

drilling statistics

MICHIGAN'S OIL AND GAS FIELDS, 1975

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ACKNOWLEDGEMENTS

The Geological Survey Division's name, in conformance with Department-wide reorganization not yet completed, was officially changed to Geology Division during 1976. The Division's Oil and Gas Section consists of a Regulatory Control Unit, a Production-Proration Unit, and a Petroleum Geology Unit. A Cartographic sub-Unit is under the management of the Petroleum Geology Unit. Field operations are handled by personnel assigned to field offices within DNR Regions II and III. A Regional Geologist, under the supervision of the Regional Director, guides the overall activities of the several field offices within his region. Field offices are located at Plainwell, Cadillac, Grayling, Gaylord, Mt. Pleasant, Imlay City, and Lansing. Field activities are mainly those associated with the responsibilities of the Regulatory Control and Production-Proration Units, but do include the gathering of certain year-end oil-and-gas field statistics used to a limited extent in this report.

The compilation and assembly of various oil and gas field data into a yearly report is a major responsibility of the Petroleum Geology Unit. Certain data collected by field office personnel are contributed to this report by Unit supervisors who are under the general supervision of R. M. Acker, Assistant State Geologist and Chief of the Oil and Gas Section. Unit supervisors who provided specific information are:

> V. F. Sargent, Supervisor, and S. L. Alguire, Field Coordinator, Regulatory Control Unit. Contribution: All data in columns under the headings "Number of Oil and Gas Wells" and "Brine Production" on Tables 2, 3, and 4.

James S. Lorenz, Supervisor, Production-Proration Unit. Contribution: All Michigan oil and gas production data, oil and gas valuation figures, import and export figures, LPG and condensate figures, secondary recovery projects (Table 5), and refineries.

G. D. Ells, Supervisor, and B. L. Champion and staff, Petroleum Geology Unit. All general drilling statistics and well completion data, discovery well and deep test data, cumulative records, and all other summary information not specifically provided by other Unit supervisors or by other agencies. Maintenance and compilation of statistics, assembly and manuscript preparation by staff members of the Petroleum Geology Unit: G. D. Ells, Beverly L. Champion, D. M. Bricker, R. C. Elowski and Margaret Schineman.

The compilers also acknowledge the assistance of Gas Section personnel, Public Utilities Division, Department of Commerce, in providing figures on natural gas imports via interstate pipelines, and the Lands Division, Department of Natural Resources, in providing figures for state revenue derived from various oil and gas transactions.

Michigan oil and gas production figures maintained by the Production-Proration Unit are compiled by the Unit from records obtained from the Michigan Department of Treasury and from records filed by producers and purchasers. All hydrocarbon production figures cited herein are subject to correction as warranted.

Compilers: G. D. Ells B. L. Champion D. M. Bricker R. C. Elowski

Lansing, Michigan November, 1976

MICHIGAN'S OIL AND GAS FIELDS, 1975

INTRODUCTION

Oil and natural gas are two of Michigan's important mineral resources. Now into the sixth decade as an important oil and gas province, Michigan now ranks about 16th in oil production. This is mainly the result of the present cycle of successful exploration activity which began in 1969. This new cycle of activity, marked by an upward turn in annual oil and gas production, is linked primarily to deeper Niagaran reef discoveries in the northern and southern parts of the basin. The numerous new Niagaran reef reservoirs discovered the past few years have resulted in new production records being set.

The combined value of Michigan produced crude oil and natural gas was calculated to be \$327,455,528 in 1975 as compared with a combined value of a little over \$189,900,000 in 1974. In addition to the value of these natural resources, many millions of dollars were no doubt spent in lease and royalty payments, exploration and development drilling, geophysical surveys, and the many auxiliary activities and services connected with the extraction of these hydrocarbon resources during 1975. It is clear that oil and gas exploration and development is a major state industry and contributes substantially each year to Michigan's economy. Further, most of Michigan's oil and gas is processed and used within the borders of the state and thus directly contributes to energy needs.

To help foster the development of Michigan's hydrocarbon resources, statistical and other useful data have been maintained and published for many years. This issue of the oil and gas field statistical summary brings together information on various facets of oiland-gas industry activities during 1975. Certain indices which show the trend of activities from year to year are shown in chart form along with figures for prior years. Other charts show cumulative figures and other information of an historical nature, useful in oil and gas field evaluation.

As in the past, certain figures for the number of exploratory, development and service wells drilled and completed, the number of new fields and pools discovered, production figures, and so forth, may differ from those reported for 1975 by regional or national trade journals or by industry reporting services. The differences in the figures are generally minor and result from methods of gathering and reporting well data, determining cutoff dates for reporting statistics on a yearly basis, and the necessity of making estimates and projections of data for some types of reports.

Statistical data on Michigan oil and gas activities are also published by Oil and Gas News, Mt. Pleasant, Michigan; Petroleum Information, Incorporated, Denver, Colorado; American Petroleum Institute, Washington, D.C.; American Association of Petroleum Geologists, Tulsa, Oklahoma; Interstate Oil Compact Commission, Oklahoma City, Oklahoma; World Oil, Houston, Texas; and Oil and Gas Journal, Tulsa, Oklahoma. The differences in figures which may occur in these publications from timeto-time are almost always caused by factors stated in the preceding paragraph.

Certain well completion data are supplied to the American Petroleum Institute (API) and the American Association of Petroleum Geologists (AAPG) on a regular basis. API publishes the data in monthly and quarterly reports. Year-end printouts of the data are made available to authors of the AAPG yearly Development Papers and to others. Reports citing preliminary oil and gas statistics and production figures are also prepared for the Interstate Oil Compact Commission (IOCC). Oil and gas production figures, generally preliminary and subject to correction, are supplied by request to the United States Bureau of Mines for publication in their minerals yearbook. Other organizations mentioned in the previous paragraph publish oil and gas statistics derived from other sources, though some of the information is obtained from preliminary reports published by state agencies.

The information contained in this and previous issues of the oil and gas summary have been treated as uniformly as is possible from year to year. The data reflect as accurately as possible the actual figures and other information that should be credited to the year in review. The kinds of data found herein are mainly derived from records kept by the Oil and Gas Section, Geology Division, Department of Natural Resources. None of the data is derived from outside sources such as the aforementioned publications.

This publication is essentially divided into three parts. The first summarizes significant statistics on oil and gas field activities for 1975 and includes other related records kept by the Oil and Gas Section. Part 2 contains specific information on Michigan's oil and gas fields, gas storage fields, and other related subjects. Part 3 contains cumulative records of import to the oil and gas industry. Data for 1975 have been included in these cumulative records.

PART I

1975 STATISTICAL DATA

* * * OIL AND GAS PERMITS * * *

Oil and gas drilling permits issued under Act 61, P.A. of 1939, as amended, during 1975 began with permit number 30116 and ended with permit number 30769. The total number of permits issued during 1975 was 653 as compared with 503 in 1974. The initial classification of wells to be drilled under these permits was as follows:

INITIAL CLASSIFICATION	<u>1973</u>	1974	1975
Exploratory wells	225	299	319
Development wells	149	176	293
Gas storage facility wells	66	28	41*
LPG storage operations .	4	0	0
.	444	503	654

*Includes 4 brine disposal wells.

The distribution of oil and gas drilling permits according to districts (See oil and gas districts map) through a five-year period, including 1975, is as follows:

Permits Issued DISTRICTS 1974 1975 197 972 1973 Basin 100 138 154 120 98 173 Northern 81 137 210 219 130 62 67 62 70 Southeastern 108 Southwestern 30 32 28 44

38

423*

56

444*

89

503*

156

653*

46

425*

Western

Totals

DRILLING PERMITS BY DISTRICT

*Includes terminated permits. Permits issued under Act 61, P.A. of 1939, as amended, are terminated six months after date of issue if actual drilling operations have not begun.

Permits to drill wells for oil field brine or waste disposal are no longer issued under a separate permit numbering system (e.g. BDW 156). Such permits are now issued under the regular permit numbering system. Deepening permits were issued for 61 wells during 1975 as compared with 45 the previous year. Deepening permits issued in 1975 began with number 1757 and ended with number 1818.

The number of terminated permits and new permits for previously drilled wells or permitted but undrilled locations has increased considerably the past few years. Michigan's oil and gas permit system began in 1927 with the issuance of permit number 1, and the permit numbers have been issued in numerically consecutive order since then. Wells which have been drilled, plugged, or otherwise abandoned have frequently been reopened and reworked under a new permit number. Several hundred such cases probably exist, most in connection with wells drilled years ago in gas storage reservoirs. But in recent years, many well locations for which permits were issued but subsequently terminated have also been repermitted and assigned new permit numbers, often to a different operator or company. Because well data, including permit numbers, are now being incorporated into computerized data systems by various companies and some government agencies, multiple permit numbers for the same well location may lead to various problems such as well identification and location. Therefore an attempt is being made to keep a published account of permit numbers which may be possible sources of conflict in well identification. Permit numbers issued for wells drilled under previous permits, or new permit numbers issued for terminated permits, were cited and listed for the first time in Annual Statistical Summary 18. 1973. Permit numbers issued in 1971, 1972, 1973 and subsequently terminated are listed in Part 3 as are new permit numbers for a previously drilled well or for a previously terminated permit. Permits issued in 1974 and terminated in 1974 or 1975, or permits issued in 1975 and terminated in 1975 are shown below.

Permits	issued in	1974 and term	inated in 1974	or 1975
29617	29690	29846	29981	30064
29626	29714	29848	30014	30087
29645	29745	29862	30015	30103
29652	29800	29866	30042	30106
29654	29801	29879	30048	
29676	29802	29886	30056	
29689	29826	29954	30060	
Permits	issued in	1975 and term	ninated in 1975	5
<u>Permits</u> 30116	<u>issued in</u> 30151	<u>1975 and term</u> 30240	ninated in 1975 30331	30420
				-
30116 30121 30130	30151	30240	30331	30420
30116 30121 30130 30131	30151 30191 30199 30213	30240 30241	30331 30365	- 30420 30421
30116 30121 30130 30131 30133	30151 30191 30199 30213 30213	30240 30241 30257 30258 30279	30331 30365 30374 30395 30400	30420 30421 30430
30116 30121 30130 30131	30151 30191 30199 30213	30240 30241 30257 30258	30331 30365 30374 30395	30420 30421 30430

Directionally drilled holes. Since 1972, environmental considerations and economics have necessitated the drilling of a large number of directional holes to help locate Niagaran reefs. Many of these holes involve using the upper part of a previously drilled hole which was plugged-back to an appropriate depth after being completed as a dry hole. These directionally drilled holes fall in three main categories: 1) a single directional hole completed as a producer or a dry hole; 2) cases where two or more directional holes have been drilled to bottom-hole targets from the same surface location by using the same upper part of the hole; 3) cases where one or more directional holes have been deviated to new bottom-hole targets after the original vertically drilled test failed to encounter reefing. Only one producer, of course, is allowed per well bore, regardless of the number of holes directionally drilled from the same well bore.

Each new directional hole, even though drilled from the same surface location and using the upper part of a previously drilled hole, is treated as a separate test and is assigned its own unique permit number. Each additional hole drilled from the same surface location retains the same well name and number as the original hole, except that the suffix "A", "B", "C", etc., is added to the well number. For example: Shell-U.S. Steel #1-12, permit 30364 (1st hole, drilled vertically); Shell-U.S. Steel #1-12A, permit 30476 (2nd hole, drilled directionally from same location and upper part of hole as permit 30364); Shell-U.S. Steel #1-12B, permit 30496 (3rd hole, drilled directionally from same location and upper part of hole as permit 30364). In some instances, permits for directional holes were terminated and then subsequently repermitted under a new number. An attempt has been made to record and publish permit numbers for directionally drilled tests for the benefit of those persons who may find the information useful in computerwell data systems. Permit numbers issued for directional holes from 1972 through 1974, and directional holes with two or more permit numbers are listed in Part 3. Permits issued in 1975 for directional holes are as follows:

follow	s:		
Permit	numbers issued in 19	75 for	directional holes.
30118	Gd. Traverse County	30423	Otsego County
30119		30428	Kalkaska County
30132		30443	Kalkaska County
30142		30444	Otsego County
30165		30460	Antrim County
30172	Otsego County	30475	Manistee County
30175	Otsego County	30476	Presque Isle County
30178	Otsego County	30496	Presque Isle County
30185	Gd. Traverse County	30512	Manistee County
30200	Manistee County	30517	Otsego County
30203	Otsego County	30500	Gd. Traverse County
30211	Gd. Traverse County	30528	Montmorency County
30224	Kalkaska County	30530	Gd. Traverse County
30230	Kalkaska County	30531	Calhoun County
30231	Gd. Traverse County	30564	Kalkaska County
30234	Wexford County	30568	Gd. Traverse County
30235	Crawford County	30571	Kalkaska County
30242	Kalkaska County	30583	Manistee County
30245	Otsego County	30600	Manistee County
30251	Gd. Traverse County	30603	Montmorency County
30252	Manistee County	30604	Manistee County
30280	Manistee County	30626	Gd. Traverse County
30282	Kalkaska County	30629	Macomb County
30295	Wexford County	30633	Manistee County
30301	Kalkaska County	30655	Gd. Traverse County
30302	Manistee County	30662	Otsego County
30356	Manistee County	30677	Kalkaska County
30359	Gd. Traverse County	30685	Manistee County
30371	Gd. Traverse County	30744	Gd. Traverse County
30372	Gd. Traverse County	30748	Manistee County
30383 30387 30402 30403 30422	Kalkaska County Macomb County Otsego County Otsego County Kalkaska County		

<u>Service well permits</u>. The fluctuation in the number of permits issued to drill gas storage wells and other service well types over a five-year period is as follows:

SERVI	CE WELL	. PERMIT	rs		
Type of Service Well	1971	1972	1973	1974	1975
Gas storage	60	74	66	30	37
LPG, Water Injection	16	9	8	11	0
Brine disposal, etc.	3	1	1	1	4
	79	84	75	42	41

The distribution, by county, of oil and gas and service well permits issued under Act No. 61, P.A. of 1939, as amended, in 1975 is shown in Table 1.

Rework applications, transfers of ownership, etc. In addition to issuance of permits for various types of wells covered under Act No. 61, P.A. of 1939, as amended, 121 applications were received and approved for rework operations on existing wells. Letters of termination were sent out for 48 previously issued permits. Transfers of ownership were processed for 365 wells, plus a blanket transfer of several hundred wells for one company. Corrections of location, well name or other detail involving specific permits were made for 147 wells, and cancel and transfer of permit were made for 19 others. The surface location as well as the projected bottom-hole location is published for each permitted directionally drilled hole. After the well is drilled and the directional survey filed with the DNR, the correct bottom-hole location is determined from the survey records and then published as a correction for the initial projected bottom-hole location. Corrections of this type were published for 96 wells drilled in 1974 and 1975.

<u>Oil and gas hearings</u>. During 1975, Oil and Gas Section activities also included scheduling and preparation for hearings on oil and gas matters and the issuance of orders resulting from these hearings. These activities are summarized as follows:

Oil Advisory Board Hearings held 8 Causes heard
Spacing Orders issued
Abrogation of Spacing Orders
3 compulsory pooling orders 1 amendment to Special Spacing Order 1-73 1 restricting daily allowable production Show Cause Hearings
Hearing on Environmental Impact Statement 1

* * * WELL COMPLETIONS * * *

There were 533 new-hole exploratory and development wells which reached total depth and were considered either completed producers with production casing set, or dry holes during 1975. The 533 wells considered as completed during the past year do not include service wells, old wells drilled to deeper objectives, or reworked wells. Well completion figures for individual counties are shown in Table 1. The number of well completions within the several oil and gas districts is shown in chart form. The fluctuation in the number of new-hole completions and the resulting number of oil, gas, or dry holes over a five-year period is as follows:

	EXPLORAT	ORY	AND DEVELO			COMPLETI	ONS
V	Explora	tory	Wells.	Devel	opment	Wells	Totals
Year	0i1	Gas	Dry	0i1	Gas	Dry	IULAIS
1971	28	11	122	55	20	64	300
1972	34	23	124	50	15	62	308
1973	38	37	117	43	10	56	301
1974	54	39	173	80	22	62	430
1975	53	17	213	112	21	117	533*
*See	footnotes	for	NEW WELL	COMPL	ETIONS	BY DIST	RICT

There were 38 new-hole service well completions in 1975. All were drilled in gas storage reservoirs and completed as gas storage facility wells. The figure does not include reworked wells or old wells converted to facility wells. The fluctuation in the number of service well completions over a five-year period is as follows:

SERVICE WELL COMPLETIONS									
Year	GS	INJ	LPG	BDW	Totals				
1971	81	0	13	2	96				
1972	57	3	4	2	66				
1973	60	5	2	1	68				
1974	38	13	2	1	54				
1975	37	0	0	1	38				

As mentioned earlier, certain completion data for exploratory, development and other types of wells are supplied to the American Petroleum Institute (API) and the American Association of Petroleum Geologists (AAPG). Monthly and quarterly printouts of the data, essentially supplied to API on a weekly basis, are sent back by API

for verification or any corrections that need to be made. A final, year-end printout is also made available by API. Statistical data published for Michigan by API are correct according to the information submitted and approved at the time. However, the year-end figures published by API sometimes differ from those published later in the year by the Geology Division (formerly Geological Survey Division). The differences in figures are pri-marily due to API rules establishing a definite cut-off date for reporting or handling statistics on a yearly basis. The Oil and Gas Section of the Geology Division works directly with all phases of Michigan's oil and gas drilling activities and is not bound to a specific cutoff date for statistical reporting or maintenance of a suspense file of uncompleted wells. Thus, the Division's total year-end completion figures reflect more accurately the number of completed wells that should be credited to the year in review. Other factors which may result in differences in figures in some categories of completions are internal decisions of the Oil and Gas Section and decisions stemming from public hearings on oil and gas matters. For example, a well originally classified as a development well, and reported as such to API, may later be designated as the discovery well for a new pool or field, or a gas well might be declared an oil well completion. Frequently, the changes in well status or classification cannot be readily passed on to API so that their records can be updated prior to publication of their statistics. The discrepancies in final yearend figures are almost without exception related to Niagaran reef exploration and development which has been the mainstay of Michigan drilling activities the past few years.

Michigan drilling statistics published by API and derived from data furnished by the Geology Division (G.D.) are shown below, along with figures for the same categories published herein as final year-end figures. API figures have been extracted from the Quarterly Review of Drilling Statistics for the United States, Fourth Quarter, 1975, Annual Summary, 1975, American Petroleum Institute, Vol. IX, No. 4, April 1976, Tables I, II, III, and V, pp. 14-22.

