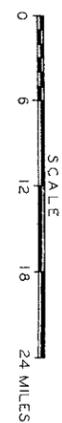
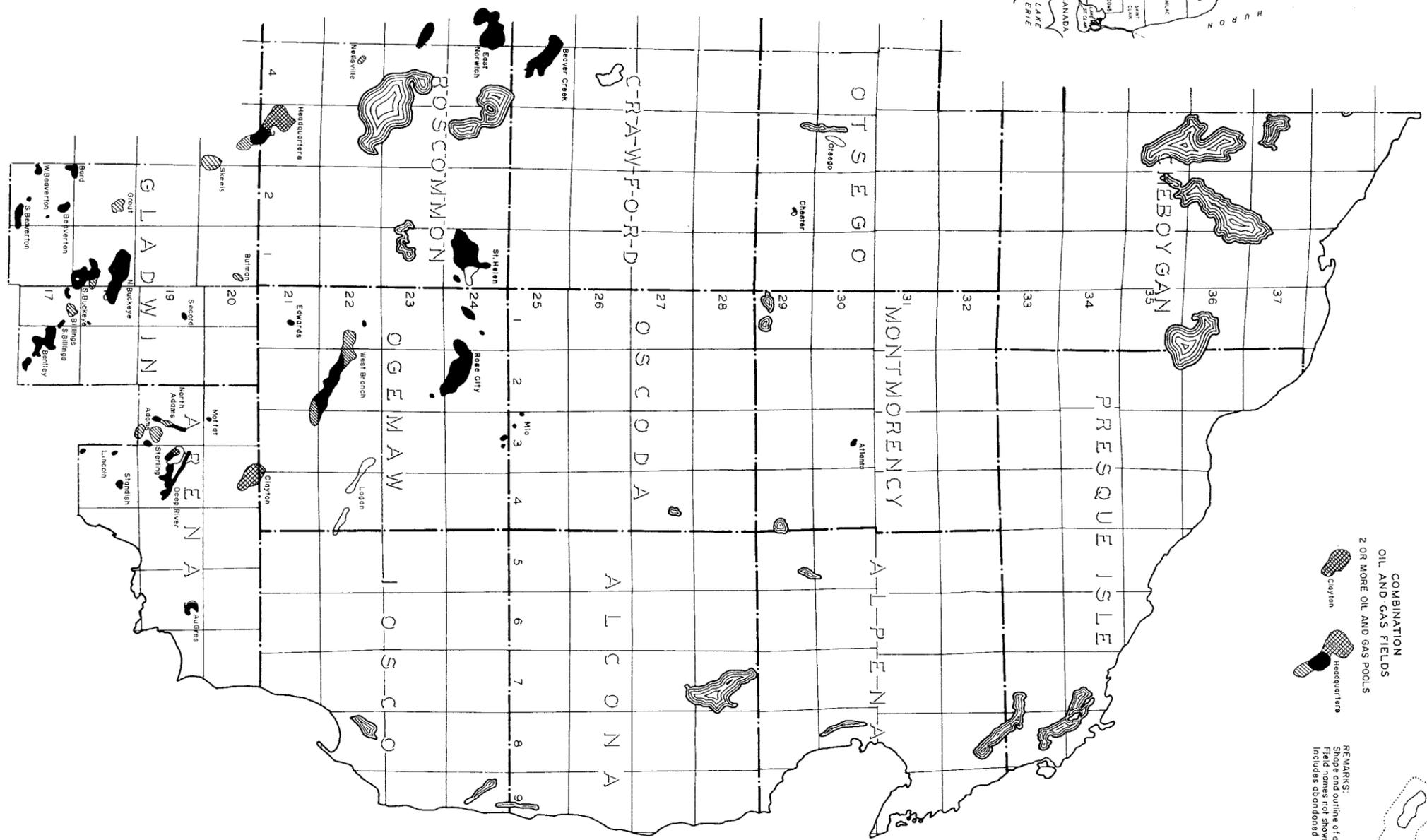


MICHIGAN OIL AND GAS FIELDS SOUTHERN PENINSULA



PART B



EXPLANATION

- OIL FIELDS
- SINGLE POOL
- BEAVER CREEK
- 2 OR MORE POOLS
- COMBINATION OIL AND GAS FIELDS
- 2 OR MORE OIL AND GAS POOLS
- CLOYTON
- HEADQUARTERS
- DEVELOPED GAS STORAGE AREA
- FARMOUTH
- GAS FIELDS
- ORIENT
- General outline of storage area.

REMARKS:
Shops and outline of oil fields are generalized. Field names not shown where space prohibits. Includes abandoned fields.

TABLE 7. ABANDONED OIL FIELDS Continued (3-3)

FIELD NAME OR POOL	1940	TRAVERSE	1953	4	L	1578	1	1944	6,370	10	637	YEAR OF DISCOVERY AND ABANDONMENT
OVERSEEL, SEC. 11	ALLEGAN	TRAVERSE	1953	4	L	1578	1					
FINCKING	BAY	TRAVERSE	2151	1	L	3790	1		PRODUCTION COMBINED WITH FINCKING DUNDEE			
PINE	MONTCALM	TRAVERSE	2656	1	L	3308	2		105,506	20	5,275	
PINE RIVER	GRATIOT	DUNDEE	3280	2	L	3285	2		13,285	90	148	
PINESTONE	BERRIEN	TRAVERSE	2890	5	L		1		760	10	76	
PORT HURON	ST. CLAIR	TRAVERSE	822	2	L	1353	2		85	20		
PROSPER	MISSAUKIE	RICHFIELD	575	20	L	4948	21		NO RECORD			
PULLMAN	ALLEGAN	TRAVERSE	5128	21	D	524	1		7,088	40	177	
RABBIT RIVER	ALLEGAN	TRAVERSE	1185	1	L	1942	9		26,840	90	298	
RICHLAND	SAGINAW	TRAVERSE	1655	3	L	1678	8		12,745	80	159	
RICHMOND, SEC. 1	LEWIS	TRENTON	2739	10	L	264	1		1,871	10	187	
SECOND	GLADWIN	DUNDEE	2415	4	D	2491	1		67	10	5	
SHERIDAN, SEC. 25	NEWAYGO	TRAVERSE	3437	5	L	3500	2		12,024	20	601	
SHERMAN, SEC. 18	ISABELLA	TRAVERSE	2204	1	L	2205	1		628	10	63	
SHY	OSCEOLA	TRAVERSE	3217	4	L	3835	3		1,364	20	68	
STONY LAKE	OCEANA	"TERESA"	930	1	SL	3837	2		PRODUCTION COMBINED WITH STONY LAKE TRAVERSE			
SUMMERFIELD	MORNOE	TRENTON-BLACK RIVER	1940	10	DL	2382	2		2,142			
THORNAPPLE, SEC. 4	BARRY	TRAVERSE	1951	2	L	1973	2		2,716	20	136	
TYRONE	KENT	TRAVERSE	2379	2	L	2900	7		31,449	140	225	
UNION	ISABELLA	TRAVERSE	3191	2	L	4096	1		58,263	20	2,913	
VICTORY, SEC. 10	MASON	TRAVERSE	1603	9	L	1616	1		580	10	58	
WEAVER	OCEANA	TRAVERSE	1681	2	L	1737	3		6,919			
WEAVER, SEC. 14	OCEANA	TRAVERSE	1674	1	L	2217	1		1,096	10	110	
WEST BRANCH	OCEANA	TRAVERSE	1796	2	L	11,012	1		PRODUCTION COMBINED WITH WEST BRANCH DUNDEE			
WHEATLAND	HECOSTA	DUNDEE	3690	2	L	3849	6		141,631	100	1,416	
WHITE CLOUD	NEWAYGO	TRAVERSE	2337	1	L	2540	1		1,295			
WHITE RIVER	MUSKOGON	DUNDEE	2093	2	L	2055	1		7,061	20	353	
ZEELAND	OTTAWA	SALINA	2792	5	D	3052	1		1,606	10	161	
ZEELAND, SEC. 28	OTTAWA	TRAVERSE	1491	1	L	2215	3		4,437	30	148	

117 ABANDONED FIELDS OR POOLS

4,168,855 -- TOTAL ABANDONED AND MISCELLANEOUS PRODUCTION TO 1-1-68

OIL FIELDS

TABLE 8. LOCATION OF ABANDONED OIL FIELDS (1-2)

FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP RANGE	PRODUCING SECTIONS	YEAR OF DISCOVERY AND ABANDONMENT	FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP RANGE	PRODUCING SECTIONS	YEAR OF DISCOVERY AND ABANDONMENT
ALAMO	KALAMAZOO	ALAMO	18 - 12W	19, 29, 30	1949	ENSLEY	NEWAYGO	ENSLEY	11N - 11W	6, 7, 8	1954
ALLEGAN	ALLEGAN	ALLEGAN	28 - 13W	2, 5, 9, 10, 13, 22, 23, 26, 27, 34, 35, 36	1937	EVERGREEN, SEC. 22	MONTCALM	EVERGREEN	10N - 6W	22	1953
ASHLAND, SEC. 8	NEWAYGO	ASHLAND	11N - 13W	8	1959	FORK	HECOSTA	FORK	16N - 7W	4, 5, 6, 7, 8, 16, 18	1945
BANCOR	VAN BUREN	BANCOR	28 - 16W	4, 5, 9, 10, 14, 15, 16, 21, 28, 29	1939	FORK, NORTH	OSCEOLA	ORIENT	17N - 7W	33	1951
BARTON	NEWAYGO	BARTON	16N - 11W	16	1947	FOREST RIVER	OCEANA	COLFAX	16N - 15W	12	1965
BEAVER, SEC. 31	BAY	BEAVER	15N - 3E	31	1954	FREEDOM	WASHTENAW	FREEDOM	3S - 4E	8	1954
BENOVA, SEC. 13	OCEANA	BENOVA	14N - 18W	13	1952	FREEMAN, SEC. 15	CLARE	FREEMAN	18N - 6W	15	1964
BIG PRAIRIE, SEC. 33	NEWAYGO	BIG PRAIRIE	13N - 11W	33	1947	FREHONT	ISABELLA	FREHONT	13N - 5W	5, 8	1938
BIRCH RUN (BEREA)	SAGINAW	BIRCH RUN	10N - 6E	19, 20, 21	1934	FREHONT	SAGINAW	FREHONT	11N - 2E	3, 5	1937
BLESOP	NEWAYGO	GARFIELD	12N - 13W	19, 20, 30	1950	FREHONT	ISABELLA	FREHONT	13N - 5W	32	1957
BLOOMER, SEC. 18	MONTCALM	BLOOMER	9N - 5W	18	1936	FREEPORT	BARRY	CARLTON	4N - 6W	6	1949
BLOODFIELD, SEC. 20	HERON	BLOODFIELD	17N - 14E	20	1940	GAINES, SEC. 8	KENT	GAINES	5N - 11W	8	1945
BLUE LAKE, SEC. 5	MUSKOGON	BLUE LAKE	12N - 16W	5	1940	GANGES, SEC. 4	ALLEGAN	GANGES	2N - 16W	4	1954
BREDSVILLE	VAN BUREN	GENEVA	18 - 16W	23, 24, 25, 26	1943	GARFIELD	CLARE	GARFIELD	17N - 6W	18	1946
BUSHNELL	MONTCALM	BUSHNELL	9N - 6W	1	1935	GENEVA	MIDLAND	GENEVA	15N - 2W	19, 20, 29	1935
BUTMAN	GLADWIN	BUTMAN	20N - 1W	1	1950	GIBSON (TRAVERSE)	BAY	GIBSON	18N - 3E	1, 2, 11, 12	1935
CALVIN	CASS	CALVIN	7S - 14W	1	1954	GIBSON (DUNDEE)	BAY	GIBSON	18N - 3E	2	1950
CASCO	ALLEGAN	CASCO	1N - 16W	34, 35	1940	GREENWOOD, SEC. 11	CLARE	GREENWOOD	19N - 5W	11	1952
CHEERY GROVE	WEXFORD	GENEVA	18 - 16W	4	1940	GROUT (DUNDEE)	GLADWIN	GROUT	18N - 2W	10, 11, 15	1940
CHESTER	ALLEGAN	CHEERY GROVE	21N - 10W	27	1952	HAMLIN	MASON	HAMLIN	19N - 18W	27	1952
CHESTER (NIAG)	ALLEGAN	CHESTER	1N - 14W	26, 27	1947	HART	OCEANA	HART	15N - 17W	36	1932
CHIPPWA, SEC. 10	ISABELLA	CHIPPWA	29N - 2W	15	1951	ELBRIDGE	CLARE	ELBRIDGE	15N - 16W	31	1932
CLEAR LAKE	VAN BUREN	PINE GROVE	18 - 13W	3, 4, 9, 10	1961	HATTON	CLARE	HATTON	18N - 4W	31	1941
CLINTON	WASHTENAW	BRIDGEWATER	48 - 4E	28	1950	HUBBARDSTON	ALLEGAN	LINCOLN	18N - 5W	36	1941
COFFEE LAKE	VAN BUREN	COLUMBIA	18 - 15W	17, 18	1946	HURE, SEC. 12	HURON	HOME	8N - 3W	4	1947
COLUMBIAN, SOUTH	ISABELLA	SHERMAN	15N - 6W	8	1951	JAMESSTON, SEC. 29	OTTAWA	JAMESSTON	3N - 14W	35	1945
CONROCK, SEC. 5	KALAMAZOO	CONROCK	28 - 10W	5	1949	HILLIARDS (TRAVERSE)	ALLEGAN	HOPKINS	3N - 12W	4, 5	1944
CONCORD	JACKSON	CONCORD	38 - 3W	35, 36	1953	HUNTON, SEC. 21	HECOSTA	HUNTON	13N - 6W	21	1948
CROOKED LAKE	ALLEGAN	CLYDE	2N - 15W	25	1949	HOLTON	MUSKOGON	HOLTON	12N - 15W	4, 9	1948
CROTON	NEWAYGO	CROTON	12N - 11W	20, 29	1951	HOPKINS	ALLEGAN	HOPKINS	3N - 12W	22, 23	1939
CRUMP	BAY	GARFIELD	16N - 3E	23	1950	HOPKINS, WEST	ALLEGAN	HOPKINS	3N - 12W	7, 18	1941
DALLAS	CLINTON	DALLAS	7N - 4W	21	1942	HUBBARDSTON	LOUISIA	NORTH PLAINS	8N - 3W	4	1947
DAY (DUNDEE)	MONTCALM	DAY	11N - 6W	36	1946	HURE, SEC. 12	HURON	HOME	18N - 12E	12	1953
DAYTON, SEC. 16	NEWAYGO	DAYTON	13N - 14W	16	1957	JAMESSTON, SEC. 29	OTTAWA	JAMESSTON	3N - 13W	29	1942
DECATUR, SEC. 4	VAN BUREN	DECATUR	4S - 14W	4	1942	JONESFIELD, SEC. 9	SAGINAW	JONESFIELD	12N - 1E	9	1949
DOUGLASS, SEC. 3	MONTCALM	DOUGLASS	11N - 7W	3	1954	JONESFIELD, SEC. 24	SAGINAW	JONESFIELD	12N - 1E	24	1942
EAST NORWICH (DUNDEE)	MISSAUKIE	NORWICH	24N - 5W	14	1942	LACOTA	MIDLAND	LARKIN	15N - 2E	21, 32	1935
EAST NORWICH (TRAVERSE)	MISSAUKIE	NORWICH	24N - 5W	16	1944	LARKIN	CLINTON	LEBANON	8N - 4W	34	1948
EDWARDSBURG	CASS	ONTWA	8S - 15W	22, 23	1940	LEBANON	ALLEGAN	LEE	1N - 15W	18, 19	1941
ELBA	GRATIOT	ELBA	9N - 1W	14, 15, 22, 23	1927	LEE	ALLEGAN	LEE	1N - 16W	13	1941
EKLAND	TUSCOLOA	EKLAND	14N - 11E	31	1946	LEE, SOUTH	ALLEGAN	LEE	1N - 15W	31	1949
		HOVESTA	13N - 11E	6	1946	LENE LAKE	HILLSDALE	WRIGHT	1N - 16W	36	1949
									8S - 1W	11	1960

