Petroleum Supply Monthly

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Energy Information Administration Washington, D.C.



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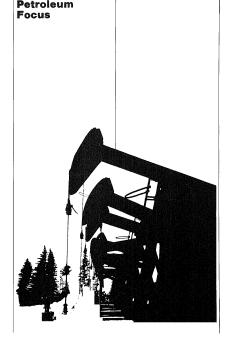
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Petroleum Supply Summary

Production Production Crude Oil, Netural Gas Liquids, and Other* 10.3 10.2 0.0 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10.4 0.0 10.3 10.3 10.3 10.5 0.0 10.3 10.3 10.3 10.6 0.0 10.3 10.3 10.3 10.7 0.0 10.3 10.3 10.3 10.3 10.8 0.0 10.3 10.3 10.3 10.3 10.3 10.8 0.0 10.3 10.3 10.3 10.3 10.3 10.3 10.3	Cumuletive J April Through A		pril	А		
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Distillate Fuel Cil 2-9 2-7 7-3 3-1 2-8						
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Other Products 4.2 4.2 -0.2 4.6 4.3 Total 15.2 14.8 -2.8 15.3 15.0						
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SPRIOR						mports
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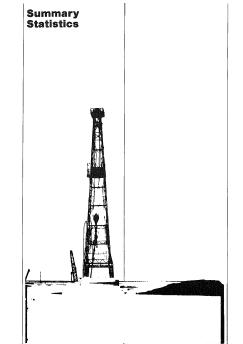
¹ Includes alcohol and other hydrocerbon liquids. 2 Excludes Strategic Petroleum Reserve (SPR).

³ Including blending components.

⁽s) = Less than 0.05 million barrels per day. NOTE: Percent changes are based on unrounded values. April 1984 date are estimates based on weekly date, except

for exports, NGL production, other hydrocerbons, and elcohol which are March 1984 monthly values. Totals may not be equal to sum of components due to independent rounding. Source: Energy Information Administration, Petroleum Supply Monthly, March 1984.





Crude Oil' and Petroleum Products Overview

		F	ield Productio	on	Stock W	lthdrawal?		Ending Stacks ³
		Total Domestic ⁴	Crude Oti	Netural Gea Plant Production	Crude Oli ⁵	Petroleum Producto	Petroleum Products Supplied	Crude OE and Petroleum Producte
				Thousend Bar	rels per Day			Million Barrels
1973	AVERAGE	10,975	9,208	1,739	11	-146	17,308	1.008
1974		10,498	8,774	1,888	-62	-117	16,853	6 1,074
1975		10,045	8.375	1,633	8 -17	9 -145	16,322	1,133
1976	AVERAGE	9,774	8,132	1,603	-09	96	17,461	1,112
1977	AVERAGE	9,913	8,245	1,618	-170	-378	18,431	1,312
1978	AVERAGE	10,328	8,707	1,567	-78	172	18,847	1,278
1878	AVERAGE	10,179	8,552	1.584	~148	-25	18,513	
1980	AVERAGE	10,214	8,597	1,573	-98		18,513	1,341
1951		10,230	8,572	1,000	8 ~290	-42	17,058	9 1,392
		10,230	0,072	1,009	° ~290	6 130	16,058	1,484
1952	January	10,128	8,509	1,578	~401	1,298	16.124	1.456
	Fetruary	10,312	8,702	1,583	-242	1,230	16,001	1,428
	March	10,284	8.687	1.572	121	1,047	15,560	1,392
	April	10,186	8,591	1.542	-37	1,583	16,048	1,348
	May	10.244	8.683	1.518	29	-86	14.847	1,347
	June	10.212	8,546	1.511	40	-489	14,998	1,360
	July	10,229	8,658	1,513	-147	-926	14,821	
	August	10.215	8,834	1,524	-440	-44	14,839	1,393
	Sectember	10,278	8,701	1.518	263	-447		1,408
	October	10,299	8,701	1,530	-64B		15,022	1,414
	November	10,358	8.697	1,609	-048 -388	-67	14,859	1,432
	Occember	10,276	8,598	1,628	128	-361	15,009	1,455
	AVERAGE	10,252	8,649	1,828		888	15,487	s 1,430
		10,252	8,049	1,550	-156	283	15,296	
1883	January	10.356	8,834	1.668	-567	6 885	14.765	1.453
	February	10,298	8,660	1,685	-382	1,128	14,772	1,432
	March	10,259	8.877	1,544	56	1.765	15,484	1,375
	Aget	10,229	8,886	1.502	-438	431	14,778	1,378
	May	10.231	8,682	1,483	68	-759	14.250	1,370
	June	10.262	8,675	1,514	-163	-242	15,281	1,397
	July	10.237	8.847	1.536	118	-922	10,281	1,409
	August	10,257	8,653	1.561	=781	-289	14,913	1,434
	Septembar	10.323	8,686	1,598	-191	-200	15,366	1,487
	October	10,317	8,654	1,604			15,396	1,492
	November	10,310	8,624	1,636	-180	-466	14,947	1,512
	Qecember	10.188	8,612		182	-128	15,533	1,510
	AVERAGE	10,272	8,656	1,533	~306	2,150	16,691	1,453
		,	0,656	1,564	-215	239	15,184	
1884	January	10,282	8,659	1,585	-342	1,085	16,726	1,430
	February	10,410	8,726	1.623	186	-1,353	15,725	
	March*	10,354	8,718	1,586	8 -2	-1,353 FI 643		1,464
	Apal**	NA	888.8	NA	-685	-141	R 16,017	R 1,444
	AVERAGE	NA	8,697	NA.	-164	-141 #3	15,184	1,453

I Includes lease condensate

Inclusies was currently indicates an increase in stocks and a positive number indicates a decrease.

3 Stocks are totals as of and of period.

Solous and router as at your of proces
 Includes crude of, natural gits plant production, other hydroperbons, and alcohol.
 Includes crude finated in the Strategic Petroleum Reserve.
 The Strategic Petroleum Reserve.

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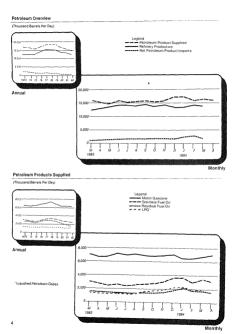
vous respondents were added to surveys affecting stocks ns. See Explanatory Note 10.

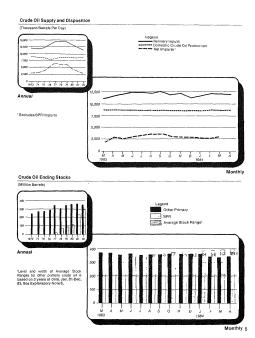
Crude Oil¹ and Petroleum Products Overview (continued)

			Imports			Exports		
		Total	Cruda Olic	Petroleum Products	Total	Crude Oil	Petroleum Products	Net ⁷ Import
				Thous	and Sarrels pe	r Day		
973	AVERAGE	6.256	3,244	3.012	231	2	229	6,028
	AVERAGE	8,112	3,477	2,835	221	3	218	5,892
974		8,112 8,066	4,105	1,951	209	6	204	6,848
975	AVERAGE			2,028	223	š	216	7,090
976	AVERAGE	7,313	5,287	2,026		50	193	8,665
977	AVERAGE	8,807	8,615	2,193	243		204	8,002
978	AVERAGE	8,363	6,356	2,008	382	158 235	204	7,984
979	AVERAGE	8,458	6,519	1,837	472			
980	AVERAGE	8,909	6,283	1,848	544	287	258	8,368
981	AVERAGE	6,996	4,386	1,589	595	228	387	6,401
982	Jenuery	5,332	3,893	1,639	829	238	591	4,600
	Februery	4.807	2,990	1,817	804	304	499	4,000
	Merch	4,484	2.874	1,610	882	321	561	3,60
	April	4,378	2,849	1.529	788	174	611	3,590
	May	4.811	3,309	1,503	803	282	542	4,00
	June	5.327	3,636	1,491	703	94	809	4,62
	July	5.890	4.248	1,842	741	229	512	5.14
	August	5,244	3.851	1,392	858	334	554	4,38
	September	5,414	3.836	1,778	791	184	806	4.62
	October	5.306	3,870	1,636	932	270	662	4.37
	November	5,744	3,862	1,682	788	282	524	4,96
		4,906	3,002	1,805	860	193	667	3.74
	December AVERAGE	5,113	3,488	1,825	815	236	579	4,29
		4.372	2,936	1,434	973	117	858	3.39
183	January	3.891	2,266	1.423	865	262	803	2.82
	February March	3,529	2,200	1,398	801	174	627	2.82
			3,154	1,590	808	88	721	3,93
	April	4,744		1,884	848	260	568	4.04
	May	4,898	3,234		774	144	630	4,44
	June	5,218	3,502	1,716	571	145	426	5.11
	July	5,690	3,868	1,822				5.37
	August	6,036	4,174	1,863	883	172	491 507	5.40
	September	8,068	4,221	1,887	684	177		
	Octobar	5,258	3,448	1,810	578	140	436	4,88
	November	9,188	3,312	1,856	879	168	494	4,48
	December	4,986	3,214	1,772	839	95	544	4,34
	AVERAGE	4,988	3,303	1,886	739	184	878	4,24
984	January	5,347	3,029	2,318	575	163	422	4,77
	Fabruary	5,843	2,952	2.691	582	185	397	5,06
	Margh*	R 5,263	B 3,455	R1,796	840	238	605	4,41
	April**	4,961	3,443	1,518	NA	NA.	NA.	N/
	AVERAGE	5,298	3,222	2,076	NA	NA	NA	N/

Note: Geographic coverage is the 50 United States and the Dietrict of Columbia.

Total may not equal sum of components due to independent rounding. Source: See the last page of this section.





Crude Oil1 Supply and Disposition

		L			Sup	ply			
		Flatd Pro	duction		Importe		Stock Wit	hdrawal ³	
		Total Domestic	Alasken	Total	SPR4	Other	SPR ⁴	Other	Unac- counted for Crudi Oil
		1			Thousand Se	rrela per Da	,		
973	AVERAGE	9,208	198	3,244		3,244		11	
974	AVERAGE	8,774	193	3,477		3,477		-65	-25
975	AVERAGE	8,375	191	4,105		4,105		-17	17
976	AVERAGE	8,132	173	5.287		5,287		-39	23
977	AVERAGE	8.245	454	8,615	21	6,594	-20	-150	
978	AVERAGE	8.707	1,228	6,358	162	8,195	-163	84	-57
979	AVERAGE	8.552	1,401	6,519	67	8,452	-67	-81	-11
02.1		8.597	1,617	5,263	44	5,219	-45	-81 -52	
381		8,572	1,809	4,396	256	4,141	-336	-52 6 46	83
982	January	8,509	1.705	3,693	170	3,523	-159	-242	101
	February	8,702	1.707	2,990	158	2.830	-213	-29	15
	March	8,667	1,898	2,874	185	2,689	-235	357	101
	April	8,591	1,691	2,849	190	2,009	-233	198	
	May	8.683	1,707	3,369	204	3,105	-233		23
	June	8,646	1,565	3,836	105			205	11
						3,732	~105	144	133
	July	8,658	1,710	4,248	97	4,150	-97	-50	-26
	August	8,634	1,697	3,851	208	3,643	-208	-232	18
	September	8,701	1,705	3,636	139	3,497	-143	406	-21
	October	8,701	1,706	3,670	216	3,454	-218	-332	24
	November	8,697	1,676	3,862	180	3,683	-179	-219	-12
	December	8,598	1.682	3,600	124	2.877	-125	252	35
	AVERAGE	8,849	1,698	3,488	185	3,323	-174	38	7
883	January	8,624	1,898	2,938	219	2.720	-219	-348	238
	February	8,660	1,725	2,268	197	2.071	-197	-185	423
	March	8,677	1,726	2.232	201	2.031	-184	240	134
	April	8,686	1,710	3,154	205	2,949	-197	-241	19:
	May	8,682	1,710	3,234	259	2,945	-293	362	146
	June	8.676	1,710	3.502	190	3,312	-188	25	480
	July	8,647	1.705	3,868	274	3,594	-264	382	-74
	August	6,653	1.712	4.174	350	3,823	-258	-423	333
	September	8.866	1.722	4.221	309	3,912	-307	116	-6
	October	8,654	1,722	3,446	202	3,912	-201	21	-60
	November	8,624	1,713	3,312	171	3,244	-135	217	137
	December	8,612	1,713	3,312	193		-252	-55	
	AVERAGE	8,656	1,713	3,214	193 234	3,021	-252	-55 19	-141 159
	January	8,659	1,741	3.029	200	2,829	~173	-169	
704									451
	February	6,726	1,740	2,952	85	2,868	-98	282	487
	March*	8,718	1,740	R 3,455	R 148	R 3,307	R -147	R 145	66
	April**	8,888	1,725	3,443	145	3,297	-146	-339	NA.
	AVERAGE	8.697	1,736	3,222	146	3.677	-141	-23	NA

Stocks are totals as of and of period.
 A negative number indicates an increase in stocks and a positive number indicates a decrease.

Strategic Petroleum Reserva.

Stategy recruisem everens.

Beginning in January 1983, crude oil used directly as fuel is shown as product supplied lacks of Alaskan crude oil in transit were included beginning in Jenuary 1981. Stock wholevarvals are calculated using new basis stock levels. See Explanatory Note 11, tectus confinued on following page.

Crude Oil¹ Supply and Disposition (continued)

		Supply		Dispo	altion		Er	ding Stock	2
		Crude Used Directly ⁵	Crude Losses	Refinery Inputs	Exporta	Producte Supplied ⁵	Total Crude Oll	SPR4	Other Primary
			Thous	and Barrels ;	er Day		м	Illion Barrel	•
973		-19	13	12,431	2	NA	242		242
974		-15	13	12,133	3	NΔ	265		285
975		-17	13	12,442	6	NΔ	271		271
976	AVERAGE	-16	15	13,416	8	NΔ	285		285
977	AVERAGE	-14	16	14,602	50	NA	348	7	340
978	AVERAGE	-14	16	14,739	158	NA	376	87	308
979	AVERAGE	-13	16	14,848	235	NA	430	91	338
980	AVERAGE	-13	15	13,481	287	NA	8 486	108	8 356
981	AVERAGE	-68	5	12,470	228	NA	594	230	383
582		-63	3	11,599	238	NA	606	235	371
	February	-64	2	11,236	304	NA	613	241	372
	March	-63	5	11,276	321	NA.	609	249	361
	April	-65	3	11,392	174	NA.	610	256	355
	May	-62	3	11,806	262	NA.	609	261	348
	June	-60	7	12,494	94	NA.	606	264	344
	July	~60	3	12,446	229	NA	613	267	346
	August	~57	2	11,871	304	NA.	626	274	353
	Septembar	-56	4	12,146	184	NA.	619	278	341
	October	-51	2	11,749	270	NA.	636	285	351
	November	-51	1	11,724	262	NA.	648	290	358
	December	-53	1	11,514	193	NA	844	294	350
	AVERAGE	-59	3	11,774	216	NA			
183	January	NA	2	11,070	117	54	661	301	361
	February	NA.	3	10,635	262	69	672	306	386
	March	NA	2	10,854	174	70	670	312	359
	April	NA	2	11,436	88	68	684	318	366
	May	NA	1	11,789	280	63	681	327	355
	June	NA.	1	12,287	144	64	695	332	354
	July	NA.	2	12,247	145	55	683	341	342
	August	NA.	1	12,141	172	64	707	352	356
	September	NA.	- 1	12,445	177	66	713	361	352
	October	NA.	- 1	11,784	140	63	718	367	351
	November	NA.	2	12,003	106	64	713	371	341
	December	NA.	- 1	11,217	95	87	722	379	342
	AVERAGE	NA	1	11,672	164	85			
134	Jenuary	NA	1	11,579	153	64	733	384	348
	February	NA	1	12,100	185	65	727	387	340
	March*	NA.	2	H11,938	236	62	R 728	392	R 338
	April**	NA.	NA	11,805	NA.	NA.	742	397	345
	AVERAGE	NA.	NA.	11,876	NA	NA			

Footnotes continued.

Sae Explanatory Note 9.2
 Sae Explanatory Note 9.2
 Italian denote estimates based upon preliminary data. See Explanatory Note 8.
R — Revised data. NA — Not available.
Note: Geographic coverage is the 50 United States and the District of Columbia. Total may not equal sum of components due to independent rounding. Source: See the last page of this section

Crude Oil and Petroleum Product Imports

					- 1	mports fro	m OPEC	Sources1				
		Algerio	Libye	Saudi Arabia	United Areb Emirates	Indo- neels	Iran	Nigeria	Vene- zuela	Other OPEC ²	Total OPEC	Total Arab OPEC
						Thousand	Barrels	per Day				
1973	AVERAGE	138	164	488	71	213	223	459	1,135	106	2,993	91
1974	AVERAGE	180	4	461	74	300	469	713	979	88	3,280	75
975	AVERAGE	282	232	715	117	390	280	782	702	122	3,601	1,38
1976	AVERAGE	432	453	1,230	254	539	218	1,025	700	134	5,088	2,42
1977	AVERAGE	559	723	1,380	335	541	535	1,143	680	287	6,193	3,18
1978	AVERAGE	649	854	1,144	385	573	555	919	845	226	5,751	2,98
1979	AVERAGE	636	658	1,356	281	420	304	1,080	690	212	5,637	3,05
1980	AVERAGE	488	554	1,261	172	348	9	857	481	130	4,300	2,56
1981	AVERAGE	311	319	1,129	81	366	0	820	408	90	3,323	1,84
1982	Jenuary	254	161	877	111	289	0	663	376	128	2,859	1,40
	February	139	92	693	89	244	0	584	355	102	2,297	1,05
	Merch	91	37	555	155	200	0	522	399	91	2.051	86
	April	85	0	511	122	215	0	427	426	85	1,871	74
	May	179	0	601	118	236	0	222	422	54	1,830	89
	June	115	0	593	94	215	72	+537	381	110	2,096	82
	July	159	0	660	108	327	69	810	356	95	2.685	86
	August	181	0	489	133	271	27		299	133	2,107	81
	September	179	0	432	57	191	21	477	518	69	1,343	67
	Optober	249	7	494	61	242	108	313	504	106	2.084	81
	Navember	247	14	489	47	283	34	479	528	115	2.235	75
	December	155	0	237	12	265	88	462	399	73	1.620	40
	AVERAGE	170	26	552	92	248	35	514	412	87	2,146	85
198:	January	204	0	282	47	255	43		324	43	1,384	50
	February	104	0	214	9	217	0	9.2	371	28	1,035	33
	March	63	0	103	0	138	0		425	173	1,023	18
	April	228	0	180	(9)	210	0	186	508	125	1,438	40
	May	284	0	122	12	324	37	352	444	69	1,645	41
	June	300	D	175	40	502	38	402	335	146	1,938	51
	July	282	0	182	58	484	112	525	431	187	2,240	58
	August	370	0	426	45	416	213	464	477	230	2,641	81
	September	413	0	597	21	516	86	324	472	206	2,627	1,0
	October	261	0	638	16	368	12	307	337	169	2,108	83
	November	165	0	545	56	318	21	214	435	135	1,891	76
	December	141	0	569	45	291	9	329	408	163	1,957	82
	AVERAGE	235	0	336	29	335	48	284	414	140	1,832	83
188	4 January	242	0	463	114	278	0	243	547	51	1,839	92
	February	348	0	324	33	267	0	244	481	174	1,871	72
	Merch	283	0	307	112	284	67	260	354	127	1,792	71
	AVERAGE	293	0	365	88	276	23	249	460	116	1,867	75

Excludes petroleum imported into the United States indirectly from CPEC countries, primarily from Cariobase and West European cress, as refined politicum products.

which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwart, and Gater.
³ Includes Algene, Libya, Saudi Arebia, United Areb Emiretes, Iraq, Kuwait, and Cater.