API	EXPLOR/	ATORY /	AND DEV	ELOPM	MENT WELL	COMPLET	TIONS
Year	Explora 0il	atory V Gas	Vells Dry	Deve 0il	Gas	lells Dry	Totals
1975	55	17	200	114	16	114	516
G.D.	53	17	213	112	21	117	533
	TOTAL	WELLS	DRILLE	D IN	MICHIGAN	(API)	
Year	0il Wells	Gas Wells	Dry Hole		Service Wells		l Wells Types
1975	169	33	314		3	ļ	519
G.D.	165	38	330		38*		571

*API does not require information on wells drilled for gas storage. The Geology Division considers gas storage wells as a class of Service Well. 37 of the 38 Service Wells cited were gas storage facility wells.

NEW-FIELD WILDCAT WELLS DRILLED IN MICHIGAN (API)									
			Total Producing	Dry	Total New-Field				
Year	0i1	Gas	Wells	Holes	Wildcat Wells				
1975	55	16	71	199	270*				
G.D.	53	17	70	213	283**				
*Fro	m Tab	1e V.							

**See footnotes for NEW WELL COMPLETIONS BY DISTRICT, 1975.

<u>Major and independent company well completions.</u> Requests are frequently made for statistics on major oil company drilling activities in Michigan. Although there appears to be no single definition of what constitutes a major company, the following companies are frequently cited as belonging in that category: Atlantic-Richfield, Cities Service, Continental Oil Company, Exxon, Getty Oil Company, Gulf Oil Company, Marathon Oil Company, Mobil Oil Corporation, Phillips Petroleum Company, Shell Oil Company, Standard Oil of California, Standard Oil of

Indiana, Standard Oil of Ohio, Sun Oil Company, Texaco, Inc., and Union Oil Company of California. The preceding list is not official nor necessarily complete. A number of these companies have oil and gas interests in Michigan and some of them drilled wells in the state during 1975. The forthcoming figures, cited for major companies who drilled wells in Michigan in 1975, do not include wells drilled by independents but partially supported by dry-hole money, acreage contribution, or some other significant assistance from a major oil company. Independent companies, who have drilled most of Michigan's wells, are too numerous to cite individually. The number of well completions by independents are shown for comparative purposes. All figures cited for majors and independents were derived from inspection of names appearing on completion records.

WELL CO	MPLETI	DNS I	BY MA	JORS A	ND	INDEP	ENDENTS IN	1975		
Major Company	Exp1		ory	Devel	opm		Service*	Totals		
Amoco	4	2	10	7	-	2		25		
Cities			2					2		
Service Getty	3		2 5	1				2 9		
Mobil	3 8	2	6	16	1	12		45		
She11	28	10	72	38	8	42		198		
Sun				10				10		
Sub-tota	1s 43	14	95	72	9	56		289		
Independe Totals	ents <u>10¹</u> 53	3 ² 17	118 213	44 116	8 17	61 117	<u>38</u> 38	<u>282</u> 571		
 *Includes GS-OBS, LPG, WI, BDW wells. (1)Does not include two 1974 dry holes reworked as oil discoveries in 1975. (2)Does not include two 1974 and older dry holes re- worked as gas discoveries in 1975. 										
	Explora Service				; De	evelo	pment Wells	250;		

Exploratory Wells drilled by Majors 54%. Exploratory Wells drilled by Independents 46%.

Exploratory Discoveries made by Majors 81%. Exploratory Discoveries made by Independents 19%.

Development Wells drilled by Majors 55%. Development Wells drilled by Independents 45%. Producing Development Wells drilled by Majors 61%. Producing Development Wells drilled by Independents 39%.

Discovery to Exploratory Dry Hole ratio - Majors 1:1.7; Independents 1:9.1.

Well casing used in 1975 well completions. Periodically, inquiries are made concerning the amount of casing (pipe) used in drilling wells during a given year. While the number of casing strings and the amount and size of casings used in each well drilled in Michigan is known, compilations of casing data have not heretofore been made. Virtually all oil and gas tests are rotary drilled and require the setting of surface pipe and an intermediate casing string. A conductor pipe is set on many holes and all require a string of production casing if they are to be completed as some type of well other than a dry hole. Pipe size ranges and amounts have been determined from records of wells completed during 1975. For convenience, casing tallies have been related to a range of casing sizes as shown in the following chart.

	Conductor Pipe	Surface Pipe	Intermediate Pipe	Pipe
Casing Size	the second s	10"-13"	6"-10"	4 1/2"-6"
Range Used	Dia.	Dia.	Dia.	Dia.
Normal Size Used	16"	11 3/4"	8 5/8"	5 1/2"
Average Weight	75#/ft.	53#/ft.	37#/ft.	19#/ft.
No. feet used (1)	51,168	286,841	1,408,932	815,607
Miles (2)	9.7	54.3	266.8	154.5
Tons (3)	1,919	7,601	26,065	7,748
(1) Total	footage: 2	,562,548		
(2) Total	miles: 485	.3		

(3) Total tonnage: 43,333 based on an average weight for all sizes of 46# per foot.

NEW WELL COMPLETIONS BY DISTRICTS, 1975

Classification of	Basin		Northern		Western		Southwestern		Southeastern		Tot	tal
New Well Completions	1974	1975	1974	1975	1974	1975	1974	1975	1974	1975	1974	1975
Exploratory Wells						(2)				1(2)	55	55
011	6	6	26	24 14(1)	19	17(2)	4 2	/	0 2	$\frac{1}{1}(2)$	39	19
Gas	1	1	18		16	2		22	26			
D&A	<u>28</u> 35	<u>_39</u> 46	80	101	<u>24</u> 59	<u>37</u> 56	<u>15</u> 21	<u>23</u> 31	<u>_26</u> 28	<u>13</u> 15	$\frac{173}{267}$	<u>213</u> 287
Total	35	46	124	139	59	56	21	31	28	10	207	201
Development Wells												
011	19	18	32	26	12	35	5	24	11	9	79	112
Gas	4	2	9	6	1	3	7	2	l	8	22	21
D&A	13	18	31	43	7	26		25	4	5	62	117
Total	36	38	<u>31</u> 72	75	20	64	19	51	16	22	163	250
Service Wells										_		
WI	13	0 0	0	0 0	0	0	0	0	0	0	13	0
BDW	0		0		0	0	1	0	0	I	1	1
GS	12	6	0	0	5	25	0	0	21	6	38	37
LPG	<u>0</u> 25	0	0	0	0	0	2		<u>0</u> 21		2	
Total	25	6	0	0	5	25	3	0		7		38
Total Completions	96	90	196	214	84	145	43	82	65	44	484	575*

(1) Includes one gas well discovery resulting from reopening and completion of a dry hole credited to 1974 or a prior year.

(2) Includes one oil well discovery resulting from reopening and completion of a dry hole credited to 1974 or a prior year.

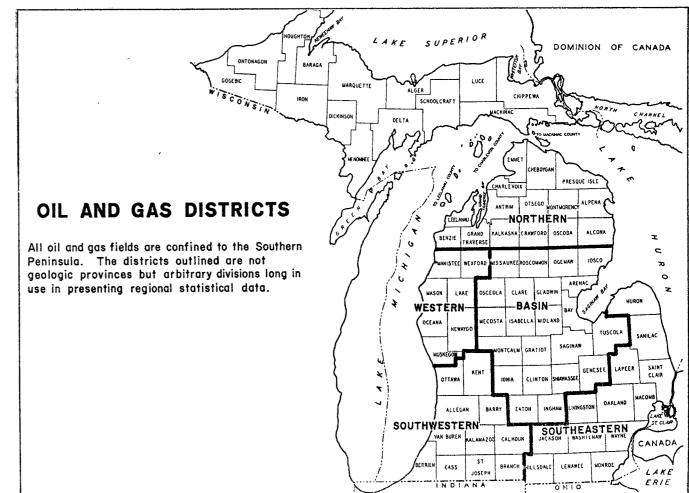
*Exclusion of (1) and (2) above results in 283 new-hole exploratory wells (New-Field Wildcats), 250 new-hole development wells, and 38 service wells.

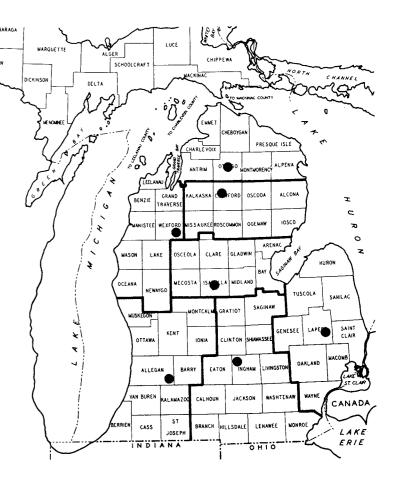
GEOLOGY DIVISION FIELD OFFICES

DNR REGION II FIELD OFFICES Gaylord (Otsego County) Grayling (Crawford County) Cadillac (Wexford County) Mt. Pleasant (Isabella County)

DNR REGION III FIELD OFFICES Lansing (Ingham County) Plainwell (Allegan County) Imlay City (Lapeer County)

Dots show the general location of field offices within the several districts. These districts are arranged for administrative and regulatory purposes. Though frequently called oil-and-gas districts, they should not be confused with those shown below which have been in use for many years in presenting statistical data.





Urilled footage. The average depth, statewide, of exploratory wells drilled in 1975 was 4,937 feet compared with 5,166 feet in 1974. Development well depths averaged nearly 5,000 feet as compared with 5,053 feet in 1974. Service wells drilled in 1975 averaged about 1,893 feet as compared with 2,808 feet in 1974. Drilled footage figures and average well depths for specific counties are shown in Table 1. Average depths for wells drilled in these counties can be figured from the data shown in Table 1.

Total drilled footage figures from Geology Division records for 1975 and several prior years are as follows:

DRILLED FOOTAGE FIGURES-GEOLOGY DIVISION

DIVILL		1 1 0 0 1 1 0 0 0 0 0		
Well Class	1972	1973	1974	1975
Exploratory Development Service Wells (All types)	913,797 581,886* 110,177	1,013,470 573,522 132,577	1,374,285 829,709 151,661	1,397,144 1,124,863 71,919
Total:	1,605,860	1,719,569	2,355,655	2,593,926

*Corrected figure: shown as 554,968 in 1972, 1973, 1974 issues.

Drilled footage figures for individual wells are included in the well completion data provided the American Petroleum Institute. Total drilled footage is published as part of their quarterly and annual summary. Drilled footage figures extracted from the aforementioned 1975 API Annual Summary are as follows:

1975 API DRILLED FOOTAGE FIGURES

	13/5	ALL DUTEEL							
Explo	oratory W	ells	Development Wells						
011	Gas Dry		011	Gas	Dry				
287,745	91,181	958,911	497,476	84,527	509,688				
Total E	xplorator	y.	Total Development						
Footage	: 1,337,8	37 feet*	Footage: 1,091,691 feet**						
*API Ta	ble II, p	age 16	**API Table III, page 17						

The difference in total drilled footage figures (59,307 Exploratory and 33,172 Development) as reported by API and by the Geology Division are related to factors previously mentioned. API footage figures are correct on the basis of reporting-year criteria.

* * * 1975 OIL AND GAS PRODUCTION * * *

Oil and gas production figures are derived from Michigan Department of Treasury tax records and records submitted to the Production-Proration Unit, Oil and Gas Section, Geology Division, Department of Natural Resources. Treasury Department records, forwarded to the Production-Proration Unit, are mainly concerned with and related to gross production figures needed to calculate revenues. These data are supported by records and reports required to be filed with the Geology Division by producing companies and purchasers. Delays in reporting production figures, methods of reporting used by producers and purchasers in handling crude oil and stable condensate from gas wells, frequent errors in the records, all result in a continuous correction and refinement of production figures. Consequently all monthly, year-end, or other production figures are subject to corrections as warranted. In Annual Statistical Summary 22, errors occurred in some of the production figures cited for the various formations for the year 1974. These were in turn reflected in the cumulative figures for gas and oil as shown on other charts. Corrections have been made at appropriate places in this issue.

Oil and gas production continued to increase statewide mainly because of continued development of the Niagaran reef belt extending from western Mason County northeasterly through Manistee County, northwestern Wexford County, Grand Traverse and Kalkaska counties, southeastern Antrim County, Otsego County, and into northwestern Montmorency County. New discoveries in Presque Isle County in 1976, but not cited or figured in this issue, have extended the trend almost to the shore of Lake Huron. The spread of these reef fields across northern Southern Peninsula counties is shown on the map accompanying Table 2.

County	PRODUCTION BY COUNTY Barrels Oil	MCF Gas
Allegan	111,233	49,390
Antrim	205,856	1,394,851
Arenac	187,796	
	10,326	
Barry	193,602	
Bay		5,024,177
Calhoun	1,313,851	5,024,177
Clare	331,112	112,573
Crawford	857,767	599,138
Eaton	177,276	2,949,925
Genesee	12,367	
Gladwin	236,125	
Grand Traverse	2,152,256	19,842,846
Gratiot	5,183	2,337
Hillsdale	1,312,031	4,507,746
Ingham	2,462,725	3,990,631
Isabella	117,590	
Jackson	432,056	2,316,461
Kalkaska	3,463,247	36,313,294
Kent	59,644	6,081
Lake	87,097	
Lapeer	77,936	33,637
Livingston	1,419	1,360,565
Macomb	2,067	324,307
	1,040,939	1,957,137
Manistee		
Mason	283,738	3,926,935
Mecosta	36,448	14,449
Midland	166,828	
Missaukee	654,663	632,424
Monroe	5,931	
Montcalm	79,933	
Montmorency	47	
Muskegon	9,946	
Newaygo	14,327	
Oakland	33,323	1,326,519
Oceana	33,222	
Ogemaw	509,348	254,259
Osceola	368,639	56,059
Oscoda	640	
Otsego	5,719,179	10,600,738
Ottawa	65,420	51,485
Presque Isle	236	
Roscommon	355,740	370,347
Saginaw	16,918	
	1,029,272	2,842,950
St. Clair		2,042,950
Shiawassee	5,178	
Tuscola	46,817	
Van Buren	9,252	
Washtenaw	2,039	
Wayne	3,958	
Wexford	117,332	1,816,906
Totals	24,419,525	102,678,067

OIL AND GAS	PRODUCTION BY DISTRICT	IN 1975
District	Barrels Oil	MCF Gas
Basin	5,964,288	8,383,004
Northern	12,399,228	68,750,867
Southeastern	2,900,032	12,712,185
Southwestern	1,569,726	5,131,133
Western	1,586,601	7,700,978
Totals	24,419,525	102,678,067

AND AND DECENTION BY DICTDICT IN 303

OIL AND G	AS PRODUCTION BY MONTH	IN 1975
	Barrels Oil	MCF Gas
January	1,759,976	7,488,174
February	1,546,783	6,811,216
March	1,832,571	8,025,321
April	1,751,153	7,904,093
May	1,868,212	8,436,938
June	1,942,691	8,874,612
July	2,194,566	8,974,008
August	2,156,729	8,840,014
September	2,244,951	9,125,189
October	2,404,139	8,977,090
November	2,325,767	9,623,629
December	2,391,987	9,583,362
Totals	24,419,525	102,678,067

* * * NATURAL GAS LIQUIDS * * *

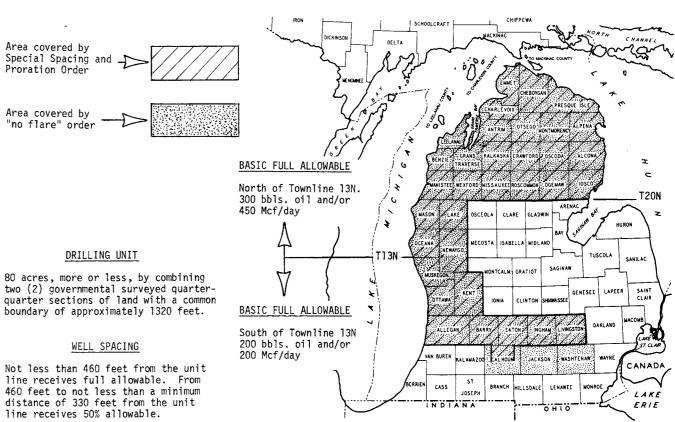
The amount of liquids produced from gas-condensate reservoirs associated with western and northern Michigan reef traps continues to increase. These liquids (stabilized condensates) produced from wells classified as gas wells are included in the yearly oil production totals cited in various tabulations in this publication. Wells officially determined to be gas wells are assigned to the Public Service Commission for well connection permits and determination and jurisdiction of gas production allowables. Under Public Service Commission jurisdiction, there is no restriction on the amount of liquids produced along with the gas. Gas plants operated by Shell Oil Company and by Amoco Production Company in Kalkaska County strip natural gas liquids from the gas. The liquids are then sold to another company through the Shell pipeline that terminates at Marysville, Michigan.

An attempt has been made to maintain records of condensate production from the northern reef trend reservoirs discovered since 1969. Production-Proration Unit records show the following figures for liquids classified as condensate:

CONDENSAT	E PRODUCTION
Year	Barrels
1969	0
1970	18,946
1971	98,668
1972	125,768
1973	335,041
1974	1,187,498
1975	1,863,338
Total	3,629,259

Gas plant operations are summarized in table form elsewhere herein. It should be noted that the LPG recovery figures for the Shell and Amoco plants in Kalkaska County include stabilized condensate as well as IPG's.

A no-flare order, enacted as a conservation measure, prohibits the flaring of oil-well gas and requires Salina-Niagaran oil wells in specified counties to be shut in until a market connection is achieved for the





sale of the gas or an exception to the order is granted. Consequently, Special Order No. 3-71, amended, in effect since late 1971, tends to temporarily curtail production from Salina-Niagaran oil wells until such time as gasgathering pipelines are laid and connections made.

Another order, Special Order No. 1-73, deals with spacing and proration of Salina-Niagaran wells in specific counties. This order established basic 80-acre drilling units (either stand-up or lay-down units) for Salina-Niagaran oil and/or gas wells and statewide proration from Salina-Niagaran oil reservoirs in the specified counties or parts of counties covered by the order. The area covered by the no-flare order and by the spacing-proration order are shown on the inset map along with information on the drilling unit, well spacing, and basic oil-gas allowables. These prudent and justifiable conservation measures effectively prevent waste of millions of cubic feet of valuable and much needed gas that might have been flared in past years, and these measures should ultimately result in more efficient drainage of reef reservoirs and a greater recovery of the liquid hydrocarbons.

* * * OIL AND GAS VALUATION * * *

Records maintained by the Production-Proration Unit indicate the average price paid at the wellhead in 1975 for Michigan crude, including condensate, was \$10.74 per barrel compared with \$8.56 per barrel in 1974. The gross value of these products amounted to \$262.351.653 as compared with \$154,746,373 in 1974. The value of Michigan produced natural gas continued to rise in 1975 The average price of gas sold at the wellhead was \$.634 per Mcf as compared with \$.50 per Mcf in 1974. The gross value of this product amounted to \$65,103,875 in 1975 as compared with \$35,181,955 in 1974.