OIL FIELDS

TABLE 8. LOCATION OF ABANDONED OIL FIELDS Continued (2-2)

FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP ANTY. RANGE	PRODUCING SECTIONS	YEAR OF DISCOVERY AND ABANDONMENT	FIELD NAME OR POOL		COUNTY	TOWNSHIP NAME	PRODUCING SECTIONS	YEAR OF DISCOVERY AND ABANDONMENT	
						WATSON, SEC. 8	WEARE, SEC. 14					
LINCOLN, SEC. 9	MIDLAND	LINCOLN	15N - 10	9	1919	1949	WATSON, SEC. 8	ALLEGAN	WATSON	2N - 12W	8	1949
MARNE	OTTAWA	TALLMARGE	7N - 13E	5	1940	1946	WEARE, SEC. 14	OCEANA	WEARE	16N - 17W	12, 13	1941
MARTIN	ALLEGAN	MARTIN	2N - 11W	18	1948	1960	WEST BRANCH (TRAVERSE)	OCEANA	HORTON	21N - 2E	1	1933
MEARS	OCEANA	GOLDEN	15N - 18W	34, 35	1949	1959	WHEATLAND	MECOSTA	WHEATLAND	14N - 7W	7, 8	1945
MOUNT HALEY	MIDLAND	MOUNT HALEY	13N - 1E	28	1934	1947	WHITE CLOUD	NEWAYGO	WILCOX	16N - 12W	19	1963
MOUNT FOREST, SEC. 1	BAY	MOUNT FOREST	17N - 3E	1	1946	1946	WHITE RIVER	MUSKOGON	WHITE RIVER	12N - 18W	15	1950
NEW BOSTON	WAYNE	HURON	4S - 9E	18	1943	1949	ZEELEND	OTTAWA	ZEELEND	5N - 14W	25, 30, 31, 36	1942
NEW RICHMOND	ALLEGAN	MANLIUS	3N - 15W	16	1945	1966	ZEELEND, SEC. 4	OTTAWA	HOLLAND	5N - 15W	5, 35, 36	1942
NILES	BRETTEN	NILES	7S - 17W	1, 2, 3	1940	1958	ZEELEND, SEC. 28	OTTAWA	ZEELEND	5N - 14W	6	1956
NORTH PLAINS, SEC. 18	IONIA	NORTH PLAINS	8N - 5W	18	1950	1951				5N - 14W	21, 28	1954
NORTH PORTER	CASS	PORTER	7S - 13W	32	1930	1955						
OSHTENO, SEC. 5	KALAMAZOO	OSHTENO	2S - 12W	5	1944	1944						
OTISVILLE (TRAVERSE)	GENESSE	FOREST	9N - 8E	5	1941	1946						
OTSEGO	ALLEGAN	OTSEGO	1N - 12W	30	1939	1962						
OTSEGO, SEC. 9	ALLEGAN	TROMBRIDGE	1N - 13W	36	1939	1962						
OTTO	OCEANA	OTTO	13N - 16W	19, 30	1955	1956						
OVERISEL, SEC. 11	ALLEGAN	OVERISEL	4N - 14W	11	1940	1944						
PINE	MONTGOMERY	PINE	11N - 5W	29	1938	1963						
PINE RIVER	GRATIOT	PINE RIVER	12N - 3W	31	1942	1958						
PIPERSTONE	BRETTEN	PIPERSTONE	12N - 4W	36	1942	1958						
PORT HURON	ST. CLAIR	PORT GRAYTOD	5S - 17W	24	1886	1921						
PROSPER (RIGHTFIELD)	MISSAUKEE	ACTIVA	22N - 6W	35	1954	1957						
PULLMAN	ALLEGAN	CASCO	1N - 16W	11, 12	1949	1951						
RABBIT RIVER	ALLEGAN	SALEN	4N - 13W	28, 29, 32, 33	1950	1959						
RICHLAND	SAGINAW	RICHLAND	12N - 2E	31	1936	1936						
RIDGEWAY, SEC. 1	LENWEE	RIDGEWAY	6S - 5E	1	1954	1962						
SECORD	GLADWIN	SECORD	19N - 1E	11, 12	1937	1941						
SHERIDAN, SEC. 25	NEWAYGO	SHERIDAN	12N - 14W	25	1951	1955						
SHERIDAN, SEC. 29	NEWAYGO	SHERIDAN	12N - 14W	29	1958	1958						
SHERIDAN, SEC. 26	MECOSTA	SHERIDAN	15N - 7W	26	1952	1953						
SHERMAN, SEC. 18	ISABELLA	SHERMAN	15N - 6W	18	1939	1947						
SHIMASSEE, SEC. 11	SHIMASSEE	SHIMASSEE	6N - 3E	11	1930	1931						
SILVER CREEK	CASS	SILVER CREEK	5S - 16W	22, 23	1939	1964						
SPRINGFIELD, SEC. 22	OAKLAND	SPRINGFIELD	4N - 8E	22	1955	1955						
SUNBERFIELD	KONROE	SUNBERFIELD	7S - 6E	30	1958	1964						
SUNBERFIELD	LENWEE	DEERFIELD	7S - 5E	24	1958	1964						
SUMPTER, SEC. 22	WAYNE	SUMPTER	4S - 8E	22	1941	1942						
TIORNAPPLE, SEC. 4	BARRY	TIORNAPPLE	4N - 10W	3, 4	1952	1961						
TYONE	KENT	TYONE	10N - 12W	10, 11, 14, 15	1952	1958						
UNION	ISABELLA	UNION	14N - 4W	20	1950	1963						

In the column titled PRODUCING SECTIONS, listing of a section or part of a section does not necessarily mean the entire section to be productive of oil or gas in any or all potentially productive formations. Only those sections, or parts of sections, which have had at least one well completed as an oil or gas well are listed.

These tables also include miscellaneous, single wells which reported small amounts of oil production. Production from these wells is accounted for in the cumulative oil tables.

TABLE 9. MICHIGAN GAS FIELDS (1-3)

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING FORMATION OR POOL	DEPTH IN FEET	PAY ZONE THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS			GAS PRODUCTION IN M.C.F. THROUGH 1967	DRILLED ACRES	REMARKS
								TO END 1967	ABAND. IN 1967	PROD. AT END 1967			
ALPINE	ST. CLAIR	1963	NIAGARAN	3151	25 D	CLINTON	3470	1	0	1	75,625	80	
ASHTON	OSCEOLA	1946	MICHIGAN STRAY	1215	2 S	REED CITY	3779	3	0	1	205,860	400	SHUT IN
ASTON, EAST	OSCEOLA	1962	MICHIGAN STRAY	1297	5 S	REED CITY	3750	1	0	1	0	160	SHUT IN
BEVERNS LAKE	MECOSTA	1951	DUNDEE	3536	11 L	REED CITY	3771	2	0	1	19,975	320	
BIG RAPIDS	MECOSTA	1943	MICHIGAN STRAY	1244	6 S	REED CITY	3595	3	0	1	7,143	1640	
BLESSFIELD	LENWEE	1965	DUNDEE	1145	7 S	REED CITY	3595	9	0	1	5,907	160	
BLOSSFIELD	LENWEE	1965	TRENTON-BLACK RIVER	3420	6 L	REED CITY	3595	1	0	1	28,141	160	
CAL-LEE	CALHOUN	1962	NIAGARAN	2866	9 D	CLEMMON	3251	1	0	1	8,710	40	
CAPAC	ST. CLAIR	1961	NIAGARAN	3094	8 D	PRATIE DU ORHEN	4912	5	1	5	348,936	320	
CEDAR	OSCEOLA	1945	MICHIGAN STRAY	1490	7 S	MT. SIZON S4.	6337	53	3	1	3,926,041	8960	5 WELLS SHUT IN
CHERRY GROVE, SEC. 13	HEMPHORD	1957	MICHIGAN STRAY	1226	3 S	DUNDEE	4080	5	0	1	870,232	640	1 WELL DOMESTIC USE
CHESTER	OSCEOLA	1965	ANTWIN	1360	9 SH.	NIAGARAN	6870	16	9	0	0	640	SHUT IN FOR MARKET
CHINA BELLE	ST. CLAIR	1963	NIAGARAN	2365	15 D	NIAGARAN	2451	3	0	3	146,551	120	
CHINA, SOUTH	ST. CLAIR	1961	SALINA-NIAGARAN	2324	14 D	CLINTON	2743	11	0	2	8,870	440	3 WELLS SHUT IN
CLARE CITY	CLARE-ISABELLA	1937	MICHIGAN STRAY	1290	5 S	DUNDEE	3865	6	0	1	2,294,990	720	DOMESTIC USE
CLAYTON	AREMAC	1936	BEREA	1180	10 S	SYLVANIA	4163	31	0	17	5,111,048	1560	DOMESTIC USE
COLEFAK	MECOSTA	1945	MICHIGAN STRAY	1240	8 S	DETROIT RIVER	4043	4	0	1	485,844	640	DOMESTIC USE
COLUMBUS	ST. CLAIR	1957	DUNDEE-REED CITY	3474	9 D	CLINTON	3232	8	0	1	5,121	160	DOMESTIC USE
COLUMBUS, SEC. 23	ST. CLAIR	1965	NIAGARAN	2900	46+ D	CLINTON	3122	5	1	5	4,412,880	320	
COLUMBUS, WEST	ST. CLAIR	1967	SALINA-NIAGARAN	3183	14+ D	CLINTON	3370	12	12	0	0	200	SHUT IN
COOR CREEK	MACOMB	1963	NIAGARAN	3034	20 D	NIAGARAN	3093	2	0	1	1,328	80	PRODUCTION TO BEGIN IN 1968
COTTRELLVILLE	ST. CLAIR	1959	SALINA-NIAGARAN	2932	37 D	CLINTON	2511	2	0	2	134,116	160	SHUT DOWN TO PLUG
DEEP RIVER	AREMAC	1936	BEREA	1490	10 S	SYLVANIA	4311	12	0	3	1,609,812	1520	REFER TO OIL WELL GAS PRODUCTION
DORR	ALLEGAN	1957	DETROIT RIVER	1918	1 D	NIAGARAN	3319	1	0	1	4,710	160	SHUT IN
DOOR, SEC. 17	ALLEGAN	1951	"BEREA"	953	8 D	TRAVERSE	1642	1	0	1	0	40	DOMESTIC USE
DOOR, SEC. 21	ALLEGAN	1940	"BEREA"	957	1 D	TRAVERSE	1687	1	0	1	0	40	DOMESTIC USE
EDEN	MASON	1958	TRAVERSE	1960	7 L	CAMBRIAN	7249	1	0	1	0	160	SHUT IN
EDENVILLE, SEC. 5	MIDLAND	1956	SAGINAW FM.	382	12 S	DUNDEE	4028	3	0	2	0	160	SHUT IN FOR MARKET
ENLEY	NEWAYGO	1958	MARSHALL	826	5 S	DETROIT RIVER	3018	8	0	0	906,436	1280	SHUT IN - POSSIBLE STORAGE
EMERFISSE, SEC. 37	MISSAUKEE	1953	MICHIGAN STRAY	1866	5 S	DETROIT RIVER	4200	2	0	2	0	320	DOMESTIC USE
FALMOUTH	MISSAUKEE	1962	MICHIGAN STRAY	1279	3 S	REED CITY	4035	6	0	4	188,342	1280	1 WELL SHUT IN
FERRY, SEC. 25	OCEANA	1961	"BEREA"	1310	5 D	REED CITY	2650	1	0	1	0	40	DOMESTIC USE
FILLMORE	ALLEGAN-OTTAWA	1959	SALINA A-2 GARB.	2632	16 D	NIAGARAN	3045	11	0	11	1,390,791	1600	PRODUCTION CONTINUED
FORK, NORTH	OSCEOLA	1959	SALINA A-1 GARB.	2792	16 D	REED CITY	3623	1	0	1	60,178	160	DOMESTIC USE
FORK, WEST	MECOSTA	1943	MICHIGAN STRAY	1433	19 S	SYLVANIA	5198	17	0	2	7,060	2880	DOMESTIC USE & LEASE FUEL
FORWARD	MISSAUKEE	1961	MICHIGAN STRAY	1933	7 S	DETROIT RIVER	5225	6	0	3	63,487	960	
FOUR CORNERS	ST. CLAIR	1966	SALINA-NIAGARAN	2205	212 D	CLINTON	2638	2	0	2	40,843	80	
FOULERVILLE	LIVINGSTON	1961	SALINA-NIAGARAN	3880	45 D	PRATIE DU ORHEN	5685	2	0	2	0	320	SHUT IN
FREEMONT, SEC. 32	ISABELLA	1958	MICHIGAN STRAY	1264	6 S	DUNDEE	3619	1	0	1	1,851	160	SHUT IN - CUMULATIVE PRODUCTION COMBINED WITH DETROIT RIVER OIL WELL GAS
HEAQUARTERS	ROSSIGNON	1945	MICHIGAN STRAY	1340	6 S	SYLVANIA	5929	12	0	2	1,712,820	1760	SEE OIL WELL GAS
HESSEN	ST. CLAIR	1965	NIAGARAN	2499	261 D	NIAGARAN	2887	15	3	0	15	600	1 WELL SHUT IN