Includes Algene, Libya, Saudi Arede,
 Footnotes continued on following page

Crude Oli and Petroleum Product Imports (continued)

Imports from Non-OPEC Sources 4		

						mports from	n Non-OPE	C Sources	4			
		Beho- mee	Coneda	Mexico	Nethor- lands Antiles	Trinided bne OgedoT	United Kingdom	Puerto Rico	Virgin letends	Other Non OPEC	Total Non OPEC	Total imports
						Thousa	nd Berrels	per Day				
1973	AVERAGE	174	1,325	16	585	255	15	99	328	465	3,283	6,286
1974	AVERAGE	184	1,070	8	511	251	8	90	391	340	2,832	0,112
1975	AVERAGE	152	846	71	332	242	14	90	408	300	2,454	6,056
1976	AVERAGE	118	599 517	87 179	275 211	274 289	31 128	88 105	422 408	353 550	2,247	7,313 8,807
1978	AVERAGE AVERAGE	160	487	318	211	263	180	84	428	484	2,613	8,363
1878	AVERAGE	147	538	439	228	190	202	92	431	548	2,519	8,458
1990	AVERAGE	78	455	633	225	176	178	88	388	491	2,609	6,809
1981	AVERAGE	74	447	522	197	133	376	82	327	534	2,672	5,896
1041	AVERAGE		441	024	107	100	010			304	2,012	5,000
1982	Jenuery	58	513	425	178	106	246	62	334	452	2,474	5,332
	February	87	537	476	221	120	181	38	362	508	2,510	4,807
	Merch	43	437	503	188	118	294	82	307	480	2,433	4,484
	April	82	360	476	184	186	247	36	266	890	2,507	4,378
	Mey	77	419	766	152	95	516	47	302	807	2,981	4,811
	June	32	481	797	148	129	667	58	322	708	3,231	5,327
	July	84	536	783	158	118	433	38	378	689	3,204	5,890
	August	80	443	863	145	106	520	24	317	660	3,137	5,244
	September	82	483	867	195	89	631	51	278	746	3,472	5,414
	October	45	458	€82	148	109	666	52	282	801	3,222	5,306
	November	51	553	088	212	90	623	81	334 338	708 480	3,506 2,916	5,744 4,806
	December	88	581	889	174	102	438	48 50	316	627	2,986	5,113
	AVERAGE	65	482	885	175	112	468	50	316	627	2,988	0,118
1983	Jenuery	68	536	849	218	73	315	40	288	588	2.968	4,372
	February	82	592	722	179	81	193	50	182	554	2,655	3,691
- 1	Merch	95	488	760	187	78	240	43	162	583	2,606	3,829
	April	167	452	981	218	85	421	20	183	781	3,306	4,744
- 1	Mary	135	501	944	153	108	483	42	235	651	3,252	4,898
	June	137	576	831	181	120	424	46	252	712	3,281	6,218
	July	69	633	849	181	103	389	37	364	838	3,450	5,690
	August	142	540	891	184	80	461	40	313	725	3,385	6,036
	September	137	523	832	251	82	472	33	308	822	3,461	8,088
	October	164	539	771	172	106	414	48	370	566	3,149	6,256
	Navember	143	542	717	144	110	334	55	440	783	3,278	5,168
	December	119	592	718	183	113	429	22	271	813	3,030	4,988
	AVERAGE	122	542	822	187	98	381	40	283	684	3,188	4,980
1984	Jenuery	152	624	705	277	54	382	63	390	772	3,408	5,347
.501	Februery	142	620	747	288	77	338	58	418	1.083	3,772	9,643
	Merch	88	726	707	163	83	400	34	247	898	3,460	5,253
	AVERAGE	127	858	719	244	75	374	48	350	847	3,542	5,409

Footnotes continued.

Propriess commission.

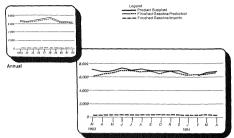
Includes petroloum imported into the United States indirectly from OPEC ocuntries, primerly from Caribboan and West European areas, as reflined petroleum products which were refined from crude all produced in OPEC countries.

which were retined from crude all produced in CPEC countries.

(i) — Lass the 500 barries per disvilegic Petroleum Reserve Imports are included. Total may not equal sum of components due to independent reunaling. Geographic coverage: The 50 United States and the District of Columbia. Source: See the last page of title section.

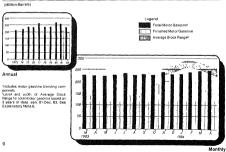
Motor Gasoline Supply and Disposition

(Thousand Barrels Per Day)



Monthly

Motor Gasoline Ending Stocks



Finished Motor Gasoline Supply and Disposition

			Supply			Dlap	oaltion		Ending	Stocka ¹
		Total		Stock		Р	roducta Suppli	led	Total	Finished
		Produc- tion	Importe2	With- drawel ² 3	Exporta	Total	Unlanded ⁴	Unleaded	Motor Gasolines	Motor Gasolina
				Thousand Ba	rrels per Day			Percent of Total	Milion Berrels	
1973	AVERAGE	6.535	134	9	4	6,674	NA.	NA	209	
1974	AVERAGE	6,360	204	-24	2	6.537	NA.	NA	0 218	
1975	AVERAGE	6,520	184	6 -28	2	6,675	NA.	NA	235	
1976	AVERAGE	6.841	131	10	3	8,978	NA.	NA	231	
1977	AVERAGE	7.033	217	-72	2	7,177	1,976	27.5	258	
1978	AVERAGE	7,163	190	54	- 1	7,412	2,521	34.0	238	
979	AVERAGE	6.852	181	2	(9)	7,034	2,798	39.8	237	
1980	AVERAGE	6,506	140	-66	(1)	8,579	3,087	46.6	8 261	
1981	AVERAGE?	6,406	157	9 28	2	8,588	3,264	49.5	253	
982	January	6.187	126	-316	18	5.961	3.067	51.5	261	21
	February	5.899	133	172	a	6.196	3,210	51.8	257	20
	March	5.894	183	334	44	6.466	3,358	51.9	247	19
	April ·	6.095	185	850	33	6.897	3,496	50.7	221	17
	May	6.319	182	177	23	6,656	3,415	513	214	17
	June	6.754	230	-134	14	6.635	3,565	52.2	219	17
	July	6.768	225	-178	24	6,790	3,577	52.7	226	18
	August	6.419	291	-81	16	6.614	3.526	53.3	227	18
	Sectember	6.527	223	~198	22	6,631	3,404	52.1	234	18
	October	8.262	185	-42	15	6,391	3,351	52.1	234	10
	November	6,262	185 211	101	11	6,574	3,351	52.4 52.5	234	18
					7			63.0	4 235	6 16
	December	6,542	178	-165		6,549	3,485		e 235	0 18
	AVERAGE	6,338	197	25	20	8,539	3,409	52.1		
983	January February	6,020 5.848	148 142	6 -186 32	e	5,981 6,022	3,352 3,257	56.0 54.1	251 251	20
								54.1 52.9	224	16
	March	5,897	205	765	23	6,843	3,620		224	
	April	6,202	273	27	1	6,501	3,505	53.9		18
	May	6,386	284	-128	.1	6,540	3,547	64.2	. 225	18
	Juna	6,646	285	118	22	7,008	3,786	54.2	223	18
	July	6,704	297	-210	18	6,773	3,752	55.4	231	19
	August	6,539	260	159	13	6,846	3,936	55,2	226	18
	September	6,582	285	-180	14	6,693	3,671	54.8	230	19
	October	6,188	335	60	2	6,581	3,696	56,2	228	18
	November	6,636	269	-274	2	6,629	3,714	56.0	238	18
	December	6,314	217	340	25	8,846	3,967	57.9	222	18
	AVERAGE	6,332	249	47	10	6,617	3,646	55.1		
984	Jenuary	6,037	233	-1	1	8,288	3,606	57.6	225	18
	February	6,320	303	-384	2	6,237	3,585	57.5	237	18
	March*	R 6,375	R 343	R -197	9	R 6,512	3,747	57.5	R 243	R 20
	April**	6,615	266	-129	NA	6,750	NA.	NA.	245	20
	AVERAGE	6,335	286	-175	NA.	8,442	NA.	NA.		

Stocks are totals as of end of period.

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²⁸⁶ 2 Beginning in 1981, excludes blending components. 3 A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Includes gasohol.

includes motor gaseline blending components.
 in January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks. reported and stock withdrawai calculations. See Explanatory Note 10.

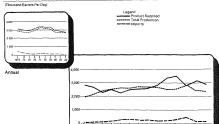
⁷ Bacinning in January 1981, survey forms were modified. See Explanatory Note 12. Source: See the last page of this section.

Sae Explanatory Note 9.3.
 Italias denote estimates based upon prailminary data. See Explanatory Note 8.

R — Revised data. NA = Not available. (a) = Less than 500 barrelle per day.

Note: Geographic coverage is the 50 United States and the District of Columbia. Total may not equal aum of components due to independent rounding.

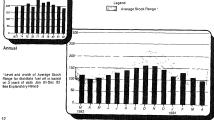
Distillate Fuel Oil Supply and Disposition



15 1983

Distillate Fuel Oil Ending Stocks





Monthly

1984

Distillate Fuel Oil Supply and Disposition

			St	ipply		Disp	paition	Ending Stocks ¹
		Total Production	Imports	Stock Withdrawai ²	Crude Usad Directly ²	Exports	Products Supplied?	
				Thousand Bar	rels per Day			Million Barra
973	AVERAGE	2,822	392	-115	2	9	3,092	196
974	AVERAGE	2.869	289	-9	2	2	2,948	4 200
975	AVERAGE	2.654	155	4 40	2 2	ī	2,851	200
976	AVERAGE	2.924	148	62	1	1	3,133	188
977	AVERAGE	3,276	250	-178	i	i	3,352	250
978	AVERAGE	3,167	173	90	i	á	3,432	216
979	AVERAGE	3,153	193	-34	i	å	3,311	229
980	AVERAGE	2,662	142	84	i	3		4 205
981					10	5	2,886	
	AVERAGE ⁵	2,613	173	1 38			2,828	192
952	January	2,591	97	876	10	90	3,484	164
	February	2,427	132	606	11	90	3,085	147
	March	2,288	48	682	10	84	2,945	126
	April	2,358	59	612	13	84	2,978	108
	May	2,618	74	~183	10	76	2,444	114
	June	2.729	102	-335	10	55	2,452	124
	July	2.734	125	~789	11	24	2,058	148
	August	2.507	80	-339	10	40	2.218	159
	September	2.657	61	-85	12	139	2.507	161
	October	2.838	91	-289		66	2,581	170
	November	2,860	145	-614	, a	24	2,475	186
	December	2,655	109	225	10	143	2,855	4 178
	AVERAGE	2,606	93	35	10	74	2,871	- 170
983	January	2.314	58	4 561	NA	173	2,760	186
	February	2,138	58	742	NA	105	2.832	147
	March	1,991	42	926	NA	59	2,900	119
	April	2,160	73	518	NA.	47	2,713	103
	May	2.444	141	-193	NA	50	2.341	109
	Juna	2,545	175	-154	NA.	40	2,526	114
	July	2,600	250	-558	NA.	55	2,248	131
		2,600	302	-403	NA NA	43	2,487	144
	August September	2,612	253	-403 -374	NA NA	45 37	2,467	144 155
	October	2,725	253 255	-374 -275	NA NA	56	2,568	163
	November	2,879	189	65	NA.	54	2,879	161
	December	2,524	212	675	NA	54	3,358	140
	AVERAGE	2,454	169	124	NA	84	2,682	
	January	2,585	270	676	NA.	40	3,490	119
	Fabruary	2,864	458	-439	NA.	41	2,842	132
	March*	B 2.480	R115	B 727	NA	66	R 3,256	B 110
	April**	2.405	164	389	NA	NA.	2,912	99
	AVERAGE	2,580	249	340	NA	NA	3,131	

¹ Stocks are totals as of and of pencd. A negative number indicates an increase in stocks and a positive number indicates a decrease.

Baginning in January 1983, product supplied for distillate fuel oil doss not include crude oil

used directly. See Explanatory Note: A present warm added to surveys affecting stocks in January 1975, 1981, and 1983, numerous respondents warm added to surveys affecting stocks reported and stock withdrawel calculators. See Explanatory Note 10.

Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

Beginning in samely Net 9, severy come were income and severy seems.

See Explanatory Note 8.

It likes denote estimates bessed upon preliminary data. See Explanatory Note 8.

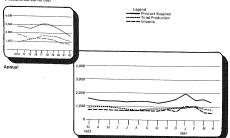
If avised data. NA = N6 available. (e) = Less than 500 barrels per day.

Note: Geographic coverage is the 50 United States and this District of Courtble.

Total may not equal sum of correctients due to independent rounding. Source: See the last page of this section.

Residual Fuel Oil Supply and Disposition

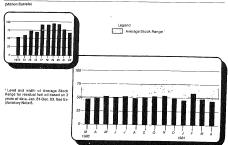
(Thousand Barrels Per Day)



Monthly

Monthly

Residual Fuel Oil Ending Stocks



Residual Fuel Oil Supply and Disposition

						· ·		Stocks.
		Total Produc- tion	Imports	Stock WithdrawsP	Crude Used Directly ²	Exports	Products Supplied ³	
				Thousand Be	rrols per Day			Million Barrets
1973	AVERAGE	971	1,853	5	17	23	2,822	53
1974	AVERAGE	1,070	1,587	-17	13	14	2,839	4 50
1975	AVERAGE	1,235	1,223	12	15	15	2,482	74
1976	AVERAGE	1,377	1,413	5	17	12	2,801	72
1977	AVERAGE	1,754	1,359	-48	13	6	3,071	90
1978	AVERAGE	1,667	1,355	-1	13	13	3,023	90
1979	AVERAGE	1,687	1,151	-15	12	9	2,826	96
1980	AVERAGE	1,580	939	10	12	33	2,508	4 92
1881	AVERAGE:	1,321	800	4 37	48	118	2,088	78
1882	January	1,235	831	301	53	236	2,185	69
	Fobruary	1,186	958	363	53	213	2,344	58
	March	1,123	912	12	53	197	1,903	58
	April	1,166	788	150	52	234	1,923	54
	May	1,128	742	-172	52	191	1,560	59
	June	1,074	652	-57	50	217	1,501	61
	July	1.028	667	56	49	239	1,550	59
	August	965	551	203	47	235	1,531	53
	Saptember	1.008	872	-306	44	148	1,470	62
	October	955	783	-67	43	234	1,490	64
	November	989	837	-94	43	182	1,591	66
	December	989	747	6	43	186	1.598	4 66
	AVERAGE	1,070	778	32	48	209	1,718	
1983	January	935	891	4 243	NA	294	1,574	61
	February	857	632	270	NA.	191	1,568	53
	March	833	383	220	NA.	169	1,569	46
	April	942	743	-10	NA.	310	1,384	47
	Mey	930	709	-139	NA.	190	1,310	51
	June	832	676	28	NA.	219	1,317	50
	July	771	682	-58	NA.	90	1,306	52
	August	706	706	115	NA.	165	1,382	48
	September	815	680	-47	NA.	134	1,324	50
	October	798	634	-56	NA.	153	1,224	61
	November	849	777	-101	NA	167	1,358	54
	December	893	648	173	NA.	141	1,570	49
	AVERAGE	846	689	52	NA	185	1,403	
1984	January	953	1,061	119	NA.	151	1,981	45
	February	1,003	1,107	-420	NA.	87	1,602	59
	March*	R 887	FI 633	R 321	NA.	204	R 1,637	48
	April**	785	820	119	NA.	NA.	1,311	44
	AVERAGE	906	828	42	NA	NA	1,638	

Supply

Ending

Stocka

Disposition

Stocks are totals as of end of period.
 A negative number indicates an increase in stocks and a positive number indicates a decrease.

Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1991, and 1993, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁸ Beginning in January 1981, survey forms were modified. See Explanatory Note 12. See Explenatory Note 9.4. ** Italies denote estimates based upon preliminary data. See Explanatory Note 8.

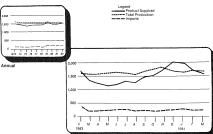
R = Revised data. NA = Not available. 00 = Less than 500 barrels per day.

Note: Gacgraphic coverage is the 50 United States and the District of Columbia. Total may not equal sum of components due to independent rounding.

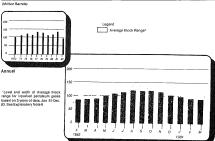
Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition





Liquefied Petroleum Gases Ending Stocks



Monthly

Liquefied Petroleum Geses Supply and Disposition

			Supply			Disposition		Ending Stocks ²
		Total Production	Imports	Stock Withdrawal ²	Refinery Inputs	Exports	Products Supplied	
				Thousand Bar	rols per Day			Million Barre
1973	AVERAGE	1,600	132	-36	220	27	1.449	59
1974	AVERAGE	1,565	123	-38	220	25	1,406	4 113
1975	AVERAGE	1,527	112	4 -36	246	26	1,333	125
1976	AVERAGE	1,635	130	24	260	28	1,404	116
1977	AVERAGE	1,568	181	-55	233	18	1,422	136
1978	AVERAGE	1,537	123	12	238	20	1,413	132
1979	AVERAGE	1,556	217	70	236	18	1,582	111
1980	AVERAGE	1,535	216	-27	233	21	1,469	4 120
1981	AVERAGE	1,571	244	4 -18	289	42	1,466	136
1982	January	1,586	314	443	391	67	1,863	121
	February	1,486	291	243	327	51	1,621	114
	Merch	1,544	223	211	289	74	1,615	108
	April	1,506	188	98	257	77	1,458	106
	May	1,565	186	-71	234	43	1,403	107
	June	1,515	192	-86	262	106	1,254	109
	July	1,476	227	-13	253	37	1,399	110
	August	1,511	125	-45	254	61	1,276	111
	September	1,538	247	37	274	85	1,463	110
	October	1,517	194	97	306	81	1,421	107
	November	1,542	267	175	363	37	1,583	102
	December	1,580	258	259	395	56	1,642	4 94
	AVERAGE	1,528	226	111	300	66	1,499	
1883	Jenuary	1,682	240	4 618	313	118	2,088	84
	February	1,580	305	84	237	76	1,638	81
	March	1,517	166	-51	189	127	1,316	83
	April	1,591	124	-107	198	116	1,232	86
	May	1,545	167	-326	207	84	1,094	96
	June	1,593	172	-333	205	59	1,169	106
	July	1,571	191	-206	217	55	1,284	112
	August	1,505	160	-183	229	29	1,225	118
	September	1,625	178	-23	236	86	1,457	119
	October	1,888	160	-61	268	32	1,487	121
	November	1,784	180	76	361	33	1,648	118
	December	1,644	247	575	359	66	2,043	101
	AVERAGE	1,802	190	6	252	73	1,473	
984	January	1,610	269	4 470	333	23	1,993	93
	February	1,690	237	146	323	41	1,708	86
	March*	1,685	241	12	289	68	1,581	89
	AVERAGE	1,661	249	211	315	44	1.762	

2 Stocks are totals as of end of period

Includes ethane, propane, normal bulane, and isobutane. Beginning in January 1984, unfractionated stream is reported by individual product.

A negative number indicates an increase in stocks and a positive number indicates a decrease.
In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawel calcutations. See Explanatory Note 10.

affecting stocks reported and stock withdrawal calculations. See See Explanatory Note 9.5.

Note: Geographia coverage is the 50 United States and the District of Columbia, Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Other Petroleum Products¹ Supply and Disposition

			Supply			Disposition		Ending Stocka ²
		Total Production	Imports	Stock Withdrawai?	Refinery Inputa	Exporta	Producta Supplied	
				Thousand Ba	rels per Day			Million Barrels
973	AVERAGE	3,693	502	-9	750	166	3.270	208
974	AVERAGE	3,558	432	-28	865	174	3,123	4 218
975	AVERAGE	3,424	277	4-2	537	180	3.002	219
978	AVERAGE	3,643	206	-5	524	175	3,145	220
977	AVERAGE	3,912	205	-27	514	185	3,410	230
978	AVERAGE	4,046	166	14	492	187	3,568	225
979	AVERAGE	4.153	195	-37	352	209	3.749	238
980	AVERAGE	3,956	210	-23	311	158	3,634	4 247
1981	AVERAGE	3,739	226	4.48	723	199	3,088	282
982	January	3,171	269	-7	824	180	2,631	282
	February	3,403	305	-153	663	138	2,755	287
	March	3,466	243	-181	725	161	2,631	293
	Apni	3,400	309	73	796	204	2,790	290
	May	3,317	318	184	824	210	2,785	285
	June	3,547	315	123	812	216	2,954	281
	July	3,660	408	-1	856	187	3,023	281
	August	3,583	348	217	743	202	3,201	274
	September	3,533	375	105	749	213	3,051	271
	October	3,529	383	244	915	256	2,978	284
	November	3,498	423	-28	837	269	2,786	284
	December	3,324	313	356	885	275	2,842	4 253
	AVERAGE	3,453	334	80	787	211	2,859	
1983	January	3,222	297	4 -371	570	271	2,307	271
	February	3,270	297	-1	690	232	2,645	271
	March	3,400	298	-94	570	249	2,786	273
	April	3,353	377	3	596	247	2,901	273
	May	3,448	364	26	694	242	2,902	273
	June	3,674	427	29	715	282	3,197	270
	July	3,703	393	106	757	209	3,237	266
	August	3,774	435	23	689	242	3,302	266
	September	3,861	490	-31	768	235	3,287	267
	October	3,579	427	-124	701	195	2,985	270
	November	3,560	442	101	912	238 257	2,955	267 4 255
	December AVERAGE	3,106	450 388	387 10	877 711	242	2,908	4 255
1004	January	3.391	486	4 _177	561	207	2.831	253
34	February	3,582	586	-256	751	225	2,935	261
	March*	3,562	465	-218	530	258	2,956	288
	AVERAGE	3,492	511	-215	511	230	2,845	

1 Includes pentanes plus, other hydrocarbons and alcohol, unlinished oils, gasoline blending

components and all finished petroleum products except finished motor gasoline, distilleté fuel

oil, residual fuel oil, and liquelised petroleum gases. ² Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.
⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established

In Santary 119, 1961, 1963, etc. 1963, etc. 1963, a man saluk talas with catasteries and stock reported and stock withfrawed calculations. See Explanatory Note 10
 See Explanatory Note 9.6.
Note: Geographic coverage as the 50 United States and the Debtict of Columbia.

Total may not equal sum of components due to independent rounding. Source: See the last page of this section.