* * * OIL AND GAS IMPORTS AND EXPORTS * * *

Total imports to Michigan refineries of U.S. domestic and Canadian crude oil amounted to 37,599,514 barrels in 1975, a decline from the 42,099,556 barrels imported during 1974. Imports of U.S. domestic crude to Michigan refineries via pipeline from western and midwestern states increased from 14,781,592 barrels in 1974

to 15,321,840 barrels in 1975. Imports of Canadian crude via pipeline from western Canada oil fields con-27,317,964 barrels in 1974 but declined to 22,277,674 barrels in 1975. The trend of U.S. domestic and Canadian imports to Michigan refineries from 1962 through 1975 is shown graphically. Imports by month during 1975 are as follows:

	1975 CRUDE OI	L_IMPORTS (Bbls.)	1
	Domestic	Canadian	Total
January	1,496,176	2,285,592	3,781,768
February	1,397,140	1,836,565	3,233,705
March	1,428,961	1,840,231	3,269,192
April	1,152,283	1,624,704	2,776,987
May	1,338,630	1,479,550	2,818,180
June	625,742	1,452,758	2,078,500
July	1,390,730	1,355,716	2,746,446
August	1,194,213	2,053,688	3,247,901
September	1,400,614	1,622,604	3,023,218
October	1,359,321	1,729,977	3,089,298
November	1,302,411	2,372,437	3,674,848
December	1,235,619	2,623,852	3,859,471
Totals	15,321,840	22,277,674	37,599,514

The bulk of Michigan produced crude goes to Michigan refineries but some is exported. The amount exported and credited to out-of-state terminals increased from 2,766,486 barrels in 1974 to 6,899,744 barrels in 1975. Records kept by the Production-Proration Unit show the following exports, by month, of Michigan produced crude:

		1975	CRUDE	OIL	EXPORTS	(Bt	ols.)		
January			•		•	•	•	•	390,283
February									355,730
March									470,140
April									468,433
May									482,110
June									383,809
July									760,369
August									656,927
September									816,068
October									767,058
November									703,434
December	•					•			645,383
Total		·						6	,899,744

Natural gas imports to Michigan markets and gas storage fields in 1975 via interstate pipelines, primarily from Texas, Louisiana, Oklahoma and Kansas fields, amounted to 840,412,900 Mcf, a slight decrease under the 851,903,391 Mcf imported in 1974. Compilations by the Gas Section, Michigan Public Service Commission, show the following imports, by month, during 1975:

1975 PIPELINE GAS IMPORTS (Mcf)

	•		•			47,898,200
						47,609,100
						62,592,000
						77,667,700
						93,689,700
						93,230,500
						92,760,100
						79,775,900
						85,747,200
						71,457,100
						49,893,100
						38,092,300
						840,412,900
· · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · ·	· ·	

* * * NEW FIELD AND POOL DISCOVERIES * * *

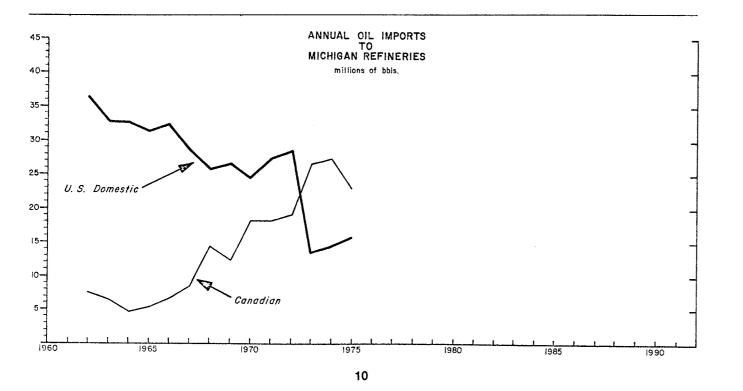
Silurian reefs were again the main type of oil-and-gas trap found in 1975 and all appeared to have been lo-cated by seismic methods. Most were found along the northern reef trend extending from Mason County in the Western District northeasterly through part of the Northern District. Others were found in the southern part of the basin in the Calhoun-Eaton-Ingham County area, and in the Macomb-St. Clair County part of the Southeastern District.

All the new discoveries are tentatively classified as Class E pools having possible oil and gas recoveries as defined by the Committee of Statistics of Drilling, American Association of Petroleum Geologists. These classes, shown below, are used to give some estimate or measure of reserves found by a discovery well.

Class A - Over 50 million barrels oil or 300 BCF gas Class B - 25-50 million barrels oil or 150-300 BCF gas Class C - 10-25 million barrels oil or 60-150 BCF gas Class D - 1-10 million barrels oil or 6-60 BCF gas Class E - 1 million barrels or less oil, or less than 6 BCF gas

Class F - Abandoned as non-profitable

Michigan wells are initially classified as near as possible according to guidelines established by AAPG and API (AAPG Bulletin, Vol. 58/8, August 1974, pp. 1501-1503). Classifications such as exploratory, development, and the various types of service wells, are made after inspection of appropriate oil and gas maps and noting



County Location	Field Name		Permit Number	Depth to Pay	Total Depth	Initial Production n=(N)IP t=(T)IP BOPD MCFGPD	Producing Formation	Basis for Loc.	AAP Poo Cla
EW FIELDS	Convis	Mobil Oil Corp.	30207	2978	3555	F91t	Salina-	Seis.	E
alhoun 8-15-6W	8-1S-6W	Charles West #1					Niagaran		
alhoun	Convis		30167	2909	3427	F1080 +110_Mcf ^t	Salina- Niagaran	Seis.	Ε
18-15-6W alhoun	18-15-6W Convis	Alvin Smith Unit #1 Mobil Oil Corp.	30414	2876	3430	F261t	Salina-	Seis.	E
25-1S-6W	25-15-6W	Freiny Unit #1	205.05	2010		Focot	Niagaran	Codo	-
alhoun 30-15-6W	Convis 30-15-6W	Mobil Oil Corp. Smith-Bicknell Unit #1	30505	2819	3346	F960t	Salina- Niagaran	Seis.	E
alhoun	Lee	MGU-Mask-Markel-Wood	29835	3160	3532	40 Mcf ^t	Salina-	Seis.	E
3-1S-5W alhoun	3-1S-5W, Pool A Lee	Treadwell et al Unit #1-3 Mobil Oil Corp.	30663	2950	3040	F50	Niagaran Niagaran	Seis.	Ε
30-1S-5W	30-1S-5W	Ira Rubin #1				+150 Mcft	-		-
alhoun 32-1S-5W	Lee 32-15-5₩	Mobil Oil Corp. Vanden Heede Unit #1-A	30435	2557 & 2904	3415	867 Mcf ^t	Sal E Zone Sal-Niag	Se15.	E
alhoun	Pennfield	Sullivan and Co.	30351	2743	2850	F240	Salina-	Seis.	E
21-15-7W Crawford	21-1S-7W Frederic	Harold Unit #1 Shell Oil Co.	30067	6604	6880	+ gast F456	Niagaran Niagaran	Seis.	E
1-28N-4W	1-28N-4W	Salling-Hanson #1-1				+513 Mcf ^t	•		
aton 32-2N-3W	Eaton Rapids 32-2N-3W	Consumers Power Co. Mock et al #1	30624	3799	3917	168 +78 Mcf ^t	Niagaran	Seis.	E
aton	Hamlin	Mobil Oil Corp.	30466	3650	3900	F720 ^t	Salina-	Seis.	Ε
5-1N-3W aton	5-1N-3W Hamlin	Long-Pricco Unit #1 Consumers Power Co.	30623*	3739	3852	48 Cond./Day	Niagaran Salina-	Seis.	E
5-1N-3W	5-1N-3W, Pool A	Wiseman-Whittum et al #1				+1300	Niagaran		
aton	Hamlin All All Decl A	Kulka and Schmidt	30081	3697	4056	F18.5 +490 Mcft	Niagaran	Seis.	Ε
8-1N-3W Grand Traverse	8-1N-3W, Pool A Blair	Miller-Phinney #1 Shell Oil Co.	30113*	5804	6035	219 Cond./Day	Niagaran	Seis.	E
26-26N-11W	26-26N-11W	Biermacher-St-Blair #2-26A	20172	5562	5020	+3392t	Nisasaa	Soic	E
and Traverse 27-26N-11W	Blair 27-26N-11W	Shell Oil Co. Kyselka et al #1-27	30173	5563	5820	96 Cond./Day +1343	Niagaran	Seis.	
irand Traverse	Blair	Shell Oil Co.	30085	6126	6320	F230	Niagaran	Seis.	E
35-26N-11W rand Traverse	35-26N-11W Grant	Schmuckal #1-35 Shell Oil Co. & NMEC	30166	5807	6060	+461 Mcf ^t 3.5 Cond./11 Hrs.	Niagaran	Seis.	Ε
1-25N-12W	1-25N-12W	Kolbusz et al #1-1				+1106t	•		
rand Traverse 4-25N-12W	Grant 4-25N-12W	Shell Oil Co. Zezulka #1-4	30236	5469	5724	315 +294 Mcf ^t	Niagaran	Seis.	E
irand Traverse		Shell Oil Co.	30450	5634	5875	F228	Niagaran	Seis.	Ε
10-25N-12W	10-25N-12W	St-Grant-Robertson #1-10 NMEC	30251*	5767	6030	+80 Mcf ^t 7 Cond.	Niagaran	Seis.	E
irand Traverse 11-25N-12W	Grant 12-25N-12W	Traylor #1-12	30231	5707		+10 MMcf ^t	niagaran	Je13.	
arand Traverse		Shell Oil Co.	30359*	5874	5969	F384 +598 Mcf ^t	Niagaran	Seis.	Ε
13-25N-12W Frand Traverse	18-25N-11W Grant	Longcore et al #2-18 NMEC & Shell Oil Co.	30530*	5741	6188	F300t	Niagaran	Seis.	Ε
27-25N-12W	22-25N-12W	Bracebridge #1-A	20142	6010	6205	+180 Mcft	Nésanan	Coio	r
and Traverse 3-25N-11W	Mayfield 3-25N-11W, Pool A	Shell Oil Co. Zimmerman et al #3-3	30143	6019	6325	F369 +384 Mcf ^t	Niagaran	Seis.	E
Grand Traverse	Mayfield	Shell Oil Co.	30327	6116	6259	F315	Niagaran	Seis.	E
3-25N-11W Grand Traverse	3-25N-11W, Pool B	Waslawski #5-3 Shell Oil Co.	29892	5664	5932	+438 Mcft F743	Niagaran	Seis.	Ε
6-25N-11W	6-25N-11W	Weber et al #1-6				+483 Mcf ^t	-		
Frand Traverse	Mayfield 18-25N-11W, Pool A	Shell Oil Co. Stevenson et al #3-18	30504	6198	6330	F350 +362 Mcft	Niagaran	Seis.	E
Grand Traverse		Shell Oil Co.	30520	6519	6890	20 Cond./MMcf	Niagaran	Seis.	E
3-25N-10W	3-25N-10W	Chamberlain et al #1-3 Shell Oil Co.	30286	5750	6034	+3553t F360	Salina-	Seis.	E
Frand Traverse	19-26N-10W	St-Paradise #1-19	30200			+936 Mcft	Niagaran		
Grand Traverse	Paradise	Shell Oil Co.	30391	6027	6252	F312 +480 Mcf ^t	Niagaran	Seis.	E
20-26N-10W Grand Traverse	20-26N-10W Paradise	St-Paradise #1-20 Shell Oil Co.	30231*	5848	6198	F243	Niagaran	Seis.	E
21-26N-10W	21-26N-10W	Wise-Smith #1-21				+241 Mcf ^t		6	-
Grand Traverse 33-26N-10W	Paradise 33-26N-10₩	Shell Oil Co. St-Paradise #1-33	30287*	6093	6627	37.8 Cond./MMcf +3803 ^t	Niagaran	Seis.	E
Grand Traverse	Paradise	Industrial Nat. Gas Corp.	30452	6332	6808	. 3 Cond	Niagaran	Seis.	E
34-26N-10W Grand Traverse	34-26N-10W Union	O. B. Widener II et al #1-34A Amoco Prod. Co.	30155	6207	6716	+1000t 10 Cond./6 Hrs.	Niagaran	Seis.	E
16-26N-9W	16-26N-9W	Orth Unit #1-16				+2.2 MMcf ^t	0		
Grand Traverse		Amoco Prod. Co.	30333	6810	7062	196 Cond. +5600t	Niagaran	Seis.	E
28-26N-9W Grand Traverse	28-26N-9W Whitewater	St-Union "J" #1-28 Shell Oil Co.	29871	6096	6310	F396	Niagaran	Seis.	E
28-27N-9W	28-27N-9W	St-Whitewater #2-28				+528 Mcf ^t			
Ingham 17-1N-2W	Onondaga 17-1N-2W, Pool A	Mobil Oil Corp. Bucher Unit #2	30615	3610	3830	F96 +288 Mcf ^t	Niagaran	Seis.	E
Ingham	Vevay	Mobil Oil Corp.	30441	4140	4312	1000	Niagaran	Seis.	E
8-2N-1W Kalkaska	8-2N-1W Blue Lake	Gilbert Unit #1 Amoco Prod. Co.	30162	6960	7186	+est. 20 B0/7 Hrs. F370	Niagaran	Seis.	Ε
18-28N-5W	18-28N-5W	St-Blue Lake Unit "E" #1-18				+310 Mcf ^t	5		
Kalkaska 28-29N-6W	Cold Springs 28-28N-6W	Amoco Prod. Co. Simpson Unit "J" #1-28	30024	6790	7150	F276 +538 Mcf ^t	Niagaran	Seis.	E
28-28N-6W Kalkaska	28-28N-6W Excelsior	Shell Oil Co.	30230*	7091	7288	12.3 Cond./MMcf	Niagaran	Seis.	E
19-27N-6W	19-27N-6W	Kent Rosenberg #1-19				+4542t 196 Cond.	-	Soic	E
Kalkaska 28-27N-7W	Kalkaska 28-27N-7W, Pool B	Michael T. Cowen Williams et al #1-28A	30677*	7088	7205	+2250t	Niagaran	Seis.	
Kalkaska	Kalkaska	NMEC	30473	6493	6750	Gauge not available	Niagaran	Seis.	E
20-27N-8W Kalkaska	20-27N-8W Kalkaska	USA-Kalkaska #1-20 Amoco Prod. Co.	30124	6585	6890	F300	Niagaran	Seis.	E
32-27N-8W	32-27N-8W	St-Kalkaska Unit "L" #1-32				+400 Mcf ^t	-		
Macomb 28-4N-1E	Washington, Sec. 28	MCGC S. and K. Kashat #1	29867	3357	3542	pl3t	Salina A-1 Carb.	Seis.	Ε
Manistee	Bear Lake	Shell Oil Co.	30527	4668	4740	F408 ^t	Niagaran	Seis.	E
11-23N-15W	11-23N-15W, Pool A	Darbee-Brannan #3-11 Shell Oil Co.	30611	4262	4556	F336	Niagaran	Seis.	E
Manistee 19-23N-15W	Bear Lake 19-23N-15W	St-Bear Lk-Vil of Onekema #1-19				+13.4 Mcf ^t	-		
Manistee	Bear Lake	Shell Oil Co.	30000	4338	4722	F321 +299 Mcf ^t	Salina- Nianaran	Seis.	E
20-23N-15W Manistee	20-23N-15W Bear Lake	Yankee et al #1-20 Shell Oil Co.	30066	4861	5036	F350	Niagaran Niagaran	Seis.	E
26-23N-15W	26-23N-15W, Pool A	Hilliard et al #2-26				+480 Mcft	-		
Manistee 27-23N-15W	Bear Lake 27-23N-15W	Shell Oil Co. Olson #1-27	30149	4673	4870	F213 +1812 Mcf ^t	Niagaran	Seis.	E
Manistee	Bear Lake	Shell Oil Co.	30320	4783	4957	F376	Niagaran	Seis.	E
34-23N-15W	34-23N-15W	Zimmerman et al #2-34 Shell Oil Co.	30356*	5702	6043	+484 Mcf ^t F384	Niagaran	Seis.	E
Manistee 12-24N-13W	Cleon 12-24N-13W, Pool A	Shell Ull Co. St-Cleon #3-12A				+291 Mcft	-		
Manistee	Cleon	NMEC	30290	5436	5700	27.5 Cond./MMcf	Niagaran	Seis.	E
22-24N-13W	22-24N-13W	Thompson #1				+220 MMcft			

