

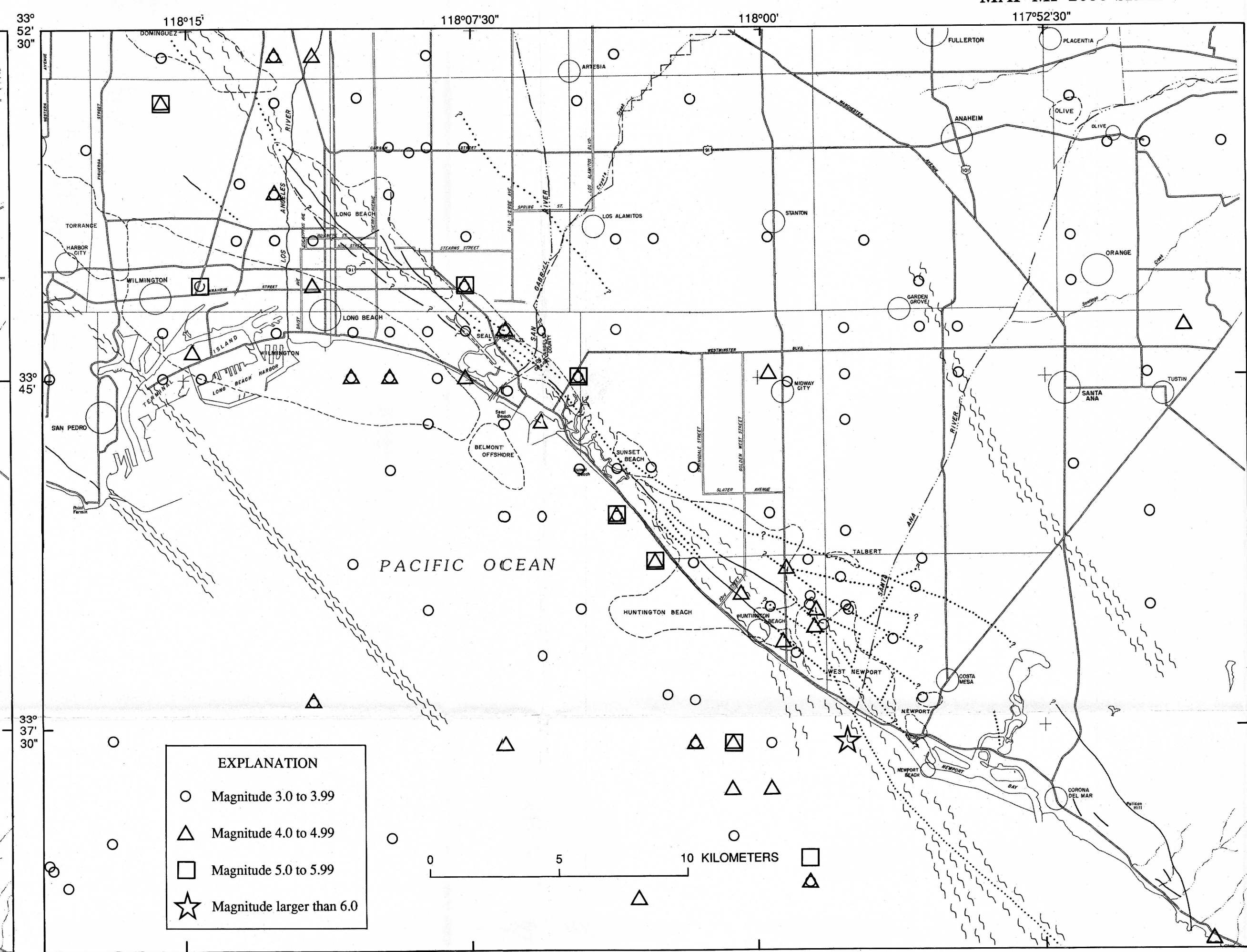


Figure 5. Instrumental seismicity ($M_L \geq 3$) within the area considered in this report, 1932-74. Data supplied by Thomas H. Heaton, U.S. Geological Survey.

