Collet Ventures Inc.—Chatom, Ala.	sour gas	Claus	140.0	70.0
ConocoPhillips—Borger, Tex.	ref. gas	Claus/Scot	345.0	220.0
Chatom, Ala.	nat. gas	Claus	193.0	—
Ponca City, Okla.	ref. gas	Claus	78.0	39.0
Sweeny, Tex.	ref. gas	Claus/Scot	362.0	300.0
Westlake, La.	ref. gas	Claus/TGT	363.0	257.0
Woods Cross, Utah	ref. gas	Claus	10.0	4.0
Crown Central Petroleum Corp.—Pasadena, Tex.	ref. gas	Claus/Scot	25.0	18.0
DCP Midstream Inc.—Artesia, NM	nat. gas	Claus	16.0	14.2
Artesia, NM	nat. gas	Claus/Superclaus	10.0	10.0
Artesia, NM	nat. gas	Mod. Claus	55.9	7.0
Eddy, NM	nat. gas	3 bed Claus	10.0	1.0
Eunice, NM	nat. gas	Claus	64.0	28.3
Fullerton, Tex.	nat. gas	3 bed Claus	60.9	33.9
Goldsmith, Tex.	nat. gas	3 bed Claus	111.8	74.2
Hobbs, NM	nat. gas	Claus	24.0	23.0
Linam Ranch, NM	nat. gas	Claus	50.0	39.2
Oil Center, NM	nat. gas	Claus	27.0	26.0
Dynergy—Eunice, NM	nat. gas	Selectox	13.6	11.8
Fashioning, Atascosa Co., Tex.	nat. gas	Mod. Claus	35.0	24.0
Monument, NM	nat. gas	Claus	29.0	20.0

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
Sand Hills, Crane County, Tex.	nat. gas	Mod. Claus	45.4	36.3	Koch Sulfur Products Co.—Corpus Christi, Tex.	ref. gas	Claus/Scot	235.0	45.0
Saunders Plant, NM	nat. gas	Selectox	14.1	5.9	Pine Bend, Minn.	ref. gas	Claus	800.0	550.0
El Paso Natural Gas Co.—San Juan County, NM	nat. gas	Mod. Claus	53.0	—	Sidney, Mont.	nat. gas	Claus	181.0	40.0
Enbridge Energy Partners—Texarkana, Ark.	nat. gas	Claus	16.0	—	LaGloria Oil & Gas Co.—Tyler, Tex.	ref. gas	Claus/SuperClaus	16.9	13.0
Birthright, Hopkins Co., Tex.	nat. gas	Mod. Claus	30.0	—	Lion Oil Co.—El Dorado, Ark.	ref. gas	Claus	157.0	61.0
Bryan's Mill, Cass Co., Tex.	nat. gas	Claus	100.0	29.0	Lyondell-Citgo Refining Co. Ltd.—Houston, Tex.	ref. gas	Mod. Claus/TGT	1,042.0	586.7
Eustace, Myrtle Springs, Tex.	nat. gas	Claus	812.0	361.0	Marathon Petroleum Co. LLC—Canton, Ohio	ref. gas	Claus/TGT	94.0	41.0
Gilmer, Tex.	nat. gas	Claus	100.0	58.0	Catlettsburg, Ky.	ref. gas	Claus/TGT	406.0	148.0
Harmony, Pachuta, Miss.	nat. gas	Claus	10.0	8.0	Detroit, Mich.	ref. gas	Claus/TGT	407.0	296.0
Indian Rock, Upshur Co., Tex.	nat. gas	Claus	20.0	5.0	Galveston Bay, Tex.	ref. gas	Claus/TGT	1,317.0	687.0
Pittsburgh, Camp Co., Tex.	nat. gas	Claus	75.0	65.0	Garyville, La.	ref. gas	Claus/TGT	1,339.0	1,097.0
Plum Creek, Freestone Co., Tex.	nat. gas	Claus	15.0	—	Robinson, Ill.	ref. gas	Claus/TGT	183.0	152.0
Teague, Tex.	nat. gas	Claus	20.0	9.0	Texas City, Tex.	ref. gas	Claus	36.0	8.0
Tilden, No 1 & 2, Tex.	nat. gas	Claus	90.0	24.0	Marathon Oil Co.—Artesia, NM	nat. gas	3 bed Claus	22.7	24.4
Ergon Refining Inc.—Newell, W. Va.	ref. gas	Sulferox	1.0	1.0	Cody, Wyo.	nat. gas	3 bed Claus	4.7	5.4
Vicksburg, Miss.	ref. gas		27.0	15.0	Jonesville, Mich.	nat. gas	Locat	0.3	0.2
ExxonMobil Corp.—Baton Rouge, La.	ref. gas	3 reactor Claus	690.0	—	Midgard Energy Co.—Sunray, Tex.	nat. gas	Claus/SuperClaus	14.0	8.0