Sources

- 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, "Petroleum Statement, Annual" and "PAD Districts Supply/Demand, Annual."
- 1977 through 1980: Energy Information Administration (EIA), Energy Data Reports, "Petroleum Statemant, Annual" and "PAD Districts SupplyDemand, Annual" and unlesded assoline data from Monthly Petroleum Statistics Report.
- 3. January 1981 through December 1982: EIA, Petroleum Supply Annual.
- January 1983 through March 1984: Detailed statistics in appropriate Issues of the Petroleum Supply Monthly, (See Explanatory Notes 9,1 through 9.6).
- April 1984: Estimates based on EIA weekly data (except domestic crude oil production)(see Explanatory Note 1.1).
- Jenuary 1983 through April 1984: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey, (See Explanatory Note 3).







Table 1. U.S. Petroleum Balance, March 1984

		Curren		Yes	o-date
		Thousand Berwis	Thousand Remais per Day	Thousend berrels	Thousand Borrel
	ude Of Enclating Lease Condensated				
9	ude CB (INCAKIng Lease Concensus) Reid Production				
(13	Aleske	E 23.940	1.740	E 158.374	1.740
čž	Lower 48 States	E 218,212	5,676	€ 833,336	8,960
ča)	Total U.S.	E 270,252	6.718	E 791,712	6,700
· ·	(et imports				
(4)	Imports (Gross Explyding SPR)	102,518	2,307	273,375	3,004
(iii)	SPR (reports	4,575	146	13,224	145
(8)	Exports	7,204	238	17,397	191
o,	Imports (Net Including SPR)	99,781	3,216	286,201	2,868
	Other Sources				
(8)	SPR Withdrawel (+) or Addition (-)	-4,558	-147	-12,703	-140
(9)	Other Stock Withdrewel (+) or Addition (-)	4,405	145	7,485	62
10)	Product Supplied end Losses	-1,894	-84	-5,623	-60
11)	Unecounted for 1	2,034	68	30,141	381
12)	Total Other Sources	-31 270.012	1	18,948	208
(13)	rude input to Refineries	370,012	11,638	1,070,661	11,667
N (14)	rtural Ges Plant Uquids (NGPL) Plaid Production	48 999	1,500	145.018	
140	Fleid Production	48,222 1,142	1,586		1,600
10)	Stock Withdrawal (+) or Addition (-) 2	350	12	3,484	10
16)	SHOCK WITHOUTH (+) OF ASSESS (-) *	50.723	1,638	140,934	1,540
	Total NGPL Supply	90,723	1,020	140,634	1,040
- 1	Infinished Olls and Gosciline Blanding Components, Total				
160	Stock Withdrawel (+) or Addition (-)	-5,925	-191	-11,757	-129
160		7,740	250	25,597	262
20)	Other Hydrocerbone and Aloshol New Supply (Field Production)	1,404	48	4,259	47
21)	Reiney Processing Cain 1	18,833	548	48.185	540
200	Crude Oil Product Supplied	1,918	82	5,791	64
23)	Total Other Uquids (25) = (16) firecash (27)	22,160	715	73,166	604
24) T	otel Production of Products 3	442,895	14,207	1,302,549	14,310
(2	0 = (12) + (17) + (22)				
N	d Imports of Refined Products 9				
250	Imports (Cross)	48,860	1,508	178,187	1,938
260	Evroris	10.572	599	42.104	474
27)	Imports (Net)	28,117	907	132,063	1,462
964 T	tiel New Supply of Products	471.012	15.184	1,438,000	15,781
1/2	0 = (24) + (27)				
20) FI	erlined Products Stock Withdrawel (+) or Addition (-) 3	25,502	023	25,271	276
30) T	otal Petroleam Products Supplied for Comestic Use	496,514	18,017	1,481,304	10,008
	Enlahari Motor Geanline		6.012	677,098	0.041
		201,888	0.012		3.204
	Clistiate Feel Oil	100,932 60,756	1,837	291,534 158,915	1,749
	Peakbal Fool CII	80,758 48,996	1,637	100,250	1,782
		48,996 82,040	1,001	160,290	1,782
36)	Other 4	1,916		268,027 5.781	2,045
36)	Cruse Oil	1,916 495,514	18,917	1.481.304	16.058
37)	Total Product Supplied	495,514	180/17	1,401,204	16,036
	dina Stocks, All Oils				
201	Crude Oil and Lease Condensate (Excluding SPR)	205.741	_	395.741	_
340	Strateck: Petroleum Reserve (SPR)	201 704	-	391,794	
403	Unfinished Oils	115.668	= =	115.668	
	Gesoline Standing Components F	41,109	-	41,109	
41)					
425	Periones Plus Finished Refined Products 3	7,943 551,779	=	7,643 551,779	=

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A Reference in the performe plus oriegony only.

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ole 2. Supply and Disposition of Crude Oil and Petroleum Products, March 1964 (Thousand Barrals)

Ending Products

			Access					Charles
Commenter	Pleid	Befrank		Stock	Orac			
	Produc	Produc	Imparts	drawn (+) or		Cruse	Refinery	Sports
		100		9 5	ā		1	
Crude Oil (Including lease condensate)	6 279,252	۰	107.004		100			1
Nethral Gas Livedes and 1 Bos.				;	7		3/0.012	1,30
-	40,000	11,767	4,777	e.	۰	۰	15.584	2.38
ean Gates	2000	•	010,1	350	•	•	RACHE	169
	40,475	11,757	7,467	370	•		0.00	2 446
Progen	2,430	227	3555	.727				
Named Brown	15,682	8,623	2003	1300		•		
Section and sectio	81.6	2334	1 137	-3.6		•	200	3
	2,956	a,	742	253	•	•	1000	995
Other Liquids					•	•	2000	š
the and Airebol	3	٥	7,740	-5,925	۰	a	9146	
Unfinished Oils	1,494	•	۰	g	•	• •		
Motor Gasolne Denders Components	۰	0	4,959	9009-	•	• c	1017	
i.	0	•	2,77	8	0	•	5013	
The same of the sa	0	0	۰	-14	0	0	9	
Fihlshed Petroleum Products	980	400 500	į					
Printed Motor Geschie	100	10.5	77.	25.125	0	0	•	15,457
			0,000	Y	•	0	0	383
orace	2	20,00	9,050	1,971	•	۰	۰	8
First Aveton Gasotne	9	200	4,537	4,450	•	۰	•	
regnition jet Fuel			~	7	•	0	•	•
Karosens-Type Jat Puel.	•	200	ì	929	•	۰	۰	8
	-		8	-1,002	•	•	•	è
	4	20.00	7	1,419	۰	0	•	
HOUSE HOLD CO.		200	2000	22,537	0	•	•	8
Naphtha < 400 Deg, for Patro, Feed, Use	•	1	19,623	6000	۰	0	•	6,33
COM ON > 400 Deg for Patro, Feed 10a	•	0.00	1,261	-360	0	•	0	8
	•	9,40	•	ş	0	0	۰	830
		2007	1,742	22	۰	0	٥	3
		4,904	422	988	0	0	۰	714
		₩ 483	n	4	۰	0	٥	2
Aughalt and Road Oil	0	13,963	٥	3	0		• 0	. 22
	•	7,834	8	-1 646	•	•	•	
todays	•	10,911	۰	0				
The same of the sa	e	1,830	425	1351		•		. %
Oth	-							
	900,000	412,343	162,834	18,985	2,034	e	335,410	25,044
(9) = Less than 500 barrels								
E in Estimated.								
Mother Total community								

20,000 to 10,000 to 10,000

Commody	Produc- fion	Refinery Produc- bon	imports	Stock With- drawal (+) or Addi- fac (-)	Unac counted For Crude	Couse	Refinery Inputs	Beports	Products Supplied	Snocks
Orade Oil (Archading lease condensate)	£ 781,712	۰	295,590	-8,270	171,08	132	1,070,061	17,387	1625	207.035
Netural Gas Liouids and Libita	148 076	94.745	007.00	-	٠	٠				
Protones Pive	35,680		20,000	Sulus Sulus	00	•	17,231	9	171,732	96,519
Seastford Potentiary Canasa	*10.00	,	00,000	3			18,000	248	1,434	7,943
Elthon	200	01,740	22,088	181	0	0	28,682	4,037	160,208	86,576
Pmare	42,000	200.76	200	Ģ		0	98	406	56,505	21,404
Nemal Betana	10.00	200	98	1		01		2,416	99,723	40,841
sobreme	8.538	9	2,305	1316	9 6	0 0	17,363	8	13,081	16,807
				2	•	•	10,000	949	120	rich m
Other Liquids	4,250	•	25,697	-11,757	0	•	37.939	c	-18.870	145.777
Other Hydrocerbons and Alcohol	4,250	0	۰	90	•	0	4.287	0		247
Untreshed Ols	0	0	20,428	-8,170	0	a	25.820		0.00	445,669
Motor Gazoline Blanding Components	•	0	5,209	-3.540	0	0	10 006		0.00	00460
American Gasoline Blanding Components	0	0	٥	SP		0	ě		Ť	400
Phished Petrolisum Products	675	1 101 550	163 109	0100	•	•	•			
Brighed Motor Georgea	9	040.000		200				190'00	1,302,614	467,000
Frinthed Leaded Motor Garalice	3 5	225,000	14011	0000		0 0	00	96	577,039	202,798
Emitted Unisaded Motor Georgies	a	220 124		2000	> 0		91	387	100	96,472
Debtor Austra Greeks	8 9	930,164	707	-12,010		0	0	0	201,503	104,326
Neodha-Tura to Carl		200	200	į		•		0	1,623	2722
Variance Ties let East		07,720		8		0	•	2	18,043	6,719
Kormana	• •	40.489		200				914	15,344	33,503
Dietalista Frant Oil	9	100,000	200	9 10 00				-	13,528	7,835
Blockel End Of		00000	00,000	8 1			0	4,487	291,534	100,644
Married And Day to Date East Use	0 0	20100	200					12,250	158,815	47,630
Diffee City - 400 Day for Both East 11st	0 0	1	3000	7 5				9	14,468	2,064
Special Modelna	2	0000	9	9 8	9 (91	0	1,120	22,917	198
	3	90000	2000	3 9				2	8.824	3,055
Wests		1000	200	413		0 0	00	900	14.450	11.180
Petroleum Cotes	0	40,536		S		0 0		2000	9000	000
Asphalt and Road Oil	۰	21,276	25	-6.408		0		ř	14.004	0000
Stil Gas	0	49,633	0	0	0	0		0	48 623	
Miscellaneous Products	215	6,919	8,	939	0	0	0	ã	6,709	2344
Total Control	044 080	4 242 366	700 007	0.000	*******	900	*****			
	-	-		arress arress	100	2	1,104,130	2	1,001,004	1,444,034

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Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 1984 (Thousand Barrels per Day)

Contractory Of Charleston terms consummed Lead of C					Sheek					
Continue and con	Cottenodity	Produce toos	Retney Produc- bon	Imports	With- deliveral (+) or Addi-		Coude	Reditory Inputs	Exports	Products
Compared to the compared to	Conde Of Contract				Don Co			-		-
1	continued in the conference)	6 8,716	٥	3,465	٣	2	*	11,039	238	9
10 10 10 10 10 10 10 10	Natural Gas Liquids and LRGs									
	Pentanos Pies		200	200	z	0	٥	200	7.4	1.88
The control of the co	Attituded Patoslaces Community	274	0	9	•	•			•	
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	Unier Hydrocarbons and Alcohol	2 9	•	000	- 101	0	0	217	0	-210
The state of the	OURSESSED CHR	•		9	9	۰	•	5	•	•
1 1 1 1 1 1 1 1 1 1	Motor Gesolno Blanding Components			160	-186	0	•	ě	۰	-138
100 100	AMBRON Gasoing Stending Cystronom		0	3	-	0	•	162	0	-23
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	Finished Potroleum Products									2
200 00 00 00 00 00 00 00 00 00 00 00 00	Firsthad Motor Gatolina	a	12,922	1,285	128	0	0	0	183	14.475
1,000 1,00	Fight Leader Make Gentles	*	6,372	343	-197	0	•	•		6 540
1	Frished Unineded Moore Consulary	••	2,638	187	ş	٥				0 765
	Firstled Avaired Caredon	-	3,733	166	134					444
		0	17	660					•	
(1970) (1	-	0	212	-	9		•		10	
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Manual Mondo Cit			2		£	0	0	۰	**	15
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	3						•	•		6

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Sources and elimitation procedures: See Bytechange on the Collection and Elimitation

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - March 1984 (Thousand Burnets per Day)

			100				Second	Tanamara .	
Commodity	Field Produc- ton	Refinery Produc- ton	Imports	Stock With- drawal (+) or Addi- Bon (-)	Unac counted For Chade	Crude	Refinery Inputs	Bports	Products Supplied
Crude Oil (Including lease condensate)	60,700	۰	3,169	ş	152	-	11,867	ē	2
Notural Gas Liquids and LRGs	1,594	348	240	220	e	•	919	-	
Pintinis Plus	2162	۰	4	•			ž		į
Daysted Perolsum Gases	1,312	349	570	211	0	0	312	1	1,702
CIUDA CONTRACTOR CONTR	Š	X	ğ	8	0	0	2	100	600
Topon .	217	S.	95	189	٥	c	9	22	186
WHITE COLUMN	180	ä	8	R	o	0	191	6	128
SACOLARIO CONTRACTOR C	X.	ε	52	2	0	0	118	e	7
Other Liquids	4	o	282	778	۰	a	403	c	-000
Other Hydrocarbons and Alcohol	4	0	0	8	•	•	47	•	•
Unitegred Oth	0	c	ž	9	0	•	240	•	-106
Moor talsoing Blanding Components	0	٥	95	ş	c	0	121	0	-106
Arreiton Gasoline Blending Components	0	0	0	۲	0	0	7	·c	ε
Phished Petroleum Products	•	12,984	1,687	59	•	۰	a	8	14014
HERWING MODY Graphia	eo	6,240	282	-180	0	•	a	9	8 343
Firsthad Leaded Motor Gasoline	**	2,590	10.	ş	0	٥	•	,	2.894
French Unseded Motor Geogline	-	3,050	130	-142	0	0	0	•	3.647
Historica Availori Galdonie	01	F .	Ē	ş	a	0	0	•	-
Alphana i ype olic Filei	0	105	2	P	0	0	0	-	100
Nerosena-190a Jet Puel	0	8	8	4	0	0	٥	•	939
Koltobrio	3	137	13	9	a	0	6	ε	150
Datation had Ol	-	2,637	277	338	0	0	0	89	3.954
Notice of the Control		2	630	9	0	0	0	140	1,743
Naprime C and use of the Use of t	0	ž	8	7	a	0	0	۰	25
URINE URS > 400 URG TOT PERG. HORD USG	0	8	0	ņ	•	0	0	63	96
Special Naphthas	٣	88	2		0		٥		42
Utribarita	0	ā	12	10	0	o	•	32	120
Waxes	•	2	-	-	0	0	a	•	4
Petroleum Coke	0	445	0	ç	0	0	٥	183	98
Applet and Road Of	•	ă	-	Ŗ	0	0	0	8	191
SE GE	0	545	0	0	0	0	G		**
Mecelianscus Products	61	9	Ξ	4	0	0	0	-	72
Other	200 002	13 313	2400	400	****		40.00	010	
		-	ghane	200			2000	-	and the same

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 Use control for ends of a balanchy limit.
 Estimate.
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 Sober Teles may not set at and compones as to independent counting.
 Source end westuration procedures. See Estimatory Notes on Date Cherchen well Enfinedon.

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Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, March 1984

Ending Stocks Stante

				Simonty.						
Control ty	Production ton	Rathery Produc- tion	success	Stock With- drawal (+) or Addi-	Unas- countid For Couts Ogf	Not	Charles	Rothery Irputs	Sports	Products Supplied
Crude Off (helbding lases condensate)	E 2.251		27,334	8	-2,368	4,853	ž	130,55	۰	
Naturel Gas Liquids and LPGs Liquides Possion Gazes Pentures Pus	800 200 200	300,	780,7 30,9 85,9	980 180 8	000	2,577		206 165 41	440	6,111 5,367
Other Liquids Other Polycological and Aborrol Lighting Oss. Motor Gasoles Baseling Components	\$\$00.	0000	2,546 1,748	-1,827 -1,627 -2550	0000	¥°*°	00000	23.5	90000	41. 4. 200. 200.
Awation Gassens Blanding Components	D	D	D	Ş	9	>	,	Art.		
Finished Petrolous Products Prograd Motor Gascine Product Lange Gascine Product Live and Motor Gascine	800	36,270 17,488 6,472	8,036	24,612	0000	41,016 14,580 14,580	0000	0000	2000	960,314 67,784 28,720 42,044
Phahad Avabor Gardine	į	9	,	88	0	90	0	0	٥	2
	0	929	947	-103	0	909	0	0 4	28	1,14
Kerosene Type Jet Puel	00	2.00	1,024	88	00	326	00	•	= 1	9
Detrible Fuel Oil	0	6,124	9,270	17,054	0	10,550	0 0	0 (900	44,62
1	00	9,927	16,766	6,363	00	6	00	00	9	000
Special Naphrhise	0	28	ES ES	3*		2.0	0	0		8
	0	620	232	5	0	625	0	0	90	100
Waxes	0	8	=	-	o	ş	0	01	-	2 6
Petroleum Coke	0	1,000	۰	137	0	0	0	0	202	200
Asphalt and Road Oil	0	1,291	8	-603	٥	152	0	0 .		
Neoelthreus Products	00	128	300	08	00	268	00	00	2	ĒF
Total	3,231	36.638	62.621	23.556	-2,316	111,111	ž	34,780	1,130	165,280

2,772 2,724 2,724 2,724 2,924 2,935 2,936

Absert Total may not equal sum of components due to motipandent equivaleg. Sources and estimation procedures. See Explanatory Notes on Data Coleinion and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, March 1984

			36	Super,				Oseo	Deposition		
Connectiv	Produc- ton	Refinery Produc- fion	Imports	Stock With drawal (+) or Adde son (-)	Unac- counted For Crude Orf	Net	Cruda	Rafinary Isports	Espects	Products Supplied	Ending Stocks
Crude Oil (Including lease condensate)	E 32,457	·	17,162	192-	15,903	1,341	8	87,320	85.	۰	74,322
Liquida Destructura George Liquida Petriones George Petriones Plus	8,979 7,635 1,234	2,539	6,529 5,529 0	011,1 011,1	000	2,72 2,10 613	000	1,771	128	14,73	25,25 75,25 3,296
Other Uguida. Other Hydrocarbors and Atoolo! Unificated Oth	\$\$000	00000	8°28°°	4, 4, 4,004	00000	불다받아마	00000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00000	<u>\$</u> 0\$\$0	27,298 113 19,000 7,991
Management (Management (Manage	***************************************	20,248 20,252 20,252 20,254 20,254 20,252 20	\$500000 E \$50000 E	25.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	*****************	24444 2444 24444 24444 24444 24444 24444 24444 24444 24444 24444 24444 2444 24	000000000000000000		\$	142,400 142,200 145,000 145,000 145,000 147,00	20,120 20
Total	41,548	94,928	24,233	-1,859	35,903	26,225	8	81,428	2,202		127,412

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 Sources and refinishing procedure is the Disparatory Notice on Data Collection and Esmalaton.

