

MINING ACTIVITIES IN TURKEY

ACTIVITIES OF THE MINERAL RESEARCH AND EXPLORATION INSTITUTE DURING 1962

I. GEOLOGICAL WORK

1. *Geological mapping.*— In connection with the preparation of the 1 : 500,000-scale Geological Map of Turkey, the areas belonging to the map - sections of Hatay, Adana, Ankara, Samsun, Konya, İzmir, İstanbul were worked on.

2. *Prospecting for oil.* — Prospection work carried out in the Darende - Akçadağ (Malatya), Gürün (Sivas) regions and within the so called «closed district» of Çorum, Çankırı and Yozgat was continued this year with detailed geological structure and location investigations.

Detailed geological study of an area covering some 2760 km² in Darende and Gürün was completed on a 1: 25,000-scale map. In addition, structure and location investigations of an area covering some 69 km² within the closed district of Çorum, Çankırı and Yozgat, which has so far been encountered as the location of interest, was completed on a 1: 10,000-scale map.

During prospection work, sixteen geological sections were prepared on a scale of 1 : 10,000 and with a total length of 65 km.

3. *Hydrogeological studies.* — Hydrogeological studies were carried out on some of the hot springs, such as Kozaklı (Nevşehir), Sandıklı (Afyon), Gönen (Balıkesir), Ayvacık (Çanakkale), Şeyhamam (Ankara) and Merkez (Akseki).

4. *Volcanological studies.* — Volcanological studies, with a view to benefiting from the mineral and power sources of old volcanoes covering a large area in Turkey, were first carried, out in Kayseri region, on a scale of 1: 25,000.

II. MINING GEOLOGY

1. *Iron.* — In the district of Avnik (Bingöl) were discovered 3,000,000 tons of visible and probable ore. In addition, through drilling work carried out in Çetinkaya-Pınarözü (Sivas) region, a visible reserve of 10,270,000 tons and 1,000,000 tons of probable reserve were discovered, totally amounting to 11,270,000 tons iron ore. A reserve of 4,000,000 tons is expected in Gürün-Otlukilise (Sivas) region, according to the results obtained in prospection work.

Prospections and geological studies were conducted on 120 anomalies located in Western, Central and Eastern Anatolia, which were found out through airborne magnetometric prospection.

2. *Copper*— In addition to existing reserves, a reserve of 20,800,000 tons copper ore was discovered through prospectings carried out in order to determine the size and extent of the Murgul (Çoruh) copper ore deposit and to discover new reserves. A general prospection was conducted in Kütahya, Balıkesir, Manisa, Tunceli and Elazığ regions.

3.- *Aluminium*— Prospections were continued in Akseki (Antalya) region and a reserve of 3,200,000 tons was estimated. Geological study was carried out in Alanya (Antalya) and Ereğli (Konya) bauxite regions and also on seven aluminium occurrences in Milas.

4. *Gold, silver and accompanying minerals.* — Geological studies, investigations and drillings continued in Kartaldağ, Madendağ (Çanakkale) and Arapdağ (İzmir) regions. In addition, prospecting was conducted for silver, cobalt, nickel and arsenic in Western Anatolia.

5. *Phosphates*- — In order to find out phosphates in as short time as possible, systematical prospection was carried out in Southeastern Anatolia, over an area of 37,000 km² by a well-equipped field group.

6. *Boron*— Prospections were carried out in Emet (Kütahya), Bigadiç (Balıkesir), Seyitgazi (Eskişehir) regions.

7. *Manganese, antimony and mercury*- — Prospections were carried out in Antalya for chromite, in Tavşanlı (Kütahya) for manganese and in Gökçedağ (Balıkesir), Değirmisaz (Kütahya) for antimony and mercury.

8. *Radioactive minerals.* — Prospections were conducted in Çavdarlı, Koçarlı, Mersin Beleni, Karacahayıt, Kisir (Aydın), Salihli-Köprübaşı (Manisa), Emet, Göncek (Kütahya) regions, through drill-holes, adits and trenches and were discovered metal uranium reserves estimated at 100 tons in Çavdar, Kisir (Aydın), 200 tons in Kasar (Manisa) and 100 tons in Milas (Muğla). In addition, Afyonkarahisar, Isparta, Konya, Burdur, Antalya, Salihli, Demirci, Ankara, Beyşehir, Simav, Sındırgı, Çankırı, Emirdağ, Bolu, Gerede, Karadeniz Ereğlisi, Eskişehir and Kütahya regions were prospected aurally, on foot or on car.