GAS FIELDS

TABLE 9. MICHIGAN GAS FIELDS Continued (2-3)

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING FORMATION OR POOL	DEPTH FEET	THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS			GAS PRODUCTION IN MCF		REMARKS		
								TO END 1967	COMP. IN 1967	ABAND. IN 1967	PROD. AT END 1967	PRODUCED IN 1967		CUMULATIVE THROUGH 1967	DRILLED ACRES
HILLARDS	ALLEGAN	1958	SALINA A-1 CARB.	2938	30 D	NIAGARAN	3157	6	0	0	6	63,206	1,935,563	940	3 WELLS SHUT IN
LEONARD	OKLAND	1963	NIAGARAN	4245	21 D	CLINTON	4450	1	0	0	1	0	0	40	SHUT IN
LOGAN	WASCON	1941	RICHFIELD	3260	5 S	RICHFIELD	3330	2	0	0	2	0	13,289	80	SHUT IN
LOGAN	OSHWAGO	1944	BEREA	1620	6 S	RICHFIELD	4537	16	0	0	16	184,751	485,976	2240	2 WELLS SHUT IN
LYNDON	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
HARPLE VALLEY, SEC. 16	MONTCALM	1959	DETROIT RIVER	1733	11 D	REED CITY	3365	1	0	0	1	0	0	160	DOMESTIC USE
McRAY	CLARE	1929	MICHIGAN STRAY	1400	3 S	DETROIT RIVER	4055	9	0	0	2	0	712,626	340	DOMESTIC USE COMBINED WITH OIL FIELD DATA - REFERS TO OIL WELL GAS PRODUCTION
WARRINE CITY, SOUTH	ST. CLAIR	1962	SALINA A-1 CARB.	2100	4 D	NIAGARAN	2251	5	0	0	5	915,367	915,367	200	1 WELL SHUT IN
MASKAC CREEK	ST. CLAIR	1965	SALINA-NIAGARAN	2450	190 D	CLINTON	2903	5	0	0	5	22,181	1,121,039	680	SHUT IN
MARTINY	MEGOSTA	1934	MICHIGAN STRAY	1370	2 S	DETROIT RIVER	3807	5	0	0	4	0	0	320	DOMESTIC USE
MEGOSTA	MEGOSTA	1966	MICHIGAN STRAY	1345	10 S	DUNDEE	3779	2	0	0	2	0	0	320	SHUT IN
MIDDLE BRANCH	OSCEOLA	1964	MICHIGAN STRAY	1630	10 S	DETROIT RIVER	4283	4	0	0	4	63,693	217,562	640	2 WELLS SHUT IN
MONTAGUE	MUSKOGON	1953	SALINA-NIAGARAN	3794	80 D	TRONTON	4517	3	0	0	2	0	41,482	480	DOMESTIC USE
MORTON	MEGOSTA	1946	MICHIGAN STRAY	1279	2 S	DUNDEE	3691	2	0	0	1	0	118,377	320	DOMESTIC USE
MT. CLEMENS	MACOMB	1961	SALINA	2530	18 D	CANBRIAN (?)	4695	1	0	0	1	0	0	40	DOMESTIC USE
MUSKOGON	MUSKOGON	1927	TRAVERSE-DUNDEE-DETROIT RIVER	1660	6 L	ST. PETER	4754	7	0	0	2	0	7,237,438	1520	DOMESTIC USE & LEASE FUEL
MUTTONVILLE	MACOMB	1966	SALINA-NIAGARAN	2576	194 D	CLINTON	3039	3	0	0	3	880,941	880,941	120	DOMESTIC USE
NEWARK	GRATIOT	1948	MICHIGAN STRAY	979	5 S	DUNDEE	3255	6	0	0	4	0	441,757	960	TO PLUG AND ABANDON
NORTH MOREN'I	LENAWEE	1962	TRAVERSE	638	2 D	PRAIRIE DU CHIEN	3284	69	7	0	69	54,315	54,315	2800	60 WELLS SHUT IN
NORTH STAR	GRATIOT	1940	MICHIGAN STRAY	870	7 S	DUNDEE	3100	1	0	0	1	1,906	551,820	40	SHUT IN
NORTHVILLE	WAYNE-WASHTENAW	1937	SALINA-NIAGARAN	2905	2 D	CAMBRO-ORDOVICIAN	5850	8	0	0	6	64,377	3,769,477	1200	DOMESTIC USE
OTSEGO	OTSEGO	1954	TRONTON	4395	70 D	DUNDEE	3944	9	1	0	6	544,444	14,279,086	2320	TO CONVERT TO GAS STORAGE IN 1966
PHADISE	GRAND TRAVERSE	1965	TRAVERSE	1385	4 SH	DUNDEE	1897	3	0	0	3	0	0	840	SHUT IN
PARIS	MEGOSTA	1949	DUNDEE	1217	5 S	REED CITY	3545	2	0	0	1	10,400	367,384	160	REFER TO ABANDONED FIELDS
PARIS	MEGOSTA	1951	MICHIGAN STRAY	3192	30 D	TRONTON-BLACK RIVER	4905	3	0	0	3	216,866	483,781	160	1 WELL SHUT IN
PAWELLLO	CALHOUN	1959	SALINA A-1 CARB.	2386	47 D	CLINTON	2842	2	0	0	2	0	37,272	80	COMBINED WITH OIL FIELD DATA - REFER TO OIL WELL GAS PRODUCTION
PETERS	ST. CLAIR	1955	SALINA-NIAGARAN	1291	1 S	DUNDEE	3469	2	0	0	2	0	0	40	DOMESTIC USE
PIVBE, SECS. 9 & 17	MONTCALM	1951	MICHIGAN STRAY	3025	5 L	DUNDEE	3583	1	0	0	1	0	0	40	SHUT IN
PTONER	MISSAUKEE	1931	TRAVERSE	1269	6 S	RICHFIELD	5254	3	0	0	2	0	152,482	480	USED FOR LEASE FUEL
PROSPER	MISSAUKEE	1948	MICHIGAN STRAY	1645	7 D	TRONTON	3020	3	0	0	3	0	27,223	460	SHUT IN
PULLMAN, EAST	ALLEGAN	1961	SALINA A-2 CARB.	1645	7 D	TRONTON	3020	3	0	0	3	0	27,223	460	SHUT IN
PUTTONIT	ST. CLAIR	1960	SALINA-NIAGARAN	2423	60 D	NIAGARAN	2774	14	0	0	14	158,559	8,386,111	440	2 WELLS SHUT IN
RAVENNA	MUSKOGON	1936	"BEREA"	1205	10 D	DUNDEE	2306	30	0	0	4	0	1,432,593	4480	DOMESTIC USE
RAVENNA, SEC. 27	MUSKOGON	1953	"BEREA"	1182	6 D	DUNDEE	2500	3	0	0	2	0	32,243	400	DOMESTIC USE
REDDING	CLARE	1940	MICHIGAN STRAY	1675	3 S	SYLVANIA	5462	7	0	0	5	0	32,692	160	USED FOR LEASE FUEL
ROBOD	MACOMB	1965	NIAGARAN	3290	7 D	CLINTON	3686	1	0	0	1	0	0	40	SHUT IN
ROMULUS	WAYNE	1955	SALINA A-1 CARB.	1980	20 D	NIAGARAN	2259	2	0	0	1	0	45,065	320	SHUT IN
SHERIDAN	MEGOSTA	1955	MICHIGAN STRAY	1375	2 S	DUNDEE	3904	5	0	0	1	0	271,374	480	DOMESTIC USE
SURREY	CLARE	1945	MICHIGAN STRAY	1460	3 S	DUNDEE	4000	7	0	0	2	0	12,467	300	DOMESTIC USE
SHAN CREEK	ST. CLAIR	1967	SALINA-NIAGARAN	2256	245 D	DUNDEE	4000	1	1	0	1	0	0	40	NOT PERFORATED, SHUT IN
THAYBROTH	SAGINAW	1957	TRAVERSE	2085	6 L	TRAVERSE	2135	1	0	0	1	0	0	160	DOMESTIC USE

TABLE 9. MICHIGAN GAS FIELDS Continued (3-3)

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING FORMATION OR POOL	DEPTH FEET	THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	TO END 1967	COMP. IN 1967	ABAND. IN 1967	PROD. AT END 1967	PRODUCED IN 1967	CUMULATIVE THROUGH 1967	DRILLED ACRES	REMARKS
TURK LAKE	MONTCALM	1947	MICHIGAN STRAY	1081	4 S	DETROIT RIVER	3413	4	0	0	2	0	217,584	640	DOMESTIC USE
UNION, SEC. 6	ISABELLA	1965	MICHIGAN STRAY	1382	3 S	DUNDEE	3777	2	0	0	2	0	0	240	SHUT IN FOR MARKET
WALKER	KENT-OTTAWA	1939	"BEREA"	1150	8 D	ST. PETER	5222	1	0	0	1	0	0	220	SHUT IN
WARRINE CITY, SOUTH	ST. CLAIR	1962	SALINA A-1 CARB.	2100	4 D	NIAGARAN	2251	5	0	0	5	915,367	915,367	200	1 WELL SHUT IN
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752	940	5 TRAVERSE WELLS - 1 TRAVERSE/DETROIT RIVER WELL
WASHTENAW	WASHTENAW	1958	TRAVERSE	1230	11 S	TRONTON	4702	6	0	0	6	93,966	308,752		

TABLE 10. LOCATION OF MICHIGAN GAS FIELDS (1-2)

FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP AND RANGE	PRODUCING SECTIONS	FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP AND RANGE	PRODUCING SECTIONS
ALPINE	ST. CLAIR	HILES	6N - 15E	32	FORWARD	MISSAURIE	RYERSIDE	21N - 7W	25, 36
ASHTON	OSCEOLA	LINCOLN	16N - 10W	5, 6	CLAH UNION		CLAH UNION	21N - 6W	31
ASHTON, EAST	OSCEOLA	LINCOLN	18N - 10W	3	FOUR CORNERS	ST. CLAIR	CASCO	4N - 15E	36
BEVENS LAKE	NECOSTA	GREEN	16N - 10W	13	FOUR VILLES	LIVINGSTON	IDA	3N - 15E	1
BIG BAPTIS	NECOSTA	BIG BAPTIS	15N - 10W	3, 9, 10, 11, 13	FREEMONT, SEC. 32	ISABELLA	HANDY	3N - 3E	1, 2
BLISSFIELD	LENAWEE	BLISSFIELD	7S - 5E	5	HEADQUARTERS	ROSCORON	FREEMONT	13N - 5W	32
CAL-LEE	CALHOUN	LEE	15 - 5W	16, 22	HESSER	CLARE	ROSCORON	21N - 3W	17, 19, 20, 21, 29, 30
CARG	ST. CLAIR	MISSY	7N - 13E	4, 5, 8, 9, 16, 17, 18, 19, 20, 21, 28, 29, 32, 33	HILLANDS	ALLEGAN	FRANKLIN	20N - 3W	11
CEDAR	OSCEOLA	CEDAR	8N - 13E	21, 27, 28, 29, 32, 33, 34	LEONARD	OAKLAND	CASCO	4N - 15E	2, 3 (ALSO SEE OIL FIELDS)
CHERRY GROVE, SEC. 13	WEXFORD	CHERRY GROVE	21N - 10W	13	LOGAN	OAKLAND	COLUMBUS	5N - 15E	34, 35
CHESTER	OTSEGO	CHIEFSTER	29N - 20	7, 18	LOGAN	MASON	DORR	4N - 12W	33 (ALSO SEE OIL FIELDS)
CHINA BELLE	ST. CLAIR	CHINA	4N - 16E	10, 11, 14, 15, 16	LOGAN	MASON	ADDITION	5N - 11E	3, 4, 10
CHINA, SOUTH	ST. CLAIR	CHINA	4N - 16E	34, 35	LOGAN	OSHEWA	LOGAN	17N - 15W	15
CLARE CITY	CLARE	COTTRELLVILLE	3N - 16E	28, 33, 34	LYNDON	WASHTENAW	LOGAN	22N - 4E	9, 16
CLAYTON	AREWAC	CLAYTON	20N - 4E	3, 4	MORAY	CLARE	GRANT	22N - 3E	1, 12
COLDFAX	NECOSTA	COLDFAX	15N - 9W	6	MAPLE VALLEY, SEC. 16	MONTCALM	GRANT	17N - 4W	6
COLUMBUS	ST. CLAIR	COLUMBUS	5N - 15E	15, 16, 21, 22	MARIE CITY	ST. CLAIR	SURREY	17N - 5W	1
COLUMBUS, SEC. 23	ST. CLAIR	COLUMBUS	5N - 15E	23	MARINE CITY, SOUTH	ST. CLAIR	HATTON	18N - 4W	31
COLUMBUS, WEST	ST. CLAIR	COLUMBUS	5N - 15E	7, 17, 18	MARSAC CREEK	ST. CLAIR	HATTON	18N - 4W	31
COON CREEK	MACOMB	LENOX	4N - 14E	18	MARTINY	NECOSTA	GRANT	17N - 4W	6
COTTRELLVILLE	ST. CLAIR	COTTRELLVILLE	3N - 16E	(SEE OIL FIELD LIST FOR SECTIONS)	MARTINY	NECOSTA	SURREY	17N - 4W	6
DEEP RIVER	AREWAC	DEEP RIVER	19N - 4E	7, 8, 16, 17, 18, 20	MARTINY	NECOSTA	SURREY	17N - 4W	6
DORR (DETROIT RIVER)	ALLEGAN	DORR	4N - 12W	33 (SEE HILLIARD GAS FIELD)	MARTINY	NECOSTA	SURREY	17N - 4W	6
DORR (SEC. 17 & 21)	ALLEGAN	DORR	4N - 12W	17, 21	MARTINY	NECOSTA	SURREY	17N - 4W	6
EDEN	MASON	EDEN	17N - 16W	26 (ALSO SEE OIL FIELDS)	MARTINY	NECOSTA	SURREY	17N - 4W	6
EDENVILLE, SEC. 5	MIDLAND	EDENVILLE	16N - 1W	5	MARTINY	NECOSTA	SURREY	17N - 4W	6
ENSLEY	NEWAYGO	ENSLEY	11N - 11W	6, 7, 8, 17, 18	MARTINY	NECOSTA	SURREY	17N - 4W	6
ENTERPRISE	MISSAURIE	ENTERPRISE	23N - 5W	32	MARTINY	NECOSTA	SURREY	17N - 4W	6
ENTERPRISE, SEC. 32	MISSAURIE	ENTERPRISE	23N - 5W	32	MARTINY	NECOSTA	SURREY	17N - 4W	6
FALMOUTH	MISSAURIE	ACTVA	22N - 5W	4	MARTINY	NECOSTA	SURREY	17N - 4W	6
FERRY, SEC. 25	OCEWA	FERRY	16N - 16W	25	MARTINY	NECOSTA	SURREY	17N - 4W	6
FILLMORE	ALLEGAN	FILLMORE	4N - 15W	2, 3	MARTINY	NECOSTA	SURREY	17N - 4W	6
FORK, NORTH	OSCEOLA	ORIENT	17N - 7W	33	MARTINY	NECOSTA	SURREY	17N - 4W	6
FORK, WEST	NECOSTA	FORK	16N - 7W	5, 6, 7, 8, 16	MARTINY	NECOSTA	SURREY	17N - 4W	6
	OSCEOLA	EVART	17N - 8W	1, 2	MARTINY	NECOSTA	SURREY	17N - 4W	6
	OSCEOLA	EVART	17N - 8W	35, 36	MARTINY	NECOSTA	SURREY	17N - 4W	6