Baytown, Tex.	ref. gas	Claus	1,550.0	—	Mobil Exploration & Producing—Mobile, Ala.	nat. gas	Claus/Scot	470.0	246.4
Beaumont, Tex.	ref. gas	3 reactor Claus	560.0	—	Montana Sulphur & Chemical Co.—East Billings, Mont.	ref. gas	Claus/SuperClaus	250.0	100.0
Chalmette, La.	ref. gas	Claus	870.0	—	Motiva Enterprises LLC—Convent, La.	ref. gas	Claus	711.2	—
Joliet, Ill.	ref. gas	3 reactor Claus	580.0	—	Port Arthur, Tex.	ref. gas	Claus	2,479.0	1,222.0
Mobile Co., Ala.	nat. gas	3 reactor Claus	275.0	—	Murphy Oil USA Inc.—Meraux, La.	ref. gas	Claus	120.0	72.0
Santa Barbara, Calif.	nat. gas	3 reactor Claus	88.0	—	Superior, Wis.	ref. gas	Claus	30.0	13.0
Santa Rosa Co., Fla.	nat. gas	3 reactor Claus	200.0	—	National Cooperative Refinery Association—McPherson, Kan.	ref. gas		81.0	81.0
Torrance, Calif.	ref. gas	6 reactor Claus	380.0	—	Navajo Refining Co.—Artesia, NM	ref. gas		30.0	—
Farmland Industries Inc.—Coffeyville, Kan.	ref. gas	Claus	137.1	83.6	North Tier Energy LLC—St. Paul Park, Minn.	ref. gas	Claus/TGT	111.0	40.0
Frontier Oil & Refining Co.—Cheyenne, Wyo.	ref. gas	Claus	115.0	85.0	Orion Refining Corp.—Norco, La.	ref. gas		290.0	100.0
El Dorado, Kan.	ref. gas	Claus	250.0	190.0	Oxy USA—Escambia Co., Ala.	nat. gas	3 reactor Claus	500.0	—
Giant Refining Co.—Bloomfield, NM	ref. gas	Sulferox	1.5	0.9	Paramount Petroleum Corp.—Paramount, Calif.	ref. gas	Claus	40.0	10.0
Hess Corp.—Seminole, Tex.	nat. gas	Claus	81.3	48.6	Pasadena Refining System Inc.—Pasadena, Tex.	ref. gas	Claus	25.0	17.4
Tioga, ND	nat. gas	Claus	228.6	69.4	Petro-Hunt—Little Knife, Dunn Co., ND	nat. gas	Claus	125.0	—
Hunt Refining Co.—Tuscaloosa, Ala.	ref. gas	Claus/O2 enrichment	100.0	60.0	Placid Refining Co.—Port Allen, La.	ref. gas	Claus	28.0	18.0
	ref. gas	Claus/O2 enrichment	100.0	60.0	Port Arthur Coker Company—Port Arthur, Tex.	ref. gas	Claus/Scot	942.0	848.0
Inland Resources—Woods Cross, Utah	ref. gas		1.4	0.7	Premcor—Delaware City, Del.	ref. gas	Claus	579.0	399.0
Kern Oil & Refining Co.—Bakersfield, Calif.	ref. gas	Sulferox	4.5	3.5	Pursue Energy Corp.—Thomasville, Miss.	nat. gas	Claus	1,245.0	—

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
San Joaquin Refining Co. Inc.—Bakersfield, Calif.	ref. gas	Claus	3.0	2.8	TP Gas Co.—Albany, Tex.	nat. gas		—	—
Shell Deer Park Refining Co.—Deer Park, Tex.	ref. gas	Claus	1,085.0	800.0	TransAmerican Refining Corp.—Norco, La.	ref. gas		290.0	—
Shell Norco Refining Co.—Norco, La.	ref. gas	Claus	140.0	—	Tristar Gas Co.—Pyote, Tex.	nat. gas	Claus	20.0	2.7
Shell Oil Products Co.—Anacortes, Wash.	ref. gas	Claus	150.0	150.0	US Oil & Refining Co.—Tacoma, Wash.	ref. gas	Claus	10.0	5.0
Bakersfield, Calif.	ref. gas	Claus	103.0	—	United Refining Co.—Warren, Pa.	ref. gas	Pritchard/TPA	80.0	35.0
Carson, Calif.	ref. gas	Claus	285.0	—	Valence Midstream Ltd.—Como, Hopkins Co., Tex.	nat. gas	Claus	80.0	61.0