9. *Coal*- — Detailed exploratory work was carried out in five coal deposits, which were geologically studied before, and prospecting was conducted in 24 regions. Exploratory work conducted in Ovacık-İskilip (Çankırı) was completed. As a result, a total of 1,407,000 tons were discovered, with visible reserves of 140,000 tons and possible and probable reserves of 1,267,000 tons.

III. GEOPHYSICS

This year various kinds of geophysical methods were applied for the investigation of magnetic iron anomalies, copper explorations, determination of oil structures and development of hot water springs.

Of the anomalies discovered in Aegean and Central Anatolia regions through aerial prospection, 35 were examined magnetometrically. Different geophysical methods were carried out to explore copper and accompanying complex ores, to investigate oil structure in Ortakonuş-Anamur (İçel), which seems hopeful

from geological point of view, and also in Akçadağ, Darende (Malatya), Kemah (Erzincan), Hafik (Sivas) regions.

IV. TECHNICAL OPERATIONS

Iron. — 49 bore-holes totalling 3,703.40 meters, 620,875 m³ of adits and 15 meters of wells were drilled in Avnik, Pınarözü-Çetinkaya (Sivas), Otluklise (Sivas) regions.

Copper. — 30 bore-holes, a total of 6,407.10 meters, were drilled in the vicinity of Murgul.

Aluminium. — 32 bore-holes, totalling 6,548.40 meters, trenches 230,250 m³, and wells and adits 21 meters, were dug in Akseki (Antalya), Seydişehir (Konya) regions.

Gold. — 13 bore-holes totalling 1,691.10 meters, trenches 569,600 m³ and adits 570 m, were dug in Kartaldağ, Madendağ (Çanakkale), Arapdağ (İzmir) regions.

Uranium. — 125 bore-holes totalling 3,208.08 meters, trenches 97,480 m³, adits 157 meters and wells 30 meters, were dug in Koçarlı, Kisir, Söke (Aydın), Kasar-Gördes, Ragıllar-Demirci (Manisa), Kargıcık Milas (Muğla) regions.

Coal. — 22 bore-holes, totalling 5,914.75 meters, were drilled in Salıpazarı (Bolu), Ovacık (Çankırı), Bayburt, Kelkit (Gümüşane), Amasra (Zonguldak) basins.

Geophysical test and basement drilling. — A geophysical test 115 meters long and seven basement drillings some 88 meters long were carried out in Seli-miye (Balıkesir).

V. WORK DONE IN LABORATORIES

Paleontology. — 2,867 samples of fossils were examined; macro and micro-paleontologic determinations made.

Various laboratories. — In various laboratories (chemical, mineralogy, flotation, ceramics, coal and petroleum) dry analyses and tests were carried out on 9,732 different samples.

II. MINES OPERATED BY ETIBANK *

A. Ergani Copper Mine

Year	Copper production (tons)			Copper sold		Average number of workers	Cost of labor (TL.)			Per man shift
	Blister	Re-fined	Total	Tons	TL.		Wages paid	Social aid	Total	
1941	8,100	910	9,010	1,693	1,447,985	1,430	700,000	—	700,000	1.16
1945	7,649	1,895	9,544	2,197	2,347,150	1,404	875,786	430,000	1,305,786	2.79
1950	11,700	—	11,700	13,413	18,588,159	1,667	1,697,813	846,816	2,544,629	4.11
1951	13,096	1,084	14,180	10,200	27,376,273	1,552	1,951,852	870,180	2,822,032	4.86
1952	14,985	—	14,985	14,386	35,725,945	1,635	2,466,944	1,157,612	3,624,556	6.01
1953	14,695	260	14,955	19,235	36,859,964	1,698	2,472,648	1,235,683	3,708,331	6.38
1954	16,030	681	16,711	16,601	33,769,529	1,558	3,385,619	1,391,447	4,777,066	8.40
1955	15,166	1,851	17,017	17,146	43,732,541	1,575	3,792,821	1,520,513	5,313,334	9.08
1956	17,390	328	17,718	17,026	43,697,203	1,609	4,869,515	1,814,179	6,683,698	11.35
1957	15,299	2,720	18,019	17,812	26,511,179	1,584	5,316,001	1,624,083	6,970,084	11.65
1958	15,583	2,537	18,120	18,091	52,028,506	1,535	6,167,358	2,204,870	8,372,228	14.95
1959	15,830	1,191	17,021	20,056	117,468,864	1,526	6,360,295	2,656,023	9,016,318	17.78
1960	16,075	1,547	17,622	18,986	108,389,908	1,488	8,380,446	3,050,419	11,430,865	21.03
1961	15,138	1,186	16,324	14,993	88,250,219	1,686	9,050,095	2,782,967	11,833,062	21.50
1962	16,600	1,147	16,747	14,859	102,543,478	1,796	10,219,707	4,092,405	14,312,112	23.62