		1975 DISCOVE	KT WELLS	CURTINUEL	<u>_</u>						
Manistee 1-22N-16W	Manistee 1-22N-16W, Pool A	Shell Oil Co. Schimke #2-1	30319	4461	4630	F234 +506 Mcf ^t			Niagaran	Seis.	E
Manistee 2-22N-16W	Manistee 2-22N-16W	Whitney Oil & Gas Corp. Hadaway #2-2A	30540	4245	4558	F456 + Gas			Niagaran	Seis.	Ε
Manistee 16-22N-16W	Manistee 16-22N-16W	Shell Oil Co. A. E. Modjeski #2-16	30112	4049	4228	F445 +387 Mcft			Niagaran	Seis.	Ε
Manistee 20-22N-16W	Manistee 20-22N-16W	Shell Oil Co. Spolyor et al #1-20	30083	3996	4225	F324 +326 Mcf ^t			Niagaran	Seis.	Ε
Manistee 4-23N-14W	Maple Grove 4-23N-14W	Shell Oil Co. St-Maple Grove #1-4	30201	4895	5153	F360 +502.8 Mcf	t		Niagaran	Seis.	Ε
Manistee 19-23N-14W	Maple Grove 19-23N-14W	Shell Oil Co. Mitchell et al #1-19	30200*	4597	5110			Cond./MMcf +3116t	Niagaran	Seis.	Е
Manistee 21-24N-14W	Springdale 21-24N-14W	Shell Oil Co. St-Springdale #1-21	30146	4883	5085	F449 +261 Mcf ^t			Niagaran	Seis.	Ε
Midland 4-15N-2W	Geneva, Sec. 4	McClure Oil Co. Berthume et al #1-4	30126	3718	3795	P10t			Dundee	Seis.	E
Midland 15-15N-2W	Geneva, Sec. 15	Consumers Power Co. Middleton et al #1	30457	3186	3990	p6t			Traverse	Sub- surf.	Ε
Montmorency 29-32N-1E	Montmorency 29-32N-1E	Shell Oil-Total-Leonard Stella Maris #1-29A	30118*	4794	4939		20	Cond./MMcf +5107t	Niagaran	Seis.	E
Otsego 21-30N-3W	Bagley 21-30N-3W	Amoco Prod. Co. Lucas et al Unit #1-21	30160	5962	6219	F150 ^t			Niagaran	Seis.	Ε
Otsego 1-30N-1W	Charlton 1-30N-1W	Shell Oil Co. Campbell et al #1-1	30692	5865	6065		29	Cond./MMcf +7446 ^t	Niagaran	Seis.	Ε
Otsego 30-31N-1W	Charlton 30-31N-1W	Shell Oil Co. St-Charlton #1-30	29989	5435	5650	F377 +331 Mcf ^t			Niagaran	Seis.	E
Otsego 10-29N-2W	Chester 10-29N-2W	Shell Oil Co. St-Chester #1-10	30097	6145	6644			240 Cond. +5869t	Niagaran	Seis.	Ε
Otsego 5-30N-2W	Chester 5-30N-2W, Pool A	Moskowitz, Simcox, Stevenson Piasecki and Edwards #1-5A	30662*	5634	5938	F25/Hr.t			Salina A-1 Carb.	Seis.	Ε
Otsego 22-31N-2W	Dover 21-31N-2W	Getty Oil Co. T. Snowday, Jr. #1-22	30402*	5210	5527	F428 +340 Mcf ^t			Salina- Niagaran	Seis.	Ε
Otsego 22-31N-2W	Dover 22-31N-2W	Getty Oil Co. Green-Snowday #1-22	30403*	5223	5531	F356 +280 Mcft			Niagaran	Seis.	E
Otsego 27-31N-2W	Dover 27-31N-2W	Getty Oil Co. Green #1-27	30178*	5179	5564	F240 +50 Mcf ⁿ			Salina A-l Carb.	Seis.	E
Otsego 26-29N-3W St. Clair	Otsego Lake 26-29N-3W	Industrial Nat. Gas Corp. St-Otsego Lake #1-26A	30408	6810	6968	F360 +425 Mcf ^t			Niagaran	Seis.	E
31-7N-17E Wexford	Port Huron 31-7N-17E	Mau-Gul Oil Co. McLeod and Baldwin #1	25196	3242	3288			35(gauge)	Niagaran		E
23-21N-11W Wexford	Henderson, Sec. 23	MGU Dev. Co. St-Henderson #1-23	29996	4894	4970	P20t			Richfield		£
6-24N-12W Wexford	Grant 31-25N-12W	Shell Oil Co. Borak-St-Wexford et al #1-6	30295*	5772	6116	F72 +40 Mcf ^t			Niagaran	Seis.	Ε
6-24N-12W	Wexford 6-24N-12W	Shell Oil Co. Schroeder #2-6	30456	5775	6061	F345 +381 Mcf ^t			Niagaran	Seis.	Ε
Wexford 18-24N-12W	Wexford 18-24N-12W, Pool A	Shell Oil Co. St-Wexford et al #1-18A	30234	5885	6165	F396 +486 Mcf ^t			Niagaran	Seis.	Ε

1975 DISCOVERY WELLS CONTINUED

*Directionally drilled hole. Total depth listed is the $\frac{true \ vertical \ depth}{to \ pay \ are \ also \ true \ vertical \ depths.}$ Depths

(1) Well was originally drilled as a development well in the Hamlin 8-IN-3W field. Reclassified as a new pool discovery (Pool A) after public hearing in October, 1975.

The wells listed as 1975 Niagaran reef discoveries are subject to reclassification as to product. Future development may also indicate reservoir connection with a nearby reef reservoir previously classified as a discovery and thus reclassified to development well status. NOTE: t = (T) IP refers to initial production after acid, sandfracture, or a combination of well stimulation methods. n = (N) IP refers to natural initial potential or production. Cond. = barrels condensate the location of the test in reference to established fields, dry holes, etc. Gas storage facility wells, water injection wells and other types of service wells are generally designated as such by the operator. The Lahee classification system for designating exploratory or development wells is particularly adaptable to structural traps but does not adapt to all situations involving small reefs such as are found in Michigan. Because of the apparent small areal extent of most reefs as shown by seismic anomalies and the close proximity of one reef to another, especially in the northern and southern reef belts, it has become increasing difficult to classify with certainty all new well locations as exploratory or development.

Discovery wells credited to 1975 are shown on the forthcoming list. The list may show a few wells that were reclassified during 1976. Reservoir performance may show that a well previously classified as a development well should actually be considered as being in a separate reservoir or pool. Likewise, a so-called discovery well may actually turn out to be a development well to a nearby reef reservoir. Also, a discovery well may be completed as an oil well but at sometime later be reclassified as a gas well and, conversely, a gas well may later be reclassified as an oil well. Changes in classification may be the result of action by the regulating agency after enough data has been accumulated on the well or wells, or may result from new data presented at public hearings and the decision of the Supervisor of Wells after thorough consideration of the new data.

An analysis of 1975 discovery wells according to geologic system and an analysis drilling objectives penetrated at total depth by wells completed in 1975 follows.

ANALYSIS OF 1975 DISCOVERY WELLS BY GEOLOGIC SYSTEM

			Number	of
System	Formation or Pay	Į	Discover	ries
		1973	3 1974	1975
Pennsylvanian		-	-	-
Mississippian	"Michigan Stray Ss."	-	-	-
	"Berea Sands tone"	-	-	-
Devonian	Antrim Shale (Gas)	-	-	-
	"Traverse Lime"	-	-	1
	Dundee	-	1	1
	"Reed City"	-	-	-
	Detroit River "Sour			
	Zone"	-	-	-
	Richfield	-	-	1
Silurian	Salina E Zone	-	-]**
	Salina A-1 or A-2	6	-	3
	Niagaran reef*	69	91	68
Ordovician	Trenton-Black River	1	1	-
	Prairie du Chien	-	-	-
Cambrian	(Gas shows reported i	in past	years)	

*Most reefs also have associated Salina A-1 oil or gas pays.

**This well was a dual discovery in both the Salina E Zone and the Niagaran.

D	RILLING OBJECTIVES IN MIC	HIGAN		
System	Formation or Pay	Pe	rcenta	ge
093 cem	Tormación or ray	1973	1974	1975
Pennsylvanian		-	-	-
Mississippian	"Michigan Stray Ss."	11.1	3.9	5.1
	"Berea Sandstone"	-	-	.2
Devonian	Antrim Shale (Gas)	-	-	-
	"Traverse Lime"	1.6	.9	2.6
	Dundee	3.2	3.9	4.2
	"Reed City"	1.9	1.2	1.8
	Detroit River			
	"Sour Zone" & Richfield	1.4	4.1	3.9
Silurian	Salina-Niagaran	74.1	81.0	77.0
Ordovician	Trenton-Black River	3.0	3.2	3.2
	St. Peter Ss. or			
	Prairie du Chien	3.0	1.0	1.6
Cambrian or				
Precambrian	Undifferentiated	.8	.8	.7

Total State revenues credited to 1975 and derived from royalty, rental, bonus from lease sales, and application-assignment fees amounted to \$11,452,377.97. This figure is derived from these components:

Hydrocarbon royalties

0i1											. \$5,552,448.56
											. 1,200,199.16
Gas											. 2,306,333.98
											. 422,623.60
											. 154,170.33
Shu	t-ir	iro	val	ty							. 2,059.80
	ubto			-2							\$9,637,835.43
	-										¢1 007 001 74
Renta	ls	•	•	•	•	٠	•	•	•	•	. \$1,297,691.74
Bonus						•					. 514,247.80
Appli	cati	ion-	Ass	sign	nmer	nt	fees	S			. 2,603.00
	ubto			5							\$1,814,542.54
Total	re۱	/eni	ie								\$11,452,377.97
10001	101			•	•	•	•	•	•	•	+ , ,

Oil and gas revenue figures according to year and source are found in Part 3.

* * * WELL RECORDS AND OIL AND GAS MAPS * * *

OIL AND GAS WELL RECORDS. Descriptive geological logs and drillers logs are available for over 31,200 tests, including exploratory, development, facility and other types of wells. Individual well records may be purchased at a nominal cost from the Geology Division. Electric or radiation logs of any type are not available for distribution or sale.

<u>OIL AND GAS FIELD MAPS</u>. Blueprint copies of oil and gas field maps are available for every county in the Southern Peninsula. The maps show locations of oil and gas tests but do not show geological data or structural contour lines. County map scales are 1" = 1 mile. Blueprint field maps are available for many oil and gas fields. These maps show well locations, well permit numbers, operators and lease names. They do not show geological data or structural contour lines. Field map scales are mainly 4" = 1 mile. All manuscript maps or tracings from which blueprint copies are made are posted on a regular basis. An oil and gas field maps list may be obtained from the Geology Division upon request.

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Part 2 brings together general information on Michigan's oil and gas fields, gas storage reservoirs, LPG storage facilities, gas plant operations, refinery facilities and other items.

TABLES 2, 3 and 4 list Michigan's oil and gas fields and gas storage reservoirs. The symbol on the left margin of the table indicates the official classification of fields and pools at the end of the year. Classifications may be changed as warranted. Official field names are listed alphabetically in the first column and the producing pool, or pools, are shown under the heading Producing Formation or Pool. Most fields consist of one pool with oil or gas production coming from a single reservoir within a formation. Some fields have two or more separate pools, each producing from a different formation or stratigraphic interval and at a different depth. Most multi-pool fields are associated with a common structural feature. Salina-Niagaran reef oil or gas accumulations are mostly single-pool fields. Some, however, have several separate reef reservoirs designated as Pool A, Pool B and so on. Most have been so designated by administrative action following public hearings. Also, a few of the listed fields actually consist of two or more hydrocarbon accumulations which for administrative purposes have been consolidated under one field name.

Location of fields according to township, range and sections are found at the bottom of the field block. The listed sections are those which have, or have had, producing wells assigned to the field or pool. The geographic location of fields and pools can be found by township and range on the center-spread oil and gas field map. Due to space limitations, all field names are not shown on the map.

The <u>Pay Zone</u> part of the table generally refers to data for the discovery well for the field or pool. The indicated pay thickness relates to the amount of pay opened or perforated in the discovery well and does not necessarily indicate total net or gross pay for the reservoir.

The <u>Deepest Formation or Pool Tested</u> column indicates the stratigraphically oldest formation penetrated and the deepest total depth reached beneath the field area. Data in these columns are updated periodically.

The <u>Number of Wells</u> column indicates the number of successful field wells drilled in the field to the end of the specified year, the number completed as producing wells during the specified year, the number abandoned during the year and the number of active wells at the end of the specified year.

The Drilled Acres column indicates the total number of acres assigned to the field or pool according to individual well drilling units assigned to each producing well completed in the field or pool. Except as provided by special orders covering drilling units, rules promulgated under Act No. 61, P.A. of 1939, as amended, call for a minimum 40-acre unit consisting of a governmental quarter-quarter section of land. Special Order No. 1-73 calls for basic 80-acre drilling units for Salina-Niagaran or deeper tests in specified areas of the state. These 80-acre units are formed by two governmental quarter-quarter sections of land having a common boundary of approximately 1320 feet. In past years drilling units have been 10, 20 or 40 acres for oil wells. A field may have had a 10 or 20-acre drilling unit for one pool and a 40-acre unit for a deeper formation pool. During the development of a field or pool the drilling unit size may change. Subsequent wells are assigned acreage values in accordance with the new unit size. Gas well units, especially for Michigan Stray Sandstone reservoirs, have generally been 160-acre units. Other sizes currently in use for gas wells are 40, 80, 320 and 640-acre units, or a unit size based on seismic and resservoir data. Reef reservoirs, especially in the northern reef trend, have been assigned 80, 160, 640, or a

TABLE 1	DRILLING	PERMITS, WELL	COMPLETIONS,	DRILLED FOOTAGE	BY COUNTY, 1975
				e Completions	

CUNTY FÉRITS Completed OIT Gas Dry Completed PELLS PAL Antrim 2 3 0 0 3 0 0 3 0 0 1 6.6.5 8.D.M. Explor. Devet. Fac. Antrim 2 3 0 0 1 0 0 1 6.0.0 0 1 6.0.0 0 1 0		OIL/GAS	OIL AND G	not incl AS TESTS		RESULTS	:115 01		E WELLS	TOTAL		AL DRILLE	D FOOTAGE	
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Tanistee1113858445470096180,615282,3330Mason63430400713,45218,1000Mecost52310400713,45218,1000Midland33020100313,049030**Midland33020100313,049030**Montmorency14930111007003Montmorency14930111001242,91012,1900Muskegon00110001242,91012,1900Muskegon00000011001242,91012,1900Dakland2320231000922,2252,0600Degmaw20110001014,550*6***Degmaw2011000111,4410Degmaw203300011,67200Operand	.ivingston	3	0	0	-	0	0	0	0	0	0	0	0	C
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Accoste5231040057,55911,044 $594**$ Attal3020100313,0490 $30**$ Montacl77000710825,8821,3002,279Montmorency14930111001242,91012,1900Makegon0011000250250029,588Dakland23202310001012,1900Mewaygo2700000250250029,588Dakland2320231000900924,74Opena58100900922,2252,0600Opena5810045093,9356,874*18,748*Opena510010011,55000Opena2100700721,32400Opena210010017,67200Opena3									-				-	4822 4507
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Degemaw2011000010 $4,550*$ $6**$ Desceola613004509 $3,935$ $6,874*$ $18,748*$ Desceola503218132350050 $184,930$ 97,6580Desceola2100010011,55000Desceola21000700721,32400Presque Isle970007003013,4410Roscommon203300017,67200Shiawassee11001(3)400412,1732,1520Tuscola3011000102,5850Van Buren60210100202,2840	Dakland	2			0			1					2,474	4019
Disceptia 6 1 3 0 0 4 5 0 9 3,935 6,874* 18,748** Disego 50 32 18 13 2 35 0 0 50 184,930 97,658 0 Disego 2 1 0 0 0 1 0 0 1 1,550 0 0 Presque Isle 9 7 0 0 7 0 0 7 21,324 0 0 Roscommon 2 0 3 3 0 0 0 3 0 13,441 0 Shfawassee 1 1 0 0 1(3) 4 0 0 1 7,672 0 0 St. Clair 8 3 1 0 1(3) 4 0 0 4 12,173 2,152 0 Juscola 3 0 1 1 0 0 0 1 0 2,585 0 Van Buren						-		-						2698
Disego 50 32 18 13 2 35 0 0 50 184,930 97,658 0 Distawa 2 1 0 0 0 1 0 0 1 1,550 0 0 Presque Isle 9 7 0 0 0 7 0 0 7 21,324 0 0 Roscommon 2 0 3 3 0 0 0 0 3 0 13,441 0 Shfawassee 1 1 0 0 0 1 0 0 1 7,672 0 0 Shfawassee 1 1 0 0 1(3) 4 0 0 1 7,672 0 0 St. Clair 8 3 1 0 1 0 0 0 1 0 2,152 0 Man Buren 6 0 2 1 0 1 0 0 2 0 2,284 0									-					
Dittawa 2 1 0 0 0 1 0 0 1 1,550 0 0 Presque Isle 9 7 0 0 0 7 0 0 7 21,324 0 0 Roscommon 2 0 3 3 0 0 0 0 3 0 13,441 0 Shiawassee 1 1 0 0 0 1 0 0 1 7,672 0 0 Shiawassee 1 1 0 0 1(3) 4 0 0 1 7,672 0 0 St. Clair 8 3 1 0 1(3) 4 0 0 4 12,173 2,152 0 Fuscola 3 0 1 1 0 0 0 1 0 2,585 0 Van Buren 6 0 2 1 0 1 0 0 2 0 2,284 0									-					5652
Roscommon203300003013,4410Shławassee1100010017,67200St. Clair83101(3)400412,1732,1520Fuscola30110000102,5850Van Buren60210100202,2840								-						1550
Shiawassee 1 1 0 0 0 1 0 0 1 7,672 0 0 St. Clair 8 3 1 0 1(3) 4 0 0 4 12,173 2,152 0 Tuscola 3 0 1 1 0 0 0 1 0 2,585 0 Van Buren 6 0 2 1 0 1 0 0 2 0 2,284 0	Presque Isle	9	7	0	0	0	7	0	0	7	21,324	0	0	3046
St. Clair8310 $1^{(3)}$ 400412,1732,1520Tuscola3011000102,5850Van Buren60210100202,2840	Roscommon	2	0	3	3	0	0	0	0	3	0	13,441	0	4480
St. Clair8310 $1^{(3)}$ 400412,1732,1520Tuscola3011000102,5850Van Buren60210100202,2840	Shławassee	1	1	0	0	0,	1	0	0	1	7,672		0	7672
Van Buren 6 0 2 1 0 1 0 0 2 0 2,284 0				1		1(3)	4	0	0	4		2,152	0	3581
	fuscola	3	0	1	1	0	0	0	0	1	0	2,585	0	2585
	/an Buren	6	0	2	1	0	1	0	0	2	0	2,284	0	1142
Washtenaw 0 1 0 0 0 1 0 0 1 3,450 0 0 Wexford 7 6 0 4(4) 0 3 0 0 6 33,132 0 0					$^{0}_{4}(4)$	0								3450 5522
Nexford760 4^{14} 0300633,13200Total653283250167403303805711,397,1441,124,86371,919														J322

*Includes some development footage credited to old wells drilled deeper.

**Includes some facility footage credited to old wells drilled deeper.

(1)Includes one 1974 Dry Hole completion that was reopened in 1975 and recompleted as a gas discovery.

(2)Includes one 1974 Dry Hole completion that was classified as a 1975 oil discovery.

(3)Includes one 1964 Dry Hole completion that was classified as a 1975 gas discovery.

(4)Includes one 1974 Dry Hole which was completed in 1975 as an oil discovery.

unit based on seismic data. Changes in drilling units, off-pattern wells, etc., complicate the maintenance of accurate figures during the lifetime of a given field or pool.

<u>Recovery Per Acre Drilled</u> figures for oil pools are derived by dividing the cumulative production figure by the drilled acres figure.

<u>Gas Fields, Gas-Condensate Fields</u>. Some fields are listed as "shut-in" and show no production figures. In the case of Niagaran reef fields classified as gascondensate reservoirs, virtually all those listed as shut-in at the end of 1975 were waiting pipeline construction or gas-handling facilities. Others, mainly small dry-gas reservoirs in shallower formations, are listed as shut-in because of slow field development, small reserves or lack of marketing facilities. Other fields, not considered to have commerical-size gas accumulations, produce small quantities of unmetered gas which is used for domestic purposes and in some cases, lease fuel.

GAS STORAGE RESERVOIRS. Most gas storage reservoirs were originally classified as gas fields or pools. Upon depletion or near depletion of native gas they were converted to storage reservoirs. The producing sections listed on gas storage reservoir tables do not necessarily relate to current gas storage area or boundaries. The sections or parts of sections listed are those which contained at least one producible oil or gas well assigned to the field or pool prior to conversion to gas storage operations. Further, the listed sections do not necessarily relate to potential or future gas storage area or boundary. The table listing undeveloped gas storage reservoirs has been discontinued beginning with this issue.

LPG STORAGE. Surface and underground storage facilities for liquified petroleum gas.

OIL WELL GAS. This is casinghead gas produced incidental to the production of oil from pools or fields generally classified as oil accumulations.