TABLE 10. LOCATION OF MICHIGAN GAS FIELDS Continued (2-2)

FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP AND RANGE	PRODUCING SECTIONS	FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME	TOWNSHIP AND RANGE	PRODUCING SECTIONS
PARIS	NECOSTA	GREEN	16N - 10W	21, 27, 28	ROMULUS	WAYNE	ROMULUS	3S - 9E	15, 16
PARTELO	CALHOUN	LFE	1S - 5W	12, 13	SHERIDAN	NECOSTA	SHERIDAN	15N - 7W	13, 14
PETERS	ST. CLAIR	CASCO	4N - 15E	(ALSO SEE OIL FIELDS)	SURREY	CLARE	SURREY	17N - 5W	23, 24
PINE, 9 & 17	MONTCALM	PIRE	11N - 8W	9, 17	SWAN CREEK	ST. CLAIR	CASCO	4N - 15E	36
PIONEER, 24	MISSAURIE	PIONEER	24N - 7W	24	TAYMOUTH	SAGINAW	TAYMOUTH	10N - 5E	11
PROSPER	MISSAURIE	ACTVA	22N - 6W	34, 35	TURK LAKE	MONTCALM	MONTCALM	10N - 8W	9, 10, 14, 15
		CLAH UNION	21N - 6W	2	UNION, SEC. 6	ISABELLA	UNION	14N - 4W	6
PULLMAN, EAST	ALLEGAN	LEE	1N - 15W	5, 6, 8	VICTORY	MASON	VICTORY	19N - 17W	10 (NON-COMMERCIAL GAS IN BASE OF GLACIAL DRIFT)
PULLYOUT	ST. CLAIR	CASCO	4N - 15W	11, 14, 15	WALKER	KEET	WALKER	7N - 12W	30, 32, 33
RAVENNA	MUSKEGON	RAVENNA	9N - 14W	4, 5, 6, 7, 8, 9, 17	WALKER	KEET	WALKER	6N - 12W	5
		SULLIVAN	9N - 15W	12	WALKER	KEET	WALKER	6N - 12W	5
		MORLAND	10N - 14W	32, 33	WALKER	KEET	WALKER	6N - 12W	5
RAVENNA, SEC. 27	MUSKEGON	RAVENNA	9N - 14W	22, 27, 28	WALKER	KEET	WALKER	6N - 12W	5
REDDING	CLARE	REDDING	19N - 6W	27, 32	WALKER	KEET	WALKER	6N - 12W	5
		FREDMAN	18N - 6W	2	WALKER	KEET	WALKER	6N - 12W	5
ROBEO	MACOMB	WASHINGTON	4N - 12E	11	WALKER	KEET	WALKER	6N - 12W	5

In the column titled PRODUCING SECTIONS, listing of a section or part of a section does not necessarily mean the entire section to be productive of oil or gas in any or all potentially productive formations. Only those sections or parts of sections, which have had at least one well completed as an oil or gas well are listed. These tables also include the few gas reservoirs which produce small quantities of oil.

TABLE II. ABANDONED GAS FIELDS

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING FORMATION OR POOL	PAY ZONE		DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS		GAS PRODUCTION IN MCF		REMARKS	
				DEPTH FEET	THICKNESS LITHOLOGY			TO END	COMP. IN	ABAND. IN	PROD. AT END		YEAR OF ABANDONMENT
ADAMS, SEC. 8	HILLSDALE	1962	TRAVERSE	1420	4 L	1	4169	1		1965	18,919	20	43 ABANDONED FIELDS 9,446,897 MCF CUMULATIVE GAS PRODUCTION FROM ABANDONED FIELDS This table also lists miscellaneous gas wells
ADAMS, NORTH	ARENSAC	1942	BEREA	1605	1 S	1	3101	1		1948	1,280	40	
ALBION	CALHOUN	1941	TRAVERSE	1610	7 L	4	4510	4		1948	6,114	120	
ALCONAC	ST. CLAIR	1947	ANTHILIN	202	6 SH	2	2504	2		1951	7,830	80	
BIG PRAIRIE	NEWAYGO	1944	MICHIGAN STRAY	1030	5 S	1	3322	1		1961	152,864	160	
BIG PRAIRIE, SEC. 33	NEWAYGO	1947	DUNDÉE	2896	2 L	1	2900	1		1952	62,324	40	
CANNON CREEK	MISSAURKE-WALKAWKA	1950	TRAVERSE	2695	11 L	21	4810	21		1956	851,369	3,360	
CEGAR CREEK	MUSKOGON	1940	"BEREA"	1125	7 D	7	2232	7		1960	624,528	1,120	
COOPERVILLE	OTTAWA	1939	"BEREA"	1240	5 D	3	1900	3		1959	108,839	240	
CRYSTAL VALLEY	OCEANA	1946	DUNDÉE	2400	7 L	4	5985	4		1966	162,079	160	
DAY	MONTCALM	1961	SALINA	4102	10 D	1		1		1966		40	
DIAMOND CRYSTAL SALT	ST. CLAIR	1934	MICHIGAN STRAY	1352	4 S	2	1395	2		1944	8,494	80	
DOUGLASS	MONTCALM	1943	MICHIGAN STRAY	2483	17 D	1	2500	1		1931	136,445	40	
EGLISTON	MUSKOGON	1951	"BEREA"	1120	5 D	7	2282	7		1966	291,097	1,120	
ELBA	GRATIOT	1928	MICHIGAN STRAY	670	10 S	10	2700	10		1957	246,058	520	
FORK, EAST	MECOSTA	1942	MICHIGAN STRAY	1680	5 S	4	3865	4		1946	102,708	640	
FREONT	ISABELLA	1941	MICHIGAN STRAY	1235	5 S	5	3556	5		1956	381,330	800	
GARFIELD	ISABELLA	1946	MICHIGAN STRAY	5013	8 S	1	5307	1		1948	535,811	40	
GILMORE	ISABELLA	1945	MICHIGAN STRAY	1560	3 S	6	4091	6		1952	203,312	520	
GOODWELL, EAST	NEWAYGO	1945	MICHIGAN	1190	4 S	2	3498	2		1950	7,504	200	
GRANT	MASON	1929	GLACIAL DRIFT	632	1 S	3	2385	3		1955	8,070	120	
GREEN	MECOSTA	1946	MICHIGAN STRAY	1250	3 S	2	3710	2		1951	73,368	320	
HAMILTON	CLARE	1940	MICHIGAN STRAY	1270	3 S	4	3897	4		1954	275,606	440	
HAMLIN	MASON	1952	SALINA-NIAGARAN	3950	3 D	1	6620	1		1962	0	160	
HARRISON	CLARE	1945	MICHIGAN STRAY	1675	3 S	7	5633	7		1962	598,465	760	
HEATH, SEC. 21	ALLEGAN	1940	SALINA	2492	19 D	1	2789	1		1965	63,430	160	
ISABELLA	ISABELLA	1949	MICHIGAN STRAY	1654	7 S	6	3993	6		1956	335,791	240	
ITUACA	GRATIOT	1943	MICHIGAN STRAY	900	16 S	5	3419	5		1965	1,520,995	800	
KARKAWLIN	BAY	1941	SALINA	7760	16 D	1	10877	1		1946	No Record		
LEATON	ISABELLA	1935	MICHIGAN STRAY	1240	2 S	5	3710	5		1940	185,609	400	
MANISTEE	MANISTEE	1959	SALINA	3616	94 D	1	4165	1		1961	0	160	
MECOSTA LAKE	MECOSTA	1953	MICHIGAN STRAY	1314	12 S	2	3690	2		1956	84,071	320	
MINERAL SPRINGS	OSCEOLA	1952	MICHIGAN STRAY	1397	3 S	4	3963	4		1960	228,762	480	
NORTHVILLE	OAKLAND-HASHIEMAW	1948	DUNDÉE	788	2 L	4	3850	4		1961	0	640	
PARIS	MECOSTA	1949	DUNDÉE	3404	5 L	2	3545	2		1959	268,667	560	
REIDER	MISSAURKE	1964	MICHIGAN STRAY	1385	4 S	3	4002	3		1966	0	320	
RICHARD, SEC. 27	MONTCALM	1963	MICHIGAN STRAY	1247	1 S	1	5330	1		1964	0	160	
SALEM	ALLEGAN	1958	DETROIT RIVER	1969	6 D	3	4347	3		1966	49,582	320	
SEARS	OSCEOLA	1964	MICHIGAN STRAY	1692	12 S	1	3988	1		1965	0	160	
ST. CLAIR, SEC. 18	ST. CLAIR	1953	SALINA-NIAGARAN	3567	2 D	1	3240	1		1961	16,101	160	
SYLVAN	OSCEOLA	1941	MICHIGAN STRAY	1525	10 S	1	4034	1		1953	80,714	40	
VERNON	ISABELLA	1939	MICHIGAN STRAY	1300	2 S	25	3907	25		1956	1,464,249	920	
WOLF LAKE	MUSKOGON	1949	"BEREA"	1050	7 D	2	2250	2		1956	99,756	320	

TABLE I2. LOCATION OF ABANDONED GAS FIELDS

FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME AND RANGE	PRODUCING SECTIONS	YEAR OF DISCOVERY AND ABANDONMENT	FIELD NAME OR POOL	COUNTY	TOWNSHIP NAME AND RANGE	PRODUCING SECTIONS	YEAR OF DISCOVERY AND ABANDONMENT
MANISTEE	MANISTEE	FILER	21N - 17W	24	1959	1961			
MECOSTA LAKE	MECOSTA	MORTON	14N - 8W	17, 20	1953	1956			
MINERAL SPRINGS	OSCEOLA	SHERMAN	20N - 9W	20, 21	1952	1960			
NORTHVILLE (DUNDÉE)	HASHIEMAW	SALEM	18 - 7E	1, 2	1947	1961			
PARIS (DUNDÉE)	OAKLAND	LYON	1N - 7E	36	1947	1961			
REIDER	MECOSTA	GREEN	16N - 10W	21, 22, 27, 28	1949	1959			
RICHARD, SEC. 27	MISSAURKE	REIDER	28N - 7W	32	1964	1966			
SALEM	MONTCALM	RICHARD	12N - 5W	27	1963	1964			
SEARS	ALLEGAN	SALEM	4N - 13W	16, 21	1958	1966			
ST. CLAIR, SEC. 18	OSCEOLA	SYLVAN	18N - 7N	32	1964	1965			
SYLVAN	OSCEOLA	ST. CLAIR	5N - 17E	18	1953	1961			
VERNON	ISABELLA	VERNON	18N - 7W	7	1941	1953			
WOLF LAKE	MUSKOGON	EGLISTON	10N - 15W	7, 8	1949	1956			

In the column titled PRODUCING SECTIONS, listing of a section or part of a section does not necessarily mean the entire section to be productive of oil or gas in any or all potentially productive formations. Only those sections, or parts of sections, which have had at least one well completed as an oil or gas well are listed. These tables also include miscellaneous, single wells which reported small amounts of oil production. Production from these wells is accounted for in the cumulative oil tables.