Ocumodity			8	Supply							
	Produc- for to	Refinery Prodec- son	thoorts	Stock WEb- drawal (+) or Adds- ton (-)	Unac counted For Dude	Net Receipts	Crude	Refinery Inputs	Esports	Products Supplied	Briding Stocks
Crude Off (Including lesse condensate)	E 17,168	0	1,002	Ē	4,481	•	۰	12,391	٥	•	14,046
Satural Gas Liquids and Litids	2,742	ŝ	669	ą.	0	-1,333	0	416	•	1,478	27
Uspating Petroleum Gasse Portance Plus	200	20	124	P #	00	1.5	00	4 4	00	88	88
Other Uquids	2	0	•	35	•	۰	0	-015	•	8	5,25
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	20	0	0	
Unfinished Olls Motor Gazolpe Rending Components		00	00	\$ 2°	00	00	00	2,043	00	6	2,539
Anytion Gespine Blending Components	•	0	0	۰	0	٥	0	٥	0	0	
Finished Petroloum Products	•	12,884	164	-691	0	300	0	0	n	12,424	14,15
Firished Motor Gasoline .	*	6223	45	ā	o	ē	0	0	0	6,379	629
Philipped Leaded Motor Gasoline	*	3,785	2	ş	٥	-150	a	o	٥	2,531	4,00
Pirithed Unisaded Motor Gasoline		2534	۰ م	E	0	200	0	0	a	2,700	2.30
Finshed Anabon Gasoline		9		τ:	01	4	01	•	0	a	'n,
Niprima 1900 Jet Fuel		9 5		7	0	21.5	00	00	00	í í	93
Variation 1		10		9	0	3	0	0			į
Distribut Faul Or		3,560	g	77.5	0	178	0	0	8	3301	3,403
Residual Fuel Col	0	451	R	ą	0	0	0	0	0	380	4
Naphths and Other Olls for Putto, Fased.		0	٥	-	0	0	0	0	-	2	
Special Nephthas		ev	8	-	٥	0	0	٥	٥		•
Lubicants		12	ε	21	0	0	0	٥	-	35	8
Wicols	۰	9	0	0	0	0	0	0	0	9	
Petroleum Cola	۰	15	0	ř	0	0	0	0	-	236	5
Asphalt and Road Oil	۰.	200	0	795	0	0	0	0	٥	5	2,481
Spli Gea	0 10	8	8	oq	00	00	00	00	00	98	0 2
Cotal	19,929	13,034	1,886	-1,046	-6,481	-1/833	•	12,575	9	14,491	34,681

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Table 10, PAD District V, Supply and Disposition of Grude Oil and Petroleum Products, March 1984 (Thousand Barrels)

			à	Gunde				Oseo	Deposition	
Grimodity	Product control	Referency Produc- ton	Imports	Mich Mich Mich Mich Mich Mich Mich Mich	Countries For Countries ORT	Net	Orade	Retmery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	E 83,480		4,59	443	37	-18,860	12	018,810	6,538	1,083
Natural Ges Liquids and LRGs Liquided Petroleum Galops Pentanga Plus	198	500	4018 808 018	å nie	***	800	***	272 272	ដីជី១	2,812 875,1 808
Other Liquids	95	0.0	1,330	950		g		252		g°
Uninsved Ols Moor Gasobre Banding Components Avittor Gasobre Banding Components	9000		- 2 E c	48	0000	900	0000	1827	000	882 0
Finished Retrolsum Products Finished Metro Gaustine	•	71,755	1,338	# F	•	107	00	60	3,905	32,07 818,05
solne	00	12,415	46	28	00	20 E	00	00	£º	20,059
Phished Areaban Gasterns Naphthe-Type Jat Fael Kersenna-Type Jat Fael	000	1346	008	8 <u>8</u> 8	000	°85	000	000	e e 2	8 E F F
Kanssons Districto Fuel Oil Residual Fuel Oil	000	347,11 387,01	- 28	2,58		080	000	000	E 25	72,55 28,75
Special Naphthus	000	848	. ¥ š	朝時襲	000	00%	000	000	-8	1438 1438
Perform Citie Perform Citie Sall Car Miscellanous Products	00000	25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 2	40000	7 B \$ C \$	00000	00000		0000	.08	2,181 1,281 1,281
Total	89,786	72,947	8,221	6,225	4,545	-15,584	R	69,220	10,985	17,221
Unaccounted for crude oil is a betanang item (4) = Lises then 500 bernels										

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nd seldmatton procedures. See Explanatory Notes on Data Collection and Estimation.

No. Direct on Fig.		Production			Prox	Production
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17.1 1.1	The capture and capture	Total	Average	ALCOHOLOGO PROGRAMO CONC.	Total	Average
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19 19 19 19 19 19 19 19	Fords	1,217	2	PAD District IV		
1	designation and designation of the last of	5,0	ž,			01
1		295	21.5	COMMERCIAL IN A STATE OFFICE ASSESSMENT	_	0
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1,000 1,00		R	•		9	-
A Debt	Total PAD District I	E 2,300	27.2	Total PAD District IV	E 18,385	E 528
10						
10	PAD District II			PAD District V		
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1,000 1,00	Oldshiptin	13,8/2	1		2	3
1,100 1,10	STREET, SQUARE, SQUARE,	ş	~		8,858	22
1,2,40 1		74	~	medicine and the second second second	34,469	1,112
12.56 12.56 12.50 12.5		429	Σ		100	•
1,000 1,00	1	Em en	2100	Advantages for Assesse Patterns and Managed	3	
Column C	TOTAL CASE AT ILL		3		**	0 900
1,500 1,50	NO District III					
1, 120 1	Alphania .	189	S	Holland Stortes Testal	01/00/2	2000
	AGISTIS ASSESSMENT OF THE PARTY	1	1 3	The state of the s		-
	Contraction on the part of the last of the	61200	8			
	Constant			Includes the totowing organico production (thickeling bland)	100	
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		2,782	8	Calforna, Faderal - 2 675, State - 3 129		
200 C C C C C C C C C C C C C C C C C C	Tatal Ladding	42024	1.006	Louisian Endered - 07 747 Ctale - 0.020-		
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1000	8	Tayon: Eastern . Et 934 Grate, 198		
2			3	Tool Joseph Tool Tool Tool Tool Tool Tool		
	New Medico			O.S. 1003 - 38,202.		
		575	P	 Iniso adjustments are used to records the netonial and 	down	
100 100 100 100 100 100 100 100 100 100	-	5,750	200	liyed sums of the State data with the independently esting	page	
0.00 (1.00 (304	U.S. and Alaskan Source shown in the Summary Stateton	a porting	
2.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5				of the series and with the BADD level factors outlibrad to		
2	Parallel Dr	0.40	99	Company ages Shall date at the Otto Date and		
20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	***************************************	1		The same of the sa		
2	INNO DEPOC OF	3,340	2	INTEGRAL WANTS WIT ON COURSE NO WITCOL ACCOUNTS IN UNI		
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TRRC Dathet 03	10,051	3	Peroxian Suppy Annual		
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	TRRC Dienict 04	2388	R	(f) = Less than 500 barnels.		
Mark condrol (Left Fores		222	75	Note: Total may not equal sum of components due to polece	accher rounded	
1,000 1,00	TODO Distort Of auctoring Best Terms	3 568	115	South: See Protection Notes on Data Collection and Potential	month.	
000 25.40 68.50 68	TODG District 078	8008	26	C = Petmated		
10.00 (1.00	MODO POSTOR COLD	1000	0.5	- Date not sampledon		
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2007 2007 2007 2007 2007 2007 2007 2007	WHO COUNTY OF		3			
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78,302	1	1,965	8			
78,382 4,789 4,789	East Tods	4,209	92			
4,790	Total Tests	78,362	2,538			
Sandar III	Admittacht 2	7.78	25			
		S amount	2011			

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	1	A Dame	J	i	ă	PAD District II			L		PAD D	PAD Demot III			970	GAG	
Commodity	Cont	Chair in	ğ	Chigh Chigh	II. Ky	Man.	Kana.	Total	Teases	S De la	38	d A	New	Total	Rocky	7 19	States
Vatural Gas Liquids Parcanes Plus Liquidad Parcalerm Gases		62	85	0-	12.00	85	986	1,384		9	3	187	4,186		2,742	¥.5	40.002
fiture Propate Normal Batane Solutane	823568	\$25 a e	88 8 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	N 0 c	75. F 88 8 8	8,252	5225	2,970 3,035 1,148	462	1,18	2,757 2,090 884	\$ 8 H H	2018	20.515 12.014 4.216	9 2 2 5 £	5.23	15,488 15,882 6,148
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Total Production (68 579 1,047 3 1,795 501 5,705	468	57.5	1,047		38	8	87.0	2 50	33,322	2,920	5	3 8		38,475	2.751	9	10 22 7

	2	PAD District	-		1	PAD DISPICE	Į				PAD Demet 18	shet III			98		
Cormodity	Coast	chine chine	Total	Appath othian #2	투류	Men. Daks	Mos, Mo	Total	Texas Intend	Godff Count	i j	-	New	Total	Pleedy N		Chebed
Coule Of feederfire bases coordenated	26.536	2 545	39,061	1,725	57.494	8.628	19,473	87.320	15,768	87.241	61.112	5.613	5259	172.030	12,991	08,610	370,012
	ı		ē		682	2	938	E.	1,080	2,467	3	128	3	4,353	149	272	6,626
9000	10	48	165	22	2068	411	878	3.250	99	1,615	2047	137	E	4,340	347	210	8000
	٩	a	٥		-	۰	0	0	0	0	22	0	0	2	0	٥	2
	0	0	0		85	٥	0	¥	0	-	8	0	0	8	n	٥	125
Normal Butane Isobulane	120	20	14	68	ž b	25.2	88	1,848	318	50 20 20 20 20 20 20 20 20 20 20 20 20 20	68 88	88	18	1,921	288	205	3,000
Other Legisla	0	c	0	•	ě	a	a	88	*	910	8	۰	e	1,005	9	25	1.508
Infreshed Oil (net)	2271	+	2,234		-1,486	器	ş	-1,861	4	160	2,314	B	63	2,542	-643	8	3,217
Abtor descents Blanding Components (ntl)	288	100	25	0	1,061	ş	-207	E	ģ	1,390	1,442	ñ	8	2,969	657	1,245	5,013
Waton Garotne Blanding Components (net)	ş	۰	ş	۰	Ť	۰	82	ģ	0	۰	8	0	0	8	0	7	9
Total Input to Refinaries	82,219	2,561	34,780	1,869	59,850	8000	20,501	91,428	17,447	20,250	181,181	6,950	2,538	187,407	12,575	60,220	395,410
Stude Oil Distillation Gross Input (daly average)	1,404	85 174	1,578	88	1,870	36	8238	3,485	2.3	3,842	1,981	2 2	8.6	28.7	417	3,166	12,088
Operating Ratio (percent)*	8			843	90.3	89	91.2	620	68.4	350	P	6,19	989	763	74.8	68.7	78.0
Subtr Content, Weighted Average (percent) API Granty, Weighted Average API Granty, Weighted Average	20,02	8,6	82	44	88	1,74	2,8	38.27	37.83	25	8 8	2 8 2 8	F. 68	28	25 EE	2, 25 25	25.55
Operable Capacity (delty average) —— Creating ————————————————————————————————————	200	ŞŞL	1,376 1,376	880	22.5 8 25.5 8	880	787	3,2485	858	3,642 3,432 410	2,362	428	0 0 0 0 0 0	7,285 6,714 673	#8r	2,106 2,855 251	14,728

Represents gross meat devided by operable objectly
Noo. Tals may not equal sum of components due to edopendent numbers,
Source: See Explanatory Notes on Data Collection and Estimator.

	8	PAS OSM			2	AD Detroit		ľ	l		Daft Dames &	10.000	ĺ	ľ	099	PAD	ļ
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	100	chan	Total	Chair 12°	, k	West.	Ž,	Total	Park	3	3	A E	Meson	Total Total	Receiv	Meat V	States
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Con Other Hope	264	۰		a	ž	*	49	ž	49	1300	1,666	**	0	0000	*	7	4.102
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English Confess Street	16,522	š	17,488	1,146	25,764	2003	11.857	53,768	250.6	43.198	22.77	1301	1 102	50 517	A129	20,819	197.501
Phinhad Indended Massa County	5043	629	5,472	987	14,506	2,374	0.464	23,862	4.385	16.839	13.562	802	222	26,180	2,725	12.415	81.784
Rother Aventor Optobox	1,479	ŝ	12,016	8	21,169	2,627	5,392	29,845	4,972	26,359	80,200	188	511	52,987	2.534	18,404	115.737
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Total Production	34,028	2,687	36,636	1,946	62,220	9261	21.30	94.508	17,652	200.00	71.563	6.034	2.584	194.799	13 034	72.047	415.34
Processing Gain(-) or Loss(+)1	1,880	72	-1.856	Ę	0.070	ŧ	ora	9 500	946	9.03.0	9	ā	٠	-		****	
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Source. See Explanatory Notes to Date Collectors and Explana-	D bear or	-															
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8	36.9	49.5	67.5	287	52.4	547	653	66.8	42.6	45.8	302	39.4	43.7	ŝ	423	47.0
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2	1.7	88	42	30	52	27	58	34	7	0	16.6	33	12	Ş	2	ž
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4	1.6	4	4	ę	ų	-	n	٩	1.3	*	ų	0	r.	eș	n	NO.
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uports of Crude Oil and Petroleum Products by PAD District, March 1964 possed Barrels)

Commodity			Petroleum Administration for Defende Detrocta	n for Defende Defrots		
	-	-	8	2	^	Total
Crude Oil (Including lease condensate) 1.2	27,304	17,182	27.000	80.		100.000
Netheral Gas I Import				-	2	100,000
Partenes Plax	1900	200	3	867	1018	4111
Liquefood Petroleum Gasson	2	o	ā	134	630	1 210
Ethere	639	6,529	619	378	98	
Protect	0	3,555	a	•	•	200
Married Britana	80	1,184	369	, \$	•:	2300
Andrease	2	900	291	200	3	e de la compa
· · · · · · · · · · · · · · · · · · ·	75	312	¥	38	Q S	1,737
Other t lendes 1				8	2	į
Indiabad Alex	2,546	2007	0.424	٠		
Makes Constant of the Party of	1.100	9	0.100		2	7,740
more descent banded conscients	1776	2	4,789	9	8	4,989
AMERICA GARGARIO Stendarg Components	•	•	ę.	0	e E	2,77
	,	•	0	0	o	٥
Finished Petroleum Products						
Firshed Motor Gasoine	100		5,409	3	1.32%	19 310
Prighed Leaded Motive Garages	6,936	203	960	4		1000
Fineshed Indonésia Person	2,183	113	700			
Challed from Carry Office of the Carry of th	3.753	8		,.	e	96079
STOCK OF THE PERSON OF THE PER	-	3 **	679	0	410	4,637
ACCOUNTS - 100 ON PARTY	247			-	0	re
Nerolene-Type Jet Fligh	500	•	0	0	٥	34
Bonded Aircraft Flue	1000	0	0	۰	220	1061
ODW	0	۰	0	٥	c	٩
Constant	1,024	•	•		. 8	
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Donday Chan Darks	3,270		2	,	9	2
Colored on the Date of the Colored on the Colored o	•	5 *		X.	8	3,556
O. I. S.	3 000	•	0	0	0	0
Matchill How Co.	0000	5	5	*	8	3,556
Sonded Ships Bunkers	97.0	380	2,156	R	285	19.626
Other	•	0	0	0	0	
Naphtha < 400 Deg, for Perm. Faert 11se	10,000	ent	2,156	8	202	40.000
Other Olis > 400 Date for Dates East 14-	238	8	200	٩	•	
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Whenever the party of the party	22	2 :	l door	3	ž	267"1
The same of the sa	:	,	R	Ξ	146	755
Applied Road Co.	- 1	0	۰	0	4	25
Mitchigungous Products	R	٥	0	a	•	18
***************************************	329	ä	52	ε		200
Total Imports						
	62,421	24.233	66.293	1.696	1000	********
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	8- 8-	8	ghed Shed	Blending Compo- nents	Finished Motor Gasoline	žž.	Kero	o Tigg	O Peed	Special	Prod-	Prode at	Putro-	Total (Dady Awarage)
							All PAD Districts	Districts						
rate OPEC	5,675	۰	۰		151	a	۰	8	2,388	495	۰	3,065	8,760	282
Kuwait	0	0	0		0	0	0	0	436	0	0	486	496	16
Saud Araba	8,956	0 1	0 8		0 0	0 0	0 0	0 1	614	0 0	0 1	214	9,510	8
Subjected Arab OPEC	17.58A		3 5		15	0	9 6	8	3,350	28	8 8	4,856	22,240	12
Other OPEC														
founder	1,686	٥	۰		0	۰	0	0	118	0	۰	113	1,804	28
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100	7.487		3		0	٥	0 0	0	0	0	0	354	8081	380
Venezuela Substat Other OPEC	7,434	° g	°ã	88	9197	8 2	60	\$ \$	25 E	00	88	3,538	33,325	100
Angola	3,589	0	o	0	0			0	8	o	۰	30	3,550	125
Australia	0	٥	o	0	0			٥	256	٥	0	292	250	2
Bahamis	0	0	999	0	•			290	1,019	0	90	627.2	2,729	8
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People's Republic of China	35	0	0	986	•	0	0	0	٥	172	ε	1,036	1,068	8
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Puerto Rico	0	0	100		320	8		0		R	775	9	000	Ä
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Saro.	1,168	0	٥		0	۰			۰	0	0	0	1,168	R
Other Western	97	***	910	•	•	•	•	•	1011	٠	3	127	1.017	63
West Caston Management	200	è	Š		1144	> 10		. 5	1,600	100	657	8,003	9 60.9	25
	62 472	7.017	3,783	2544	8.65	ş	4	3,067	14,376	1,236	3,124	44,846	107,268	3,450

Beans	95.	8	or seed	Blanding Compo- nents	Finshed Motor Gasoline	8 B	Nero Series	8.5	5 %	Special Naphthas	Prod S	P P S	Petro feam	(Dely Average)
							PAD	PAD Dienct I						
Abers	1.690	•	°	۰	12	0	°	۰	2388	۰	۰	2,540	6230	138
Saud Arabia	1,734	0	٥	0	0	٥	۰	۰	۰	0	۰		1,734	š
Joint Arab Emrates	0	٥	۰	0	0	0	۰	۰	٥	0	68	88	983	2
Subtotal Arab OPEC	3,424	0	0	0	151	0	0	٥	2,388	0	ä		6282	ř
Other OPIIC														
Scrador	306	٥	a	a	a	٥	۰	٥	118	٥	۰	219	420	*
Galton	88	٥	0	0	0	0		۰	۰	a	۰		989	S
	3,048	0		0	0	0		۰	401	o	۰		3,540	=
Nigeria	1,678	٥	۰	0	0	0	۰	۰	۰	٥	۰	0	1,878	5
Venezuela	2,877	0	٥	0	1,343	33		406	2	0	æ		5,502	177
Subtotal Other OPEC	6,293	0	0	0	1,343	525	٥	406	1,430	0	88		15,027	300
Other														
Angola	1,781	0	0	0	0	۰		0	88	0	۰		2,081	6
Watersha	0	0	۰	0	٥	0		۰	288	0	•		8	ę
Binimis	•	0	۰	0	0	\$		8	610,0	0	٥,		1,018	8
STATE OF THE PERSON NAMED IN COLUMN 2 IN COLUMN 2	9	٥	۰	•	989	•		0	Į.	•	9			į
į	1.15	900	•	0	980	0 .		8	8 5	g	9		9	5 5
Economic Communication of the	9				> 1			9 0	8	•	•	1	100	8
didea.	9	0 0	0 9	00	90	> <			45.0	0		9	983	2
	1,797	0	0	900			•		90	0	0	39	2,406	22
entherlands	٥	٥		9	1 970			388	0	a	(4)	1,765	1,765	25
Netherlands Antilles	0	0	69	0	380	0		°	3277		۰	_	5,206	168
Norway	2,763	0	۰	0	0	۰		0	0		۰		2,753	9
Oman	0	0	۰	0	0	٥		0	0				9	۰.
People's Republic of China	35	0	٥	o	0	0		0	0		£		N,	- 1
Political Control of the Control of	0	0	0	0	0	0		0	920		9		010	9
	•	00	5	۰	98	8		0 1	0		1 4		177	3 5
Total Street	9 4	9 0	0	200	2	0		01	0 0		8		000	3 *
rham.	,	0 0	0 0	0 0	8	0 1			9 0		2		100	2
Turkin	°	•	•		9 4	9 0		9 0			0		0	8
Unded Stredom	60%	92	-	o g	,			0	, ,		273	676	6.936	ă
	٥	0	300		95.	710		1213	3654		۰	_	7,471	ä
Zaro	715	0	٥	0	0	0		۰	0		0		715	n
Oher Western											•	9000	. 444	4
The Control Houseshop	2	ž,	۵.		0	•	0 0		2	•	0 4	9000	200	F
Subtreal Other	200	120		200	1,075	:	3 0	2000	12 946	200	1167	28.566	44.132	1.424
			3		7,446		2	•						
otal imports	27.304	\$	1,100	1.446	8,935	1371	9	3270	16.768	276	1,474	25,110	62,421	2,014

See footnotes at end of table.