B. Murgul Copper Mine

Year	Blister copper produced (tons)	Copper sold		Average number of workers	Cost of labor TL.			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1952	8,345	7,140	18,232,334	1,532	1,571,863	851,340	2,423,203	5.29
1953	8,802	10,723	19,513,409	1,528	1,933,732	934,412	2,868,144	6.37
1954	8,502	8,146	17,467,745	1,610	2,217,143	1,200,519	3,417,662	7.82
1955	6,783	7,655	21,915,959	1,612	2,372,849	1,325,707	3,698,556	8.34
1956	7,045	6,310	14,131,603	1,669	3,098,900	1,582,784	4,681,684	10.13
1957	6,382	5,581	13,624,461	1,942	4,054,026	1,862,322	5,915,348	11.62
1958	4,410	5,102	8,066,443	1,883	4,243,121	2,265,677	6,508,798	13.78
1959	8,015	7,218	38,200,000	1,624	5,198,876	2,874,216	8,073,092	19.78
1960	8,601	12,375	73,154,384	1,946	7,317,884	3,883,841	11,201,725	22.53
1961	3,670	3,900	16,516,599	1,936	8,613,685	3,753,436	12,367,121	24.13
1962	9,175	9,848	57,095,584	1,952	8,504,556	4,074,032	12,578,588	26.36

* For more detailed information regarding history, installations, capacity, production and new installations of Etibank, please refer to «Dünya Maden Haberleri, 1956-1957».

C. Eastern Chromite Mines

Year	Production run of mine and concentrate (tons)	Marketable chromite		Average number of workers	Cost of labor (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1950	165,968	144,037	17,119,455	401	410,520	244,404	654,924	4.55
1951	159,623	156,245	17,644,556	563	553,030	346,572	899,602	4.67
1952	179,503	149,659	17,595,228	520	705,632	461,215	1,166,847	6.22
1953	174,244	182,012	24,223,917	550	799,324	501,644	1,300,968	6.38
1954	121,579	73,434	10,246,156	530	912,490	604,738	1,517,228	7.27
1955	173,150	184,019	22,996,802	600	1,172,700	770,700	1,943,400	7.75
1956	272,440	229,522	28,606,237	1,155	2,243,421	1,191,116	3,434,537	10.34
1957	313,910	202,190	27,204,150	1,403	4,414,596	1,609,488	6,024,084	11.76
1958	194,406	174,585	29,175,009	1,661	5,825,683	2,202,118	8,027,800	13.08
1959	109,301	143,899	45,485,326	955	3,445,734	1,784,937	5,200,671	12.92
1960	153,627	119,191	38,729,547	1,449	5,169,688	2,569,374	7,739,062	19.11
1961	132,770	136,178	37,423,379	1,393	5,512,151	2,289,930	7,802,081	21.07
1962	139,270	56,129	16,653,096	1,187	5,300,456	2,473,470	7,773,926	23.33

D. Üçköprü Chromite Mine

Year	Production run of mine and concentrate (tons)	Chromite sold		Average number of workers	Cost of labor (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1960	27,974	1,120	391,673	258	1,103,597	183,782	1,287,379	16.21
1961	27,863	12,644	2,593,135	290	1,289,157	294,425	1,583,582	19.14
1962	40,308	25,500	8,021,082	275	966,198	375,350	1,341,548	19.94