TABLE 13. DEVELOPED GAS STORAGE RESERVOIRS

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING OR POOL	PAY ZONE DEPTH IN FEET	THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS			GAS PRODUCTION IN MCF		REMARKS
								TO END	COMP. IN 1967	ABAND. IN 1967	PROD. AT END 1967	PRODUCED IN 1967	
AUSTIN	MICHIGAN	1933	MICHIGAN STRAY	1380	14 S	DETROIT RIVER	404.3	0	0	88	6,199,033	3970	
BELLE RIVER MILLS	ST. CLAIR	1961	SALLINA-NIAGARAN	2215	30S D	CLINTON	2694	184	0	34	22,399,941	840	
CRANBERRY LAKE	CLARE-MISSAUKEE	1943	MICHIGAN STRAY	1321	10 S	RICHFIELD	5201	0	0	171	7,537,651	7000	
CROTON	NEWAYGO	1951	MARSHALL	917	4 S	SALINA	3993	0	0	7	1,320,835	860	
FREEMAN-LINCOLN	CLARE	1938	MICHIGAN STRAY	1500	10 S	DETROIT RIVER	3957	0	0	81	18,099,490	6600	
GOODWELL	NEWAYGO	1943	MICHIGAN STRAY	1142	20 S	DETROIT RIVER	3562	0	0	63	5,875,670	3020	
HAMILTON, NORTH	CLARE	1952	MICHIGAN STRAY-MARSHALL	1487	8 S	RICHFIELD	5395	0	1	48	5,430,065	3040	
HOWELL	LIVINGSTON	1935	SALINA	3920	9 D	ST. PETER S4.	5958	20	0	69	23,678,120	2400	
IBA	ST. CLAIR	1953	SALLINA-NIAGARAN	2274	33 D	CLINTON	2632	0	0	14	3,498,666	680	
LENOX	MACOMB	1960	SALLINA-NIAGARAN	2734	46 D	CLINTON	3018	0	0	11	2,132,679	300	
MARION (WINTERFIELD)	CLARE-OSCEOLA	1940	MICHIGAN STRAY	1344	15 S	SYLVANIA	5100	0	0	282	20,084,934	10,720	
ORIENT	OSCEOLA	1945	MICHIGAN STRAY	1508	11 S	SYLVANIA	5307	3	0	51	5,350,856	2600	
OVERISEL	ALLEGAN	1956	SALINA	2650	12 D	TRENTON	4060	0	0	186	14,645,048	6660	
RAY	MACOMB	1961	SALLINA-NIAGARAN	2945	101 D	NIAGARAN	3733	0	0	30	2,032,258	660	
*REED CITY	OSCEOLA-LAKE	1940	MICHIGAN STRAY	1217	12 S	ST. PETER S4.	8960	0	0	78	7,642,246	4880	
RIVERSIDE	OSCEOLA-LAKE	1941	REED CITY	3585	7 D	ST. PETER S4.	8960	1 + 1R	0	156	COMBINATION GAS STORAGE AND SECONDARY OIL RECOVERY PROJECT - REFER TO TABLE 5 FOR DETAILS		
SALEX	ALLEGAN	1937	SALINA	1435	5 S	DUNDEE	3953	0	0	97	5,188,481	3680	
SHAWER (SHAWER-NEW HAVEN)	GRATIOT-MONTCALM	1935	MICHIGAN STRAY	2725	2 D	TRENTON	3792	0	0	88	11,310,698	4960	
SIX LAKES	MICHIGAN-MONTCALM	1934	MICHIGAN STRAY	1020	11 S	DUNDEE	3536	0	0	49	11,114,906	3920	
WINFIELD	MONTCALM	1935	MICHIGAN STRAY	1270	25 S	DETROIT RIVER	3790	0	0	269	51,604,719	11,480	
WOODVILLE (NORWICH)	NEWAYGO	1943	MICHIGAN STRAY	1185	13 S	DETROIT RIVER	3405	0	0	8	4,836,132	3240	
							3405	0	0	41	2,683,259	2240	
								24	1	1921	2,157,560		

NOT INCLUDED WITH ABOVE FIELDS IS ONE SMALL STORAGE RESERVOIR LOCATED NEAR HARVEYVILLE, ST. CLAIR COUNTY, MICHIGAN. GAS IS STORED IN A SALT CAVERN AT A DEPTH OF ABOUT 2500 FEET. GAS CAPACITY REPORTED TO BE ABOUT 341 MILLION CUBIC FEET AT A WELLHEAD PRESSURE OF 1100 psia.

*REED CITY - REED CITY ZONE REFERRED TO AS "LOREED UNIT"

INCLUDES OBSERVATION WELLS

TABLE 14. UNDEVELOPED GAS STORAGE RESERVOIRS

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING OR POOL	PAY ZONE DEPTH IN FEET	THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS			GAS PRODUCTION IN MCF		REMARKS	
								TO END	COMP. IN 1967	ABAND. IN 1967	PROD. AT END 1967	PRODUCED IN 1967		CUMULATIVE THROUGH 1967
BRONKFIELD-DEERFIELD	ISABELLA	1930	MICHIGAN STRAY	1355	5 S	SYLVANIA	4994	0	1	20	0	13,069,069	8080	
COLWATER	ISABELLA	1945	MICHIGAN STRAY	1390	10 S	SYLVANIA	5090	0	0	12	0	7,352,605	2400	
EMORE-RICHLAND	MONTCALM	1936	MICHIGAN STRAY	1300	8 S	DUNDEE	3700	0	0	11	5,243	8,941,893	6800	
EWART	OSCEOLA	1941	MICHIGAN STRAY	1410	7 S	DETROIT RIVER	4457	0	0	7	4,895,722	5120	REFER TO ACTIVE GAS FIELDS PREPARING FOR GAS STORAGE IN 1968	
NORTHVILLE	HAYNE-WASHINGTON	1954	TRENTON-SLACK RIVER	4395	70 D	CANBRO-OROVICIAN	5850	0	1	50	0	34,259,289	2825+	

INCLUDES OBSERVATION WELLS

34,259,289 MCF CUMULATIVE PRODUCTION FROM UNDEVELOPED GAS STORAGE RESERVOIRS

TABLE 15. LOCATION OF GAS STORAGE RESERVOIRS

FIELD NAME OR POOL	COUNTY	TOWNSHIP AND RANGE	PRODUCING SECTIONS	FIELD NAME OR POOL	COUNTY	TOWNSHIP AND RANGE	PRODUCING SECTIONS
BELE RIVER MILLS	ST. CLAIR	6N 16E	11, 14, 15	OVERISEL	ALLEGAN	4N - 14W	4, 5, 8, 9, 10, 34, 15, 16, 21, 22, 23, 27, 28
CRANBERRY LAKE	CLARE	20N 5W	4, 5, 6, 7, 8, 9, 15, 16, 17, 18, 22, 23	RAY	MACOMB	4N - 13E	1, 2, 11
CROTON	MISSAUKEE	21N 6W	25, 34, 35	REED CITY	OSCEOLA	18N - 10W	8, 9, 16, 17, 18, 19, 20, 21, 29, 30, 31, 32
FREEMAN - LINCOLN	NEWAYGO	12N 11W	29, 32	RIVERSIDE	LAKE	18N - 11W	24, 25
GOODWELL	NEWAYGO	14N 11W	7, 16, 17, 18, 19, 20, 21, 27, 28, 29	SALEX	ALLEGAN	21N - 7W	15, 16, 17, 19, 20, 21, 22, 23
HAMILTON, NORTH	CLARE	19N 3W	5, 6, 7, 8	SHAWER (SHAWER-NEW HAVEN)	OSCEOLA	4N - 13W	2, 3, 9, 10, 11, 12, 14, 15, 16, 17, 21, 22, 23
HOWELL	LIVINGSTON	20N 4W	35, 36	SIX LAKES	MONTCALM	5N - 13W	34, 35
IBA	ST. CLAIR	3N 15E	1, 2, 11	WINFIELD	MONTCALM	10N - 4W	2, 3, 4, 5, 8, 9, 10, 11
LENOX	MACOMB	4N 14E	32	WOODVILLE (NORWICH)	NEWAYGO	11N - 6W	31, 32, 33, 34
MARION (WINTERFIELD)	CLARE	3N 14E	5			10N - 5W	1, 2, 3, 5, 6
EMORE-RICHLAND	MONTCALM	12N 6W	11, 12, 13, 14, 15, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35			11N - 5W	22, 36
EWART	OSCEOLA	18N 8W	SEE PRODUCING GAS FIELDS			13N - 6W	29, 30
NORTHVILLE	OSCEOLA	18N 8W	SEE PRODUCING GAS FIELDS			13W - 8E	23, 24, 25

IN THE COLUMN TITLED PRODUCING SECTIONS, LISTING OF A SECTION OR PART OF A SECTION DOES NOT NECESSARILY MEAN THE ENTIRE SECTION TO BE PRODUCTIVE OF OIL OR GAS IN ANY OR ALL POTENTIALLY PRODUCTIVE FORMATIONS. ONLY THOSE SECTIONS, OR PARTS OF SECTIONS, WHICH HAVE HAD AT LEAST ONE WELL COMPLETED AS AN OIL OR GAS WELL ARE LISTED.

The producing sections listed for developed gas storage reservoirs does not necessarily relate to current gas storage area or boundary. The sections, or parts of sections, which are listed are those which contained at least one producible gas or oil well prior to conversion of the field to gas storage.

The producing sections or parts of sections listed for undeveloped gas storage reservoirs are those which have had at least one well completed as a gas or oil well. The listed sections do not relate to potential or future gas storage area or boundary.

UNDEVELOPED GAS STORAGE RESERVOIRS

FIELD NAME OR POOL	COUNTY	TOWNSHIP AND RANGE	PRODUCING SECTIONS
BRONKFIELD-DEERFIELD	ISABELLA	16N 6W	1, 2, 3, 4, 5, 9, 10, 11, 13, 14, 15, 23, 24, 25
COLWATER	ISABELLA	16N 6W	7, 17, 18, 19, 20, 29, 30
EMORE-RICHLAND	MONTCALM	12N 6W	28, 29, 30, 31, 32, 33
EWART	OSCEOLA	18N 8W	6
NORTHVILLE	OSCEOLA	18N 8W	11, 12, 13, 14, 15, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 7, 8, 17, 18

TABLE 16. OIL WELL GAS (1-2)

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING FORMATION OR POOL	PAY ZONE DEPTH IN FEET	THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS			GAS PRODUCTION IN MCF		REMARKS
								TO END	COMP. IN	ABAND. IN	PROD. AT END	PRODUCED IN 1967	
ADAIR	ST. CLAIR	1961	SALINA-NIAGARAN								13,899	461,893	
ALBION-SCIPIO TREND	CALHOUN-JACKSON-HELLSDALE	1957	TRENTON-BLACK RIVER								10,676,002	71,169,200	
BEAVER CREEK	CAMPFORD-KALKASKA	1947	RICHFIELD								650,656	15,910,473	
BOYD	ST. CLAIR	1952	SALINA-NIAGARAN								1,216,529	10,296,452	
RUCKEYE	GLADWIN	1939	DUNDEE								-	9,834	MARKETING DISCONTINUED 1940
CHESTERFIELD	MACOMB	1959	NIAGARAN								-	124,688	MARKETING DISCONTINUED 1962
CHINA, SEC. 12		1944	DUNDEE								-	27,721	FORMERLY CONSOLIDATED WITH BELLE RIVER MILLS
COLDWATER	ISABELLA	1959	SALINA								178,792	1,514,931	MARKETING DISCONTINUED 1963
COTTRELLVILLE	ST. CLAIR												
FORK	ALLEGAN	1956	SALINA								57,520	1,050,018	
EAST NORRICH	MISSAUREE-ROSCOMMON	1942	RICHFIELD								178,652	4,643,903	
EDEEN	MASON	1948	DUNDEE								-	275,801	MARKETING DISCONTINUED 1963
ENMORE	MONTCALM	1938	TRAVERSE								0	1,094,960	
ENTERPRISE	MISSAUREE	1943	RICHFIELD								55,387	623,666	
ESSEXVILLE	BAY	1944	DUNDEE								-	3,267	MARKETING DISCONTINUED 1950
FORK, WEST	NECOSTA	1945	RICHFIELD								-	854,415	MARKETING DISCONTINUED 1965
HAMILTON, NORTH	CLARE	1952	RICHFIELD								163,106	2,989,367	
HANOVER	JACKSON	1959	TRENTON-BLACK RIVER								134,489	310,319	
HEADQUARTERS	CLARE-ROSCOMMON	1942	DETROIT RIVER								33,202	4,248,360	
ISABELLA	ISABELLA	1948	DUNDEE								-	138,359	MARKETING DISCONTINUED 1951
KARAWAIN	BAY	1938	DUNDEE								-	4,390	MARKETING DISCONTINUED 1952
KIMBALL LAKE	NEENAWO	1947	TRAVERSE								-	2,123,116	MARKETING DISCONTINUED 1952
MARINE CITY	ST. CLAIR	1955	SALINA-NIAGARAN								385,164	2,673,177	
MARINE CITY, SOUTH	ST. CLAIR	1962	SALINA								121,383	547,745	
MT. PLEASANT	MIDLAND-ISABELLA	1928	DUNDEE								0	7,809,323	

TABLE 18. OIL WELL GAS continued (2-2)

FIELD NAME	COUNTY	YEAR OF DISC.	PRODUCING FORMATION OR POOL	PAY ZONE DEPTH IN FEET	THICKNESS AND LITHOLOGY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	NUMBER OF GAS WELLS			GAS PRODUCTION IN MCF		REMARKS
								TO END	COMP. IN	ABAND. IN	PROD. AT END	PRODUCED IN 1967	
PEWATER	MASON-OSCEOLA	1948	TRAVERSE-DUNDEE								-	1,010,713	
PETERS	ST. CLAIR	1955	SALINA-NIAGARAN								1,470,824	10,802,388	
PORTER	HIGHLAND	1933	DUNDEE								-	4,992,995	MARKETING DISCONTINUED 1941
REDDING	CLARE	1938	DUNDEE								-	1,956,056	MARKETING DISCONTINUED 1942
REED CITY	OSCEOLA	1940	TRAVERSE								0	388,638	
REED CITY, EAST	OSCEOLA	1947	TRAVERSE								129,608	3,276,922	MARKETING DISCONTINUED 1960
RICH	LAPPEE	1962	DETROIT RIVER S. Z.								-	18,569	MARKETING DISCONTINUED 1956
REYNOLDS	MONTCALM	1954	DUNDEE								24,271	49,204	
ROSE CITY	OSCEOLA	1942	RICHFIELD								429,209	6,480,678	MARKETING DISCONTINUED 1962
SHERMAN	ISABELLA	1936	DUNDEE								-	641,217	MARKETING DISCONTINUED 1939
ST. HELEN	ROSCOMMON	1941	RICHFIELD								426,636	8,416,879	
UNION	ISABELLA	1950	TRAVERSE								-	55,354	MARKETING DISCONTINUED 1957
WALKER	KENT-OTTAWA	1938	TRAVERSE								-	3,476,731	MARKETING DISCONTINUED 1943
WEST BRANCH	OSCEOLA	1933	DUNDEE-DETROIT RIVER								0	61,430	
											16,145,520	193,715,500	

18 Fields producing oil well gas.

Cumulative oil well gas production through 1967
..... 193,715,500 MCF

Oil well gas (casinghead gas) accounted for about 48 percent of Michigan's annual gas production. The gathering and processing of gas produced incidental to oil production is good conservation practice. LPG production from casinghead gas is shown on Tables 17 and 18.