NATURAL GAS LIQUIDS (CONDENSATE). Natural gas liquids are those portions of reservoir gas which are liquified at the surface in lease separators, field facilities, or gas processing plants. These liquids include but are not limited to: ethane, propane, butanes, pentanes, natural gasoline and condensate. On Tables 2 and 3 of this report, condensates from Michigan gas-condensate fields are shown under the oil production column.

WELL SAMPLE SETS. Well cuttings for over 9,000 wells are available for inspection at the Geology Division, formerly Geological Survey Division, Lansing, Michigan. Samples are contained in glass vials arranged in open trays. In addition, several thousand shallow geological test samples are also available for inspection. The Division does not maintain a core collection. Other sample and core repositories, not connected with the Division, are located at:

Subsurface Laboratory, Department of Geology, The University of Michigan, Ann Arbor, Michigan.

Department of Geology, Wayne State University, Detroit, Michigan.

Department of Geology, Western Michigan University, Kalamazoo, Michigan.

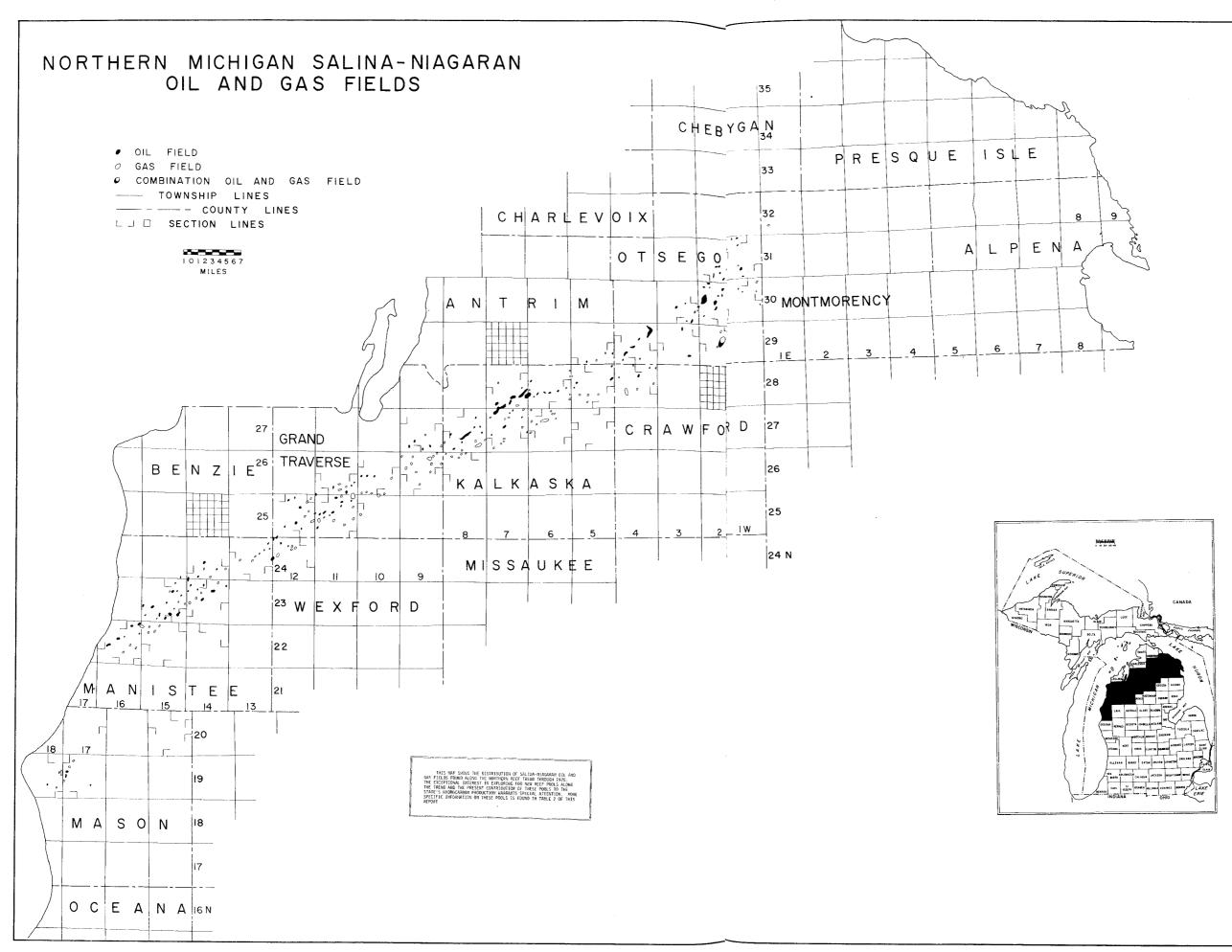
Department of Geology, Michigan State University, East Lansing, Michigan.

Department of Geology, Central Michigan University, Mt. Pleasant, Michigan.

TABLE 2 NORTHERN MICHIGAN SALINA - NIAGARAN OIL AND GAS FIELDS

		TABLE	E 2	NUKINEK		ICHIG	AN	JALINA -	NIA	GAP	AR	UIL	. ANI	D GAS	LILL	12			
-	POOL CLASSIF	ICATION	-	THE 61. POELD OP POLL		4	T.	TIVE SAS FIELD OR FOO		1	Œ.			LD GR FCOL		<u> </u>	RAGE RESERV		
			9 494	ACCARD COL CELL LA P	172 T		<u>À 10</u>	ANDONES SAS FIELD DR : T	TT		<u> </u>	ABANDONEI		ENSATE FIELD		<u> </u>	OPED GAS ST	ORAGE RESE	TOTAL
		PRODUCTING FORMATION	YEAR	COUNTY TOWNSHIP		PAY ZONE		DEEPEST FORMATION OR	N DEPTH		_	WELLS	DRILLED	OIL PRODUC		GAS PRODUCT		RECOVERY PER ACRE	BARREL BRINE
	FIELD NAME	0P	OF DISC.	PRODUCTION SECTIONS	IN I		OIL GRAVITY	POOL TESTED	FEET	10 CON 250 273	1 1	ND. ACTIN N. 167 EN	ACRES	PRODUCED	CUMULATIVE THROUGH	IN .	THROUGH	DRILLED (BSLS.)	PER DA
-		POCL			1 1	LITHOLOGY	A.P.1.		1. 0.00	· · · ·	- 1 -	5		1975	1975	1975	1975		
Q	ALPENA 12-31N-BE	A.1 CAPBONATE	1973	ALPENA	3,685	22 L		NIAGARAN	3,875	1	0	0 1	160			SHUT -	5	I	
0				ALPENA TWP., 31N	-8E, SE	CTION 12													
0	ANTRIM COUNTY				·							,	, ,						
	MANCELONA 25-29N-55	NIAGARAN REEF	1973	ANTRIM	6,449	5 D	33.6	NIAGARAN	6,764	1	0	0 1	80	66,144	72,075	19,049	20,287	901	4(
0				MANCELONA TWP	29N-5∀,	SECTION	25												
•	MANCELONA 26-29N-5%	NIAGARAN REEF	1972	ANTRIM	6,499	61 D	40.7	NIAGARAN	6,850	1	0	0 I	0 8	46,649	66,129	19,619	28,601	827	
0				MANCELONA TWP	29N-5W,	SECTION	26												
•	MANCELONA 33-29N-5W	NIAGARAN REEF	1974	ANTRIM	6,538	10 D	44.6	NIAGARAN	6,810	1	0	0 1	80	0	934	SHUT-	N	12	
ō				MANCELONA TWP	1 29N-5∀,	, SECTION	33			L									
Ř	MANCELONA	NIAGARAN REEF	1974	ANTRIM	6,580	20 D	54	NIAGARAN	6,780	1	0	0 1	80	COND.	COND.	1,356,183	,476,684	1,297	
С О	34-29N-5V			MANCELONA TWP.,	I	SECTION	34	J			1	i	1 1	93,063	103,763				
-	CRAWCORD COUNT	·v																	
	CRAWFORD COUNT	1			L. (a)				6 000	<u> </u>			[00]	1.1.1	4.14	······		e e	
	FREDERIC 1-28N-4W	NIAGARAN REEF	1975	CRAWFORD	6,604	30 D	49.8	NIAGARAN	6,880	1	<u>'</u>	0 1	80	414	414			. 1	
<u> </u>		4		FREDERIC TWP., 2	8N-4W,	SECTION 1		,					· · · ·						
	FREDERIC 2-28N-4W	NIAGARAN REEF	1973	CRAWFORD	6,390	92 D	47.0	NIAGARAN	7,019	2	0	0 2	160	114,257	114,738	129,623	129,623	717	
0				FREDERIC TWP., 2	8N-4%,	SECTION 2											····		
	FREDERIC 4-28N-4W	NIAGARAN REEF	1974	CRAWFORD	6,923	20 D	45.0	NIAGARAN	7,265	1	0	0 1	80	50,552	50,913	53,005	53,005	636	
0				FREDERIC TWP., 2	8N-4W,	SECTION 4													
	FREDERIC 7-28N-4W	NIAGARAN REEF	1973	CRAWFORD	7,000	10 D	45.6	NIAGARAN	7,161	1	0	0 1	80	0	1,429	SHUT-	IN	18	
5		L		FREDERIC TWP., 2	8N-4W,	SECTION 7	-			1			- I					1	
	FREDERIC 8-28N-4W	NIAGARAN REEF	1974	CRAWFORD	6.740	30 D	43.4	NIAGARAN	7,164	2	1	0 2	160	66,993	67,353	110,515	110,515	421	
		I	1.20	FREDERIC TWP., 2		. 1		J					1						
\leq	FREDERIC 10-28N-4W	NIAGARAN REEF	1971	CRAWEORD	6,964		45.0	NIAGARAN	7,350	2	0	0 2	160	172,209	690,615	197,351	695,100	4,316	
	PREDERIC TO-20N-4W	NTAGARAN REEF	19/1		1			MIAGANAN	7,350	2		0	100	172,209	050,015	127,121	099,100	4,516	
귄				FREDERIC TWP., 2	1 1			1	1		-1	-	1		COND.				
X	FREDERIC 13-28N-4W	NIAGARAN REEF	1972	CRAWFORD	6,789	427 D	68.4	NIAGARAN	7,470	1	0	0 1	160	0	210	SHUT -	IN	1	
2				FREDERIC TWP., 2	8N-4W,	SECTION 1	3								COMP				
X	FREDERIC 22-28N-4W	SALINA-NIAGARAN REEF	1973	CRAWFORD	6,950	289 D	65.5	NIAGARAN	7,615	1	0	0 1	160	0	COND. 189	SHUT -	IN	1	
С				FREDERIC TWP., 2	8N-4₩,	SECTION 2	2							-					
X	FREDERIC 29-28N-4W	NIAGARAN REEF	1972	CRAWFORD	7,420	71 D	50.0	NIAGARAN	7,578	1	0	0 1	160	0	COND. 760	SHUT -	IN	5	
Э				FREDERIC TWP., 2	8N-4W,	SECTION 2	9												
X	FREDERIC 29-28N-4W POOL A	NIAGARAN REEF	1973	CRAWFORD	6,907	260 D	65.0	NIAGARAN	7,535	1	0	0 1	160	0	COND.	SHUT-	IN		
<u> </u>		· · · · · · · · · · · · · · · · · · ·		FREDERIC TWP., 2	8N-4W,	SECTION 2	O APP,	C SW NE	<u> </u>		1		-li					I	
Õ	GRAND TRAVERSE	COUNTY				-										000			
	BLAIR 25-26N-11W	NIAGARAN REEF	1974	GRAND TRAVERSE	5,863	41 0	47.2	NIAGARAN	6,120	2	0	0 2	160	12,003	12,504	33,017	33,017	78	1
5				BLAIR TWP., 26N-	1	l			1.,		-1		()		-,			[
끸	BLAIR 25-26N-11W					T	_				1		T icol	10.000	12.0(2)	CR. C00	50 500		
	POOL A	NIAGARAN REEF	1974	GRAND TRAVERSE	6,225	6 D	46.2	NIAGARAN	6,423	2	0	0 2	160	12,752	13,063	58,500	58,500	82	
뀐				BLAIR TWP., 26N-	T			·····					1		COND. 1				
X	BLAIR 26-26N-11W	NIAGARAN REEF	1975	GRAND TRAVERSE	5,804	76 D	53.0	NIAGARAN	6,035	1	1	0 1	80	176	176			2	
C)				BLAIR TWP., 26N-	11W, SE	CTION 26		·····											
X	BLAIR 27-26N-11W	NIAGARAN REEF	1975	GRAND TRAVERSE	5,563	125 D	61.5	NIAGARAN	5,820	1	1	0 1	80	65	COND, 65			1	
D				BLAIR TWP., 26N-	11W, SE	CTION 27					_								
9	BLAIR 33-26N-11W	NIAGARAN REEF	1973	GRAND TRAVERSE	5,844	11 0	45.8	NIAGARAN	6,123	3	0	0 3	240	173,067	200,345	337,446	374,917	835	
D	[BLAIR TWP., 26N-	11W, SE	CTIONS 28	, 33	I					·l				·i		
X	BLAIR 34-26N-11W	NIAGARAN REEF	1970		5,826		60	CLINTON	6,316	2	0	0 2	320	COND. 5.094	COND. 23,846	225,566 1	,028,335	75	
5				BLAIR TWP., 26N-	ii			1	1		_ <u>L</u> ,	1	1	5,094	40,040	I			
4	BLAIR 25 364 114	NIAGARAN REEF	1975		, 1	58 D	45.0	NIAGARAN	6,320	1	1	0 1	160	1,445	1,445	11,178	11,178	9	
	BLAIR 35-26N-11W	ADAGARAN KEEF	(7/5)		Ll		45.0		0,520	<u> </u>	· 1	<u> </u>	1 100	1,111	1,442	, 1 / 0	.1,1/0	А	
긹				BLAIR TWP., 26N-	r 1			1	<u></u>				1 1	COND.	COND.				
X	BLAIR 36-26N-11W	NIAGARAN REEF	1972			14 D	52.0	NIAGARAN	6,405		0	0 2	320	63,502	210,783	3,684.254 7	,710,834	659	
D					I		MAYEI	ELD TWP., 25N-11W.	SECTIO	DN 1			·,				<u>-</u>	,	
17		NIAGARAN REEF	1975	GRAND TRAVERSE	5,807	32 D	67.6		6,060	1	1	0 1	80	36	COND. 36				
	GRANT 1-25N-12W	in nonital neer	1																
	GRANT 1-25N-12W			GRANT TWP., 25N-	12W, SE	CTION 1				· · · · ·									
	GRANT 1-25N-12W GRANT 3-25N-12W	NIAGARAN REEF	1974		· · · · ·	CTION 1 33 D		NIAGARAN	5.744	1	1	0 1	80	33,783	39,904	18,148	18,148	499	4
)					5,353	33 D		NIAGARAN	5.744	1	1	0 1	80	33,783	39,904	18,148	18,148	499	4
)				GRAND TRAVERSE GRANT TWP., 25N-	5,353	33 D	37.7	N I AGARAN	5,744	 		0 1		33,783	39,904 134	18,148	18,148	499	4
	GRANT 3-25N-12W	NIAGARAN REEF	1974	GRAND TRAVERSE GRANT TWP., 25N-	5,353 2W, SE 5,469	33 D CTION 3 18 D	37.7	I		 						18,148	18,148		4
	GRANT 3-25N-12W Grant 4-25N-12W	NIAGARAN REEF NIAGARAN REEF	1974	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N-	5,353 2W, SE 5,469 12W, SE	33 D CTION 3 18 D CTION 4		NIAGARAN	5,724	 	1	0 1	80	134	134	18,148	18,148		4
	GRANT 3-25N-12W	NIAGARAN REEF	1974	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE	5,353 12W, SE 5,469 12W, SE 5,634	33 D ICTION 3 18 ICTION 4 119	37.7 38.1	I		 	1	0 1	80			18,148	18,148		4
	GRANT 3-25N-12W Grant 4-25N-12W GRANT 10-25N-12W	NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1975 1975	GRAND TRAVERSE GRANI TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N-	5,353 2W, SE 5,469 2W, SE 5,634 2W, SE	33 D ICTION 3 18 D ICTION 4 119 D ICTION 10 CTION 10	38.1	N I AGARAN N I AGARAN	5,724	1	1	0 1	80	134 128	134 128 COND.				4
	GRANT 3-25N-12W Grant 4-25N-12W GRANT 10-25N-12W	NIAGARAN REEF NIAGARAN REEF	1974	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE	5,353 12W, SE 5,469 12W, SE 5,634 12W, SE 5,767	33 D ICTION 3 18 D ICTION 4 119 D ICTION 10 50 D	38.1 67.1	N I AGARAN N I AGARAN N I AGARAN	5,724 5,875 6,030	1	1	0 1	80	134 128 1.087	134 128 COND. 1.087	52,841	52,841	2	
	GRANT 3-25N-12W Grant 4-25N-12W GRANT 10-25N-12W GRANT 12-25N-12W	NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1975 1975 1975	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N-	5,353 2W, SE 5,469 2W, SE 5,634 2W, SE 5,767 2W, SE	33 D ICTION 3 I 18 D ICTION 4 I 119 D ICTION 10 50 50 D CTIONS 1,	38.1 67.1 12	NIAGARAN NIAGARAN NIAGARAN DIRECTIONAL HOLE 11-25N-12W; AND	5,724 5,875 6,030 E IN WH THE SUB	1 2 CH THE ISURFAC	1 2 SURF E LOC	0 1 0 1 0 2 ACE LOC ATLON 1	80 80 160 81 I GRA	134 128 1.087 IN GRAND ND TRAVERSE	134 128 128 1,087 RAVERSE COL COUNTY, G	52,841 INTY, GRANT XANT TOWNSH	52,841 TOWNSHIP P SECTION	2 2 7 5ECTION 12-25N-1	
	GRANT 3-25N-12W Grant 4-25N-12W GRANT 10-25N-12W	NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1975 1975	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE	5,353 12W, SE 5,469 12W, SE 5,634 12W, SE 5,767 12W, SE 5,943	33 D ICTION 3 I 18 D ICTION 4 I 119 D ICTION 10 50 D SCTIONS 1, 54 D	38.1 67.1 12 65.0	NIAGARAN NIAGARAN DIRECTIONAL HOLE 11-25N-12W; AND NIAGARAN	5,724 5,875 6,030	1 2 CH THE ISURFAC	1 2 SURF E LOC	0 1	80 80 160 81 I M GRA	134 128 1.087	134 128 128 1,087 RAVERSE COL COUNTY, G	52,841	52,841 TOWNSHIP P SECTION	2	
	GRANT 3-25N-12W Grant 4-25N-12W GRANT 10-25N-12W GRANT 12-25N-12W	NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1975 1975 1975	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N-	5,353 12W, SE 5,469 12W, SE 5,634 12W, SE 5,767 12W, SE 5,943	33 D ICTION 3 I 18 D ICTION 4 I 119 D ICTION 10 50 D SCTIONS 1, 54 D	38.1 67.1 12 65.0	NIAGARAN NIAGARAN DIRECTIONAL HOLE 11-25N-12W; AND NIAGARAN	5,724 5,875 6,030 E IN WH THE SUB	1 2 CH THE ISURFAC	1 2 SURF E LOC	0 1 0 1 0 2 ACE LOC ATLON 1	80 80 160 81 I M GRA	134 128 1,087 IN GRAND ND TRAVERSE COND	134 128 128 1,087 RAVERSE COL COND .	52,841 INTY, GRANT XANT TOWNSH	52,841 TOWNSHIP P SECTION	2 2 7 5ECTION 12-25N-1	
	GRANT 3-25N-12W Grant 4-25N-12W GRANT 10-25N-12W GRANT 12-25N-12W	NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1975 1975 1975	GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRAND TRAVERSE GRAND TRAVERSE GRAND TRAVERSE GRAND TRAVERSE GRANT TWP., 25N- GRAND TRAVERSE GRANT TWP., 25N-	5,353 12W, SE 5,469 12W, SE 5,634 12W, SE 5,767 12W, SE 5,943	33 0 CCTION 3 18 0 IR 0 1 IR 0 1 0 ICTION 4 1 19 0 0 ICTION 10 50 0 0 0 0 CTIONS 1, 54 0	38.1 67.1 12 65.0	NIAGARAN NIAGARAN DIRECTIONAL HOLE 11-25N-12W; AND NIAGARAN	5, 724 5, 875 6, 030 E IN WH THE SUE 6, 192 6, 188	1 2 CH THE SURFAC 3	1 2 SURF E LOC D	0 1 0 2 ACE LOC ATION 1 0 3 0 1	80 80 160 ATION IS 5 IN GRA 640	134 128 1,087 IN GRAND ND TRAVERSE COND. 150,867 979	134 128 128 1.087 1.087 1.087 COND. 10017Y, G5 COND. 150,915	52,841 INTY, GRANT IANT TOWNSH 4,798,267 4	52,841 TOWNSHIP P SECTION ,798,267	2 2 7 5ECTION 12-25N-1 236	