E. Keçiborlu Sulphur Mine

Year	Sulphur produced (tons)	Sulphur sold		Average number of workers	Cost of labor (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1950	6,002	4,715	1,365,771	339	314,390	102,324	416,714	3.88
1951	7,390	7,636	2,178,138	282	375,232	99,557	474,789	4.68
1952	8,368	8,154	2,186,168	286	479,468	159,555	639,023	6.26
1953	9,775	9,365	2,483,059	284	436,764	251,180	687,944	6.93
1954	10,000	9,373	2,385,118	285	462,434	199,207	661,641	6.90
1955	11,500	9,678	2,513,446	297	618,559	259,037	877,596	8.26
1956	13,900	16,338	5,582,711	297	753,078	318,276	1,071,354	10.09
1957	13,100	12,367	3,973,927	342	789,857	384,306	1,184,163	9.95
1958	12,825	12,509	4,241,390	336	1,133,362	485,078	1,618,440	13.62
1959	13,385	11,583	1,753,683	373	1,535,776	824,928	2,360,704	18.17
1960	17,100	11,504	5,620,118	398	1,777,882	1,030,202	2,808,084	21.31
1961	15,650	14,925	7,299,885	416	1,445,578	914,401	2,359,979	20.88
1962	18,540	18,873	9,325,263	426	1,171,610	920,490	2,092,100	22.29

F. Emet Colemanite Mine

Year	Production run of mine and concentrate (tons)	Colemanite sold		Average number of workers	Cost of labor (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1960	11,029	5,003	1,514,514	121	437,225	103,717	510,942	13.31
1961	10,356	9,726	2,722,407	88	346,776	134,774	481,550	16.30
1962	30,911	29,381	7,675,459	225	568,322	198,729	767,051	14.93

G. Küre Pyrite and Chalcopyrite Mine *

Year	Production run of mine and concentrate (tons)	Pyrite sold		Average number of workers	Cost of labor (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1960	40,795	61,375	7,081,498	192	736,480	261,240	997,720	20.46
1961	102,123	100,146	13,383,493	227	923,988	311,533	1,235,521	18.74
1962	107,088	109,397	15,245,821	238	1,121,244	335,735	1,456,979	19.30

* Preliminary, subject to adjustment.

H. Keban Lead Mine

Year	Production (tons)		Average number of workers	Cost of labor (TL.)			Per man shift
	Lead concentrate	Zinc concentrate		Wages paid	Social aid	Total	
1955	1,588	1,517	197	252,650	138,257	390,907	7.22
1956	1,502	1,287	239	356,601	116,085	472,686	7.17
1957	1,355	1,129	245	408,098	102,309	510,407	7.87
1958	1,205	1,773	251	455,306	129,875	585,181	8.41
1959	1,070	2,129	257	533,726	193,107	746,833	7.60
1960	1,006	2,383	—	—	—	—	—
1961	1,040	2,512	313	1,197,707	—	—	16.72
1962	992	2,112	290	1,444,929	359,956	1,804,885	19.69

III. TURKISH STATE COAL EXPLOITATION

A. Ereğli Coal Mines (E.K.I.)

Year	Production (tons)		Coal sold		Average number of workers	Cost of labor (TL.)			Per man shift
	Run of mine	Marketable coal	Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1941	3,019,626	2,124,995	1,851,721	17,672,004	21,738	9,422,000	1,333,000	10,755,000	1.65
1945	3,718,772	2,524,056	2,233,474	48,182,898	29,605	22,362,122	13,310,819	35,672,941	3.49
1950	4,360,598	2,832,243	2,650,979	76,170,702	27,061	30,989,403	14,243,245	45,232,648	4.85
1951	4,729,589	2,987,846	2,711,604	81,417,587	26,389	31,648,041	15,467,113	47,115,154	5.15
1952	4,846,342	3,010,312	2,915,847	89,451,865	28,648	35,778,225	18,121,686	53,899,911	5.94
1953	5,654,326	3,664,314	3,539,665	101,722,808	31,089	43,089,840	26,077,453	69,158,293	6.95
1954	5,711,253	3,690,125	3,572,264	102,333,513	33,191	57,565,003	30,159,782	87,724,785	8.09
1955	5,495,697	3,500,219	3,384,739	118,246,848	33,900	67,832,058	35,274,779	103,106,837	9.24
1956	5,888,308	3,717,718	3,566,594	134,968,296	34,410	94,788,660	40,660,023	135,448,683	11.82
1957	5,610,441	3,547,777	3,386,276	126,969,705	30,237	89,223,377	45,156,118	134,389,495	13.39
1958	5,891,571	3,613,182	3,232,963	208,479,231	28,078	107,575,896	54,716,142	162,292,038	16.53
1959	5,967,948	3,561,484	3,354,621	328,442,630	29,175	125,728,356	75,821,025	201,549,381	20.65
1960	5,849,857	3,345,734	3,540,630	371,159,263	28,567	170,586,533	66,745,668	237,332,201	22.38
1961	5,944,029	3,488,094	3,317,815	357,362,194	29,508	164,597,305	60,690,514	225,287,819	23.32
1962	6,485,282	3,892,767	3,809,883	417,995,172	30,636	185,213,646	62,711,647	247,925,293	27.08