Table 17. Imports of Crude Oil and Petroleum Products by Source and PAD District, March 1984 (Thousand Barrets) (confineed)

Source	Chude Oil 1	8	Unfin- lated Otis	Gasoline Blending Compo- nents	Finished Motor Gesokne	P. P.	Karo-	Dest Orași	S Table	Special Naphthas	Other Prod- ucts 2	Total Prod- ucts	Total Patro- Isum	Total (Daily Average)
							DYD D	PAD Desica II						
State Office Foundaries Internal States Office	850,8	0000	2002	0000	0000	6000	0000	0000	0000	0000	0000	0088	26 26 26	58,2
Canada Canada Canada Canada Mericio Netradesch Netradesch Netradesch Netradesch Netradesch Netradesch Canada and Tokago Canada and Tokago Canada and Canada	82 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	80000008	\$0000003	P. 0 0 0 0 0 0 0 P	80000008	00000000	00000000	20000002	80000008	800000000	E 88	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	20 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	82 8 H + 12 F E
Fotal imports	17,162	5,529	646	69	502	٥	۰	9	389	\$	138	7,072	24,233	202
							PAD De	PAD District III						
Ageria Ageria Named Sans Areata United Area Emissio Satestasi Area Officio	3,865 0 2,013 14,160	00000	00088	00000	00000	00000	00000	80008	0 88 2 2 0 0 0 1	80008	00000	38252	4,530 77,73 18,973	ā 5 <u>9</u> 9 5
Debar OPEC Ecuador Obsero Informata Iren Negara Westaria Subosal Orar OPEC	1,069 838 712 1,072 5,619 5,610	0080008	0000 150 15	0000038	23,00000	0000000	000000	0000000	0080018	000000	0020002	859 0 0 1413 413 413 413 413 413 413 413 413 41	100 100 100 100 100 100 100 100 100 100	4828855
Other Angols Bahamas Bekin Brazil Congo Congo Medica Medica Noberstands Antifes	90 80 127 128 90 00 00 127 00 00 00 00 00 00 00 00 00 00 00 00 00	0000000200	9g00000\$00	000000000000000000000000000000000000000	S	000000000	000000000	000000-90	000000000	0000=00000	82° ° 88 8 8	.5.8±.588	86.1.1 88.8 E 15. E 25.	880748 E

.7. Imports of Crude Oil and Petroleum Products by Source and PAD District, March 1964 (Thousand Barrels) (continued)

	3		ð	Confee Confee	Gastoline	2	200	ō	8	Nephthas	ě	ġ	d and	A SECTION
	Ì						O GW	PAD Datest II						
Noveny	1,150	a	0		0	0		٥	٥		a		1,150	6
Part Sec	•	•	•		•	•		0	8		٥		8	
Remark	•	•	90		0	9 6		00			00		ě°	90
Doublet and Tohana	•	00	00		00	0 0		01	00		01		0	•
United Kington		0	0		121	9		0	0		ŝ		4,920	2 2
Vagin islands	۰ĝ	00	00	00	00	00	00	00	nc	80	ŧ.	ã°	55	e i
Other Woodsen								•	•		•			
Other Eastern Herrsphere	2 2		2 5	00	00	00	00	00	°£	° 8	S in	82	889	μĒ
	20,000	ž.	200		ě	0	•	-	45		3	5,783	200	100
Total Imports	57,052	619	2,788	433	98	۰	0	5	2,38	1,256	0,00	0,223	66,250	2,138
							PADDA	PAD Desiret IV						
*														
Caracta Control	200"1.	376	0	0	ą.	0	۰	2	8	8	128		1,000	2.
Substeal Other	1,000	336	00	00	o å	0 0	00	e 2	° g	ε	, ii	8	1,698	. 2
Total Imports	1,002	926	•	۰	\$	۰	0	ž	8	8	ŧ	ž	887	2
•							9000	PAD District V						
Agents	00		0.				0			۰				
	•	•	•	0	0	0	•	•	0		•		0	0
Other OPEC	3,015	01	98	0	502	2	0	ij	2		8		3,681	119
Subsolid Other OPEC	3,015	00	å	00	9	0 9	00	o ű	9	0 0	8	g	3,660	120
Other	•	•	•											
Shorts	20	8	- 0		• 8	00	00	og	00		0 1		9	0 4
Frinch	•	0	0		°	0	0	0			ε		8	2
Management	00	0.	۰.		8	0	٥		b				8	99 -
Votherfands Antition	00		0		0 0	0 0	00	NC			*=		2 2	8
People's Republic of China Indust Election	0 (00	0 (8	0	0	0	0	0	ţ.	•	1,035	1,036	8
Ottor Esstern Nemochern	914		9		0 5	0 1			9					9 6
Substal Other	2	ğ	8	_	Ę	0.00	00	\$	S		8		120	3 2
Potal Imports	450	200	ş	990	929	В	0	8	282	ž	8	3,864	8,221	202

Table 18, Exports of Crude Oil and Petroleum Products by PAD Dietriot, March 1984

		Patroleu	m Administratio	n for Detense	Classicia	
Commodity	1		10	W	v	Total
Caude Cit (including lease condensate) 1	۰	766	(4)	0	6,536	7,504
starel Gos Llaukis	42	1,121	698	0	122	2.263
Penjanes Plus	0	106		0	0	166
Licusted Petroleum Goses	42	913	999	0	122	2.115
Filhand	0	326		0	0	336
Propers	16	261	891	ā	49	1,226
Normal Button	25	166	116	ō	72	354
kohutene	Ö	166		ō	0	166
hished Motor Gesoline	25		180	ō	71	255
ephthe-Type Jet Fuel	(9)	ō		ō		(4)
ero sene-Type Jet Fuel	(0)	ň	ě	ň	91	177
901009	177	ŏ	ă	ň	193	
wilds Fuel CII	405	61	1.012	445	567	2.036
secoul Fuel Cil	161		4.266	Y-7 0	1.602	0.320
sofths < 400 Deg. for Petrochem, Feedstock	46		242		1,000	306
that Ole > 400 Dec. for Petrochem Feedstock	m	56	224	,	00	371
peciel Naphthas	(")	20	42	ř	~	371
bioarts	186	23	456	·	22	716
(see	100	(9)	41			100
divisim Coke	808	186	4.623		1,250	6.232
aylati	202	100	4,023		1,600	15
scellangous Products	10	1	17	ŭ	•	26
Total Product Exports	1,120	1,265	12,144	ů,	4.027	16,572
Total Product Expons	1,190	1,200	12,144		4,027	10,072
Total Exports	1.120	2,902	12,144		10,866	26,044

Experient of cross of an protribited by line, However, come crosks oils seatherspiel with Considers on a Sensor for Control below on Control of the Wight on U.S. Exercises of (aspectably Peero Fice on the Wigh intends to be eithered hires. The Statistical Tracking Systems count those accordance and dispersion as improved series despired. In the Control of the Control of Control

				ı			ĺ							1
Destration	Crude Oil 1	189	Pinsthed Motor Gasoline	F. F.	15 E	Fuel Poel	Special	table	Waves	Patro- Golde	Asptail	Others	Total	Total (Daily Average)
Acceptors	٩	۴	٥	٩	٩	•	8	8	8	8		8	8	-
Australia	•	8	•					*	8	154	100		172	۰
Batharres				8	8	165	0	-	2	۰		8	175	۰
Bahran	0	0			۰	0	۰	ε		0	0	ε	-	ε
Beigirm & Lucembourg	٥	-	8	۰	0	٥	0	e 4		38	8	-	224	9
Brazil	0	0		0	•	0	•	2:	0	10.5	0 0	ou c	88	
Carneroon	0	0		0	0	•	۰	3	0	8	0	0	2	
Canada	200	98		0	275	230	81	5		'n,	~ *	8	9	5.
Other	0	3	0	0	c	0	0	8	2:	E		- '	3	- :
Chris (Taward)	0	0	0	0	0	96	ε	9	3	-		-	à.	
Colombia	0		0	0	0 1	0 (N		-	ē	9	Ξ.		8
Cooks Nos.	0	0	0		0 1	0 4		•	E	•	29	8	8	33
Dentilars	0 (0 (0 4	00	0.0	00	00	ε	3	9		33	2	
Foundation		2.5	9	•	2	•	e	-	8	9	8		22	-
Found					•		•		1	0		ε	9	8
El Salvardor	0	- 0	0	0	0		. 0	ε	3	0	0	3	ε	8
Petend	٥	0	0	0	0	0				0	0	ε	•	ε
Franco	٥	0	0	0	0	285	8	-		219		ε	900	=
French Pacific Isl	0	0	٥		0	۰	۰	ε	۰	0	ε	0	2	ε
Ghara	0		۰		0	0	e	c	c	0	0	0	0	c
Greece	0	8	٥		8	0	2	ε	•	2	0 (0	21	
Gusterna'ia	0		0		•	c	3	0		•	0 0	- 5	2 °	N S
HONORIAS	0 1	8	ε		0	0	•	•	2:	ε		88		E
Mang Norty			04		0 0	00	£	- 5	83	2 0	83	2	8	=
Collection		0 6	0 4		8		8	2.	ES	9		8		8
iran	٥	0	0		0	0	0	8		0	0	۰	ε	ε
lecost.	c	(sep	0		0	0	8	8	3	0	0	-	-	ε
TON.	٥	ě	•			0.000	0		*	1,550	3	67	3,970	128
const	0	0	0		124	88	0	ε	0	0	8	3	5	-
Jamace	0	82	2		0	0	3	8	3	0		-	8	n :
Japan	0	0	•		ž	986	•	8	~	620	ε	8 9	100	8
h	0 0		0		۰	•	•	ε'	3	8	9	5		90
Norwa, riepublic (F	•	6	0		282	900	8		3	5	9		°	1
Advanced .	00		0		0	0 (0 0	- 1	•	•	•	33	8	8
(Deco	0	0	90			:	0	-	0	0	0	ε	125	•
	0	0	0		0	0	0	ε	8	0	0	3	-	3
Mesco	0	739	4		0	0	4	8	Ξ	ā		10	917	81
Notherlands	0	8	٥		0	0	٠	-	8	888	3	3	2	N.
Necherlands Analysis	0	ŝ	81	0	0	179	0	21	•	٥	1	:	3 5	•
New Zestand	0 0	•	9		0	01	0 0	£:	2	5	•		200	-
Month	0 0		0 0		0 0	0 0	8		9 0		0	8	-	8
Novan	0 0	0	•		9 0	00		8		8	0	8	333	=
Pacific Trust Terr.	0	8			0	0	0	:8		٥	۰	ε	-	63
Panama	0	٠	113		510	•	60	18		ε	۰	-	645	₹
Peru	0	•	0		•	0	ε	R	ε	•	0	ε	8	
Prelipperes	0	8	0		0	0	ε	£		0		- :	- 1	€
	1,031		-	8	0	110	- 1	RS	Ν.	2	E	2 .	200	۰
Rep. of South Africa	01	-	0	•	•	•	•	2 1	•	8 *	8	- '	8 3	90
SBJO ATBOIL	•	*	0	0	E	9	6	2	0	•	•	,	5	•

(continued)														
			Faished	int.	Dist.	Residual	George	- Code	Γ	Petro			Γ	Total
Destination	O Co	2	Motor	3	55	<u> </u>	Naphthas	ems ems	Waves	Coleo	Asphalt	Other?	Total	Cally
Singapore	•	S	c	۰	8	325	2	~	8	•	ε		335	-
Spah	٥	۰	0	0	348	883	0	0	8	1,017	٥	63		7,
Suringm	0	•	0	0	0	0		**	•	0	0	ε	04	8
Sweden	0	0	0	۰	0	0		0	8	-		ε	4	ε
Switzerland	0	£	0	٥	0	0		N	8	۰		Ξ	04	ε
Thaland	0	0	0	0	۰	0		12		0	•	-	13	8
Trividad and Tobago	0	0	0	0	٥	0		-	0	0		ε	0	2
Turkey	0	0	۰	0	٥	0	8	(8)	•	0		3	3	
United Arab Eminates	0	0	٥	0	٥	0		13	•	33		9	ě	2
United Kingstom	0	3	۰	0	-	•	8	-	8	22	8	*	9	-
USSR	0	•	٥	0	۰	•		100	۰	g		0	181	
Unguty	0	8	۰	0	0	•	0	-	8	0	0	8	-	8
Venezuela	ε	99	0	0	0	0		ε	-	13		Og	109	•
Virgin Islands	5,029	8	0	0	٥	310		8	0	0		8	5.340	172
West Germany	•	ε	0	0	٥	0	ε	23	a	40			8	
Yugodawa	0	•	۰	0	٥	0		(6)	8	27		0	2	e
Office	478	13	ε	0	ε	8	8	9		60	8	9	200	83
Total	7,304	2,115	202	ā	2,036	6,320	99	714	3	6,232		200	26,044	940
I pipor to close a law section by the "revenue," controlled to the section close a controlled to the section close a controlled to the section close and controlled to the section could be a controlled to the section close and controlled to the section controlled to the section close and controlled to the section cont	contained by ame from the front of the Virginian earth arcosenn, na mescellame or fees than am of comp ones on Oat	are ordibated by law. Howel- for board beas, and crude of loss and the Veget lateridy by our these exchanges and sti less, kercelen-road beat and and respectations in the ball of and respectations.	er, some in a shopped by a shop	Trude of 1 to U.S. There of 1 to	is exchang Tempores in States and experi other other	ged with food (1s. greater								

Commonly Common	[MAG 111111 SELLET ALL.	00 Detaring 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1300-5 13	25 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	[] A B 111111 B 1 11 2 1 2	MAN. (1976) MAN. (100 000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	153778 15378	1,000 100 100 100 100 100 100 100 100 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PAG Description 1		Market 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 100 100 100 100 100 100 100 100 100	PNO	0.000 1.	20046 20046 200777 200777 200777 200
Ethane Parking Bak Tomfau Papkin Nature Gas Processing Plank	°II°I	° 1 1° 1	*****	°11°1	"11"	~ II " I	, 11 <u>8</u> 1	2,977 1,789 880 800,8	, 11g1	. 118	° 11° 1	°11°1	0 1 1	12,678 1,886 1,811 16,166	0.02,2	00000	

Petroleum Supply Monthly/Energy Information Administration

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	à	PAD Dumon	-		1	Orto Contract		ľ						1	İ	l	
	ľ			1	1					į	PAD District III	Mct III			PAD	gy.	
Commonly	Coast	inch inch inch inch inch inch inch inch	Total	A 42 A	¥	Wiese.	Kara i	100	Texass	Tool I	La Guff No La. Count Aris		Messon	Total	Pocky IV	West	United
John Gasokhe Blending Components Refinery Bulk Terranel	4,480	8	4.53	'n	4,967	8	2019	7,813	148	8	9000	1	1			Jane S	
Ppeine	11	1 1	90	11	П	1.1	11	145	1	ı	ı	1	٤,	135	2	1	1117
Avietion Gaussine Reaction Communication	1	1	4,885	ţ	1	t	1	7.891	11	1.1	11	11	1.1	17,744	2720	7,312	40,450
Total	ε,	0	នន	0	# I	°ı	10	55	۰,	99 I	ã	۰	0	9.5	0.0	81	400
Otal Phished Motor Gasoline Refrancy Bulk Tomacal	5,240	282	8	ä	7,478	1,02	2,769	12.400	2150	9	900	3			•		ě
١,	1 1 2		13,612	110	110	11		38,474 17,246	11	ıı,°	11	Ę.,	١١,	14,387	1,00	8.150 1.917	100,636 54,473
Pinished Landed Motor Gasothe		ı	60,549	ı	ı		ı	63,129	ı	1	,	,	1	83,360	6.206	19,494	202,736
Bulk Termani Positre	8 2 1	8	20,025	ę ,	38	1210	583	17.350	1,105	4,030	2,016	g	137	7,851	1,863	388	22,024
Natural Gas Processing Plant	١٩	ı°ı	2 5 E	0	0		1	20	1	0				9	ğ.	ĝi o	51,689 24,834 31
Philipped Unitended Motor Gasoline							1	32,368	ı	ı	ı	ı	ı	24,079	4,000	9,347	80.472
Buk Temesi	3350	90	2,456	ą,	3,830	æ ,		5,968	7,047	5,763	3,051	900	R	10,840	1001	4,235	25,640
Natural Gas Processing Plant		°	7,310	, 0	10	, 0		550		11	1 1	11	11	9 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 g .	1,78	28,639
Tolshed Aviation Gasotine			95,07	ı	,	ı		195'00	ı	ı	1	,	,	29.281	2,286	10,147	104.326
Refinery Bulk Teminal	۵,	۰,	20	۰	218	0	g	233	129	388	126	0	0	88	3	212	1,168
Natural Gas Processing Plant	۰	, 0	80	, 0		11	11	£80	, , a	11		11	11	មិន:	200	22	280
	.	1	\$	ı	,	,	,	8	1	,	,	ı	1	8 8	- 8	6	272.88

Table 20. Stocks of Crude Oil and Petroleum Products by PAD District, March 1964 (Thousand Barrels) (continued)

	PAD	PAD District I			Ov.	AD Demot II					PAD Demet III	met III		Ī	PAD	2	_
Commodity	East	Appa- lachi- an #1	Total 1	Appe- lach- an #2	in in the contract of the cont	Miles.	al al al	100	Texas Inland	Const Page	La Gast No. La, Coast Ark	취취 된	New	Total	Redby Nr.	See at a see	
Refinits-Type Jet Puel Refinity Blik Termini Papeire Total	g	* 111	85 E 8	°111	g	ğ 1 1	\$ 111	55 50 50 50 50 50 50 50 50 50 50 50 50 5	8,11	8111	8,11	£ 111	8111	1,635 452 2,170	25 to 25	515 705 810,	
Gerosene-Type Jet Fuel Ruftery But Terminal Pipoline Total	80,111	0111	1,018 3,670 3,050 7,738	# 111	8111	8 111	B 111	1,882 2,679 2,274	8 111	8 111	2,316	, 111	8 111	5,736 1,856 11,834	2258	885. 788 147.2	12,441 10,322 30,991
Methods Balk Tominol Plyelin Histard Gas Processing Plant	8 1°	* 11° i	258 2000 183 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	°11°1	\$ 1 ° 1	8 11 0	ă ı ı ° ı	\$550°	8 . "	۱ ° ۱ ق	g °	, II, I	5 1 °	1,101 574 568 2,305 2	40002	58°°°	2,24
Netities Fuel Ots Befring Body Terrard Peelin Namel Cas Processing Furr	438	% , , ° ,	4,452 28,344 6,336 37,302	8 ° .	8 II I	§ 11°1	8 11°1	8,589 8,562 0, 30,487	311	1.375	88:11°1	28 I °	ž 11°1	12,309 4,846 6,377 24,184	2,142 2,000 1,000	400. 400. 1545. 845.1	20,441 82,836 23,365 100,844
Periodual Fuel Oils Referey Bulk Terminal Papins	238	ă ^{1 1}	21.001 21.008 21.008 21.644	8	5111	ğ _{+ + +}	² 1111	23 ° 3	8 111	35	2 111	₈ 111	. 111	6,280 2,646 1,007	\$00\$	6,900 1,664 146 8,730	18.392 28,475 172 47,639
Appriltor < 400 Deg. Patro. Feedstock Refinery Total	303	00	988	00	10 to	00	88	22	22	22	22	22	00	88	00	22	2084
Date: Ols > 400 Deg. Petro. Feedstock Rohnsy Total	44	00	4.4	00	នន	00	00	21 22	25.	88	246	00	0.0	8		££	385

٠.

DAG ON9

	á	PAD Desired			ž	W 08764							+	ĺ	2 200		Period
Ceremoshy	No.	Apple Fedding	100	Appa lacts	12	Men	Kons.	Total	Texas	S See	La, Guff No La. Couse Ark.		New	Total		West.	Stations
		40	1	30 E2	1												
Special Haphthas	101	4	3	0	186	٥	ā	28	ដ		r r	ā 1	°ı	887	40	8	272
Bulk Territoral Metunal Gas Processing Plent Total	ı°ı	ı°ı	6 . 5	ů	ů	ů	ů	0.6	3	۱	°ı	١	°ı		0.4	°g	3,016
Euthercasts Rothery Bulk Terreral	\$ 1.1	8,,	200 E	. 11	₹ 11	°ıı	ģ 11	2002	ž 11	811	11.5	g 11	11	82.28	5~8	355	6.230 11,146
Waxee Refriery Total	٠,	ğ ₁	55	°!	8,	۰۱	4	88	ī	8,	8	ž,	٩	4 5	00	22	88
Petrodem Coke Refinery Total	872 872	00	872 872	00	200	EE	25.00	1,280	00	6.0	11	ää	00	4.5	åä	1,885	5.680 5.680
Aughlet and Road Off Refery Buck Terminal	2 II	8 11	1,549	g 11	11	11 588	g 11	3,926	900,1	11 %	हैं _{। ।}	11.080	ž 1	2,138 2,138 3,745	¥2.8	¥82	16,510 8,590 25,250
Macetaneous Products Patients Bod Ventural Populm Natural Gies Processing Parit Total	١١١١	۱, ۱۱ ع	25405	°ıı°ı	£ 11 " 1	°II°I	۱ ° ۱ ، ۱ ،	8288	. II. I	\$ 11°1	8 11 1	s 11 1	°11°1	27. 200,	#00×2	282°8	882 : 2
Total Species 48 Oils	1	ı	181,772	1	- 1	- 1	1	209,580	1	1	1	1	1	797,040	34,691 170,942	170,942	1,644,034

Table 21. Mowments of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge between PAD Districts, March 1984 (Thousand Barrels)