	POOL CLASSIF	ICATION	-	TIVE DIL FIELD OR POOL ANDONED CIL FIELS ON P			T)	TIVE GAS FIELD OR POOL KNEONED GAS FIELD OR P				,			D OR POOL INSATE FIELD	DE POOL	÷	TORAGE RESER		SERVO
Γ		PRODUCTING FORMATION	YEAR	COUNTY		PAY ZONE		DEEPEST FORMATION		וטא.	IBER	OF WEL	LS		DIL PRODUC	TION-BBLS.	GAS PRODUC	TIGN → M _C (RECOVERY	TO BAR
	FIELD NAME	OR POOL	OF DISC.	TOWNSHIP PRODUCING SECTIONS	1 18 1	THICKNESS AND	DIL GRAVITY	OR POOL TESTED	IN FEET	TO I END	18.1	ASAND.	VCT I VE VTI END	ACRES	PRODUCED	CUMULATIVE THROUGH	PRODUCED IN	CUMULATIVE THROUGH	PER ACRE DRILLED (BBLS.)	E E
╁	SEANT 24-25N-12W	SALINA-NIAGARA	IN 1973	GRAND TRAVERSE	ŧ	1C3 G	A.P.I. 71.0	NEAGARAN	6,413	1	0		1	169	1975 COND.	1975 COND.	1975 808,896	1975 936,883	(BBLS.) 241	-
	2442244128	REEF	1.375	GRANT TWP., 25N-1	L		71.0	11222020	0,415	1.1	l	~		100	30,135	38,625	000,090	550,005	. 241	İ
	GRANT 24-25N-12W	NIAGARAN REEF	1974	r	6.073	89 D	48.7	NIAGARAN	6,366	1	0	0	1	80	7,432	7,790	72,020	72,020	97	_
	PDGL A			GRANT TWP., 25N-1	12W, SEI		I	L		L I								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>
	GRANT 26-25N-12W	NIAGARAN REEF	1971	GRAND TRAVERSE	5,961	80 D	45.9	CLINTON	6,383	2	0	0	2	160	31,225	74,259	53,331	128,039	464	<u> </u>
1				GRANT TWP., 25N-1	1 12W, SE	CTIONS 20	5, 27	I	I		!									
	GRANT 29-25N-12W	NIAGARAN REEF	1973	GRAND TRAVERSE	5,720	82 D	44.3	NIAGARAN	6,135	5	4	0	5	400	128,746	129,032	87,632	87,632	323	Γ
				GRANT TWP., 25N-1	12W, SE	CTIONS 28	3, 29			I!.	l								1	<u> </u>
	GRANT 31-25N-12W	NIAGARAN REEF	1975	GRAND TRAVERSE	5,772	106 D		NIAGARAN	6,120	1	1	0	1	80	102	102			1	
				GRANT TWP., 25N-1	12W, SE	CTION 31		DIRECTIONAL HOLE AND THE SUBSURFA	IN WH	ICH T	HE SU	IRF ACE	LOCA ND TR	TION IS	IN WEXFOR	COUNTY, W	EXFORD TOWN P SECTION 3	ISHTP SECTI 1-25N-12W	ON 6-24N	1-1
	MAYFIELD 1-25N-11W	NIAGARAN REEF	1974	GRAND TRAVERSE	6,319	14 D	46,0	NIAGARAN	6,447	2	1	0	2	160	12,727	12,727	38,731	38,731	80	
				MAYFIELD TWP., 25	5N-11W,	SECTIONS	1,2									, , , , , , , , , , , , , , , , , , , ,				
	MAYFIELD 1-25N-11W POOL A	NIAGARAN REEF	1974	GRAND TRAVERSE	6,474	16 D	45.2	NIAGARAN	6,634	1	0	0	1	160	3,066	3,216	6,578	6,578	20	[
				MAYFIELD TWP., 25	5N-11W,	SECTION	1	RECLASSIFIED AS	A SEPA	RATE	POOL	IN 19	75							
6	MAYFIELD 3-25N-11W	NIAGARAN REEF	1973	GRAND TRAVERSE	5,940	230 D	68.0	NIAGARAN	6,424	1	0	0	1	160	COND. 1,825	COND. 27,629	252,181	1,766,261	173	
				MAYFIELD TWP., 25	5N-31W,	SECTION	3													
1	MAYFIELD 3-25N-11W PODL A	NIAGARAN REEF	1975	GRAND TRAVERSE	6,019	18 D	49.0	NIAGARAN	6,325	1	1	0	1	80	26,804	26,804	20,790	20,790	335	-
				MAYFIELD TWP., 2	5N-11W,	SECTION	3													
1	MAYFIELD 3-25N-11W POOL B	NIAGARAN REEF	1975	GRAND TRAVERSE	6,116	22 D	44.4	NIAGARAN	6,259	1	1	0	1	80	21,615	21,615	28,673	28,673	270	
				MAYFIELD TWP., 25	5N-11W,	SECTION	3													_
1	MAYFIELD 6-25N-11W	NIAGARAN REEF	1975	GRAND TRAVERSE	5,664	143 D	44	NIAGARAN	5,932	1	1	0	1	80	250	250			3	
1	MAYEIELD			MAYFIELD TWP., 2	5N-11W,	SECTION	6		,											
Ľ	MAYFIELD 10-25N-11W	NIAGARAN REEF	1974	GRAND TRAVERSE	6,283	64 D	47.8	NIAGARAN	6,442	2	1	0	2	160	95,922	96,150	155,448	155,448	601	
μ,	MAYFIELD	SALINA-NIAGARA	NT T	MAYFIELD TWP., 2	5N-11W,	SECTION	10		,	-				,	0000	C 0.00				
	12-25N-11W	REEF	1974	GRAND TRAVERSE	L	325 D	60.4	NIAGARAN	6,677	2	1	0	2	160	COND. 74	COND. 165	SHUT -	IN	1	
-	MAYFIELD			MAYFIELD TWP., 2	T				<u></u>			. ,	- 1							_
	16-25N-11W	NIAGARAN REEF	1972		6,341	68 D	47.9	NIAGARAN	6,580	3	0	0	3	240	192,222	288,197	168,758	287,564	1,201	
ļ.	MAYFIELD			MAYFIELD TWP., 2										 ,	,	,			·······	_
Ľ	16-25N-11W POOL A	NIAGARAN REEF	1974		6,228	29 D	43.5	NIAGARAN	6,525	2	0	0	2	160	153,621	215,928	87,677	131,592	1,350	
	MAYFIELD	SALINA-NIAGARA	N	MAYFIELD TWP., 2		1				<u> </u>			 _				1-0	10		
	17-25N-11W	REEF	1974	GRAND TRAVERSE		178 D	42.7	NIAGARAN	6,504	2	0	0	2	160	203,070	297,207	125,614	187,259	1,858	
1	MAYFIELD	NIACADAN 2007	1.000	MAYFIELD TWP., 2				NIACADAN	6		.1		. 1	0.01				T	<u> </u>	
+	18-25N-11W	NIAGARAN REEF	1975		5,874	17 D	45.0 18	NIAGARAN DIRECTIONAL HOLE	5,969 IN WH			0 IRF ACE	1 LOCAT	80 80	300 IN GRAND T	300 RAVERSE COL	UNTY. GRANT	TOWNSHIP	4 SECTION	
	MAYFIELD	NIAGARAN REEF	1975	MAYFIELD TWP., 25 GRAND TRAVERSE	6,198	5 D	43.2	13-25N-12W; AND 1	6,330	SURF /		OCATIO		IN GRAN	D TRAVERSE	COUNTY, M	AYFIELD TOW	NSHIP SECT	ION 18-2: 3	<u>5</u> N
1	18-25N-11W POOL A	NIAGARAN KEEF	19/5						0,330	•	<u>'</u>		<u>'</u> [00	212	212			,	
1	MAYFIELD	SALINA-NIAGARA	N 1072	GRAND TRAVERSE		183 D		NIAGARAN	6,535	2		0	2	120	COND.	COND.	116,957	116,957	144	
	19-25N-11W	REEF	1973	MAYFIELD TWP., 25			53.6 19	NTROAKAN	0,555	2			2	120	16,932	17,286	110,907	110,907	144	
1	MAYFIELD	NIAGARAN REEF	1974		6,093	96 D	45.8	NIAGARAN	6,265	1	0	0	1	80	22,883	23,191	85,804	85,804	290	_
+	19-25N-11W POOL A		10/4						0,205	Ļ	-									•
┢	MAYF1ELD 20-25N-11W	NIAGARAN REEF	1974	GRAND TRAVERSE	6,241	51 D	45.0	NIAGARAN	6,365	3	2	0	3	240	164,023	164,335	191,969	191,969	685	_
+1	20-25N-11W	NIAGARAN KEEF	19/4	MAYFIELD TWP., 25		1		NIADANAN	0,305	,	2	<u> </u>		240	104,025	104,555		191,909		
1	MAYFIELD	SALINA-NIAGARA	N 1974			428 D	66.5	NIAGARAN	6,608	1	0	0	1	240	COND.	COND. 192,148	2,162,270	2,162.270	801	
12	21-25N-11W	REEF	19/4	MAYFIELD TWP., 25		1			-,000	. 1	Ĭ	Ŭ.	. 1		191,674	192,148	_,	_,,2,0		
	MAYFIELD	NIAGARAN REEF	1973			153 D	65.7	NIAGARAN	6,783	2	0	0	2	240	COND. 4,807	COND.	46,240	46,240	21	
1	24-25N-11W			MAYFIELD TWP., 25						-	-1		-		4,807	5,063		-,		
	MAYFIELD	NIAGARAN REEF	1974			169 D	65.0	NIAGARAN	6,756	1	0	0	1	80		COND.	SHUT-	IN	1	-
f	26-25N-11W		1.274	MAYFIELD TWP., 25						1	1				0	103]		
h	MAYFIELD 30-25N-11W	NIAGARAN REEF	1973		6,329		45.5	NIAGARAN	6,630	īŢ	0	0	1	80	10,457	14,906	160,276	204,060	186	
F	JU-23H-11#			MAYFIELD TWP., 25					i	l.		l.	I					· · ·		_
					,															
F	PARADISE 3-25N-10W	NIAGARAN REEF	1975	GRAND TRAVERSE	6,519	183 D	67	NIAGARAN	6,890	1	1	0	1	160	101	COND. 101	1	1	1	-
Ľ				PARADISE TWP., 25					<u>1</u>			I			1	101	1	I	I	
F	PARADISE 18-25N-10W	NIAGARAN REEF	1973			102 0	65.8	NIAGARAN	6,841	1	0	0	1	80			SHUT -	IN		
F 1			1	PARADISE TWP., 25					i		-		1	1	1				1	-
	PARADISE 19-26N-10W	SALINA-NIAGARA REEF	1975			102 D		NIAGARAN	6,034	1	1	0	1	80	181	181	1		2	-
				PARADISE TWP., 26			l			L			1	1	1		(1.	
F	PARADISE 20-26N-10W	NIAGARAN REEF	1975		6,027	25 D	57?	NIAGARAN	6,252	1	1	0	1	80	118	118		Т	1	
ť				PARADISE TWP., 26	L.				· · · 1			L				1	l.	l	i	
	PARADISE 21-26N-10W	NIAGARAN REEF	1975		5,848	6 D	40	NIAGARAN	6,198	1	1	0	1	80	692	692			9	-
f				PARADISE TWP., 26								-	• 1	1	\$72		I		2	-
P 2	PARADISE 23-26N-10W	NIAGARAN REEF	1974		6,310	27 D	70.5	NIAGARAN	6,588	2	1	0	2	160	COND. 48,865	COND. 48,955	870,002	870,002	306	
ŕ				PARADISE TWP., 26		· · · · · ·						- 1	- 1		-10,005	-0,955	1,0,002	-,0,002		
	ARADISE	SALINA-NIAGARA	N		1							1	1		COND.	COND.				-
	31-26N-10W	REEF	1974	GRAND TRAVERSE	6,257	97 D	68.4	NIAGARAN	6,534	1	0	0	11	80	5,732	5,860	63,834	63,834	73	