Costs of labor paid during 1958-1959 include wages, overtime payments, production allowances, children allowances, attendance prizes and additional allowances.

Costs of labor paid during 1960-1961 are given together. They are not shown separately as wages and social aid.

B. Western Lignite Mines

Year	Production (tons)		Lignite sold		Average number of workers	Cost of Labor (TL.)			Per man shift
	Run of mine	Marketable lignite	Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1941	199,333	176,789	171,090	954,984	1,090	528,000	126,000	708,000	1.84
1945	588,615	523,194	444,093	7,275,955	5,396	2,744,630	1,649,959	4,009,589	3.03
1950	980,226	746,553	701,316	12,342,458	5,117	4,962,600	2,848,919	7,811,519	4.19
1951	994,294	751,020	681,026	12,714,834	4,997	5,509,771	3,542,159	9,051,930	4.96
1952	1,081,497	764,653	724,295	15,478,276	5,208	6,027,863	3,585,082	9,612,945	5.80
1953	1,314,083	912,321	893,088	20,054,502	5,100	6,917,693	4,018,730	10,936,423	6.61
1954	1,656,932	1,085,225	1,022,101	25,099,750	5,489	8,092,572	5,147,348	13,239,920	7.84
1955	1,805,381	1,188,305	1,060,744	28,789,004	5,737	9,072,967	4,964,187	14,038,154	8.30
1956	2,070,937	1,316,685	1,291,755	34,293,278	5,019	13,059,706	6,523,633	19,583,339	10.74
1957	2,516,059	1,705,684	1,674,019	47,301,415	5,318	15,718,942	8,485,725	24,204,667	12.50
1958	2,602,319	1,724,696	1,724,745	71,501,284	5,019	16,703,261	8,214,046	24,917,307	13.96
1959	2,513,431	1,644,327	1,620,592	87,294,901	4,973	20,203,958	10,312,102	30,516,060	17.03
1960	2,716,878	1,698,415	1,625,160	85,620,418	5,187	24,189,063	12,254,151	36,443,214	19.93
1961	2,494,002	1,508,730	1,339,515	72,057,559	5,247	25,488,074	12,884,479	38,372,553	20.42
1962	3,052,647	1,867,454	1,780,643	93,166,890	5,212	28,622,646	13,305,874	41,928,520	22.49

Costs of labor paid during 1958-1959 include wages, overtime payments, production allowances, children allowances, attendance prizes and additional allowances.

Costs of labor paid during 1961 are given as one figure. They are not shown separately as wages and social aid.

IV. IRON AND STEEL WORKS OF TURKEY
1960 -1962 PRODUCTIONS

<i>Commodity</i>	<i>1960 (Tons)</i>	<i>1961 (Tons)</i>	<i>1962 (Tons)</i>
Iron ore	426,253	473,115	548,680
Melted raw iron	163,260	187,372	222,198
Pig iron	83,412	48,027	70,595
Steel	265,434	282,986	241,871
Rolled products	214,867	240,019	239,425
Pipe (end pipe)	15,049	5,297	5,614
Pipe (seamless)			11,812
Coke and coke powder	529,298	526,086	530,603
Sulfuric acid (60° Bé)	20,373	19,903	18,160
Sulfuric acid (66° Bé)	7,313	7,508	5,478
Superphosphate	11,548	9,482	12,632
Copper sulphate	—	—	—
Ammonium sulphate	4,622	4,267	4,095
Anthracene	172	6	40
Benzol	4,655	4,312	4,139
Creosote	4,792	2,349	2,748
Anti-malarial oil	5	5	3
Naphthalene	678	670	566
Pitch	4,995	1,792	3,500
Road tar	18,174	18,728	16,195
Solvent naphtha	81	44	54
Toluol	266	278	258
Xylol	177	203	195