Commode		From 1 to			From II to	2			From III to	8	_	£	From IV to	-	ē	from V to		
browne	-	=	>	-	2	2	>	-	=	2	>	=	=	>	-	16	=	≥
Crude Oil (Tanker and Barge only)	0	٥	0	8	0	a	0	187	1,861	0	0	٥	0	0	4,603	1,548	12,709	٥
Petroleum Products	0,574	112	٥	3,000	6,351	2,412	92	78,525	35,581	0	2111	1,554	782	1,109	0	e	8	o
Pentanes Plus	0	0	۰	0	3	0	٥	0	604	c	۰	22	115	٥	0	0	0	a
Caparised Petroleum Gasos	0	٥	٥	24	5,767	163	٥	1,635	8,333	0	٥	647	200	0	0	٥	0	0
Unfinished Oils	0	٥	0	0	٥	٥	92	714	٥	۰	0	0	٥	0	0	٥	٥	
Motor Gasoine Blending Components	0	٥	0	0	٥	٥	۰	0	0	٥	0	0	a	0	0	0	٥	. 0
Aviation Gasoline Blending Components	0	٥	۰	0	٥	٥	۰	0	a	٥	0	0	٥	0	0	0	۰	0
Firsthed Motor Gasoline	5,980	٥	0	1,430	1,850	1.334	۰	45,475	11,768	٥	878	940	٥	913	0	0	٥	0
Finehed Leaded Meter Gasoline	3,061	٥	۰	433	936	716	۰	17,240	5,004	٥	202	343	٥	ē	0	0	٥	٥
Finahed Unleaded Motor Gasoline	2,909	٥	۰	000	989	619	۰	8,33	6,164	٥	607	197	۰	334	0	0	0	0
Finished Awadon Gasokne	0	0	٥	•	0	17	٥	8	8	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	3	٥	٥	۰	158	0	٥	ŝ	-	0	283	\$	0	88	۰	0	0	0
Karasana-Type Jet Puel	390	0	0	2	9	ä	•	9,255	2,231	۰	\$	0	۵	38	0	٥	۰	0
Kerosene man	43	0	0	0	0	٥	۰	38	90	a	•	0	٥	۰	0	0	٥	a
Datilate Fuel Oil	2,000	٥	0	220	427	80	۰	18,446	2,850	٥	200	ž	٥	176	0	٥	٥	٥
Pasidout Flod Od	0	0	۰	ž	0	0	G	487	8	0	0	0	0	0	0	0	٥	0
Naphtha and Other Oils for Petro																		
Feedebox	99	٥	0	de .	0	0	٥	77	R	0	0	c	a	0	0	0	a	0
Special Naphthas	0	٥	۰	0	0	0	•	314	123	0	0	0	0	0	0	0	0	0
Lubroants	e	\$	0	8	83	0	٥	643	322	0	٥	0	0	0	۰	0	93	0
Waxes	0	۰	0	0	٥	۰	۰	8	0	0	•	0	٥	0	0	0	٥	0
Asphalt and Road Oil	0	0	٥	0	0	٥	۰	2	100	0	۰	0	0	0	0	0	0	
Macellaneous Products	9	43	0	152	30	٥	۰	203	0	0	0	0	a	0	0	0	o	٥
Total All Products	8,574	112	۰	3,148	150,0	2,412	8	78,712	29,542	c	2,111	1,454	762	1,109	4,603	1,548	12,736	0

Source: See Esplanaióny Notes on Data Collection and Betmation

8
March
Districts,
ΑD
between
Pipeline
¥
Products
of Petroleum Barrels)
Movements (Thousand
2
aple

Commode	From 1 to		From 11 to			From	From 18 to		ā	Faron 07 to	r	Sons V to	١,
			ŀ	1	ľ	Ī		Ī	1				
		-		2	-	=	2	>		=	>	=	2
Vertices Plus	0	0	36	•	•	8	•	•					
Journal Petroloum Cases					>	ŝ	9	0	e	135	a	•	•
-		ř	200	169	2	2	٥	c	200	490			•
Address Country Office of the Parket	0	0	0	0	c	c	•		•	3		5	9
	0	0	0	c			0.0	0		0	-	ю	۰
Bried Most vegoere	21.4	1.142	1 226	1 224	23.740		9 6	1		0	0	0	٥
THE REAL PROPERTY AND A PROPERTY OF THE PARTY OF THE PART	2,172	8	355	715	12 830	0000				0 1	919	0	۰
Printing Unitabled Motor Gaschee	1.982	823	000		200	0.400		100	3	0	100	0	۰
		í			986/07	200	0	452	187	0	284	c	c
		,		-	0	107	٥	0	a	c	•		•
	2	D		0	609	*	0	283	60		•	•	٠.
Chiefe and	200	R		622	6,203	2,089	c	1.67	٩		23		٥.
The second secon	N	0		0	200	\$	•				9	0	0
ALAN PLAN CH	1,585	186		900		3		2	0	Þ	0	0	۰
stall Fuel Of	0	9		9		2000	0	286	2	0	176	0	٥
cellaneous Products		134	0 0	0		9	D	0		0	0	0	c
						>	0	0	0	0	c	•	
	2	No.											١

Table 23. Movements of Orude Oil and Petroleum Products by Tanker and Barge between PAD Districts, March 1984 (Thousand Barrels) Source: See Explanatory Notes on Data Collection and Essenation

From II to

Prom / to

	ı	Peden i to			From II to				From	From III to		r	ľ	1	
Commodity		L				Ţ	1	ĺ			į		*	HOR V to	
	=	=	>	-	=	>	-	New	8	Š	=	,	-	١.	
								r	2	ê		1	1		
Crade Oil	۰	0	0	80	0	a	187	0		٠					
Petroleum Droducte									9		1,00	•	ŝ	200	12,709
Printed Datasian Con-	2,631	152	۰	9	114	92	21 518	Ĩ	0.074	*0.00					
Comment of the commen	0	٥	٥	a	•	9				0.44	1	200	٥	0	8
Material Call and an arrange of the control of the	٥	0	٥	0	0	6	2		9	NIO.	0	0	0	0	0
Month Genderal deficient Components	0	٥	c			9		9 1	8	5	0	٥	0	0	a
Prished Motor Gasplero	4 700	•	,	1	,	0	0		0	0	0	c	0	•	•
Finshed Leaded Motor Garoline	8	•	0 1	900	9	0	11,759		411	10.539	738			•	
Brachard Halandard Maters Country	8	D	٥	109	Ş	٥	6 410	553	9		1		9	0	0
Chapter of the control of the contro	827	0	٥	2	2	c	2 240		200		0	9	0	0	0
CONTROL OF THE PARTY OF THE PAR	0	•	c	<					999	0000	5	0	0	c	c
Nachtha-Tree Jee Fuel	:	9 4	•	9	0	D	86		8	E	18			•	•
	3	•	9	0	٥	0	130		٩				,	,	0
Karrenso	2	0	D	on	0	0	3,052	500	405		;	1	,	0	0
Padiate Dat On	ĸ	0	0	0	0	G	0		3	7		e de	Þ	۰	0
Constitution of the consti	S	c	c	00	•	•	-		>	2	0	0	۰	۰	c
Residual Fuel Oil	•			3	•	9	9		8	2,173	342	0	¢	c	
les.	į	•		ń	9	D	487		0	487	8	c			,
Spiral Navidne	9	0	D	N	۰	0	77		3	W	3		9 4		9
Liberton	D	0	0	0	0	٥	314		3	-	3			0	0
When a	9	23	۰	13	8	0	9	, 0	2 4	28	3 9	5	0	0	0
And the contract of the contra	0	0	0	0	c	•	d		i	21	e de	Ð	0	0	8
Agont, and Hoad Oil	o	c	0		•	•	B		n	8	٥	0	0	0	c
Miscellaneous Products	8			• •	0	0	į		0	7	194	0	c		
	?	ř	9	20	8	0	200	60	167	8		c	• 0	•	0 0
Total		***	•											,	•
	3	3	9	878	2	93	21,705	1,463	3.781	16.481	2000	9	*		
	ĺ		ı								-	8	3	949	200

Source: See Experistory Notes on Data Colocton and Estimation.

Table 24. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tankar and Barge between PAD Districts, March 1984 (Thousand Barrels)

	2	PAD District	_	Y.	PAD District II	_	æ	PAD Demet III	=	ž	PAD District IV	>	ž	PAD District V	>
Commothy	Recepts into PADD I	Ship- ments from PADD I	Receipts PADD I	Atospta MD PADD II	Ship monts from PADD II	Net Receipts PADO 1	Recepts nto PADD III	Ship ments from PACO III	Receipts PACD III	Recepts into PADD	Shp ments MDO MDO M	PACO PACO V	Paceupta nto PACID V	Step ments from PALDD V	Net Reciepts PADD V
Crude Oil (Tanker and Barge only)	4,058	°	4,858	3,409	8	2.	12,709	2,048	10,861		۰	۰		18,88	-18,880
Petrolisum Products	31.636	8.646	72.919	36.809	13.925	22 884	9.974	107 917	-09 046	0.410	3 445	-4 003	2.300	8	
Pentanas Plus	0	0	0	677	9	613	173	ě	429		188	186	900	19	3
	2.577	٥	2.577	3.560	6.872	2,108	6.428	9 968	-3.540	169	1314	1146			
Unfrished Ols	714	٥	734	۰	82	-82	0	714	-714	٥	٥	0	2	0	. 26
Moter Gazelina Blanding Components	0	٥	٥	۰	۰	0	0	0	٥	0	0	0	0	0	
Avation Gasoline Blending Components	٥	۰	0	٥	0	0	0	0	٥	0	0	0	0	-	
Firshed Motor Gascine	46,005	6,830	41,015	18,158	4,504	13,504	1,030	58.219		1,334	1,355	ě	1,791	0	1.79
Finehed Laaded Motor Gaspina	17,870	3,081	14,000	8000'6	2,000	6,943	926	23,351		715	674	-159	1,030	0	1,038
Finshed Unipacked Motor Gasoline	20,235	2,400	26,426	9,170	2,514	6,556	988	34,058	-39.973	619	481	138	753	0	78
Finished Awadon Gasoline	9	٥	8	125	17	103	0	224	-224	17	0	47	0	0	
Naphtha-Type Jet Foel		2	406	255	3	8	150	633	-680	0	172	-172	996	0	38
Karosento-Type Jet Fuel .	0,945	202	000'6	2,632	629	1,704	29	11.053	-11,896	695	4	922	491	0	49
Karosana		43	900	76	0	76	0	432		۰	0	0	0	0	
Datitate Fool Of	18,005	2,109	16.505	200	077	4,281	427	21,082	-21,256	900	376	-175	583	0	3
Naphtha and Other Ols for Petro.	5	۰	68	29	154	8	0	920	-910	٥	۰	٥	0	0	
Peedstack Use	8	36	2	2	12	8	0	112	-112	٥	0	0	0	0	
Spaceal Naphthas	314	٥	914	123	0	52	0	437	-637	0	0	0	0		
Lubricants	90%	7.	622	122	22	240	120	07.4	-654	0	-0	0	0	36	-43
Waxos		٥	90	٥	0	0	0	S	-45	0	0	0	0	0	
Algebra? and Road Oil		0	102	104	•	188	0	338	-308	0	0	0	0		
Macellarecus Products		97	253	8	183	-132	r	800	-126	•	0	0	0	0	
Fotal All Products	06,4453	8,696	777,777	40,218	13,963	26,225		21,980 109,985 -67,585	-67,385	2,412	3,445	-1,033	3,302	18,886 -15,584	15.59

1984
March
Content,
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Residu
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Production
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10 10 10 10 10 10 10 10	418 2.826 323 6.8378 2.842 3.00 12 10,555 421 10,565 2.947 10,675 10,755 421 10,565 2.947 10,755 421 10,755 2.947 10,755 421 10,755 2.947 10,755 10,755 2.947 10,755 10,755 2.947 10,755 2.
Commodey East Agaille No. Description PRO Colego Description Colem Agaille No. Marc. Colem Colem St. Proc. Colem St. Proc. Colem St. Proc. Proc. Colem St. Proc. P	

Table 28. Stocks of Residual Fuel Oil by Sulfur Content, March 1984 (Thousand Barrels)

New 100 kHz		â	PAD District			PAG	PAD Destroy II	-	-			DATA Contents	1	l	İ		ŀ	
1	Commodity	15 E8		Total			White.	Kans.	Total	Texas	Texas	35	- 4	New	1	Pocky	Mest v	Unter
	sesidual Foel Osi - 0.00 to 0.30% Suther			1		1	WIN.	8	1		Coost	2000	_			ž		1
	Retney Buk Temina			8		‡	0	9	36	8	101	140	5	en	222	8	1	1 234
	Otal		П	5,135	11	I	П	1.1	2 8	1 1	1 1	1 8	1.1	11	°ŝ	0:	0	4622
144 0 144 20 144	tendual five Off - 0.31 to 1.00% Suffer															ì		
1,33 72 1,350 3 10 10 12 12 13 13 2,45 10 10 10 10 10 10 10 10 10 10 10 10 10	Melinary		0	5,342	8	8	0	ä	813	148	940	1,028	123		0 000	8	****	4 616
1.13	Old		ı	6252	ı	ı	ı	ı	49	ı	ı	1	ı		1,828	90	9	11.380
1,131 72 1,203 3 861 312 58 1,222 173 2,446 969 53 6 9,686 313 4,697 173 2,446 969 53 6 9,686 313 4,697 173 2,497 17		1			:	ı	,	ı	1,307	ı	ı	ı	ı	ı	4,167	8	2,477	17,916
1,3 72 1,500 3 861 312 58 1,202 179 2,446 960 58 6 3,696 313 4,697	skidusi Fool Oil - Greater than 1,00% Suther																	
1,239 1 1,718 0 1,239 1 1 1 1,718 0 1,239 1 1 1 1,718 0 1,239 1 1 1 1,718 0 1,239 1 1 1 1 1,718 0 1,239 1 1 1 1 1,718 0 1,239 1 1 1 1 1,718 0 1,239 1 1 1 1 1 1,718 0 1,239 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bulk Tormani			183	n	56	312	ş	1,232	179	2,465	056	200		3694	3113	4 607	41.40
2501 - 2501 2501	Party		ı	8230	ı	J		ı	1,289	1	ı	1	1		1 718	•		10.00
			ı	0.433	ı	ı		ı	2.53	ı	ı	1	1	1	8.416	000	5.019	20 806

Source. See Exploratory Notes on Ozia Collecton and Espiration — Not Applicable

Table 27. Movements of Recidual Fael Oil by Tanker and Barge between PAD Districts, By Sulfur Content, March 1984 (Thousand Barrels)

		l				ľ	İ		ı						
		From J to		-	From 8 to				Stom III to	911			"	From V to	
Commodity	=	=	>	-	=	>	-	N 00	N Se	Ag 15		>	-	-	=
Needown Fore Oil Oil to Galow Suther Gall to 1,00% Suther Greater Than 1,00% Suther	0000	0000	0000	\$0.08	0000	0000	\$°£	****	0000	\$°58	8-05	****	0000	0000	****
Source: See Explanatory Notes on Data Colle.	cton and	Stamano	١						l	ļ	l	l		ı	

Table 28. Imports of Residuel Fuel Oil by Sulfur Content by Country of Origin, March 1984 (Thousand Barrale)

		Residu	ri Fuei Oli	
Country	0.00 to 0.50%	0.31 to 1.00%	Greater Trien 1.60%	Total
reh OREC				
Algeria	2,589	٥		2,368
leg		ě	ň	2,000
Kurali	495	ě	ň	490
Ubya		ė.	ō	- 0
Oeter	ö	ō	0	
Saudi Arabia	514	0	ò	514
United Arab Emirates	0	0		
Subtotal Arab OPEC	3,388	0	0	3,366
ther OPEC				
Equador	118	٥	0	118
Gebon	0	ò	ő	
Indonesia	977	i	19	696
Iren	0	ó	Ö	
Nigaria	ó	ò	ō	ć
Verezuela	11	0	823	834
Subtotal Other OPEC	1,006	1	842	1,846
Cher				
Angola	0	010	0	390
Augustia	0	296	ò	285
Behamas	236	455	321	1,016
Bolivia	0	0	0	
Brazil	704	0	0	704
Brusel	0	0	0	
Canada	146	463	465	1,117
Corgo	200	0	0	200
Egypt	0	0	0	
France	٥	ò	0	0
Ghens	0	0		. 0
Uberia	0	0	453 32	453 37
Meleysia	ů		32 6	3,
Netherlands	ž.	0		9
Netherlands Antilias	342	0	2835	3,277
Norway	342	ň	2,035	3,277
Omen	ŏ	0	ň	ő
People's Republic of China	ě	ň		,
Part	190	ŏ	510	871
Puerlo Rico		ė	0	
Romania	ě		ě	
Spein	ă		ŏ	i i
Syde	ė .	ė i	ō	· ·
Trialded	ě	i	ò	č
Tuniple	ě	ė	ō	i
United Kingdom	0			
Virgin Islande	1,213	1,320	1,124	3,657
Yugoslavia	0		. 0	
Zeire	ō	۰	0	0
ther				
Other Western Hemisphere	862	439	0	1,101
Other Eastern Hemisphere	1,310	204	25	1,530
Subtotal Other	4,079	3,505	5,892	14,375
del Importe	9.383	3,507	6.734	19.62

Loas than 500 barrais.
 Note: Total may not equal aum of components due to independent rounding.
 Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, Merch 1984 (Thousand Berrels)

		Residu	of Fuel Oil	
Stato	0 00 to 0 30%	0 31 16 1 60%	Greater Then 1,00%	Total
PAO Olstriot I	7,103	2,021	6.852	18,786
Connectout	7,100	4/44	0,002	99
Onleavern .	97	š	150	150
	118	264	512	1,044
		- 0	65	85
Mana	ŭ	ů	780	780
Maniand .	22	, a	312	324
Massachusetts	-0	ŏ	405	406
Now Jersey	500	772	1.194	2.469
New York	5.072	1.419	1,866	8.477
Pennsylvania	1,278	449	48	1,773
South Carolina	1,2.70		258	298
Vermont	14	27	460	41
Vigna	i d	**	812	432
AD District II	121	965		389
Michigan .	121	265	* ;	386
North Dekola	(4)	0	ă	3
AO District III	2,156	0		2,156
Lousess	588	ó	ō	588
Titrons	1,570	ō	ō	1,570
AO District IV	3		18	20
Montena	3	0	18	20
AD District V	0	211	81	292
California . ,	0	0	6	8
Hawai	0	211	75	286
PAO Districts	9,383	3,507	6,734	19,023

^{(9) —} Less than 500 barrels Note: Total may not equal sum of companiets due to independent sounding. Source: See Explanatory Notes on Data Colection and Estimation.





Definitions of Petroleum Products and Other Terms

Alechol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and sre composed of a hydrocarbon plus a hydroxyl group; CH-(CH)n-OH. Alcohol includes methanol and ethanol.

Atkylation. A refinery process for chemically combining isoparaffin with olein hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Grevity. An arbitrary scale expressing the gravity or dessity of liquid petroleum products. The measuring scale is celibrated in terms of degrees API; it may be calculated in terms of the following formule:

Arometics, Hydrocarbons cheracterized by unsaturated ring structures of carbon atoms. Commercial petroteum aromatics are benzone, toluene, and sylene.

Agatal: A data-brown-to-bleck comens-like material containing hitmens as the predominant constituents, obtained by patroleum processing. The definition include crude apphal as well as the following finished products: cements, fluxes, the asphalt content of emissions (exclusive of water), and petroleum citiates biended with asphalt to make cutbeck apphalts take biended with asphalt to make cutbeck apphalts. Descriptions of the control of

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished svistion gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciproceting engines, as given in ASTM Specification D910 and Millery Specification Mill-G5572. Excludes blending components which will be used in blending or compounding into finished eviation gasoline.

Barret. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphall and wax to berrels are given in the definitions for these products.

Barrels Per Calendar Day. See Operable Capacity.

Barrels Per Stream Day. See Operable Capacity.

BI-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branchchain hydrocarbon. (24H10). It is extracted from natural gas or refinery gas streams. It includes aboutane and normal butane and is covered by ASTM Specification D1855 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C4H1G), it is a coloriese paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural ses or relinery cas streams.

Normal Butane. A normally gaseous streight-chain hydrocarbon, (C4H10). It is a colorious paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural pasor refinery as streams.

Butylene. An alefinic hydrocerbon, (C4H8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocar-bon molecules into singler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic grant and is an effective process for increasing the yield of gesoline from crude oil.

Catalytic Hydrocracking. A relinting process for converting middle boiling or residual material to hightane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, rettively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. nephthas, reformer feeds and heavy gas oils) in the presence of catalysts and surstantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the coveration of low-octain gasoline tractions into higher octains stocks suitable for blending into finished gasoline; also the conversion of neighbbs to obtain a more volatile product of higher cotains number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Cost. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratifed carbonaceous rocks are either solid or brittle and are highly combustible. Includes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distilletion. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude OII (Including Lesse Condensate). A mixture of hydrocarbons that existed in liquid) phase in underpround reservoirs and remains liquid at atmospheric prosuch after pessing fibrough activates asparating from your personal production of the control of drocarbons produced from the sands, glistonile and oil shale. Ong passe are also undused, but topped crude shale. Drug passe are also undused, but topped crude oil (residual) oil and other unfinished oils are sculude. Liquids produced an instruit gain processing plants and mixes with crude oil and riskwale accluded where identicated with crude oil and riskwale accluded where idenfactions according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking, A process to produce low Conradson carbon gas for catalytic cracking feedstock and for gasoline,

Distillate Fuel Oil. A general classification for one of the petroleum frecilions produced in conventional distillation opportations. It is used primarily for space healing, cr-and-off-highway classed engine fuel (including relirose engine fuel and fuel for agricult and enchiney), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 fuels fuels.

No. 1 Fuel Olf. A light distillate fuel oil intended for use in vegorizing politype burners. ASTM Specification D389 specifies for this grade maximum distillation temperatures of 400 dagress F, at the 10-percent point and 500 dagress F, at the 90-percent point, and knematic viscosities between 1.4 and 2.2 centistokes at 100 dagmes F.