[[- POOL CLASSIF	CATION	-,	NE GIL FIELD OF POOL NICHER CIL FIELD OF 1			T.	IVE GAS FIELD DR POOL NEONED GAS FIELD OF F			T)			D GR POGL NSATE FIELD (F 763L	Ŷ	ORAGE RESERV		P1518
[PRODUCING	YEAR	COUNTY	T	PAY ZONE		DEEPEST FORMATION	DEPTH	L - '	R OF WE	LLS		IL PRODUCT	10% - BBLS.	GAS PRODUCT		RECOVERY	TOTAL SARRELS
¥	FIELD NAME	FORMATION OR POOL	OF DISC.	TÖWNSHIP FROLICING SECTIONS	3.8		01L GRAVITY A.P.I.	GR POOL TESTED	IN FEET	16 COMP END IN 1	1.11		ACRES	18 1975	CUMULATIVE THROUGH 1975	PRODUCED IH 1975	CUHULATIVE Through 1975	PER ACRE DRILLED (BBLS.)	BRINE PER DAY
X O	24840155 32-26N-10W	NIAGARAN REEF	1974	GRAND TRAVERSE PARADISE TWP., 2	6,087	231 C SECTION	6C.0 32	NIAGERAN	6,582	1 0	0	1	80	COND. 1,318	COND. 1, <u>517</u>	25,118	25,118	19	
거	PAR4015E 33-26N-10v	NTAGARAN REEF	1975	SRAND TRAVERSE PARASISE TWP., 2	6,093	202 D	66.5	NEAGARAN	6,627	1 1	0	1	28	90	CONE. ES			1	
	PARACISE 34-26N-10W	NIAGARAN REEF	1975	GRAND TRAVERSE	1 1	236 D	7C	NIAGARAN	6,808	1 1	0	1	80			SHUT-I	N		
0 X	UNION 1-26N-3W	NIAGARAN REEF	1972	GRAND TRAVERSE	6N-10W,	SECTION 78 D	34	NTAGARAN	6,865	1 0	o c	1	160	CON5. 12,151	COND, 25,259	1,242,760	1,851,431	158	
í O X	UNION 2-26N-9W	NIAGARAN REEF	1974	UNION TWP., 26N- GRAND TRAVERSE	9W, SEC	TION 1 80 D	61.0	NTAGARAN	6,744		1								
X	CR104 2+20N-54	NTOGONON NEED	1.271	UNION TWP., 26N-	1	TION 2		CONSOLIDATED WIT		3-26N-	-9w 1N	1975	SEE L	NION 3-26N	-9W BELOW				
ă	UNION 3-26N-9W	NIAGARAN REEF	1972	GRAND TRAVERSE	6,514	14 D	62.3	NIAGARAN	6,878	4 (0 0	ų	560	COND. 8,191	COND. 8,514	199,588	199,588	15	
0				UNION TWP., 26N	9W, SEC	TIONS 2,	3, 11					1		COND.	COND.				
X 0	UNION 5-26N-9W	NIAGARAN REEF	1973	GRAND TRAVERSE	6,070 9W. SEC	19 D	68.2	NIAGARAN	6,440	1 1	0	1	80	34,549	57,749	820,674	1,364,891	722	
Ř	UNION 6-26N-9W	SALINA-NIAGARAN REEF	1974	GRAND TRAVERSE	5,936		64.5	NIAGARAN	6,475	1 0	0 0	1	80	114	COND. 114	42,407	42,407	1	
<u>S</u>	UNION 8-26N-9W		1.070	UNION TWP., 26N GRAND TRAVERSE	T. 1		67.6	NIAGARAN	6,666	1	0 0		160	COND.	COND.	1,520,431	4.442.504	391	
X O	(MUNCIE LAKES)	NIAGARAN REEF	1970	UNION TWP., 26N	6,267 -9W, SEC	97 D TION 8	63.6		10,000	·····	· I	↓≟ ••		15,036	62,586			·	
X O	UNION 11-26N-9W	NIAGARAN REEF	1972	GRAND TRAVERSE	6,580 -9W, SEC		61.0	NIAGARAN	6,802	1 (0 0	1	160	COND. 12,591	COND, 12,878	296,406	296,406	80	
Ř	UNION 12-26N-9W (SOUTH BOARDMAN)	NIAGARAN REEF	1969	GRAND TRAVERSE	6,779	50 D	57.9	NIAGARAN	6,922	2	1 0	2	320	0	COND. 3,936	0	81,081	12	
0 X	UNION 14-26N-9W	NIAGARAN REEF	1973	UNION TWP., 26N GRAND TRAVERSE	-9W, SEC	24 D	59.0	NIAGARAN	6,860	1	0 0	1	160	0	COND. 75	SHUT - I	N		
ф М	UNION 16-26N-9W	NIAGARAN REEF	1975	UNION TWP., 26N GRAND TRAVERSE	-9W, SEC		58.0	NIAGARAN	6,716	1	1 0	1	80			SHUT -	N		
Ó		L		UNION TWP., 26N	-9W, SE(TION 16	L	I			-			COND.	COND,	04 543	100 207	54	
X X C	UNION 18-26N-9W	NIAGARAN REEF	1973	GRAND TRAVERSE UNION TWP., 26N	6,298 -9W, SEC	14 D TION 18	59.3	NIAGARAN	6,471	1	0 0	1	80	1,365	4,329	94,543	198,307	54	
÷.	UNION 28-26N-9W	NIAGARAN REEF	1975	GRAND TRAVERSE	Internet	105 D	51.0	NIAGARAN	7,062	1	1 0	1	80			SHUT -	N		
0 X	WHITEWATER 22-27N-9W	NIAGARAN REEF	1973	UNION TWP., 26N GRAND TRAVERSE	-9W, SE(CTION 28		NIAGARAN		1	0 0	1	80	COND. 3	COND. 8,731			109	
0	WHITEWATER	NIAGARAN REEF	1975	WHITEWATER TWP. GRAND TRAVERSE	, 27N-94	4, SECTION 22 D	43.8	NIAGARAN	6,310	1	1 0	1	80	7,594	7,594	5,578	5,578	95	
0	28-27N-9W	1		WHITEWATER TWP.		N, SECTION	N 28	NIAGARAN	6,260	2	0 0	2	160	189,070	365,742	152,413	266,600	2,286	120
	32-27N-9W	NIAGARAN REEF	1972	GRAND TRAVERSE	6,100 , 27N-9		1	IN FAGARAN	10,200		<u> </u>			,	,,.			1	
•	WHITEWATER 34-27N-9W	NIAGARAN REEF	1972	GRAND TRAVERSE WHITEWATER TWP.	6,292	16 D	44.9 N 34	NIAGARAN	6,580	1	0 0	1	80	11,368	54,258		3,482	678	50
•	WHITEWATER 35-27N-9W	NIAGARAN REEF	1972		6,270	1	39	NIAGARAN	6,770	1	0 0	1	80	27,185	106,065	946	6,882	1,326	109
8	WHITEWATER		1071	WHITEWATER TWP. GRAND TRAVERSE	, 27N-9	r	N 35 66	NIAGARAN	6,750		0 0	1	40	COND. 640	COND. 63,898	619.084	5,117,310	1,597	
Ф О	36-27N-9W	NIAGARAN REEF	1971	WHITEWATER TWP.		·	1	мтацаван	10,750			1		010	0,0,0			1 / / /	l
0	KALKASKA COUN	1		[10.10	<u> </u>	1	NUMBER	6 00-		0 0		160	120 000	583,545	42,859	153,712	3,647	135
• 0	1-28N-5W	NIAGARAN REEF	1971	BLUE LAKE TWP.,	6,481 28N-5W	43 D , SECTION	43.0	NIAGARAN	6,980	2	0 0	2	160	139,880	202,545	1 42,059	, , , , , , , , , , , , , , , , , , , ,	1 2,04/	1 135
•	BLUE LAKE 12-28N-5W	NIAGARAN REEF	1971	KALKASKA BLUE LAKE TWP	6,852 28N-5W		45.0 \$ 12. 1	NI AGARAN	7,079	1	0 0	1	40	0	14,354	0	55,139	120	
Ř	BLUE LAKE 13-28N-5W	SALINA-NIAGARAN REEF	N 1973	T	6,600	1	43	NIAGARAN	7,325	ī	0 0	1	80	PRODUCTI	ON COMBINE	D WITH BLUE	LAKE 12		
0	BLUE LAKE	NIAGARAN REEF	1975	BLUE LAKE TWP., KALKASKA	28N-5W	, SECTION	13	NIAGARAN	7,186	1	1 0	1	80	37,807	37,807	19,564	19,564	473	
• 0	18-28N-5W	ATAGADAN KEEP		BLUE LAKE TWP.,		, SECTION	1			1 1						1	1	1	T
•	BLUE LAKE 19-28N-5W	NIAGARAN REEF	1974	KALKASKA BLUE LAKE TWP.,	6,920 28N-5W		45.3 19	NIAGARAN	7,115	1	0 0	1	80	113,748	124,305	83,057	89,065	1,554	I
X	BLUE LAKE 27-28N-5W	NIAGARAN REEF	1972	KALKASKA	7,131	37 D	64.4	NIAGARAN	7,350	1	0 0	1	160	44,251	COND, 44,480	1,617,021	1,617,021	278	
0	BLUE LAKE 28-28N-5W	NIAGARAN REEF	1970	BLUE LAKE TWP., KALKASKA	28N-5W	SECTION 30 D	27 60	CLINTON	7,450	1	0 0	ĩ	160	COND. 1,874	COND. 56,915	411,510	2,665,952	356	
0	BLUE LAKE	NIAGARAN REEF	1974	BLUE LAKE TWP., KALKASKA	28N-5W		1	NIAGARAN	7,320	1	0 0	1	80	COND. 6,314	COND. 10,976	506,326	616,476	137	
Ó		NINGARAN KEET		BLUE LAKE TWP.,						1 I		-)) 				1	· · · · · ·	1	1
NA C	BLUE LAKE 33-28N-5W	LOWER NIAGARAN	1971	BLUE LAKE TWP.,	28N-5W	· · · · ·	33	CLINTON	7,610	1	0 0	1	160	COND. 1,025	COND, 8,096	106,836	615,238	51	I
X	BOARDMAN 3-26N-8W	NIAGARAN REEF	1973	KALKASKA	6,570	60 D	53.4	NIAGARAN	6,980	1	0 0	1	80	0	COND. 178	SHUT -	(N	2	
0	BOARDMAN 6-26N-8W	NIAGARAN REEF	1973	T	26N-8W, 6,477	SECTION 180 D	3 46.1	NIAGARAN	6,975	1	0 0	1	80	17,756	26,409	7,502	13,681	330	6
0				BOARDMAN TWP.,		J 4	6												

and the second

FIELD NAME UTH EDARDMAN UNIT UNIT LD SPRINGS 28N-6W LD SPRINGS -28N-6W	PRODUCING FORMATION OR POOL NIAGGARAN REEF POOL A NIAGGARAN REEF POOL S NIAGGARAN REEF SALINA-NIAGARAN REEF SALINA-NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	YEAR OF 01SC. 1971 1971 1972 1973 1973 1974 1974 1977 1977	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	IN 6,616 6,778 6,450 6,578 -,28N 6,564 -,28N 6,364 -,28N 6,364 -,28N 6,364 -,28N 6,364 -,28N	SECTIONS 194 D -6W, SECT 296 D -6W, SECT 38 D -6W, SECT 8 D	01L GRAVITY A.P.1. 65.7 4,5 61.0 10N 1;1 66.8 10N 12; 10NS 7,	DEEPEST FORMATION OR POOL TESTED CLINTON NIAGARAN BLUE LAKE TWP., 28 NIAGARAN BLUE LAKE TWP., 2 NIAGARAN	IN FEET 6,990 6,990 6,950 N-5W, 6,970	TO ENC 1 1 1 1 1 1 2 SECTI 2	COMP. 4 13: 1 9 0 0 0		CTIVE T LND 1 1 1 2	DRILLED ACRES 160 160 160	COND. COND. 1975 COND. 19,783 COND. 160,245 COND.	TION - BBLS. CUMULATIVE THROUGH 1975 COND, 103,374 COND, 195,683 COND,	PRODUCTION ARE COMBIN	CUHULATIVE THROUGH 1975 KEOR POOLS KED 2,372,724 3,618,724	RECOVERY PER ACRE DRILLED (BBLS) .A, B, 215 1,223	E C
UNIT LD SPRINGS 28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W	NIAGGRAN REEF POOL A NIAGARAN REEF POOL B NIAGARAN REEF SALINA-NIAGARAN REEF SALINA-NIAGARAN REEF SALINA-NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1971 1972 1973 1973 1974 1971 1973	KALKASKA BOARDMAN TWP., 2 KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6,616 6,778 6,450 6,578 6,578 6,578 6,564 6,564 6,364 ., 28N 6,364 ., 28N 6,596	110 D 38 D 290 D SECTIONS 194 D -6W, SECT 296 D -6W, SECT 38 D -6W, SECT 8 D	65.7 4,5 61.0 10N 1;1 66.8 10N 12; 10NS 7,	NIAGARAN BLUE LAKE TWP., 28 NIAGARAN BLUE LAKE TWP., 2 NIAGARAN	6,950 N-5W, 6,970 8N-5w,	1 1 2 SECTI	0 0 0 0 0 0 0	0	1	160 160 160	COND. 19,783 COND. 160,245	COND. 103,374 COND. 195,683	PRODUCTION ARE COMBIN 693,462	4 FOR POOLS IED 2,372,724 3,618,724	215	
28N-6W LD SPRINGS -28N-6W	POOL B NI ACGARAN REEF POOL C SALINA - NI AGARAN REEF SALINA - NI AGARAN REEF SALINA - NI AGARAN REEF NI AGARAN REEF NI AGARAN REEF	1972 1973 1973 1974 1974 1971	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6,450 6N-8N 6,578 6,578 6,564 7,28N 6,364 7,28N 6,364 6,364 6,364 7,28N	290 D SECTIONS 194 D -6W, SECT 296 D -6W, SECT 38 D -6W, SECT 8 D	4, 5 61.0 10N 1; 1 66.8 10N 12; 10NS 7,	BLUE LAKE TWP., 28 NIAGARAN BLUE LAKE TWP., 2 NIAGARAN	6,970 8N-5W,	1 2 SECTI	0 0 0N 6	0	1	160	19,783 COND. 160,245	103,374 COND. 195,683	ARE COMBIN 693,462	1ED 2,372,724 3,618,724	215	·[
28N-6W LD SPRINGS -28N-6W	POGL C SALINA - NI AGARAN REEF SALINA - NI AGARAN REEF SALINA - NI AGARAN REEF NI AGARAN REEF NI AGARAN REEF	1973 1973 1974 1971 1973	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6N-8W 6,578 6,578 6,564 6,564 6,364 7,28N 6,364 6,596	SECTIONS 194 D -6W, SECT 296 D -6W, SECT 38 D -6W, SECT 8 D	61.0 10N 1; 1 66.8 10N 12;	BLUE LAKE TWP., 28 NIAGARAN BLUE LAKE TWP., 2 NIAGARAN	6,970 8N-5W,	2 SECTI	0 DN 6	0	2	160	19,783 COND. 160,245	103,374 COND. 195,683	l	3,618,724		.L
28N-6W LD SPRINGS -28N-6W	REEF SALINA-NIAGARAN REEF SALINA-NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1973 1973 1974 1974 1971	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6,578 , 28N 6,564 , 28N 6,364 , 28N 6,596 , 28N	194 D -6W, SECT 296 D -6W, SECT 38 D -6W, SECT 8 D	61.0 10N 1; 1 66.8 10N 12;	BLUE LAKE TWP., 28 NIAGARAN BLUE LAKE TWP., 2 NIAGARAN	6,970 8N-5W,	SECTI	ON 6		1		160,245	195,683	3,102,185		1,223	
LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W LD SPRINGS -28N-6W	SALINA-NIAGARAN REEF SALINA-NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1971 1973	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6,564 ., 28N 6,364 ., 28N 6,596 ., 28N	296 D -6W, SECT 38 D -6W, SECT 8 D	66.8 ION 12; IONS 7,	NIAGARAN BLUE LAKE TWP., 2 NIAGARAN	6,970 8N-5W,	2		0						11 128 690		1
-28N-6W ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W	REEF SALINA-NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1974 1971 1973	COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	., 28N 6,364 ., 28N 6,596 ., 28N	-6W, SECT 38 D -6W, SECT 8 D	ION 12;	BLUE LAKE TWP., 2 NIAGARAN	8N-5W,	ll	0	0	<u>,</u>	1	COND	COND		11 128 490		
- 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS	REEF NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1971	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6,364 ., 28N 6,596 ., 28N	38 D -6W, SECT 8 D	10NS 7,	NIAGARAN	1	SECT		1	2	320	128,124	372,355	6,067,628	. 1, 190,000		
- 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS - 28N-6W ILD SPRINGS	REEF NIAGARAN REEF NIAGARAN REEF NIAGARAN REEF	1971	COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	., 28N 6,596 ., 28N	-6W, SECT 8 D	T			<u> </u>	10N 7						T			.
- 28N - 6W ILD SPRINGS - 28N - 6W POOL A ILD SPRINGS - 28N - 6W ILD SPRINGS - 28N - 6W ILD SPRINGS - 28N - 6W ILD SPRINGS	NIAGARAN REEF	1973	KALKASKA COLD SPRINGS TWP KALKASKA COLD SPRINGS TWP	6,596 ., 28N	8 D	T		0,073	2	1	0	2	240	2,035	2,035]		8	
LD SPRINGS -28N-6W POOL A ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W ILD SPRINGS -28N-6W ILD SPRINGS	NIAGARAN REEF	1973	KALKASKA COLD SPRINGS TWP	., 28N	-6W, SECT	44.9	CLINTON	7,036	5	D	0	5	400	87,102	317,729	530,150	1,354,577	794	Г
28N-6W POOL A ILD SPRINGS 28N-6W ILD SPRINGS 28N-6W ILD SPRINGS 28N-6W ILD SPRINGS	NIAGARAN REEF		COLD SPRINGS TWP	6,628		1	, 30; RAPID RIVER	Τ₩₽.,	28N-7	'W, SE	CTION	\$ 24,	25			I		I	L
) - 28N - 6W ILD SPR I NGS - 28N - 6W ILD SPR I NGS I- 28N - 6W ILD SPR I NGS	1	1971			14 D	44.3	NIAGARAN	6,767	1	0	0	1	80	15,405	30,397	84,736	142,795	380	
) - 28N - 6W ILD SPR I NGS - 28N - 6W ILD SPR I NGS I- 28N - 6W ILD SPR I NGS	1	1971		., 28N		10N 19	r. <u> </u>												T
-28N-6W NLD SPRINGS -28N-6W NLD SPRINGS	NIAGARAN REEF		KALKASKA	6,737		41.0	NIAGARAN	6,970	2	0	0	2	160	179,406	451,543	308,578	670,547	2,822	L
ULD SPRINGS - 28N-6W DLD SPRINGS		1970	COLD SPRINGS TWP KALKASKA	6,764	-6W, SECI 45 D	45.6	CLINTON	7,315	2	0	1	1	160	1,742	89,130	3,168	92,123	557	T
-28N-6W			COLD SPRINGS TWP	,		1	1		L i			l			l				L
0LD SPR1NGS 1-28N-6W	NIAGARAN REEF	1974	KALKASKA	6,970	20 D	44.4	NIAGARAN	7,218	2	1	0	2	160	3,823	4,438	2,330	2,330	28	•
110 SPRINGS -28N-6W			COLD SPRINGS TWP	., 28N	-6W, SECT	10NS 22	, 23							6000 I	0010				-
	SALINA-NIAGARAN REEF	1974	KALKASKA	6,760		55.4	NIAGARAN	7,212	1	0	0	1	80	COND. 16,267	COND. 18,145	166,714	188,958	227	
DLD_SPRINGS	NIACADAN RECE	1971	COLD SPRINGS TWP			1	NIAGARAN	7 383		ABANI	DONED	1975	160		COND.	0	37,188	6	Ţ
-28N-6W		1.0/1						1,,,,,,	1					9	936	1	,,,		1
DLD SPRINGS -28N-6W POOL A	NIAGARAN REEF	1972	KALKASKA	6,950	10 D		NIAGARAN	7,365	1	0	0	1	80	49,136	118,791	73,780	138,103	1,485	ſ
			COLD SPRINGS TWP	P., 28N	-6W, SECT	TION 25										,			-
	NIAGARAN REEF	1975	KALKASKA			43.6	NIAGARAN	7,150	1	1	0	1	80	610	610			8	1
DLD SPRINGS		11071		1			NIACADAN	6 969		1		2	120	72 481	72 810	138 081	128 081	615	Т
)-28N-6W	NTAGAKAN KEEF	19/4	1		1		MAGANAN	0,050	1 -	<u>'</u>	1	2	120	73,403	75,015			L	L
	NIAGARAN REEF	1973	KALKASKA	7,211	10 D	64.0	NIAGARAN	7,402	2 2	0	0	2	320		COND. 53	SHUT - I	I N		Γ
	4	4	EXCELSION TWP.,	27N-6W	, SECTION	4 3													_
CELSIOR 27N-6W POOL A	NIAGARAN REEF	1973	KALKASKA	6,952		71.5	NIAGARAN	7,346	1	0	0	1	160			SHUT - 1	1 N		
CELSIOR	1			1			1	12.120					240	COND	COND.	1 408 141	6 171 510	000	Ţ
-27N-6W	NIAGARAN REEF	1973		1	1	1	1		1			2	240	131,436	215,529	4,490,141	0,1/1,5+2	090	1
CELSIOR	NIAGARAN REEF	1973	· · · · · · · · · · · · · · · · · · ·	6,987	1	63.8	NIAGARAN	1	1 1	0	0	1	80	0	COND. 21	SHUT -	IN		Г
2/11-01	J	1	EXCELSIOR TWP,,	27N-6W	, SECTIO	v 18	DIRECTIONAL HOLE LOCATION IS 7-2	E IN WH 7N-6W	tich 1	THE SU	URF ACE	LOCA	TION IS	18-27N-6W	AND THE SU	BSURFACE			
(CELSIOR -27N-6W	NIAGARAN REEF	1972	KALKASKA	7,034	47 D		NIAGARAN	7,526	5 3	0	0	3	480	554	COND. 1,090	186,433	186,433	2	1
				1		T ::			r		<u> </u>				COND				
-27N-6W	NIAGARAN REEF	1973		1			NIAGARAN	7,365		0	0	1	160	0	203	SHU1-I	N		
CELSIOR	NIAGARAN REFE	1975	· · · · · · · · · · · · · · · · · · ·	1	1	1	NIAGARAN	7.288	1	1	0	1	80	34	COND.	· · · · · ·			Г
-27N-6W	1				1	1	l									I		}	<u>.</u>
LKASKA 27N-7W	NIAGARAN REEF	1974	KALKASKA	6,693	20 D	65.0	NIAGARAN	6,784	1	0	0	1	160	17,732	COND. 17,732	625,377	625,377	111	
			KALKASKA TWP., 2	7N-7W,	SECTION	1	,									r			-
	REEF	1973	KALKASKA	1		42.7	NIAGARAN	6,850		0	0	1	160	21,374	50,309	177,900	353,391	314	1
LKASKA	SALINA-NIAGARAN	1973		· · ·			NEAGARAN	6.888	1	0	0	1	80	38,000	89,772	92,888	216,017	1,122	T
27N-7W POOL A	REEF		L		L			1					l					1	-l
LKASKA 27N-7W	NIAGARAN REEF	1970	KALKASKA	6,314	68 D	41.5	CLINTON	6,921	5	0	0	5	400	148,307	641,182	156,730	483,472	1,604	1
			KALKASKA TWP., 2	7N-7W,	SECTIONS	5, 6;	RAPID RIVER TWP.,	28N-7W	I, SEC	TION	32	_				r			-
LKASKA 27N-7W	NIAGARAN REEF	1972	L				NIAGARAN	6,662	1	0	0	1	80	17,428	71,610	14,255	51,401	895	1
ALKASKA	NEAGADAN DEEE	1070		1		· · · · ·	NIAGARAN	6 820	1	n	01	1	160	17.522	COND.	333,135	333.135	110	Т
-27N-7W	L NIAGAKAN REEF	19/2		1	1			1,050			- 1		.50	.,,,,,)	17,668			L	T
ULKASKA D-27N-7W	NIAGARAN REEF	1972	r	T	1	64.0	NIAGARAN	6,859	1	0	0	1	320	COND. 28,132	COND. 76,072	1,161,689	2,383,623	238	٢
	4			27N-7W,	SECTION	10		·····	I	·									
ALKASKA 2-27N-7W	NIAGARAN REEF	1972	KALKASKA	6,883	19 D		NIAGARAN	7,009	1	0	0	1	80	3,016	14,920	0	10,788	187	
			· · · · · · · · · · · · · · · · · · ·	1			1	1.	1.1				<u> </u>	COND	COND.	6-0 - f	1 010		Ţ
	NIAGARAN REEF	1972			1		NIAGARAN	7,225	1	0	0	1	240	25,392	52,736	908,167	1,549,021	220	1
LKASKA	NIAGARAN DEEF	1072		1	1	1	NIAGARAN	7.07	7 1	0	0	1	40	456	1,076	SHUT-	IN	27	1
o-27N-7₩	L				1	1		-	1				l					1	4
	>LD. SPR I MGS >-28N - 6W >DLD. SPR I MGS >-28N - 6W >-28N - 6W VID. SPR I MGS >-28N - 6W >27N - 6W VCELSI DR -27N - 6W VCELSI OR -27N - 7W NLKASKA 27N - 7W	- 28N-6W NIAGARAN REEF SLD SPRINGS - 28N-6W POOL A NIAGARAN REEF SLD SPRINGS NIAGARAN REEF SLD SPRINGS NIAGARAN REEF SLD SPRINGS NIAGARAN REEF SLD SPRINGS NIAGARAN REEF CELSIOR NIAGARAN REEF LIKASKA SLA SALINA-NIAGARAN REEF LIKASKA SALINA-NIAGARAN REEF LIKASKA NIAGARAN REEF	-28N-6W NI AGARAN REEF 1971 SLD_SPRINGS NI AGARAN REEF 1972 SLD_SPRINGS NI AGARAN REEF 1975 SLD_SPRINGS NI AGARAN REEF 1973 KCELSIOR NI AGARAN REEF 1974 CELSIOR NI AGARAN REEF 1974 CELSIOR NI AGARAN REEF 1974 CELSIOR NI AGARAN REEF 1974 LLKASKA SALINA-NI AGARAN REEF 1974 LLKASKA SALINA-NI AGARAN REEF 1972 LKASKA SALINA-NI AGARAN REEF 1972 LKASKA SALINA-NI AGARAN REEF 1972 LKASKA<	-28N-6W NIAGARAN REEF 19/1 KALKASKA COLD SPRINGS -28N-6W POOL A NIAGARAN REEF 1972 KALKASKA COLD SPRINGS TWF JLD SPRINGS -28N-6W NIAGARAN REEF 1975 KALKASKA COLD SPRINGS TWF COLD SPRINGS TWF CO	-28N-6W MIADARAN REEF 1971 KALKASKA [0,790 COLD SPRINGS TWP., 28N COLD SPRINGS TWP., 27N-6M COLD SPRINGS TWP., 27N-6M COLD SPRINGS TWP., 27N-6M COLD SPRINGS TWP., 27N-6M COLSIOR NIAGARAN REEF 1973 KALKASKA 6,987 227N-6M EXCELSIOR NIAGARAN REEF 1973 KALKASKA 6,987 COLSIOR NIAGARAN REEF 1973 KALKASKA 7,031 EXCELSIOR NIAGARAN REEF 1973 KALKASKA 7,034 CCELSIOR NIAGARAN REEF 1973 KALKASKA 7,031 EXCELSIOR NIAGARAN REEF 1973 KALKASKA 7,034 CCELSIOR NIAGARAN REEF 1973 KALKASKA 7,034 CCELSIOR NIAGARAN REEF 1973 KALKASKA 7,034 CCELSIOR NIAGARAN REEF 1974 KALKASKA 7,034 CCELSIOR NIAGARAN REEF 1975 KALKASKA 7,034 CCELSIOR NIAGARAN REEF 1974 KALKASKA 6,633 CN CALKASKA TWP., 27N-7W CCELSIOR NIAGARAN REEF 1974 KALKASKA 6,633 CN CALKASKA 7,037 CLKASKA 227N-7W POOL A SALINA-NIAGARAN 1973 KALKASKA TWP., 27N-7W, LKASKA 227N-7W NIAGARAN REEF 1972 KALKASKA TWP., 27N-7W, ALKASKA TWP., 27N-7W, NIAGARAN	-28N-6W INIAGARAN REEF 1971 KALKASKA 0.75N 324 0 COLD SPRINGS COLD SPRINGS TMP., 28N-6W, SECT COLD SPRINGS NIAGARAN REEF 1972 KALKASKA 6,790 10 D D COLD SPRINGS NIAGARAN REEF 1975 KALKASKA 6,790 10 D D COLD SPRINGS NIAGARAN REEF 1975 KALKASKA 6,719 39 D COLD SPRINGS NIAGARAN REEF 1973 KALKASKA 6,719 39 D COLD SPRINGS NIAGARAN REEF 1973 KALKASKA 6,752 139 D COLD SPRINGS NIAGARAN REEF 1973 KALKASKA 6,952 139 D CCELSIOR NIAGARAN REEF 1973 KALKASKA 6,952 139 D CZELSIOR NIAGARAN REEF 1973 KALKASKA 6,952 139 D CZELSIOR NIAGARAN REEF 1973 KALKASKA 6,952 139 D CZELSIOR NIAGARAN REEF 1973 KALKASKA 6,740 105 D <	:288-64 NTADARAN REEP 1971 RALASAGA 0.7.3 54.0 0.7.3 S28L-64 COLD SPRINGS TWP., 28N-64, SECTION 25 S28L-64 COLD SPRINGS 10 0 S28L-64 COLD SPRINGS 10 0 45.6 S28L-64 COLD SPRINGS S28L-64, SECTION 25 25.2 28N-64, SECTION 25 S28L-64 NIAGARAN REEF 1975 KALKASKA 6,790 10 0 43.6 S28L-56N NIAGARAN REEF 1975 KALKASKA 6,719 39 0 44.4 COLD SPRINGS -28N-64 SECTION 30 27N-64 SECTION 30 27N-64 SECTION 30 CCELSIOR NIAGARAN REEF 1973 KALKASKA 6,952 139 0 71.5 CCELSIOR NIAGARAN REEF 1973 KALKASKA 6,957 10 5 66.0 27N-64 NIAGARAN REEF 1973 KALKASKA 6,987 27 63.8 27N-64 NIAGARAN REEF 1973 KALKASKA 7,034 47 0 5.2 CELSIOR	Induction Test Process Display Display <thdisplay< th=""> Display Display</thdisplay<>	2-281-G4 MIADADAM REP [9] ALLARAM [9] JAL 24-0 62.2 MIADADAM [] JOS DID SPRINGS TSM-G4 FOOL A NIAGARAM REEF 1972 KALKASKA 6,550 10 0 NIAGARAM 7,355 DID SPRINGS TSM-G4 FOOL A NIAGARAM REEF 1972 KALKASKA 6,550 10 0 43.6 NIAGARAM 7,355 DID SPRINGS TSM-G4 FOOL A NIAGARAM REEF 1975 KALKASKA 6,770 39 0 44.4 NIAGARAM 6,855 DID SPRINGS TSM-G4 NIAGARAM REEF 1974 KALKASKA 6,771 39 1 1.5 NIAGARAM 7,407 DID SPRINGS TSM-G4 NIAGARAM REEF 1973 KALKASKA 6,720 100 0 44.4 NIAGARAM 7,407 CCLS SPRINGS TWP., 27N-G4W, SECTION 3 KALKASKA 6,740 105 0 6.0 NIAGARAM 7,407 Z2N-G4W NIAGARAM REEF 1972 KALKASKA 6,937 270 63.8 NIAGARAM 7,352		-23864 PHILDBARDAR REE 197.7 DALESSAN (2,7) 34.0 0 22.3 RELEMENT 77.00 2 1	288-64 MILLIGURAN REEF 1977 ALLOSIAN 97.72 28.4 0 0.2.2 MILAGARAN 7.365 1 0	1-288-64 INTERDADA REEF 1977 ALLOSAL 0,7,2 24.0 0 2.2 ALLOSAL 1.2 0.1 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.0 1.1 0.0 1.1 0.0 0.0 1.1 0.0 0.0 1.1 0.0 0.0 1.1 0.0 0.0 1.1 0.0 0.0 <	-298-64 INTRODUCT ELC 197 CALLAGRAN (F1/2) VILLAGRAN (F1/2) (F1/2)	-28H-64 INTURDADINATION 1371 24LASISA (1,2) </td <td>Constraint NI RECEAR METER [1971] RALAGRAM [7,383] Y MARCHARM [7,383] Y MARCHARM</td> <td>Constraint Intendame BETF System A Distance <thdistance< th=""></thdistance<></td> <td>TARGADAN NET 1571 LALLAGANAN (2), 731 LALLAGANAN (7), 730 (1), 737</td> <td>No.2014 WILADAMA NET 1571 MALAMA N 6, 174 SM SM</td>	Constraint NI RECEAR METER [1971] RALAGRAM [7,383] Y MARCHARM [7,383] Y MARCHARM	Constraint Intendame BETF System A Distance Distance <thdistance< th=""></thdistance<>	TARGADAN NET 1571 LALLAGANAN (2), 731 LALLAGANAN (7), 730 (1), 737	No.2014 WILADAMA NET 1571 MALAMA N 6, 174 SM SM