Oil well gas production in 1967 16,145,520 MCF
Active gas field production 14,931,317 MCF
Developed gas storage reservoirs 2,154,203 MCF
Total gas production in 1967 33,241,640 MCF

TABLE 17. GAS PLANT OPERATIONS BY PLANT OR FIELD, 1967 (All figures in MCF)

Plant or Field	Input Totals	Plant Fuel	Lease Fuel	Storage and/or Repressuring Recycling	Line Loss	Vented	Extraction Loss	To Pipe Line	L.P.G. Recovery Gallons
*Albion-Scipio	11,060,691	1,038,800	0	0	0	38,896	988,143	8,994,852	29,779,901
*Beaver Creek	565,456	26,747	117,844	0	0	12,351	5,607	402,907	169,200
Belle River Mills	13,882,840	243,313	0	7,493,238	0	0	487,757	5,658,532	15,147,367
Belle River Mills plant functions as a recycling and storage facility.									
Boyd	14,223,971	207,692	152,646	3,428,944	102,669	22,364	556,894	9,752,762	17,965,761
Boyd plant, serving 10 fields, receives both dry and oil well gas.									
(1) Enterprise	46,874	6,843	11,885	0	0	0	213	27,933	0
*Hamilton	236,040	17,002	43,760	0	0	0	12,172	163,106	305,402
*Hanover	104,144	4,650	0	0	0	14,854	0	84,640	0
(2) *Headquarters	92,272	11,100	0	0	0	37,071	10,900	33,201	0
*Norwich East	502,311	48,619	89,262	155,247 - gas lift	0	0	2,877	206,306	72,547
Reed City	17,515,293	290,920	0	0	0	0	393,011	16,831,362	12,317,073
Reed City plant serves a combination storage and repressuring operation in an oil reservoir.									
*Rose City	424,710	8,512	0	0	0	0	0	416,198	0
*St. Helen	832,938	32,621	66,072	0	0	0	4,331	729,914	108,186
Willow Run	190,306,487	565,859	0	0	0	0	938,235	188,802,393	32,226,818
Totals	249,794,027	2,502,678	481,469	11,077,429	102,669	125,536	3,400,140	232,104,106	108,092,261

*Receives oil well gas only. Column No. 9 does not necessarily reflect direct sales.

(1) Plant operations abandoned 6-5-67

(2) Plant operations abandoned 5-11-67

TABLE 18. GAS PLANT OPERATIONS BY MONTH - 1967 (All figures in MCF)

Month	Input Totals	Plant Fuel	Lease Fuel	Storage and/or Repressuring Recycling	Line Loss	Vented	Extraction Loss	To Pipe Line	L.P.G. Recovery Gallons
January	21,047,562	207,281	47,764	184,333	10,388	12,269	292,136	20,293,391	9,232,576
February	19,642,992	191,056	42,103	10,008	853	13,572	269,089	19,116,311	8,490,016
March	21,098,839	208,006	39,379	1,251,068	9,762	14,971	287,862	19,287,791	9,094,200
April	21,182,279	211,315	37,702	1,496,624	106	11,241	293,054	19,132,237	9,244,657
May	20,585,368	221,284	37,439	1,733,446	18,660	9,579	297,288	18,267,672	9,396,903
June	19,099,173	199,301	40,287	1,183,275	1,051	21,400	253,581	17,400,278	8,097,778
July	20,392,826	216,713	44,858	1,835,712	12,535	4,118	285,725	17,993,165	9,140,045
August	21,169,167	215,862	39,518	1,753,717	7,070	24,996	284,856	18,843,148	9,134,404
September	20,106,696	201,107	42,998	1,280,140	15,203	3,657	267,851	18,295,740	8,566,445
October	19,569,905	207,994	32,679	17,022	10,403	1,274	277,708	19,022,825	8,778,382
November	22,285,289	204,314	38,420	165,379	11,376	3,814	277,555	21,584,431	8,937,134
December	23,613,931	218,445	38,322	166,705	5,262	4,645	313,435	22,867,117	9,979,721
Totals	249,794,027	2,502,678	481,469	11,077,429	102,669	125,536	3,400,140	232,104,106	108,092,261

NOTE: This and the page above are records of only those plants which are serving oil field operations, or which are extracting natural gas liquids (Willow Run, Belle River). Plants which are serving only dry gas storage and transmission are not included.

PRIMARY SUPPLY LOCATIONS AND STORAGE FACILITIES FOR LIQUIFIED PETROLEUM GAS

Company	Plant Location		Type of Facility	Facility Capacity Gallons of LPG
	County	Locality		
Bay Refining Company	Bay	Bay City	Refinery Storage	95,200
Dow Chemical Company	Midland	Midland	Chemical Plant (Underground)	4,410,000
Leonard Refineries, Inc.	Gratiot	Alma	Refinery Storage	120,000
Marathon Oil Company	Hillsdale	Mosherville	Natural Gas Processing Plant	300,000
Cities Service Oil Company	Kent	Lowell	Underground Storage	24,816,000
Skelly Oil Company	Kent	Alto	Underground Storage	10,957,000
Consumers Power Company	Macomb	New Baltimore	Natural Gas Processing Plant	150,000
Marathon Oil Company	Muskegon	Muskegon	Refinery Storage	90,000
Michigan Consolidated Gas Co.	St. Clair	St. Clair	Natural Gas Processing Plant	450,000
Michigan Consolidated Gas Co.	Washtenaw	Ypsilanti	Natural Gas Processing Plant	450,000
Mobil Oil Company	Wayne	Trenton	Underground Storage	15,201,000
Sun Oil Company	Wayne	Wayne	Underground Storage	24,000,000
Marathon Oil Company	Wayne	Wayne	Underground Storage	16,000,000
Phillips Petroleum Company	Wayne	Wyandotte	Underground Storage	7,000,000

TOTAL PRIMARY STORAGE BY COUNTY, GALLONS LPG	
Bay	95,200
Gratiot	120,000
Hillsdale	300,000
Kent	35,773,000
Macomb	150,000
Midland	4,410,000
Muskegon	90,000
St. Clair	450,000
Washtenaw	450,000
Wayne	62,201,000
Combined Primary Storage	104,039,200

TOTAL PRIMARY STORAGE, GALLONS LPG	
Refinery Storage	305,200
Gas Plant Storage	1,350,000
Underground Storage	102,384,000
Combined Primary Storage	104,039,200

LPG underground storage reservoirs are in man-made caverns dissolved from Salina Group (Silurian) salt beds. The depth to storage reservoir salt beds varies with locality within the state.

** Facility capacities have not been revised from those noted in 1967.

PART 3, CUMULATIVE RECORDS
EXPLANATION

Part 3 contains cumulative statistics principally of oil and gas production, well completions, and oil field brine production and disposal from 1925 through the most recent year-end compilations.

OIL AND GAS PRODUCTION TABLES. Oil and gas production figures for individual years prior to 1960 can be found in issues of the "Summary of Operations", Oil and Gas Fields for 1962 and prior years, and in "Michigan's Oil and Gas Fields" 1963 to present. The tables show the year of the first recorded production from a particular formation, and the yearly and cumulative production totals from 1925 through the most recent year-end compilations.

WELL COMPLETIONS, PRODUCTION BY COUNTY. These tables show the classifications of completed wells on a county basis, and the cumulative amount of oil and gas produced in individual counties. Tables also indicate the number of dry holes, oil wells, gas wells, etc., that have been drilled under oil and gas drilling permits in an individual county.

DRILLING PERMITS, WELL COMPLETIONS, FIELDS DISCOVERED. These tables show the number of drilling permits issued by year from 1927 through the most recent year-end compilations. Classification of well completions by year, the number of new fields or pools discovered, and the number of producible oil or gas wells on a yearly basis are all shown on the same table.

BRINE PRODUCTION AND DISPOSAL. Oil field brine production records prior to 1937 are incomplete. This table shows the reported amount of produced brine and the method of disposal from 1937 to present. Most oil field brine is now returned to subsurface formations. Small quantities are used for dust control or ice and snow removal on county roads in local areas. A small amount of brine is also disposed in burning pits. Brine production and disposal figures should not be considered entirely accurate.

SERVICE WELLS. Service wells as listed in this publication are those wells which were drilled to serve some purpose other than the initial production of oil or gas. Oil or gas wells are sometimes converted to salt water disposal, observation, or facility wells in gas storage or pressure maintenance projects. There are several types of service wells:

LPG Wells. These are wells drilled for underground storage of liquified petroleum gas. In Michigan, these storage reservoirs are in man-made cavities in salt beds. The cavities have been made by dissolving the salt with water and then pumping out the brine.

Gas Storage Wells. These are wells drilled in gas storage reservoirs. They are frequently referred to as facility wells, and are generally used to inject gas into or extract gas from the reservoir. Certain facility wells may sometime in the history of the field be used as salt water disposal wells or observation wells.

Observation Wells. Most observation wells are related to gas storage projects. They are used to observe underground movement of gas, brines, and other fluids, or to observe pressures.

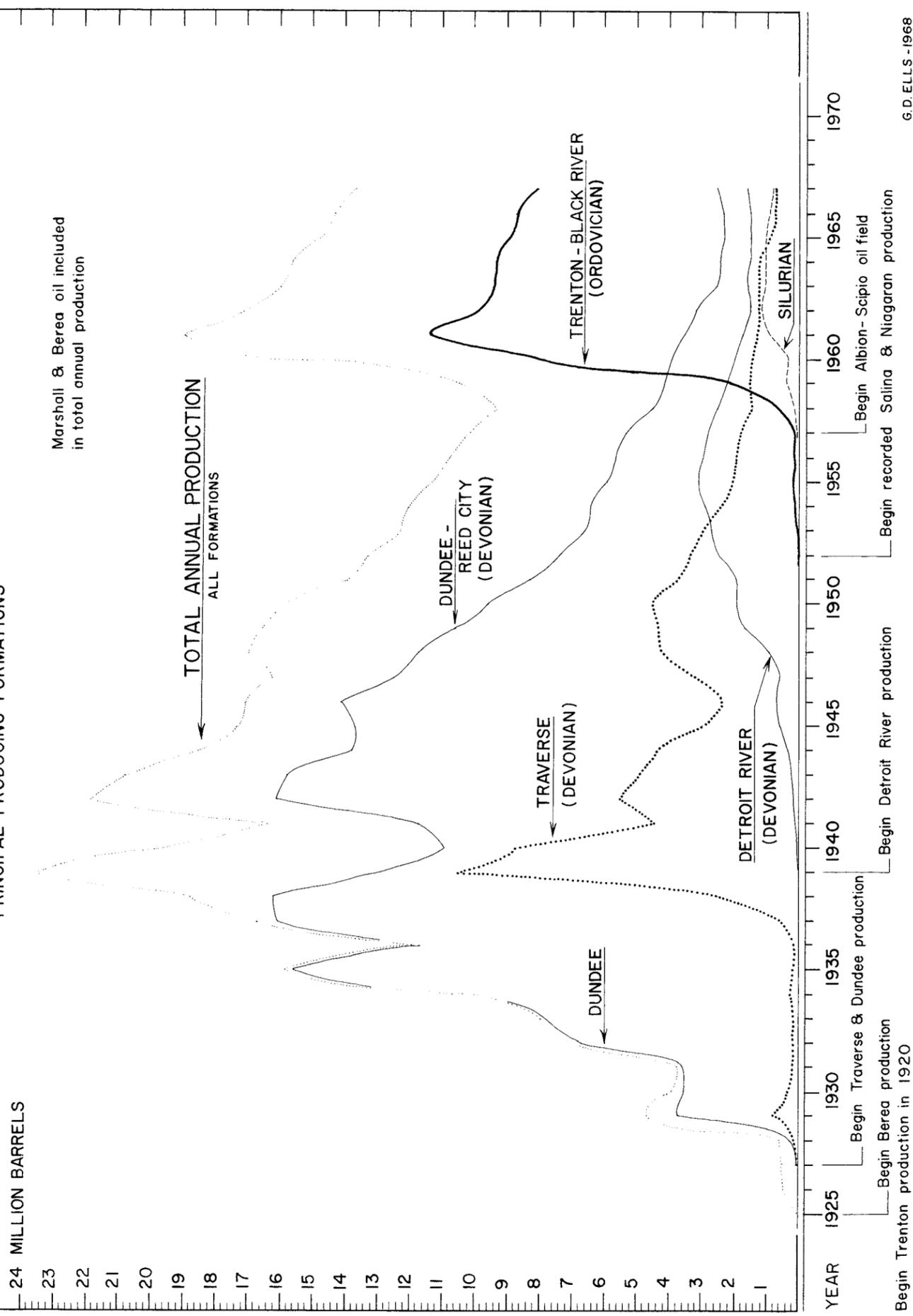
Brine Disposal Wells. These wells are used in the disposal of oil and gas field brines back into some suitable subsurface formation. Brine disposal well permits are issued for these wells.

Injection and Pressure Maintenance Wells. These are wells used in secondary recovery, or pressure maintenance projects. They may be new wells drilled specifically for injection or pressure maintenance, or they may be converted oil or gas wells; their status can change from time to time.

Oil or gas wells are sometimes converted to salt water disposal, observation, facility wells in gas storage reservoirs, or water injection wells used in secondary recovery or pressure maintenance projects. The types of service wells listed under "Classification of Well Completions" does not include oil or gas wells converted to service wells.