V. PRODUCTION AND SHIPMENT OF ORES AND MINERALS -1962

<i>C o m m o d i t y</i>	<i>Production (tons)</i>	<i>Shipment (tons)</i>
Asbestos (<i>Private enterprise</i>)	898	452
Antimony (<i>Private enterprise</i>)	1,460	3,037
Copper (<i>State</i>) blister	25,775	24,666
Barite (<i>Private enterprise</i>)	3,000	390
Boracite (<i>State</i>)	33,491	29,965
(<i>Private enterprise</i>)	103,428	65,896
Mercury (kg) (<i>Private enterprise</i>)	93,000	68
(<i>State</i>)	1,000	—
Zinc (<i>State</i>) concentrates	2,111	3,977
(<i>Private enterprise</i>) calcined	4,749	7,330
Iron (<i>State</i>) metal	500,125	503,974
(<i>Private enterprise</i>)	312,730	192,831
Fluorite (<i>Private enterprise</i>)	666	658
Phosphorous salts (<i>Private enterprise</i>)	20	—
Graphite	—	—
Chromite (<i>State</i>)	170,982	90,894
(<i>Private enterprise</i>)	356,060	233,091
Lead (<i>State</i>) concentrates	990	1,044
(<i>Private</i>) concentrates	1,008	992
Zinciferous lead (<i>Private enterprise</i>) (raw)	3,429	2,450
Sulphur (<i>State</i>)	18,539	19,043
Lignite (<i>State</i>)	3,218,318	1,930,896
(<i>Private enterprise</i>)	1,016,339	963,386
Meerschaum (<i>Private enterprise</i>) [1]	2,003	1,413
Mineral water (<i>Private enterprise</i>)	—	—
Manganese (<i>Private enterprise</i>)	23,967	15,798
Pyrite (<i>State</i>)	107,080	119,906
Sodium sulphate (<i>Private enterprise</i>)	7,046	4,959
Coal (<i>State</i>)	6,485,282	3,810,942
(<i>Private enterprise</i>)	6,337	7,282
Emery (<i>Private enterprise</i>)	3,805	3,715
Magnesite (<i>Private enterprise</i>)	19,960	5,850

[1] Case = 50 kilograms.

VI. PETROLEUM ACTIVITIES IN TURKEY -1962

Geological, Geophysical and Drilling Activities of the Oil Companies in Turkey - 1962

Exploration licences		Geology				Geophysics				Drilling	
Number	Area km ²	General km ²	Detail km ²	Party month	Party month 1000 km ²	Gra. and Mag. km ²	Seismic km.	Party month	Party month 1000 km ²	Number	Meters
110	48,395.52	14,400	11,093	57.65	1.19	12,941	683.9	45.20	0.93	40	73,043

OIL RESERVES

According to the estimates made at the end of 1962, oil reserves are about 2,400,000,000 barrels.

Crude Oil Produced During 1962 (in tons)

Raman	Batıraman	Garzan ve Germik	Magrip	Kurtalan	Kâhta	Bulgurdağ	Kayaköy	TOTAL
156,369	24,396	295,872	24,269	9,764	—	51,795	32,943	595,408

Oil Production in 1962 (in bbls)

OIL FIELDS								TOTAL
Turkish Petroleum Co.					Ersan	Mobil	Shell	
Raman	Garzan	Kurtalan	Batıraman	Magrip	Kâhta	Bulgurdağ	Kayaköy	
1,052,184	2,047,562	71,290	158,310	162,334	—	391,401	249,359	4,132,440

REFINING ACTIVITIES

Crude Oil Refined and Products Obtained by the Batman Refinery in 1962 (in tons)

<i>Refined Crude Oil</i>	<i>Obtained Products</i>
492,819	451,860

Products Obtained from the Batman Refinery (in tons)

<i>Gasoline</i>	<i>Solvent</i>	<i>Kerosene</i>	<i>Diesel</i>	<i>Fuel oil</i>	<i>Asphalt</i>	<i>TOTAL</i>
78,549	1,526	16,541	53,091	212,047	90,106	451,860

Total Crude Oil Refined and Products Obtained by the İzmit Refinery in 1962 (in tons)