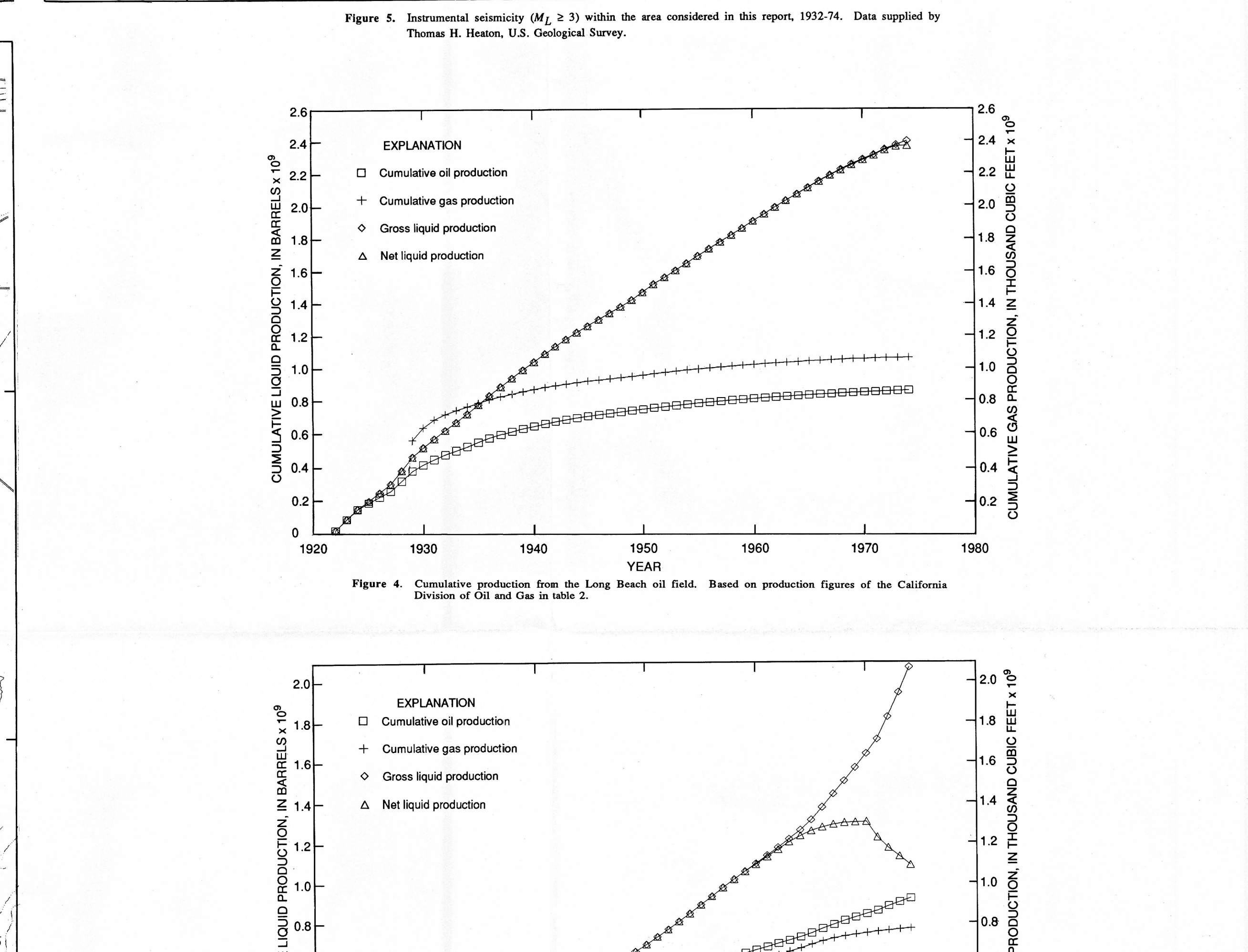


Figure 4. Cumulative production from the Long Beach oil field. Based on production figures of the California