TRENDS IN MICHIGAN OIL PRODUCTION

PRINCIPAL PRODUCING FORMATIONS



G.D. ELLS - 1968

TABLE 19. OIL PRODUCTION BY FORMATIONS - 1967 AND PRIOR YEARS

These data include estimates for multiple pay wells and leases when an accurate breakdown was not available

Year	Marshall	Berea	Traverse	Dundee-Reed City		Detroit River	Salina-Niagara	Trenton-Black River	Total Barrels Oil All Formations
				Reed City	River				
1925									
Through 1929		876,559	873,777	4,017,451					5,767,787
1930									
Through 1934		318,171	995,439	31,870,671					33,184,281
1935									
Through 1939	7,411	310,313	13,814,816	72,339,293	14,000			43,565	86,529,398*
1940									
Through 1944	22,040	229,262	27,856,377	67,939,211	727,418			348,477	97,122,785
1945									
Through 1949	17,283	166,687	16,914,771	62,438,443	4,302,309			106,510	83,946,003
1950									
Through 1954	9,068	125,089	16,974,863	38,058,703	11,878,669	43,091		225,180	67,314,663
1955									
Through 1959	8,183	110,639	8,788,785	25,618,934	13,716,790	568,085		3,108,341	51,920,757
1960									
1961	1,270	19,149	1,501,307	3,987,425	1,907,103*	478,574*		8,004,378	15,899,206
1962	1,268	16,945	1,380,081	3,539,682	1,748,644	916,157		11,298,171	18,900,948
1963	1,215	16,186	1,335,105	3,200,061	1,456,054	1,110,937		9,994,934	17,114,492
1964	1,223	15,899	1,329,268	2,583,882	1,580,589	1,067,729		9,393,157	15,971,747
1965	1,114	16,043	1,232,092	2,414,907	1,568,246	1,037,726		9,331,576	15,601,704
1966	1,290	17,046	923,300	2,343,628	1,538,696	976,836		8,927,427	14,728,223
1967	1,007	15,741	779,745	2,372,040	1,513,847	900,480		8,690,239	14,273,099
1967	1,051	18,821	707,385	2,527,607	1,602,212	797,594		8,009,515	13,664,185

*Adjusted figures

TABLE 20. CUMULATIVE OIL PRODUCTION BY FORMATIONS - 1967 AND PRIOR YEARS

Year	First Year of Recorded Oil Production by Formation						Total Barrels Oil All Formations
	Marshall	Berea	Traverse	Dundee-Reed City	Detroit River	Salina-Niagaran	
	1938	1925	1927	1927	1939	1952	
1925							
Through 1929		876,559	873,777	4,017,451			5,767,787
1930							
Through 1934		1,194,730	1,869,216	35,888,122			38,952,068
1935							
Through 1939	7,411	1,505,043	15,684,032	108,227,415	14,000	43,565	125,481,466
1940							
Through 1944	29,451	1,734,305	43,540,409	176,166,626	741,418	392,042	222,604,251
1945							
Through 1949	46,734	1,900,992	60,455,180	238,605,069	5,043,727	498,552	306,550,254
1950							
Through 1954	55,802	2,026,081	77,430,043	276,663,772	16,922,396	723,732	373,864,917
1955							
Through 1959	63,985	2,136,720	86,218,828	302,282,706	30,640,186	3,832,073	425,785,674
1960							
1961	65,255	2,155,869	87,720,135	306,270,131	32,547,289	1,089,750	441,684,880
1962	66,523	2,172,814	89,100,216	309,809,813	34,295,933	2,005,907	460,585,828
1963	67,738	2,189,000	90,435,321	313,009,874	35,751,987	3,116,844	477,700,320
1964	68,961	2,204,899	91,764,589	315,593,756	37,332,576	4,184,573	493,672,067
1965	70,075	2,220,942	92,996,681	318,008,663	38,900,822	5,222,299	509,273,771
1966	71,365	2,237,988	93,919,981	320,352,291	40,439,518	6,199,135	524,001,994
1967	72,372	2,253,729	94,699,726	322,724,331	41,953,365	7,099,615	538,275,093
	73,423	2,272,550	95,407,111	325,251,938	43,555,577	7,897,209	551,939,278

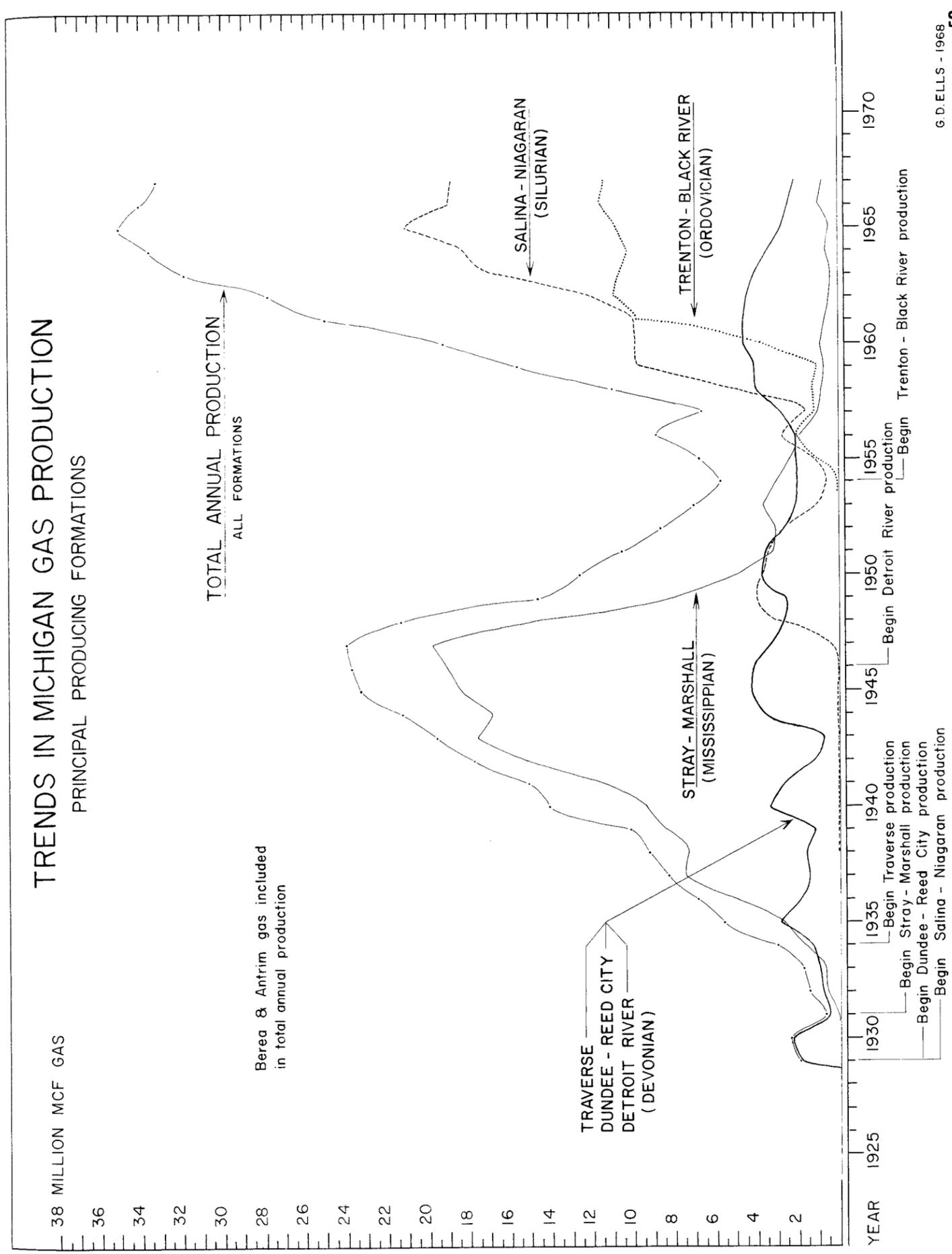


TABLE 21. GAS PRODUCTION BY FORMATIONS - 1967 AND PRIOR YEARS

Year	Glacial Drift	Stray-Marshall	Berea	Antrim Shale	Traverse	Dundee-Reed City	Detroit River	Salina-Niagara	Trenton-Black River	Total MCF Gas All Formations
	1949	1931	1936	1947	1934	1929	1946	1929	1954	
1925										
Through 1929	(Cumulative)					1,887,732			74,867	1,962,599
1930										
Through 1934		3,001,963			3,744	6,034,206			61,578	9,101,491
1935										
Through 1939		30,769,471	1,391,076		69,894	8,862,165			6,331	41,098,937
1940										
Through 1944		70,498,989	5,860,831		3,716,132	7,647,510			79,983	87,803,445
1945										
Through 1949	8,020	80,217,680	1,467,460	52,495	1,414,004	15,710,636	793,763	7,393,744		107,057,802
1950										
Through 1954		18,033,449	916,202	55,626	1,913,497	5,361,578	6,997,257	11,316,082	10,725	44,604,416
1955										
Through 1959		6,834,419	148,085	56,686	266,623	2,287,066	12,539,252	20,117,524	6,609,393	48,859,048
1960		855,169	8,800	37,258	164,509	504,474	3,979,849	9,877,820	3,812,289	19,240,168
1961		616,710	7,357	25,573	208,967	348,084	4,054,480	9,955,240	9,828,375	25,044,786
1962		451,113	6,620	23,768	206,613	117,606	4,148,707	11,926,493	10,885,208	27,766,128
1963		356,283	10,626	43,213	161,041	85,347	3,849,049	16,808,200	10,581,942	31,895,701
1964		595,549	8,617	26,673	135,226	61,553	3,220,249	18,231,639	10,336,180	32,615,686
1965		404,485	114,926	15,889	105,848	27,135	2,626,290	21,027,896	10,797,899	35,120,368
1966		963,211	192,529	985	84,458	31,054	2,299,643	18,992,758	11,555,377	34,120,015
1967		736,901	184,751	6,950	148,281	47,516	1,908,777	18,844,819	11,363,645	33,241,640

TABLE 22. CUMULATIVE GAS PRODUCTION BY FORMATIONS - 1967 AND PRIOR YEARS

Year	Glacial Drift	Stray-Marshall	Berea	Antrim Shale	Traverse	Dundee-Reed City	Detroit River	Salina-Niagara	Trenton-Black River	Cumulative MCF All Formations
	1949	1931	1936	1947	1934	1929	1946	1929	1954	
1925										
Through 1929						1,887,732			74,867	1,962,599
1930										
Through 1934		3,001,963			3,744	7,921,938			136,445	11,064,090
1935										
Through 1939		33,771,434	1,391,076		73,638	16,784,103			142,776	52,163,027
1940										
Through 1944		104,270,423	7,251,907		3,789,770	24,431,613			222,759	139,966,472
1945										
Through 1949		184,488,103	8,719,367	52,495	5,203,774	40,142,249	793,763	7,616,503		247,024,274
1950										
Through 1954	8,020	202,521,522	9,635,569	108,121	7,117,271	45,503,827	7,791,020	18,932,585	10,725	291,628,690
1955										
Through 1959	8,020	209,355,971	9,783,654	164,807	7,383,894	47,790,893	20,330,272	39,050,109	6,620,118	340,487,738
1960		210,211,140	9,792,454	202,065	7,548,403	48,295,367	24,310,121	48,927,929	10,432,407	359,727,906
1961		210,827,850	9,799,811	227,638	7,757,370	48,643,451	28,364,601	58,883,169	20,260,782	384,772,692
1962		211,278,963	9,806,431	251,406	7,963,983	48,761,057	32,513,308	70,809,662	31,145,662	412,538,820
1963		211,635,246	9,817,057	294,619	8,125,024	48,846,404	36,362,357	87,617,862	41,727,932	444,434,521
1964		212,230,795	9,825,674	321,292	8,260,250	48,907,957	39,582,606	105,849,501	52,064,112	477,050,207
1965		212,635,280	9,940,600	337,181	8,366,098	48,935,092	42,208,896	126,877,397	62,862,011	512,170,575
1966		213,598,491	10,133,129	338,166	8,450,556	48,966,146	44,508,539	145,870,155	74,417,388	546,290,590
1967		214,335,392	10,317,880	345,116	8,598,837	49,013,662	46,417,316	164,714,974	85,781,033	579,532,230

TABLE 23. CUMULATIVE OIL AND GAS PRODUCTION BY COUNTY THROUGH 1967

County	Number of Wells		Cumulative Production		County	Oil Wells		Gas Wells		Cumulative Production	
	Oil	Gas	Barrels Oil	MCF Gas		Wells	Wells	Barrels Oil	MCF Gas		
Allegan	1,304	89	18,943,007	29,685,537	Oscoda	2	0	31,551	0		
Arenac	411	44	45,021,372	6,722,136	Otsego	1	26	2,990	337,287		
Barry	74	0	630,233	0	Ottawa	473	19	8,508,122	2,097,452		
Bay	458	1	18,668,188	7,857	Roscommon	180	14	10,939,405	12,319,139		
Berrien	9	0	29,757	0	Saginaw	378	2	2,397,630	0		
Calhoun	211	13	22,204,010	27,757,208	Shiawassee	4	0	3,886	0		
Cass	30	0	101,003	0	St. Clair	220	170	6,553,418	78,159,653		
Clare	381	171	33,506,408	56,293,531	Tuscola	151	0	2,310,085	0		
Clinton	4	0	4,121	0	Van Buren	722	0	12,011,732	0		
Crawford	79	0	5,203,309	13,956,836	Washtenaw	10	18	744,118	7,425,332		
Genesee	12	0	98,080	0	Wayne	12	24	196,140	10,905,459		
Gladwin	736	0	32,347,345	9,834	Wexford	1	4	4,814	870,232		
Gratiot	46	74	1,088,286	12,928,708	51 Counties			551,939,278	579,532,230*		
Hillsdale	239	1	36,854,296	28,334,281							
Huron	5	0	55,140	0							
Ionia	9	0	381,269	0							
Isabella	650	161	52,190,630	32,986,428							
Jackson	133	3	16,777,087	15,934,614							
Kalamazoo	18	0	28,868	0							
Kalkaska	22	7	1,191,385	2,133,910							
Kent	461	6	9,477,863	3,711,021							
Lake	22	1	2,190,256	182,438							
Lapeer	16	0	184,170	49,206							
Lenawee	3	69	11,898	63,026							
Livingston	1	19	808	23,733,031							
Macomb	4	40	24,111	27,774,868							
Mason	123	7	4,521,968	297,116							
Mecosta	124	196	9,584,361	30,776,594							
Midland	898	2	65,976,450	12,444,916							
Missaukee	174	63	13,250,426	13,144,658							
Monroe	45	0	704,420	0							
Montcalm	378	221	17,564,114	52,561,377							
Montmorency	3	1	7,688	0							
Muskegon	439	119	7,788,259	9,759,149							
Newaygo	197	46	8,668,471	13,132,193							
Oakland	6	3	30,211	13,737							
Oceana	327	7	14,867,457	1,172,788							
Ogemaw	502	21	16,206,157	7,038,485							
Osceola	337	113	51,852,505	44,812,198							

*Does not include
3,050,143 MCF of
unassigned gas
from early records.