<i>Refined Crude oil</i>	<i>Obtained products</i>
935,443	842,380

Products Obtained (in tons)

<i>L.P.G.</i>	<i>Gasoline</i>	<i>Kerosene</i>	<i>Diesel</i>	<i>Fuel oil</i>	<i>TOTAL</i>
6,063	184,174	86,634	184,226	381,283	842,380

Total Crude Oil Refined and the Products Obtained by Mersin Refinery in 1962 (in tons)

<i>Refined crude oil</i>			<i>Obtained products</i>
<i>Local</i>	<i>Imported</i>	<i>TOTAL</i>	
102,911	1,355,663	1,458,574	1,338,951

Products Obtained (in tons)

<i>Gasoline</i>	<i>Kerosene</i>	<i>Diesel</i>	<i>Fuel oil</i>	<i>TOTAL</i>
260,116	178,762	378,400	521,643	1,338,951

CRUDE OIL AND PETROLEUM PRODUCTS OF TURKEY DURING 1962
(Amounts produced, imported, refined, consumed and exported)

1 - Crude Oil Produced and Imported (in tons)

<i>Produced or imported by</i>		<i>Production area</i>	<i>Local production amount</i>	<i>Amount imported</i>	<i>TOTAL</i>
LOCAL	TURKISH PETROLEUM COMPANY	Raman, Garzan-Germik, Magrip, Batıraman, Kurtalan	510,670	—	510,670
	MOBIL	Bulgurdağ	51,795	—	51,795
	SHELL	Kayaköy	32,943	—	32,943
IMPORTED	İPRAŞ	Gach Saran/IRAN	—	920,617	920,617
	ATAŞ (MOBIL)	Kerkük/IRAK	—	801,975	801,975
	ATAŞ (SHELL)	Qatar	—	294,232	294,232
	ATAŞ (B.P.)	Qatar	—	252,198	252,198
T O T A L		Production and import	595,408	2,269,022	2,864,430

2 - Amount of Crude Oil Refined (in tons)

<i>Source</i>	<i>Kind of petroleum refined</i>	<i>Batman Refinery</i>	<i>İsmit Refinery</i>	<i>Mersin Refinery</i>	<i>TOTAL</i>
LOCAL	TURKISH PETROLEUM COMPANY	492,819	—	—	492,819
	Bulgurdağ	—	—	63,060	63,060
	Kayaköy	—	—	39,851	39,851
IMPORTED	Gach-Saran	—	935,443	—	935,443
	Kerkük	—	—	812,593	812,593
	Qatar	—	—	543,070	543,070
T O T A L		492,819	935,443	1,458,574	2,886,83

3 - Amount of Petroleum Products Produced and Imported (in tons)

<i>Petroleum products</i>	<i>A M O U N T P R O D U C E D</i>				<i>Amount Imported</i>	<i>Grand total</i>
	<i>Batman</i>	<i>Ismit</i>	<i>Mersin</i>	<i>Total</i>		
L.P.G.	---	6,063	---	6,063	—	6,063
GASOLINE	78,549	184,174	260,146	522,869	22,712	545,581
SOLVENT	1,526	—	—	1,526	1,897	3,423
KEROSENE	16,541	86,634	178,762	281,937	126,599	408,536
DIESEL	53,091	184,226	378,400	615,717	162,870	778,587
FUEL OIL	212,047	381,283	521,643	1,114,973	16,674	1,131,647
ASPHALT	901,06	—	—	90,106	—	90,106
T O T A L	451,860	842,380	1,338,951	2,633,191	330,752	2,963,943

4 - Amount of Petroleum Products Consumed and Exported (in tons)

<i>Petroleum products</i>	<i>Consumption</i>	<i>Exportation</i>	<i>TOTAL</i>
L.P.G.	1,740	3,854	5,594
GASOLINE	510,492	—	510,492
SOLVENT	1,103	—	1,103
KEROSENE	397,911	—	397,911
DIESEL	737,615	303	737,918
FUEL OIL	421,136	603,924	1,025,060
ASPHALT	92,395	—	92,395
T O T A L	2,162,392	608,081	2,770,473

Note : 1-Products (plane gasoline, jet fuel, paraffin-vaseline, special products and mineral oil) which are not obtained in new refineries are not included in the lists.

2 - Military requirements are not included.

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