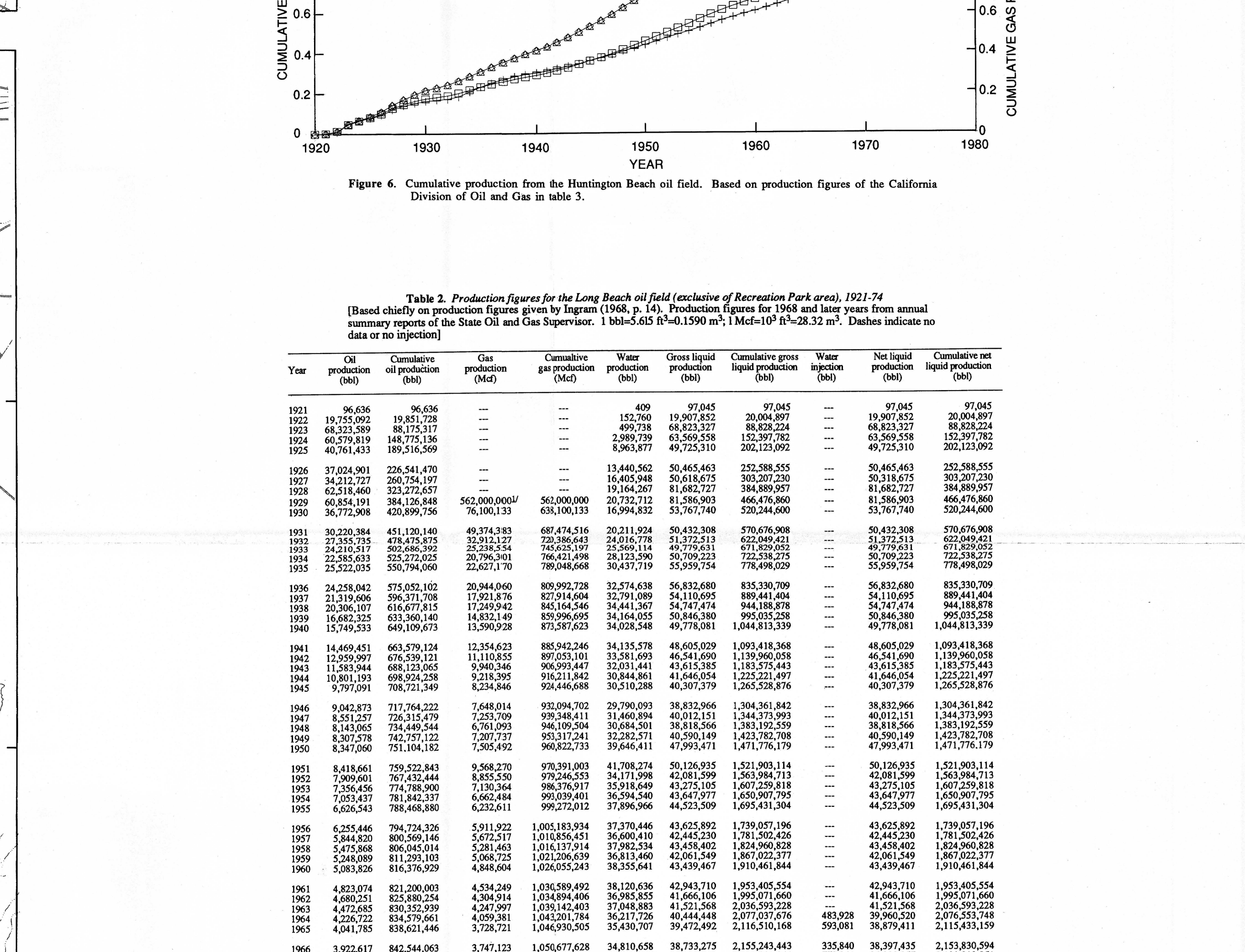


Figure 6. Cumulative production from the Huntington Beach oil field. Based on production figures of the California Division of Oil and Gas in table 3.

Table 2. Production figures for the Long Beach oil field (exclusive of Recreation Park area). [Based chiefly on production figures given by Ingram (1968, p. 14). Production figures for 1948 and last summary reports of the State Oil and Gas Supervisor. 1 bbl=5.615 ft³=0.1590 m³; 1 Mcf=10³ ft³=28.32 m³; data or no injection]