No. 2 Puel Oil. A distillate (us) oil for use in atomizingtype burners for domestic heating of ro-moderate ospacity commercial-fourist burner units. ASTM Specification Code sections for this grade distillation temperatures at loss 80 persons point between 50 degrees and 40 section of the distinction of 50 degrees and 50 section of the conditions at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification 0975:

No. 1-D. A volatile distillate fuel oif with a boiling range between 300,575 dagmes F. and used in high-speed clees! engines genorally operated under variations in speed and lead. Includes type C-B dieself fuel used for city buses and similar operations. Properties are defined in ASTM Specification 0975,

No. 20. A gas oil type distillate of lower votability with distillation temperatures at the 80-percent point between 500-80 organisms. For use of the source

No. 4 pat Oil. A fuel oil for commercial burner insalistions not equipped with proheating facilities. It is used activately in industrial plants. This grade is provided to the property of the property of the constories that conforms to ASTM Specification 0.396 or Federal Specification VVF-F8165 (Its kinematic uscostly is between 5.8 and 26.4 centistokes at 100 degress F. Albo Included is No. 4-10, a fuel oil for levand medium-speed diseal engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia, The Hawalian Foreign Trade Zone is in this hamisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethene. A normally gaseous straight-chain hydrocarbon, (C2H6). It is a coloriess paraffinic gas that boile at a temperature of - 127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinio hydrocerbon, (C2H4), recovered from refinery processes or patrochemical processes.

Field Production. Represents crude oil production on

lesses, natural gas liquids production at natural gas processing plants, and new supply of other hydrocerbons and sloohol.

Fluid Coking. A thermal process utilizing the fluidizedsolids technique for continuous conversion of heavy, low-grade alls into lighter products.

Geschol. See Motor Gasoline (Finished).

Ges Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillatelype fuel oils and diesel fuel, also cracked to produce gasoline.

Gesoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished syletion or motor gasoline.

Idia Cepecity. The component of operable capacity that is not in operation and not under active repairs, but is not at being placed in operation within 30 days, and capacity not in operation but under ective repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such, imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

isobutana. See Butane.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alyklation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that bollis at a temperature between 300-50 degrees F, the has as falls plotted higher than 100 dagnees F, by ASTM Mathod 105, that a burnian point in the range of 105-70 degrees F, leculaded are the two classifications recognized by ASTM 00580, No. 1-4 and No. 2-K, and all grades of sersense 10580, No. 1-4 and No. 2-K, and all grades of sersense to the company of the company of the company of the to No. 1 feet of the company of t

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 periodic distillation temperature of 400 degrees F. It is overed by ACTM Specification D1655 and Military relatively low-freezing point (stellaties of the kerosene type; It is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas ilquid recovered from gas well gas (associated and nonassociated) in lease seperators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liqueffed Petroleum Gases (LPG). Ethane, Ethylene, progeane, propyleue, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquetise Ratinery Gassa (LRG), Liquetind proteinum, gassa fractionals of mer elimper or still gases. Through compression and or refrigeration they are retained in the liquid state. The reported categories are ethically experienced to the respect of the still gases are to the still gase are to the still gase are to the still gase of the still gase are to the still gase of the still gase are to the still gase are to the still gase are to the still gase are to the still gase are so that the still gase are to the still gase are so that the still gase are so

Lubrisating Offs. A substance used to reduce triction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of flubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include: Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as desephalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrolining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates, A general classification that includes distillate fuel oil and kerpsene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petrolaum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gesoline Blanding Components, Finished components in the gasoline range which will be used for blanding or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasolina (Philabelph. A complex militare of interiorly volidit) inforcations, with or without small quantities of acclining, that have been beyond to form countries of acclining, that have been beyond to form contained for motor gasonine, as given in ASTA Gasocitication D430 or Federal Specification VV-Ce-16988, in contained to motor gasonine, as given in ASTA Gasocitication of the property of the complex of the complex of point and a Reid vegor pressure range from \$0.15 facilities point point of SOSTA degrees Fr. at the Operand point and a Reid vegor pressure range from \$0.15 facilities point and a Reid vegor pressure range from \$0.15 facilities for the point of the point of the point of the complex of the control of the complex of the complex of the control of the complex of the complex of the control of the complex of the complex of the control of the complex

Finished Leaded Gasolina. Contains more than 0.05 gram of lead per gallion or more than 0.056 gram of phosphorus per gallion. The actual lead contant of any given gallon, however, may say as a function of the size of the producer and company according to specific Environmental Protection. Agency waiver provisions. Premium and regular graded are included, depending on the octains rating, includes leaded gasoloid. Bendalcole is excluded until belonging that the contains rating the contains rating the producer of the contains rating the contai

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.05 gram of phosphorus per gallon. Premium and regular grades are included, depending on the obtaine rating, includes unleaded gaschol. Blend stock is excluded until blending has been completed. Also hot that is to be used in the blending of gasohol is also excluded.

Gasohol, A blend of finished motor gasofine (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol. Naphtha-Type det Fuel. A fuel in the heavy naphtha beling range with an average gravity of 52.8 degrees API and 20 to 30 percent detillation temperatures of 290 degrees to 470 degrees. F. mosting Military Specification MILT-15524. (Grade J.P-4). JP-4 is used for turbojet and turboprop avcraft engines, primarily by the military. Excludes ram-jet and petroleum rocket training.

Natural Ges. A mixture of hydrocerbons and small quantities of various nonhydrocerbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Naturel Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas, however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natura Case Plant Liquides. Natural gas liquides record form natural gas in gas encocasing plants, and in some silvations, from natural gas stated laculities. Natural control interest and plants, and in some silvations, from natural gas stated laculities. Natural control interest and control interest a

Netural Gasoline and Isopentane. A mixture of hydrocations, mostly perturbane and heavier, extractes from cathons, mostly perturbane and pressure, end-joint, and other specific productions for netural gasoline set by the Gas Processors Associated the Control of the Control Processors Associated in hydrocathon, (CSH12), obteried by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane, See Butane.

OPEC. The acroym for the Organization of Petroleum Exporting Courtnes, oil-producing and exporting counrities that have organized for the purpose of negotisting with oil compensor entires of oil production, prices and future concession regions. Gurrent imembers are Afperis, Ecuador, Gabon, Indonesis, Ern, Irac, Kuwal, Ulbys, Nigerla, Oster, Swolf Arabia, United Arab Emirtaes, any Venazione.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation, not in operation, and not under active repart out capable of being pieced in operation within 30 days to operation pieced in operation within 30 days to operation but under active repairs that can be completed or days. Operating of the capacity is the sum of the operating and idic capacity and is measured in barrels per calendar day or berrief per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmospheric distillation facility during a twenty-four hour period after making allowences for the following limitalions:

The capability of downstream facilities to absorb the output of crude oil processions facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with relinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turneround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrais Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocerbons. Materiets received by a refinery and consumed as raw materials. Includes hydrogen, coal for derivatives, glisonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstocks derived from periodeum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastice. The categories reported are "Naphtha-Less than 400 degrees F, end-point" and "Other oils over 400 degrees F, and point."

Naphthe-Less Than 400 Degrees F. End-Point. A nephthe with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochamical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in crecking. This product is reported as marketable coke or catalyst coke. The conversion fector is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calching. Cetalyst Coke. In many catalytic operations (i.e., cetalyst cracking) carbon is deposited on the catalyst thus, deachvating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the retinery process. This carbon or coke is not responsible in a concentrated form.

Petroleum Refinery. An installation that manufacturers finished patroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of orude oil or petroleum products field in storage at (or in) easies, refleneries, natural gas processing plants, pipellines, tankfarms, and bulk upper storage of the products of the

Propane. A normally gaseous straight-chain hydrocarbon, (C3H8), it is a colorides paraffinic gas that boils at a temperature of -43.87 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propene and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C3H6), recovered from refinery processes or petrochemical processes.

Residus Fiel OII. The loped crude of tellinery operations which includes No. 5 and No. 6 file oils as detined in ASTM Specification D398 and Federal Specification VI-9-16 SC, Nava Specification bit level as defined in Military Specification Military 5985 including Anneadstatus ties oil is used for the production of electric power, apace heating, vessel bunkering, and various industation production of electric power, apace heating, vessel bunkering, and various indus-

Road Oil. Any heavy petroleum oil, including residual asphalite oil used as a dust pallative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most visSpecies Nephbas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial haxase and cleaning solvents conforming to ASTM Specification D1839 and D484, respectively. Asymhats to be blended or marketed as emicor gasoline or availating specimen or a size of the product of a specification of the product of the product of products of the product of products of the products of products of the products of products products of products of products of products product

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Ges (Refinery Ges), Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents ere methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Patrochemical Feodistoix Use, Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, lass the amount of such stream refunded to the source refinery. Finished petrochemical products are not included. For example, polyathypine, butacliene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Creaking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of assoline obtainable from crude oil.

Unfinished Oils, includes all oils requiring further processing, except those requiring only mechanical blanding.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vectorm Distilletion. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, preolpitating with a solvent, or de-clining. It is lightcolored, more-on-less translucent crystelline mees, slightly greaty to the touch, consisting of a mixture of solid hydrocarbons in which the parafiln series predominates. Includes all marketable wax whether coude scale or fully refined. The three grades included are micropystalline, crystalline-fully refined, and crystallineother. The conversion factor is 280 pounds per 42-U.S. callon barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a liner and less apparent crystalline structure then peraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D1321)-60 maximum. Viscosity at 210 degrees F. (D1321)-60 maximum. Seconds (SUS), (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum. Crystalline-Fully Refined Wax. A light-colored paratfin wax having the tollowing characteristics:

Viscosity at 210 dagrees F. (D88)-59.9 SUS (10.18 cantistokes) maximum. Oil Content (D721)-0.5 percent maximum. Other + 20 color, Saybolt minimum.

Crystalline-Other Wax, A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent Islands.

Bureau of Mines Petroleum Refining Districts and PAD Districts

The lolowing are the Bureau of Mines petroleum relining districts which make up the PAD districts

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Dalaware, Maryham, Virginia, North Cardina, Sooth Cardina, Sooth Cardina, State of New York: Cayuga, Tompkina, Chemung and counties each and north thereof. Also the following counties in the State of Pennsylvanie: Bracked, Suibard, Columbia, Montour, Northumberland, Dauphin, Columbia, Montour, Northumberland, Dauphin,

Appalechian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalechian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ress, Pike, Scioto, and all counties east thereol.

Indians—Illinois—Kentucky: The States of Indians, Il-

linots, Kentucky, Tennessee, Michigan, and that part of the State of Ohlo not included in the Appalachian Dislict.

Minnesote—Wisconsin—North and South Dekote: The States of Minnesota, Wisconsin, North Dakola, and

South Dakota.

Oklahoma—Kaosas—Missouri: The States of Okla-

home, Kanses, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Guil Coast District.

Texes Gulf Cast: The following counties of the State of Texes: Neuton, Orange, Jalferson, Jasper, Tyler, Hardin, Liberty, Chambers, Folk, San Jedento, Montgomery, Harris, Galveston, Welter, Fon Bend, Brzorie, Gomery, Harris, Galveston, Welter, Fon Bend, Brzorie, Whatrica, Misagorda, Jacksen, Vietoria, Calhoun, Rédujdination, Aranasa, San Patriolo, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louislans Gulf Coast: The following Partiens of the State of Louislans: Vernor, Rapides, Avoyleies, Poixte Coupee, Weat Fellclane, East Fellclane, Saint Helene, Tangipathos, Washington, and all Partiens out thereof. Also the following counties of the State of Mississippl: Feart River, Stone, George, Hencock, Harrison, and Jackson. Also the following counties of the State of Alaberra: Nobile and Baldwin.

North Louisisne—Arkenses: The State of Arkenses and those parts of the States of Louisians, Misslesippi, and Alabams not Included in the Louisiana Guill Coast District.

New Mexico: The State of New Mexico.

PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Uteh, and Colorado.

PAD District V

West Coast: The States of Washington, Oregon, Cellfornia, Nevada, Arizona, Alaska, and Hawaii.

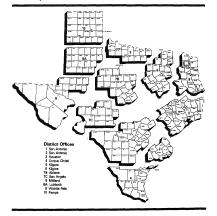
Petroleum Administration for Defense (PAD) Districts



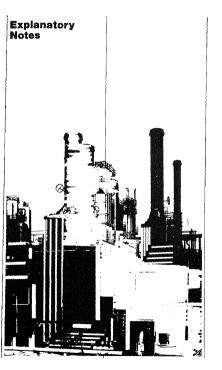
Bureau of Mines Refining Districts



District Map Oil and Gas Division Railroad Commission of Texas









Explanatory Notes

Note 1: Data Collection Methodology

Background

beginne in January 1983, the Energy Information Asinteraction (24) unified in particular supply data collection activities into the Petroleum Supply Reporting Operating (1995). The PIGIR represents in Jameily of asia operating (1995), the PIGIR represents in Jameily of asia publication systems that have been consolitated on achieve companishing and consistency throughout, vises the weekly and modality survey spectring forms to active companishing the properties of the provious transfer of the properties of the prosent operation of the properties of the protries were implemented in January 1983. The following at the new formathers and their corresponding operation per the properties of the properties of the proline of the properties of the properties of the protries of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the properties of the protries of the properties of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the properties of the protries of the properties of the prope

bue decessor to	rms:	
New Form Number EIA-800	Name Weekly Refinery Re- port	Old Form Number EIA-161
EIA-801	Weekly Bulk Termi- nal Report	EIA-162
EIA-802	Weekly Product Pipe- line Report	EIA-163
EIA-803	Weekly Crude Oil Stocks Report	EIA-164
EIA-804	Weekly Imports Re- port	EIA-165
EIA-805	Weekly Shipments- from Puerto Rico to the United States Recort	-
EIA-810	Monthly Refinery Re- port	EIA-87
EIA-811	Monthly Bulk Termi- nal Report	E1A-88
EIA-812	Monthly Product Pipeline Report	EIA-89
EIA-813	Monthly Crude Oil Re- port	EIA-90
ERA-60	Monthly Imports Re-	ERA-60
EIA-815	Monthly Shipments from Puerto Rico to the United States Report	FEA-P133- M-0
EIA-816	Monthly Natural Ges Liquids Report	EIA-64
EIA-817	Monthly Tanker and Barge Movement Report	EIA-170

Forms EIA-800 through 805 comprise the Weekly Petroieum Supply Reporting Systems (WSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basia. Data from the WRSRS are published in the Weekly Petroleum Status Report (WSRS) and rea also used to calculate the preliminary statistics in the "Summary Statistics" section of the Petroleum Supply Monthly (PSM). A description of the WPSRS survey forms fol-

Forms EtA-819.813, 818 817 and ERA-80 comprise the Monthly Petroleum Supply Reporting System (MSPRS), These surveys collect disalled refinery control state, trude refinery, but terminal and piletine stocks dist, crude refinery, but terminal and piletine stocks dist, crude of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistict" and "Detailed Statistict" was considered to the "Summary Statistict" and "Detailed Statistict" was formed to the state of the s

Data are also obtained in magnetic tape form from the Bureau of the Centus on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSM. A description of the Centus data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first bagan publishing weekly petroleum supply statistics in April 1979 in response to the Innaha roll crisis, initially, the published data were taken from the American Petroleum Institute (AP) Weekly Statistical Bulletia. However, In January 1980 the EIA began to publish weekly statistics from its own curveys, with the sucception of imports statistics which the EIA did not begin collection upual liura. Self-

The weekly surrys collect data companies to it is not passed to it

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-300: Based on the EIA-810 universe, which includes all ostroleum refineries in the United States and Its territones, industrial facilities that have crude oil distillation capacity and produce some refined period um products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have other a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipelline. The selected aamole size is 93.

EIA-902: Based on the EIA-912 universe, which includes all patroleum product pipeline companies in the United States and its territories that transport refilmed petroleum products, including interestate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-902 frame. Only those pipeline companies are microbed. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which earry or store could oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Including interstate, intrastate, and intercompanies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by welter.

EIA-804: Based on the ERA-80 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The solected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut off method is the sempling procedure used for all weekly surveys except the EAA-502, which uses the mountain the semination of the

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M) is divided by the amount reported by the sample of companies for the most recent month (M). The result is multiplied by the amount reported by the sample of companies for the current week (W). The answer, Wi, is an estimate of the mount that would have been reported by all companies for the current week if all companies monthed such would have

$$W_t = \frac{M_t}{M_s} - \langle W_s \rangle$$

This procedure is used to estimate total weekly inputs to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a companyprocompany basis or a weekly-week basis. Therefore, an exponentially smoothed ratio has been developed, an exponentially smoothed ratio has been developed, the estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and eather of the control of the control of the control of the control of the control of the control of the control of the uniformed products because of coverage differences between the monthly imports data and Ceneus data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the rewall of an extensive effort to Integrate the collection
and processing of petroleum supply data that have
been collected on other survey forms for many years,
The collection of monthly cetroleum supply statistric
begans as early as 1918 when the Bureau of Mines (60M)
began collecting data on refinery operations and crude
oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, improx of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and bargs movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and compared and

Respondent Frama

EIA-810: All petroleum refineries and plants that produce finished motor geseline through the mechanical blending of liquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hewaiian Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811:

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia, Approximatally 94 respondents report on the EIA-612.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil producers, terminal operations, etorers of crude oil, and companies transporting Alaskan orude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 Statas and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the PSM.

EIA-818: All operators of facilities designed to extract

liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separata a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 890 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panema Canal, Thare are about 50 respondents.

ERA-80: All licensed importers and importers of rec-

United States and Puerto Rico. The respondent unverse consisted of approximately 1,100 frame as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All all others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil limports of the ERA.

ElA utilizes a number of sources and methods to matitain the survey respondent lists on a regular basis, survey managers review industry publications such as the Old and Gas Journal and LP Gas Almanac for information on facilities or companies going into operation or closing down. These are sugmented by articles in the companies of the companies of the companies of the survey of the companies of the companies of the companies of survey of the companies of the companies of the companies of the survey systems operated by other offices.

Periodically an axtensive survey study is conducted to completely refresh the frames. This involves consolicating information from every known source including state agencies, otheral agencies (e.g., EPA, Corps of alternative states) and according to the control of the contro

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be post-marked by the 20th day following the end of the report month, with the exception of the ELA-815 and ERA-90 which are due 15 work days following the end of the report month. Tolephone followarp calls are made to non-respondent prifor to the publication deadline, for that used to monthly the exception of the monthly monthly days and the support of the publication deadline, for that used to monitor receipting the form maintained and sure of the monthly days the mon

imputing Missing Data

imputation is performed only for nonresponding companies that ubmitted reports the previous month. For such companies, previous month results are used for current values. The previous month's earling stocks the value is used for both the ourself month's beginning stocks and the current month's enting stocks. In the event that the previous month's data were estimated, the respondent is constacted and requested or submit the reported in the constacted and requested or submit of schools and the constacted and requested for submit and the previous month's data were estimated, the reported in the constacted and requested or submit and the previous month's data were submitted and schools and the constant of the constant of the and the constant of the constant of the constant of the and the constant of the c

Response Ratas

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite proceasing, a certified submission is still required. Names of companies that fell to file for 2 consecutive months are forwarded for further poncompliance action.

In July 1983, the ERA-60 survey had a response rate of 99.9 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents, in addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Cansus tapes on liquefled petroleum gases and bonded ship bunkers are published in the PSM.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and nongovernment imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

- Merchandise in-transit through the United States. when documented with Customs as an in-transit move-2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United
- States (U.S. possessions include Puerto Rico, the Virgin Islanda, Guam, and American Samoa.) 3. U.S. merchandise that was held in foreign coun-
- tries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. Import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

imported patroleum is reported as imports for Consumption. Imports for consumption are a combination of entries for immediate consumption and withdrawals. from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured in instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and nongovernment exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

- All shipments from U.S. possessions, recardless. of whether the shipments are sent to the United States. to other U.S. possessions, or to foreign countries.
- 2. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customa.
- 3. Bunker fuels and other supplies and equipment for use on departing vessels, plenes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Custom's officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawel or addition:

Field Production is the sum of crude all production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refinerles.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), inoluding finished petroleum products, is reported monthly on survey Form EIA-816, Monthly Natural Son Liquids Report. Negative production will occur dear Liquids seport. Negative produced during the month is less than the amount of the same product that is releas than the amount of the same product that is re-best to the same product that is retorded to the same product that is ret

Reffinely Production of petroleum products is reported monthly on a runy Form ELA-930, Monthly Referency Remonthly on a runy Form ELA-930, Monthly Referency Remonthly on the Production of the

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, Report of Oil Imports into the United States and Pareto Rico, and Form ERA-615, Ripmans of Refined Products (Including United States) and Pareto Rico, and Form and Pareto Rico, and Form and Pareto Rico, and Form and Pareto Rico, and Formans and Pareto Reference an

gases (LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitaring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains date on imports of LPGs. from Census Tabulation IM-145, Additional data taken from the IM-145 are relatively small quantities of naphthe- and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Slock Withdrawel (+) or Addition (-) is calculated by seatherful protects at the end of the month from stocks at the bagging of the seam month. (Note: The beginned of the seam month, (Note: The beginned of the seam of the seather stocks of the protection of the seather stocks of the protection of the seather stocks of the protection of the seather should be seather stocks of the protection of the seather should be seather seather should be

Uneccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition.