Denver Unit, Tex.	nat. gas	Claus	4.0	—	Valero Energy Corp.—Ardmore, Okla.	ref. gas	Claus	99.7	82.4
Goodwater, Miss.	nat. gas	Claus	50.0	—	Benicia, Calif.	ref. gas	Claus	275.0	138.0
Manistee Co., Mich.	nat. gas	Claus	25.0	—	Corpus Christi, Tex.	ref. gas	Claus	470.0	250.0
Martinez, Calif.	ref. gas	Claus/Stretford	432.0	—	Denver, Colo.	ref. gas	Claus	4.0	1.5
Mobile Co., Ala.	nat. gas	Claus	60.0	—	Houston, Tex.	ref. gas	Claus	247.0	109.0
Saraland, Ala.	ref. gas	Claus/Scot	20.0	7.0	Houston, Tex.	ref. gas	Claus	193.0	85.0
Wilmington, Calif.	ref. gas	Claus	245.0	245.0	Lima, Ohio	ref. gas	Claus	52.0	50.0
Sinclair Oil Corp.—Casper, Wyo.	ref. gas	Claus	20.0	5.6	Memphis, Tenn.	ref. gas	Claus/Scot	40.0	45.0
Tulsa, Okla.	ref. gas		19.0	—	Paulsboro, NJ	ref. gas	Claus	230.0	183.0
Snyder Oil—Fremont County, Wyo.	nat. gas	2 bed Claus	25.0	16.0	Sunray (McKee), Tex.	ref. gas	Claus	79.0	60.0
Southern Union Gas Services—Barstow, Tex.	nat. gas	Claus	18.0	1.2	Texas City, Tex.	ref. gas	Claus	902.0	525.0
Coyanosa, Tex.	nat. gas	Claus	20.0	4.9	Three Rivers, Tex.	ref. gas	Claus	50.8	27.4
Jal, NM	nat. gas	Claus	20.0	17.0	Wilmington, Calif.	ref. gas	Claus	250.0	230.0
Kermit, Tex.	nat. gas	Selectox	20.0	9.6	Versado Gas Processors—Monument, Lea Co., NM	nat. gas	Mod. Claus	32.0	19.4
Suncor Energy—Commerce City, Colo.	ref. gas	Mod. Claus	90.0	60.0	West Texas Gas Processing LP—Howard, Tex.	nat. gas	Claus	10.0	6.0
Sunoco Inc.—Philadelphia, Pa.	ref. gas	Claus	270.0	36.0	Western Gas Resources, Inc.—San Juan River, NM	nat. gas	Claus	45.7	5.0
Toledo, Ohio	ref. gas	Claus	55.1	53.6	Western Refining Co.—El Paso, Tex.	ref. gas	Claus/Stretford	58.0	—
Tesoro Alaska Petroleum Corp.—Kenai, Alas.	ref. gas		20.0	—	Wyoming Refining Co.—Newcastle, Wyo.	ref. gas	Locat	3.0	2.7
Tesoro Hawaii Petroleum Co.—Kapolei, Ha.	ref. gas	Claus/Scot	34.5	20.0	VENEZUELA				
Tom Brown Inc.—Lisbon Valley, Utah	nat. gas	Selectox/Claus	29.4	22.1	Petroleos de Venezuela SA—El Palito, Puerta Cabello	ref. gas	Claus	44.0	—
Tonkawa Gas Processing Co.—Coyanosa, Tex.	nat. gas	Claus	29.7	6.1	Puerto La Cruz, Anoaategui	ref. gas	Claus	18.0	17.0
Freestone County (Aker), Tex.	nat. gas	Claus	180.0	48.8	Paraguana Refining Center—Judibana, Falcon	ref. gas	Claus/Sulfreen	1,454.0	1,004.0
Torch Operating Co.—Lompac, Ca.	nat. gas		2.0	0.5	Sincor Ca—Jose, Anzoategui	ref. gas	Claus	800.0	—
Tosco Refining Co.—Belle Chasse, La.	ref. gas	Claus/Scot	70.0	—	Total World	181,542.4		84,332.5	
Ferndale, Wash.	ref. gas	Claus	42.0	40.0	Total US	44,460.4		19,729.5	
Linden, NJ	ref. gas	Claus/Beavon Stretford	392.0	90.0	Total Canada	42,704.1		23,264.3	
Los Angeles, Calif.	ref. gas	Claus/BSRP/Scot	410.0	340.0					
San Francisco, Calif.	ref. gas	Claus/Scot	560.0	460.0					
Trainer, Pa.	ref. gas	Claus	160.0	35.0					
Wood River, Ill.	ref. gas	Claus	435.0	—					
Total Petrochemicals Inc.—Port Arthur, Tex.	ref. gas	Claus	264.0	195.0					