Year	OE (M\$)	Domestic consumption (M\$)	Gas consumption (M\$)	Domestic consumption (M\$)	Value added (M\$)	Gross input (M\$)	Domestic input (M\$)	Value added (M\$)	No lipid input (M\$)	Domestic input (M\$)
1921	86.28	86.28			100	107.65	107.65	97.81		97.81
1922	117.002	117.002			135	147.51	147.51	134.04		134.04
1923	148.715	148.715			170	182.96	182.96	165.58		165.58
1924	187.215	187.215			216	228.99	228.99	205.27		205.27
1925	235.441	235.441			276	294.63	294.63	265.47		265.47
1926	291.615	291.615			342	364.77	364.77	328.63		328.63
1927	351.227	351.227			414	437.87	437.87	395.85		395.85
1928	415.695	415.695			492	518.92	518.92	468.77		468.77
1929	487.925	487.925			576	604.97	604.97	548.63		548.63
1930	567.798	567.798			666	700.02	700.02	635.78		635.78
1931	655.495	655.495			762	797.07	797.07	718.52		718.52
1932	751.625	751.625			876	913.12	913.12	824.47		824.47
1933	866.895	866.895			1008	1059.17	1059.17	958.42		958.42
1934	992.445	992.445			1158	1215.22	1215.22	1102.37		1102.37
1935	1128.675	1128.675			1336	1391.27	1391.27	1256.32		1256.32
1936	1276.125	1276.125			1542	1587.32	1587.32	1430.27		1430.27
1937	1435.495	1435.495			1776	1813.37	1813.37	1654.22		1654.22
1938	1606.495	1606.495			2046	2079.42	2079.42	1898.17		1898.17
1939	1789.725	1789.725			2352	2385.47	2385.47	2152.12		2152.12
1940	2085.725	2085.725			2694	2751.52	2751.52	2466.07		2466.07
1941	2404.275	2404.275			3072	3157.57	3157.57	2850.02		2850.02
1942	2746.275	2746.275			3498	3593.62	3593.62	3243.97		3243.97
1943	3112.275	3112.275			4074	4169.67	4169.67	3727.92		3727.92
1944	3502.725	3502.725			4704	4755.72	4755.72	4251.87		4251.87
1945	3917.275	3917.275			5496	5341.77	5341.77	4835.82		4835.82
1946	4356.275	4356.275			6354	5927.82	5927.82	5379.77		5379.77
1947	4828.725	4828.725			7378	6513.87	6513.87	5943.72		5943.72
1948	5334.725	5334.725			8578	7100.92	7100.92	6527.67		6527.67
1949	5874.275	5874.275			9954	7686.97	7686.97	7081.62		7081.62
1950	6447.275	6447.275			11502	8273.02	8273.02	7655.57		7655.57
1951	7054.275	7054.275			13230	8859.07	8859.07	8249.52		8249.52
1952	7694.725	7694.725			15138	9445.12	9445.12	8843.47		8843.47
1953	8368.725	8368.725			17226	10031.17	10031.17	9437.42		9437.42
1954	9076.275	9076.275			19500	10617.22	10617.22	10031.37		10031.37
1955	9816.275	9816.275			21978	11203.27	11203.27	10625.32		10625.32
1956	10598.725	10598.725			24660	11789.32	11789.32	11219.27		11219.27
1957	11423.725	11423.725			27558	12375.37	12375.37	11815.32		11815.32
1958	12298.725	12298.725			30702	12961.42	12961.42	12401.27		12401.27
1959	13213.725	13213.725			34098	13547.47	13547.47	13087.22		13087.22
1960	14168.725	14168.725			37734	14133.52	14133.52	13673.17		13673.17
1961	15163.725	15163.725			41700	14719.57	14719.57	14259.12		14259.12
1962	16198.725	16198.725			46002	15305.62	15305.62	14845.07		14845.07
1963	17273.725	17273.725			50634	15891.67	15891.67	15431.02		15431.02
1964	18388.725	18388.725			55602	16477.72	16477.72	16016.97		16016.97
1965	19543.725	19543.725			60912	17063.77	17063.77	16602.92		16602.92
1966	20738.725	20738.725			66562	17649.82	17649.82	17188.87		17188.87
1967	21973.725	21973.725			72558	18235.87	18235.87	17774.82		17774.82
1968	23248.725	23248.725			78900	18821.92	18821.92	18360.77		18360.77
1969	24563.725	24563.725			85592	19407.97	19407.97	18946.72		18946.72
1970	25918.725	25918.725			92634	20000.02	20000.02	19532.67		19532.67
1971	27313.725	27313.725			100026	20586.07	20586.07	20118.62		20118.62
1972	28748.725	28748.725			107778	21172.12	21172.12	20704.57		20704.57
1973	30223.725	30223.725			115992	21758.17	21758.17	21290.52		21290.52
1974	31738.725	31738.725			124662	22344.22	22344.22	21876.47		21876.47
1975	33293.725	33293.725			133782	22930.27	22930.27	22462.42		22462.42
1976	34888.725	34888.725			143358	23516.32	23516.32	23048.37		23048.37
1977	36523.725	36523.725			153396	24102.37	24102.37	23634.32		23634.32
1978	38198.725	38198.725			163896	24688.42	24688.42	24220.27		24220.27