Crude all exply is the sum of find production, imported and book with Created and delicious. Crude of lidesposition is the sum of exposits, refinery street, losses and too it is present to the sum of exposits, refinery street, losses and stated by submixtuding rounded all supplies from crude oil disposition. A positive result inclorates that refiners and captional production apposited used none crude oil of this was to recognize sposited used of more crude oil that was to example, when imports are undercounted due to late the caption of the composition of the present of the production of the composition of the production of the composition of the present of the composition of the present of the composition of the present of the composition of the present of the composition of the present of the composition of the present of the composition of the present of the composition of the present of the composition of the composition of the present of the composition of the present of the composition of the compos

Note 3: Domestic Crude Oil Production

Data for the Orude Oil Production System (COPS) are noted to the Department of Energy by each of the State conservation egencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced off-state in Federally-owned vetex. With the exception of reached monthly, after each calendar year, these monthly numbers are updated using the ensual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkanasa, Ulah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are astimated for these States using the individual linear trands of their historical annual crude oil production values.

There is a time lag of approximately of months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information becomes available. Table 11 of production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the ELA's balles Paid of balles are also that the production values, the ELA's balles Paid of balles of the publicational production performance of the production values above in the summary statistics of this publication of the public to extra publication whose shade on historical production values above in the summary statistics of this publication.

The unlividual State level estimates are either exponenial curva litted projections based on recent data or ac constant level projections based on the awareae production rate during a recent time period. In some cases, additional information on expected changes in produccion training and projection of the project of the additional information on expected changes in production rates supplied by a State agency, a trade association can unfoldutal field near the project of the protion of the project of the project of the project of the proting of the project of the project of the project of the proting of the project of the project of the project of the proting of the project of the proje

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810. Refinery Report.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, Monthly Refinery Report, Published Inputs of unifolished oils and of motor and aviation gasoline blending components equal refinery input minus relinery output. Refinery inputs of titalahed petroleum products are reported on a net basis under refinery production.

Exports of crude oil and patroleum products are compilled from Census Bureau labulations EM-522 and EM-594, Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaillan Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refinaries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that

Products supplied indicates those quantities of particular products applied for domestic consumption, Occasionally, the result for a product is negative because foold disposition of that product exceeds total supply, colorable products and product in the produc

Product supplied for crude oil is the sum of crude oil burned on Issaes and by pipelines as fuel oil. These data are reported on Form EIA-813, Monthly Crude Oil Report, Prior to January 1983, crude oil burned on Issaees and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocke

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, Monthly Re finery Report, and on Form EIA-813, Monthly Crude Off Report, Crude oil held in the Strategic Petroleum Roy soruh in included unless otherwise noted Aleekan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form FIA-800 Weekly Refinary Report, and on Form EIA-803, Weekly Crude Oil Stocks Report. Primary stocks of petroleum products are summed from data reported on Form EiA-816. Monthly Natural Gas Liquids Report, Form FIA-810. Monthly Refinery Report, Form EIA-811, Monthly Bulk Terminal Report, and on Form EIA-812, Monthly Prodact Piceline Report. Primary stocks of netroloum produucts do not include either secondary stocks held by dealers and lobbers or stocks held by consumers. Petroleum product stocks ere also reported weekly on Form EIA-800, Weekly Refinery Report, Form EIA-801. Weekly Bulk Terminal Report, and Form EIA-802, Weakly Crude Oll Stocks Report. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, notor gascline, distillate level oil, rescluse lived in liquenotor gascline, distillate level oil, rescluse lived in liquefled petroleum gases, and other products provide the user with record data as well as a summary of date from January through December or from July through June for the most recent 3-year produ. This summary takes the form of an average range that includes sessional variation determined from a longer time gerod. The everage range represents the historical pattern; it is not a forecast

These curves are updated semiannually (On April 1 and October 1), by basing the average ranges on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Rureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the deta. Thus, a deseesonalized series would contain the same trends and irregularities as the original data. For crude oil stocks the derived seasonal factors are very small relative to crude oil stock levels. Therefore, the seasonal factors for distillate fuel oil, residual fuel oil, liquefied petroleum gases and other products are derived using monthly data from 1974-1980. For motor gasoline, the seasonel factors are based on monthly data from 1975. 1976, 1978, 1979 and 1980, in 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year. In addition, the seasonal patterns in 1973, 1974 and 1977 were not representative of the recent past, and these years were not used in the determination of seasonal natterns for motor pasoline stocks. Recause of these differences in the year-to-year seasonal fluctuation of motor gasoline, the evidence for the illustrated seasonal patterns for crude oil, distillate fuel oil, residual fuel oil. liquefied petroleum gases and other products is stronger than is the evidence for the Illustrated seasonal patterns for motor gasoline.

In some cases, these seasonal patterns do not show a smooth translition from month to month. For example, the June factor for residual fuel oil is slightly less than the May and July values, making a bump in the curve. As there is little difference in the magnitude of these asasonal factors, it is possible that this verificion is due to the small number of observations (7 years) and the data variability.

After seasonal factors are derived, the most recent 3year-period (from January through December or from
July through June) is deseasonalized. The average of
the deseasonalized 38-month series determines the
midipoint of the deseasonalized average band. The stendidt afror of the deseasonalized 38-months is calculated adjusting for extreme data points. The width of
the average area is bytice little standard error.

The upper curve of the average range is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EA-B17, Monthly Tasker and Barge Movement Report, and on Form EA-B16, Monthly Revenued Report, end on Form EA-B16, Monthly pointed on Forms EA-B17, Monthly Tasker and Barge Movement Report, and EA-B12, Monthly Product Pralies Report. Net receipts is the difference between total movements lain or and bland movements of of each PAD District by pipeline, teaker, and barge. For survey descriptions and other products and the visit of the endpoint of the PAD PRODUCT of the PAD PRODUCT of the PAD PRODUCT of the product of the PAD PRODUCT of the PAD PRODUCT of the PAD PRODUCT of the point of the PAD PRODUCT of the PAD PRODU

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the Summary Statesies section. Since some of the weekly reporting periods overlap two adjacent months, it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product Imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-diments about levels of crude oil and the major products (moting segions, destillate) to any of memory or any of the major only the low weekly reporting periods. That down the modified has destined and the modified the weekly reporting periods that down the modified has destined and the modified the end of the modified has destined and the modified has destined and the modified has destined and the modified has destined and the modified has destined and the modified has destined and the modified has destined and the modified has destined and the modified has destined and the modified has destined and the destined and the modified has destined and the destin

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Patroleum Products Overview statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

 Crude Oii and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production In Table 4. Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.

 Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.

 Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Teble 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line sopper in Table 1 of the Detailed Statistics, except where noted.

Total Domestic Field Production, Aleskan Field Production, SPR Imports, Other Imports (synonymous with Imports Grose Excl. SPR), SPR and Other Primery Stocks Withdrawal (+) or Addition (-), Unaccounted For Crude Oil, Refinery Inputs, and Exports sopers as labeled in Table 1.

 Crude Losses and Product Supplied appear as labeled in Table 4.

 SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

 Total Crude Oil Ending Stocks appear in thousand herrale in Table 2

. Total imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

 Total Production is the sum of Field Production and Refinery Production in Table 4.

Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

 Unleeded Percent of Total Product Supplied repre-

sents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

 Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

able 4 of the Detailed Statistics, except where noted.

• Total Production is the sum of Field Production and
Retinery Production in Tebie 4.

Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4

• Ending Stocks appear in thousand barrels in Table

Note 9.5 Liquefied Petroleum Geses Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butten, butane-propen mixtures, athan-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Dataled Statistics, exceet where noted.

 Total Production is the sum of Field Production and Refinery Production in Table 4.

 Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

• Ending stocks appear in thousand barrels in Tabl⊖

Note 3.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other fluidus, and all finished petroleum producte except thinked motor gasoline, distillate fuel oil, and residual fluel oil. The statistics on the referenced line are aggregated from Table 4 of the Detailed Statistics, except where noted.

 Total Production is the aggregated sum of Fleich Production and Refinery Production in Table 4.

 Imports, Stock Withdrawal (+) or Addition (-), Relinery inputs, Exports, and Product Supplied are aggregated from Table 4.

Ending stocks are aggregated from ending stocks in thousand berreis in Table 2

Note 9.7 Table 1. U.S. Petroleum Rolance

 Lines (1) through (3). Crude all (including lease condensate) production for Alack, Lower 48 Stees, and Total U.S. are calculated by calling the conservation agency in Alack for Alackan crude all production during the month, estimating crude oil production the third States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 Steine.

 Line (5): SPR imports are reported on Survey Form ERA-60.

 Line (12): Total Other Sources equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.

 Line (14): Natural gas plant liquids (NGPL) Produclion equals field production of natural gas liquida (NGL) plus field production of finished petroleum products in Table 2.

. Line (15): NGPL Imports equals the sum of the im-

ports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

• Line (18): NGPL Stock Withdrawal (+) or Addition

(-) is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.

Line (17) equals the sum of lines (14), (15), and (16).

 Line (18): Unfinished oils and gasoline blending components Stock Withdrawai (+) or Addition (-) equals stock withdrawai (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.

 Line (20): Other Hydrocarbons and Alcohol New Supply equals the field production of same in Table 2.

 Line (21): Refinery Processing Gain is a balancing item equal to total refinery production minus total refinery input in Table 2.

 Line (23): Total Other Liquids equals the sum of lines (16) through (22).

· Line (24): Total Production of Products equals crude oil input to refinerles plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and Isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate: plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, avietion gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

 Line (25): Gross Imports of Refined Products equals imports of LPG plus Imports of finished petroleum products in Table 2.

 Line (26): Exports of Refined Products equals exports of LPG plus exports of finished petroleum products in Table 2.

 Line (27): Net imports of Refined Products equals the difference between lines (25) and (26).

 Line (28): Total New Supply of Products equals order oil Input to refineries plus field production of NGPL and finished petroleum products; plus Imports of natural gasoline and laopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and laopentane, unfractionated sitesam, and plus Tooldensate; hydrocarbons and alooble, unfinished oils, ayatilon pasoline blending components, and motor gasoline blending components; plus limports of unfinished blending components; plus limports of unfinished dills, avisition gasoline blending components, plus field production of other hydrocarbons and sleohel; plus folds relinery production, minus total milinery input: plus lines relinery production, minus total milinery input: plus dillegione to the plus dillegione to

Line (29): Refined Products Stocks Withdrawal (+) or Addition (-) equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

 Line (30): Total Petroleum Products Supplied for Domestic Use equals total products supplied in Table

Lines (31) through (35) equal the respective products supplied in Table 2.

 Lins (Sist: Other Products Supplied equals the sum of natural gasoline and loopeniane, untractionated stream; plant condensate, marison associane, apathan control of the control of the control of the control oils > 400 Dep. F. for permitted the control of the permitted of the control of the control of the permitted of the control of the control of the road oil, still gas, unfinished oils, motor paroline blending components, waition gasoline blending components and miscellaneous products supplied in Table 2.

 Line (37): Total Product Supplied is equal to total products supplied in Table 2.

 The sum of lines (38) and (39), stocks of Crude Oil and Lesse Condensete (Excluding SPR) and stocks held by the Strategic Petroloum Reserve, equals, ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-BIS.

 Line (43): stocks of Refined Products, equals the sum of LPG and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis In January 1975, 1981, and 1983, numerous respondents

were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new besis), the end-of-year stocks, in million barrels, would have been:

Crude Oil and Petroleum Products: 1974 - 1,121;
 1980 - 1,420; and 1982 - 1,462.

 Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).

Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.

- Residual Fuel Oil; 1974 75; 1980 91; and 1982 68.
- Liquefied Petroleum Geses. 1974 113, 1980 128;
 and 1982 103
- Other Petroleum Products: 1974 220; 1986 249; and 1982 - 259
- Stock withdrawai calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In answery 1984, changes were made in the reporting of motiver got legislate. As a result, understonated stresses, which was formerly mobiled on "Other Petroleum Products Supply and Disposition" libel in the Summery State Istitics, is now reported on a component basis (shrake, propose, normal bather, isoboliers and petialises plays. Petroleum Gases Supply and Disposition" table of the Summery Statistices This change will affect alcoics reported and stock withorkwaste in each table. Under the new battle, and charge 1984 to the change State 1984 to the charge to the change Statistics of the change to the change of the change o

Liquiefied Petroleum Gases 1983 - 108

488 (Total) and 380 (Other Primary).

Other Petroleum Products: 1983 - 248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations, Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1860 were developed using definitions, concepts, reporting procedures and appregation methtods that are consistent with those developed by the U.S. Bureau of Mines. Persearch conducted by the Earty information and minimate the process of the person of years of the person of the person of dustry that were not being adequately reflected in EIA's reporting systems. Ela reportino forme, definitione, and procedures were modified beginning in Jausey 1981 to despribe industrial industrial formed to the processing of the processing the processing the processing the data shortcomings throughout 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gaspline was consistently about 2 percent lower than the Federal Hinhway Administration (FHWA) gas of inesales data saries which is derived from State tax recelets. This difference increased to about 4 percent in 1979 and 5 percent in 1980. There are two printingly causes for this growing difference. First, refinery open ations, particularly the flows of unfinished oils and the redesignation of some finished products, were not be-Inc eccurately described on the EIA survey forms, Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting pasoline production to the FIA until the data system WAS changed in January 1981.

Quantities estimate of the mapphilade of the difference—in EAR againter product supplied data in 1979 and 1980 have been made by the EIA and the American Petrolaumi institute, (AI). The following balls provided are precisionally produced by the second of the control of the ment Annual, as well as EIA and API estimates of "trecard" motor passione product supplied. EA necest entirolate when based upon preliminary monthly informacied motor passion of the product supplied. EA necest entitorial production of the production of the control displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor guacoline askes statistics for those years. EIA has receinly Duble

"Office of Energy Information Validation, Energy Information Administration, U.S. Department of Energy, Error Profile of I the Motor Fuel Trazistion Daily used to Establish and Montro State Emergency Conservation Targets (Washington, D.C. December, 1881).

Finished Motor Gasoline Product Supplied on Old and New Basis (Thousand Barrels per Day)

			79		1980			
	EIA Reported	API Recest	EIA Recast	FHWA'	EIA Reported	API Recast	EIA Recest	FHWA
Jan	8,830	7,230	7,084- 7,246	6,984	6,323	6,789	6,630-	6,672
Feb	7,254	7,496	7,389- 7,568	7,538	6,596	6,983	6,831- 7,003	6,830
Mar	7,229	7,414	7,301- 7,463	7,316	6,408	6,753	6,607- 6.768	6,713
Apr	7,055	7,300	7,187- 7,353	7,375	6,800	7,014	6,886- 7,052	6,981
May	7,213	7,429	7,313- 7,475	7,428	6,729	6,954	6,823- 6,984	7,044
Jun	7,191	7,483	7,350- 7,516	7,441	8,657	6,966	6,824- 6,991	7,049
Jul	6,902	7,241	7,105- 7,268	7,299	6,743	6,973	6,960	7,132
Aug	7,330	7,546	7,426- 7,588	7,619	6,648	6,841	6,828	7,090
Sep	6,881	7,122	7,016- 7,282	7,232	6,510	6,692	6,962	6,685
Nov	6,791	7,068	6,956- 7,122	7,142	6,234	6,507	6,516	6,961
Dec	6,730	7,106	6,986- 7,127	7,064	6,632	6,948	6,936	6,993
Average	7,034	7,302	7,183- 7,347	7,309	6,579	6,882	6,806-	6,925

"FHWA gasoline statistics published in their 1979 Taple MF-330, 08-08-00, contain selsion gasoline as wall as notice gasoline. Only many gasoline data are included in published 1980 data. Consequently, this 1977 data shares they seller discleted by solidoring gasoline of the state of the st

Distillate and Residual Fuel OII

Distillate and residual fuel oil refinery production stalation through 1800 were deligated to account for an imbalance between unfinished oil supply and disposition. The reported quantities of relindary injust of unfinished oil of the production of the production of the production of the oil of the production of the production of the production of the late and residual fuel oil produced by a refined as unfined oil. In the steen assumed that this occurs when distrilate and residual fuel oil produced by a refined as unfinished oil. This oil is then reprocessed reflect than used

For many years (including 1980), the difference between unfinished oil disposition and supply was subtracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in Jacustry 1881 this edjustiment was discontioned between between and instrument empirical reidence to support it. The followings table presents dististate and residual residual reliance in 1892 as published (adjusted) and on the same base as 1981 statistics are now been combined foundstands to permit comparison between 1980 and 1981 data series. Adjustant deliations and residual plants of the comparison to the comparison terms of the co

Adjusted and Unadjusted Relinery Production, and Unadjusted Product Supplied of Distillate and Residual Fuel Oils, by Month for 1979 and 1980 (Thousand Barrels Per Day)

1979			Fuel Oil			Residua	I Fuel Oil	
Month	Adj. Ref. Prod	Unadj. Ref. Prod.	Diff.	Unadj. Product Supplied	Adj. Ref. Prod.	Unadj. Ref. Prod.	Diff.	Unadj. Product Supplied
Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.	3,043 2,886 3,019 2,845 3,066 3,153 3,305 3,321 3,354 3,251 3,239 3,221	3,108 2,945 3,026 2,978 3,093 3,187 3,344 3,359 3,906 3,217 3,200 3,238	65 57 7 32 27 35 38 38 - 48 - 34 - 34	4,646 4,989 3,871 3,048 3,025 2,743 2,601 2,799 2,599 3,085 3,725	1,912 1,792 1,719 1,539 1,548 1,575 1,584 1,575 1,584 1,629 1,736 1,894	1,946 1,822 1,723 1,856 1,800 1,586 1,594 1,603 1,802 1,612 1,716 1,903	34 30 4 17 14 18 20 20 - 25 - 17 - 20 9	3,594 3,625 3,624 2,524 2,517 2,601 2,471 2,570 2,584 2,523 2,795 3,022
Average	3,152	3,169	16	3,327	1,687	1,695	8	2,834

1980		Distribute Fire! Oil				Residual Fuel Oll			
Month	Adj. Ref. Prod.	Uned]. Ref Prod.	Diff.	Unedj. Product Supplied	Adj. Ref. Prod.	Unadj. Ref. Prod.	Diff.	Unadj. Product Supplied	
Jan.	3.013	3.093	80	3,794	1,771	1,812	41	3,108	
Feb.	2,768	2,888	122	3,834	1,773	1.836	63	3,168	
Mar.	2,557	2,690	133	3,312	1.584	1.652	68	2,726	
Apr.	2.460	2.554	94	2,729	1,595	1,643	48	2,492	
Mev	2,474	2,610	138	2.538	1,509	1,579	70	2.305	
Jun.	2,646	2,721	75	2,392	1.575	1.613	38	2,359	
Jul.	2.689	2.783	94	2,343	1,480	1.528	46	2,339	
Aug.	2,461	2,582	121	2.258	1,444	1.508	62	2,348	
Sep.	2,686	2,726	40	2,627	1,495	1,516	21	2,380	
Oct.	2,589	2,650	61	2.981	1,512	1,543	31	2.258	
Nov.	2,703	2.823	120	3,069	1,579	1,641	62	2,513	
Dec.	2,891	3,052	161	3,776	1,680	1,743	83	2,762	
Average	2.661	2.764	103	2.989	1.580	1.634	54	2.562	

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gesoline blending components is included with other products (line SS) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids seption, supply and Disposition Statistics (Table 2). Sincthese changes only involve redistribution of the volumes of gascilne, distillate and residual fuel oil, gasc line blending components, and unfinished oils, thtotal volume of petroleum products supplied remainuneffected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1986, the Energy Information Administration (Eds) Implomented changes in 10s and institution (Eds) Implomented changes in 10s and institution (Eds) Implomented changes in 10s an interpoduct is tale to a five-component sight into the corresponds to Industry record-keeping practices (Changes could not be made to the import and expert systems. Therefore, in order to allocate imports and expert systems. Therefore, in order to allocate imports and expert systems. Therefore, in order to allocate imports and expert systems. Therefore, in order to allocate imports and expert systems.

Imports

The imports algorithm is based on information gallhared from the larger importers of NGL, who were asked to provide component analyses of the products they imported during the first six months of 1983. The parcentages shown in Exhibit 1 are derived from the weighted averages of the data provided by the import-ers.

EXHIBIT 1. ALGORITHMS FOR ALLOCATING NGL IMPORTS

		A THIC HUL III	FUNIS		
PRODUCT SLATE Natural Gasoline & Isopentane (EIA-814)	Ethano	Propane	Normal butane	Isobutane	Pentanes Plus 100%
Plant Condensate (EIA-814)					100%
Ethane (IM-145)	100%				
Butano (IM-145)			60%	40%	
Butane-Propane Mixtures (IM-145)		40%	35%	20%	5%
Ethane-Propano Mixturee (IM-145)	80%	20%			

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analyses of the products they

exported during 1983. The percentages shown in Exhib-It 2 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by PAD of exportation, due to the wide variation of components in the mixed streams.

EXHIBIT 2. ALGORITHMS FOR ALLOCATING NGL EXPORTS

			EL	A Component S Normal	fate	Pentanea
PRODUCT	P.A.D.	Ethana	Propane	Butane	Isobutane	Plus
Ethane	Alt	100%				
Propane	All		100%			
Butane	All			100%		
Mixed Streems	1, IV, V 11	30%	40% 25% 80%	60% 15% 20%	15%	15%

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