TABLE 24. OIL AND GAS FIELD BRINE PRODUCTION AND DISPOSAL - 1967 AND PRIOR YEARS

Year	Pits		Roads		Chemical Co.		Total				
	Year	Pits	Roads	Chemical Co.	Subsurface	Total					
1937	8,342	-	10,375	21,849	40,206	1957	1,245	1,162	0	193,223	195,630
1938	6,748	-	8,920	31,211	46,879	1958	1,368	1,089	0	176,774	179,231
1939	4,901	-	7,466	48,579	60,946	1959	1,038	944	0	170,623	172,605
1940	5,206	-	6,726	68,822	74,754	1960	1,019	1,512	0	168,466	170,997
1941	3,540	-	8,452	78,484	90,476	1961	910	1,060	0	155,855	157,855
1942	4,725	-	8,082	83,722	96,529	1962	982	657	0	147,789	149,428
1943	4,963	-	8,170	89,207	102,340	1963	866	3,130	0	145,700	149,696
1944	3,964	-	8,778	102,090	114,832	1964	896	4,245	0	143,831	148,972
1945	2,352	-	8,992	107,973	119,317	1965	775	3,299	0	141,028	145,102
1946	2,307	-	9,151	121,385	132,843	1966	704	2,998	0	140,680	144,382
1947	1,883	-	8,579	132,844	143,346	1967	-	3,988	0	140,985	144,973
1948	1,495	-	8,430	148,497	158,422						
1949	1,541	-	8,568	162,172	172,781						
1950	1,212	-	6,949	180,018	188,179						
1951	1,623	-	7,630	190,074	199,327						
1952	1,425	147	1,500	204,216	207,288						
1953	1,233	175	460	188,949	190,817						
1954	1,374	120	614	191,970	194,078						
1955	1,560	161	609	200,031	202,361						
1956	1,389	697	2	194,475	196,563						

Method of Disposal or Use (Barrels per day) Records Prior to 1937 are Incomplete

TABLE 25. CUMULATIVE WELL COMPLETIONS BY COUNTY THROUGH 1967 (Sheet 1 of 2)

County	Area of County (including inland water) Square Miles	Acres	Classification of Completed Wells (New Hole)					Total Completions	Approximate Well Density (All Classes) Wells: Sq. Miles
			Oil Wells		Service Wells (does not include reworked wells)		Dry Holes		
			Wells	Gas Wells	GS - OBS - SWD	LPG			
Alcona	694	444,160				20	20	1:35	
Allegan	837	535,680	1,304	89	174	1,681	3,248	5:1	
Alpena	590	377,600				10	10	1:59	
Antrim	520	332,800	1			28	29	1:18	
Arenac	369	236,160	406	44		397	847	2:1	
Barry	571	365,440	74			127	201	1:3	
Bay	451	288,640	458	1		213	672	1:1	
Benzie	342	218,880				2	2	1:171	
Berrien	584	373,760	9			70	79	1:7	
Branch	517	330,880				45	45	1:11	
Calhoun	716	458,240	212	12		243	467	1:2	
Cass	505	323,200	30			123	153	1:3	
Charlevoix	451	288,640				11	11	1:41	
Cheboygan	798	510,720				15	15	1:53	
Chippewa	1,651	1,056,640	Northern Peninsula County			4	4	1:413	
Clare	577	369,280	381	171	393	358	1,303	2:1	
Clinton	573	366,720	4			78	82	1:7	
Crawford	566	362,240	79		1	22	102	1:6	
Delta	1,202	769,280	Northern Peninsula County			1	1	1:1200	
Eaton	572	366,080				21	21	1:27	
Emmet	477	305,280				3	3	1:159	
Genesee	649	415,360	12			40	52	1:12	
Gladwin	512	327,680	736			261	997	2:1	
Grand Traverse	490	313,600		3		8	11	1:45	
Gratiot	566	362,240	46	74	19	256	395	1:1	
Hillsdale	604	386,560	240	1		420	661	1:1	
Huron	824	527,360	5			75	80	1:10	
Ingham	560	358,400				17	17	1:33	
Ionia	578	369,920	9			77	86	1:7	
Iosco	563	360,320				25	25	1:25	
Isabella	573	366,720	650	161		462	1,273	2:1	
Jackson	717	458,880	134	3		232	368	1:2	
Kalamazoo	580	371,200	18			106	124	1:5	
Kalkaska	573	366,720	22	7		43	72	1:8	
Kent	868	555,520	461	6	1	343	819	1:1	
Lake	577	369,280	22	1		136	159	1:4	
Lapeer	662	423,680	16			59	75	1:9	

TABLE 25. CUMULATIVE WELL COMPLETIONS BY COUNTY THROUGH 1967 (Sheet 2 of 2)

Leeelanau	374	239,360				9	9	1:42
Lenawee	760	486,400	3	69		102	174	1:4
Livingston	583	373,120	1	19	55	76	149	1:4
Luce	929	594,560	Northern Peninsula County			2	2	1:465
Mackinac	1,081	691,840	Northern Peninsula County			2	2	1:541
Macomb	481	307,840	4	40	11	233	288	1:2
Manistee	568	363,520		1		27	28	1:20
Mason	505	323,200	123	7		265	395	1:1
Mecosta	570	364,800	124	196	178	388	886	1:2
Midland	523	334,720	899	2		272	1,174	2:1
Missaukee	572	366,080	174	63	102	196	535	1:1
Monroe	564	360,960	45			112	157	1:4
Montcalm	720	460,800	378	221	181	567	1,347	2:1
Montmorency	567	362,880	3	1		17	21	1:27
Muskegon	519	332,160	439	119		374	932	2:1
Newaygo	867	554,880	197	46	70	363	676	1:1
Oakland	899	575,360	6	3		62	71	1:13
Oceana	541	346,240	327	7		484	818	2:1
Ogemaw	580	371,200	502	21	1	166	690	1:1
Osceola	585	374,400	337	113	122	340	909	2:1
Oscoda	568	363,520	2			10	12	1:47
Otsego	538	344,320	1	26		31	58	1:13
Ottawa	572	366,080	473	19	2	486	980	2:1
Presque Isle	678	433,920				7	7	1:97
Roscommon	573	366,720	180	14		102	296	1:2
Saginaw	814	520,960	378	2		173	553	1:1
Sanilac	961	615,040	Northern Peninsula County			50	50	1:20
Schoolcraft	1,229	786,560				2	2	1:615
Shiawassee	540	345,600	4			53	57	1:9
St. Clair	751	480,640	220	170	18	696	1,104	1:1
St. Joseph	518	331,520	151	1		15	15	1:35
Tuscola	820	524,800	722			102	254	1:3
Van Buren	615	393,600	10	18	4	991	1,713	3:1
Washtenaw	723	462,720	12	24	16	97	130	1:6
Wayne	625	400,000	1			54	123	1:5
Wexford	570	364,800	1	4		54	59	1:10
73 Counties		Totals: 11,043	1,779	30	1,348	13,021	27,221*	

*adjusted figure

TABLE 26. PERMITS, DISCOVERIES, WELL COMPLETIONS, WELLS AT END OF YEAR, 1967 AND PRIOR YEARS (Sheet 1 of 2)

Year	Permits Issued	Classification of Well Completions					Fields or Pools Discovered		Wells at End of Year			
		Oil Wells		Service Wells		Dry Holes	Total Completions	Oil	Gas	Oil Wells	Gas Wells	GS Inj. - *LPG*
		OGS-GS	LPG	OGS-GS	LPG							
1925	0	3				3	1					
1926	0	89			16	105	1					Incomplete records from 1925 through 1930
1927	16	218	3		46	267	1					
1928	283	79	30		49	158	1					
1929	576	324	22		137	483						
1930	257	154	19		158	331	2					
1931	111	59	17		52	128					634	64
1932	184	109	10		64	183	1				645	72
1933	429	223	10		85	318	3				831	70
1934	444	272	47		150	469	3				977	117
1935	700	319	101		221	641	1				1,167	212
1936	777	333	206		268	807	6				1,360	402
1937	973	622	66		267	985	6				1,778	442
1938	996	580	27		411	1,018	17				2,141	448
1939	1,465	845	56		578	1,479	8				2,684	485
1940	1,121	557	59		565	1,181	8				2,928	510
1941	1,044	441	97		413	951	7				3,158	577
1942	570	297	74		331	682	14				3,324	631
1943	627	233	47		355	635	12				3,386	639
1944	741	246	64		400	710	10				3,433	651

*LPG injection and extraction wells in LPG storage facilities.

TABLE 26. PERMITS, DISCOVERIES, WELL COMPLETIONS, WELLS AT END OF YEAR, 1967 AND PRIOR YEARS Continued (Sheet 2 of 2)

1945	755	271	57	6	467	801	11	11	3,536	663	19	
1946	822	223	53	86	461	823	19	10	3,520	547	226	
1947	886	318	43	148	387	896	10	4	3,532	534	409	
1948	918	371	32	77	437	917	10	5	3,554	502	482	
1949	999	439	22	73	473	1,007	21	2	3,818	471	554	
1950	901	336	28	47	473	884	18	4	3,954	471	610	
1951	744	227	20	43	466	757	16	6	3,911	417	673	
1952	694	261	30	51	370	714	14	5	3,979	388	732	
1953	824	258	18	110	360	747	11	6	4,089	313	901	
1954	573	214	15	2	338	571	18		4,167	316	903	
1955	484	204	13	1	291	510	12	2	4,223	321	904	
1956	476	196	12	28	227	463	12	2	4,191	310	932	
1957	461	176	40	35	207	461	12	5	4,233	335	977	
1958	481	166	20	36	227	453	10	7	4,201	345	1,025	
1959	727	257	47	72	272	652	8	7	4,327	323	1,094	
1960	904	372	19	79	441	912	7	4	4,555	249	1,337	
1961	849	207	57	74	476	817	13	10	4,619	292	1,420	
1962	711	148	62	53	474	741	5	7	4,603	300	1,531	
1963	704	135	72	56	384	650	7	4	4,598	367	1,601	
1964	583	82	48	126	376	632	6	4	4,588	404	1,632	
1965	494	53	34	107	291	485	6	7	4,368	424	1,859	
1966	430	56	45	11	290	404	8	3	4,315	429	1,896	
1967	405	69	38	26	287	420	8	2	4,273	481	1,921	
											333	30
											333	30

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ABBREVIATIONS

A.A.P.G.	American Assoc. Petrol. Geol.	Marsh.	Marshall formation
A.P.I.	American Petroleum Institute	MCF	Thousand Cubic Feet
(A) I.P.	(Acid) Initial Production or Potential	MCFGPD	Thousand Cubic Feet Gas Per Day
A-1 Carb.	A-1 Carbonate	Mich.	Michigan formation
A-2 Carb.	A-2 Carbonate	Miss.	Mississippian
BbIs.	Barrels	M.S.	Mt. Simon ss.
B.B.	Bois Blanc formation	NFW	New Field Wildcat
B.D.	Brine Disposal	(N) I.P.	(Natural) Initial Production or Potential
BDW	Brine Disposal Well	Niag.	Niagaran
BOPD	Barrels Oil Per Day	Nt.	Nontechnical
B.R.	Black River	OBS	Observation Well
Camb.	Cambrian	OP	Out Post Well
"Camb."	Unidentified Cambrian	Ord.	Ordovician
Cat.	Cataract formation	OWDD	Old Well Drilled Deeper
c.f.p.b.	Cubic feet per barrel	P.D.C.	Prairie du Chien formation
C.H.	Cabot Head formation	Penn.	Pennsylvanian
Cinn.	Cincinnati	Pilot Wtr.	Pilot Water
Cl.	Clinton formation	P.M.	Pressure Maintenance
Cold.	Coldwater formation	Prod. Form.	Producing Formation
Compl.	Completion	R.C.	Reed City formation
Coop.	Cooperative	RW	Reworked Well
D & A	Dry and Abandoned	Rich.	Richfield formation
Dev.	Devonian	Sag.	Saginaw formation
D.R.	Detroit River formation	Sal.-Niag.	Salina-Niagaran
D.R. SZ	Detroit River Sour Zone	SD	Shut Down
Dres.	Dresbach formation	Seis.	Seismograph
Dd., DD.	Dundee	SO & G	Show Oil and Gas
Dd.-R.C.	Dundee-Reed City	S.P.	St. Peter formation
DPT	Deeper Pool Test	Stray	Michigan Stray formation
E.C.	Eau Claire formation	Sub.	Subsurface geology
Explor.	Exploratory	SW	Service Well
Fran.	Franconia formation	SWD	Salt Water Disposal
Geo. Test	Geological Test	Sylv.	Sylvania formation
G.O.R.	Gas-Oil Ratio	SZ	Sour Zone (in Detroit River)
Grav.	Gravity Gravimeter	Thick.	Thickness
GS	Gas Storage	(T) I.P.	(Treatment) Initial Production or Potential
GSW	Gas Storage Service Well	Trav.	Traverse
Gw	Glenwood	Tremp.	Trempealeau formation
Incs.	Includes	Trent.-Blk. River	Trenton-Black River
Inj.	Injection	Unit.	Unitized
L.P.G.	Liquid Petroleum Gas		

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