1979	39913.725	39913.725			174958	25274.47	25274.47	24806.22		24806.22
1980	41668.725	41668.725			186576	25860.52	25860.52	25392.17		25392.17
1981	43463.725	43463.725			198750	26446.57	26446.57	25978.12		25978.12
1982	45298.725	45298.725			211474	27032.62	27032.62	26564.07		26564.07
1983	47173.725	47173.725			224722	27618.67	27618.67	27149.92		27149.92
1984	49088.725	49088.725			238510	28204.72	28204.72	27735.87		27735.87
1985	51043.725	51043.725			252834	28790.77	28790.77	28321.82		28321.82
1986	53038.725	53038.725			267702	29376.82	29376.82	28907.77		28907.77
1987	55073.725	55073.725			283110	30000.00	30000.00	29493.72		29493.72
1988	57148.725	57148.725			299052	30624.05	30624.05	30079.67		30079.67
1989	59263.725	59263.725			315606	31248.10	31248.10	30665.62		30665.62
1990	61418.725	61418.725			332772	31872.15	31872.15	31251.57		31251.57
1991	63613.725	63613.725			350542	32496.20	32496.20	31837.52		31837.52
1992	65848.725	65848.725			368916	33120.25	33120.25	32423.47		32423.47
1993	68123.725	68123.725			387894	33744.30	33744.30	33009.42		33009.42
1994	70438.725	70438.725			407476	34368.35	34368.35	33595.37		33595.37
1995	72793.725	72793.725			427672	34992.40	34992.40	34181.32		34181.32
1996	75188.725	75188.725			448374	35616.45	35616.45	34767.27		34767.27
1997	77623.725	77623.725			469682	36240.50	36240.50	35353.22		35353.22
1998	80108.725	80108.725			491586	36864.55	36864.55	35939.17		35939.17
1999	82643.725	82643.725			514146	37488.60	37488.60	36525.12		36525.12
2000	85228.725	85228.725			537270	38112.65	38112.65	37111.07		37111.07
2001	87863.725	87863.725			561966	38736.70	38736.70	37697.02		37697.02
2002	90548.725	90548.725			588234	39360.75	39360.75	38282.97		38282.97
2003	93283.725	93283.725			616034	39984.80	39984.80	38868.92		38868.92
2004	96068.725	96068.725			645366	40608.85	40608.85	39454.87		39454.87
2005	98903.725	98903.725			676330	41232.90	41232.90	40040.82		40040.82
2006	101788.725	101788.725			708936	41856.95	41856.95	40626.77		40626.77
2007	104723.725	104723.725			743182	42481.00	42481.00	41212.72		41212.72
2008	107708.725	107708.725			779078	43105.05	43105.05	41798.67		41798.67
2009	110743.725	110743.725			816624	43729.10	43729.10	42384.62		42384.62
2010	113828.725	113828.725			855870	44353.15	44353.15	42970.57		42970.57
2011	116973.725	116973.725			896816	44977.20	44977.20	43556.52		43556.52
2012	120178.725	120178.725			939462	45601.25	45601.25	44142.47		44142.47
2013	123443.725	123443.725			983808	46225.30	46225.30	44728.42		44728.42
2014	126768.725	126768.725			1029854	46849.35	46849.35	45314.37		45314.37
2015	130153.725	130153.725			1077610	47473.40	47473.40	45900.32		45900.32
2016	133598.725	133598.725			1127476	48097.45	48097.45	46486.27		46486.27
2017	137103.725	137103.725			1179452	48721.50	48721.50	47072.22		47072.22
2018	140668.725	140668.725			1233638	49345.55	49345.55	47658.17		47658.17
2019	144293.725	144293.725			1289934	49969.60	49969.60	48244.12		48244.12
2020	147978.725	147978.725			1348280	50593.65	50593.65	48830.07		48830.07
2021	151723.725	151723.725			1408686	51217.70	51217.70	49416.02		49416.02
2022	155528.725	155528.725			1470852	51841.75	51841.75	50001.97		50001.97
2023	159393.725	159393.725			1534678	52465.80	52465.80	50587.92		50587.92
2024	163318.725	163318.725			1600174	53089.85	53089.85	51173.87		51173.87
2025	167303.725	167303.725			1667440	53713.90	53713.90	51759.82		51759.82
2026	171348.725	171348.725			1736476	54337.95	54337.95	52345.77		52345.77
2027	175453.725	175453.725			1808292	54962.00	54962.00	52931.72		52931.72
2028	179618.725	179618.725			1881888	55586.05	55586.05	53517.67		53517.67
2029	183									

Table 3. Production figures for the Huntington Beach oil field, 1920-74

[illegible]

¹ Adjusted to agree with 1960 corrected cumulative figure.

Figure 3. Height changes during selected periods along a part of the Newport-Inglewood zone of folds and faults.

By

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