POOL CLASSIF	ICATION	-	tve sturfiels (Presu Goseb de Field um P	:		ж.	TELE GAS FIELD DA POD ANDONEL GAS FIELD DA I			I)			ED OR POOL ERSATE FIELD	OF POOL	÷	TORAGE RESER ELOPED GAS S		seevo
	PRODUCTING FORMATION	YEAR OF	COUNTY TOWNSHIP		PAY ZON		DEEPEST FORMATION	DEPTH		R OF W	-	ORILLED	OIL PRODUCT		GAS PROCUC		RECOVERY PER ACRE	TO BARI DF
FIELD NAME	OR POOL	DISC.	PPODUCING SECTIONS	DEP TH SN FEET	THICKNESS AND LITHOLOGY	GRAVITY	POOL TESTED	FEET	та сом еза <u>та</u>	A64%0 1N 9 7 5	ACTIVE AT CAD	ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED IN 1975	CUMULATIVE Through 1975	DRILLED (BBLS.)	515
KALKASKA 19-27N-7W	NIAGARAN PEEF	1974	KALKASKA	6,626	10 D	44.0	NIAGARAN	7,003	1 0	0	1	240	6,919	7,522	+	5,706	31	-
			KALKASKA TWP., 2	7N-7₩,	SECTION	19		- <u> </u>				L			i		i	L
KALKASKA 24 - 27N - 7W	SALINA-NIAGARAN REEF	1974	καικάςκα	6,726	469 D	46.8	NIAGARAN	7,317	1 C	с	1	80	341	341	SHUT	- 1 N	Ŀ,	
			KALKASKA TWP., 2;	7N-7W,	SECTION	24					1							
KALKASKA 28-27N-7w	NIAGARAN REEF	1970	KALKASKA	7,129	28 D	COND. 65.3	CLINTON	7,408	1 0	0	1	160	COND. 935	COND. 17,945	47,460	641,421	112	
KALKASKA 28-27N-7W POOL A	NIAGARAN REEF	1972		6,977	192 D	68.C			1 0	C	1	160	COND. 10,673	COND. 12,133	163.839	179,082	76	
KALKASKA 28-27N-7W POOL B	NIAGARAN REEF	1975		7,088	40 D		NIAGARAN	7,205	1 1	C	1	80			SHUT	- I N		
KALKASKA			KALKASKA TWP., 2	7N-7W,	SECTION	·····	r	- <u>_</u>			,		COND.	COND.			·	
32-27N-7W	NIAGARAN REEF	1971	KALKASKA	6,828	309 D	60	NIAGARAN	7,369	1 0	0	1	160	4,573	33,490	251,995	918,313	209	
KALKASKA		1.075	KALKASKA TWP., 2	-		32		1			1 .	0.0		COND.				-
32-27N-7W POOL A	NIAGARAN REEF	1975	KALKASKA	7,076	22 D	L	NIAGARAN	7,255	1 1	0	1	80	10,709	10,709	146,613	146,613	134	
KALKASKA		1072	KALKASKA TWP., 2			44.2		16.170	1 0	0	1	80	16.162	50.170	2.120		(54)	-
11-27N-8W	NIAGARAN REEF	1973	KALKASKA KALKASKA TWP., 27	6,449		L	NIAGARAN	6,776	1 0		1	80	16,157	52,178	3,576	27,884	652	ĺ
KALKASKA	NIAGARAN REEF	1972	KALKASKA	6,950	10 D	47.8	NIAGARAN	7,365	2 1	0	2	80	55,805	180,608	179,412	484,338	2,258	-
13-27N-8W		1.274	KALKASKA TWP., 27				1	1.,,,,,,		1	L	L		,			-12,0	L
KALKASKA 14-27N-8w	NIAGARAN REEF	1974	KALKASKA	6,551	43 D	Í.	NIAGARAN	6,790	1 0	0	1	160	41,949	COND.	929,578	929,578	262	
14-27N-8W			KALKASKA TWP., 2			14	I	1	L	.1	L	l		41,949				L
KALKASKA 20-27N-8W	NIAGARAN REEF	1975	KALKASKA	6,493	5 D		NIAGARAN	6,750	1 1	0	1	80			SHUT	- I N		Γ
			KALKASKA TWP., 2	7N-8W,	SECTION	20		- I	L	1	1				ſ			L
KALKASKA 21-27N-8w	NIAGARAN REEF	1971	KALKASKA	6,562	77 D	45.1	NIAGARAN	6,856	87 1	0	7	400	PRODUCTION	COMBINED	WITH A-1 C	RBONATE PR	ODUCTION	N
	A-1 CARBONATE	1972		6,591	31 D							80	708,809	2,037,079	1,338,597	3,150,810	4,244	
			KALKASKA TWP., 2	7N-8W,	SECTIONS	21, 22	, 28											
KALKASKA 24-27N-8W	SALINA-NIAGARAN REEF	1973	KALKASKA	6,380	220 D	46.1	NIAGARAN	6,852	1 0	0	1	40	85,925	186,978	237,904	491,809	4,674	
			KALKASKA TWP., 27	7N-8W,	SECTION	24												
KALKASKA 25-27N-8W	NIAGARAN REEF	1972	KALKASKA	6,491	114 D		NIAGARAN	7,000	2 0	0	2	320	COND. 15,966	COND. 126,766	637,355	4,297,793	396	
		-1	KALKASKA TWP., 2	7N-8W,	SECTIONS	25, 35	; ,											
KALKASKA 25-27N-8W POOL A	NIAGARAN REEF	1974	KALKASKA	6,798	40 D	59	NIAGARAN	6,980	1 0	0	1	160	COND. 35,397	COND. 36,507	282,184	282,184	228	
KALKASKA	SALINA-NIAGARAN		KALKASKA TWP., 27															_
26-27N-8W	REEF	1973		6,372	397 D	55.0	NIAGARAN	6,968	1 0	0	1	160	37,409	97,100	346,990	692,641	607	_
KALKASKA		11	KALKASKA TWP., 27			26	1	1										
28-27N-8W	NIAGARAN REEF	1971		6,717	6 D	- 0	NIAGARAN	6,838	1 0	0	1	160	3,254	20,789			130	
KALKASKA		4071	KALKASKA TWP., 27			1		1				1.00	COND.	COND				
30~27N-8W	NIAGARAN REEF	1974		6,496	22 D	64.7	NIAGARAN ECTIONAL HOLE IN W	6,692 HICH TH	1 0 RE SURFA	0 CE LOC	1 ATION	480 IS IN G	40,5111 RAND TRAVER	COND. 103.611 SE COUNTY,	1,032,434 WHITEWATER	TOWNSHIP	216 SECTION	
KALKASKA	NIAGARAN REEF	1975	KALKASKA TWP., 27	6,585	7 D	45.0	27N-9W; AND THE SU NIAGARAN	6,890	2 2	10N IS	1N KA 2	LKASKA 160	COUNTY, KAL 3,249	KASKA TOWN 3,249	ISHIP SECTIO	N 30-27N-8	W 20	_
32-27N-8W		1.277	KALKASKA TWP., 27		•	I		0,000		J.	1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,			20	
KALKASKA	NIAGARAN REEF	1972		6,620	15 D	<u> </u>	NIAGARAN	6,754	1 0	0	1	160	COND.	COND.	141,704	1,220,862	160	
33-27N-8W			KALKASKA TWP., 27	7N-8W,	SECTION	33	1	1	II	1	I	1	249	25,563			I	
RAPID RIVER	NIAGARAN REEF	1970		6,590	44 0	50	NIAGARAN	6,810	5 0	0	5	400	114,361	542,205	1,398,976	5,329,774	1,356	-
24-28N-7W		i	RAPID RIVER TWP.,	28N-	7W, SECTI	ONS 24,	25, 26	1		1			I		l			
RAPID RIVER 24-28N-7W POOL A	NIAGARAN REEF	1972	KALKASKA	6,407	20 D	42.3	NIAGARAN	6,805	1 0	0	1	80	7,211	31,899	6,391	33,480	399	
24-2011-71 7002 4 1			RAPID RIVER TWP.,	28N-	7W, SECTI	ON 24	1	1)	L				l			
RAPID RIVER 27-28N-7W	NIAGARAN REEF	1972	KALKASKA	6,487	29 D	47.2	NIAGARAN	6,850	4 0	0	4	160	38,267	122,232	311,802	776,918	764	
		·	RAPID RIVER TWP.,	28N-	7W, SECTI	ONS 26,	27											
RAPID RIVER 27-28N-7W POOL A	NIAGARAN REEF	1972	KALKASKA	6,552	8 D	44	NIAGARAN	6,773	4 0	0	4	240	78,537	165,700	502,607	784,982	690	
			RAPID RIVER TWP.,	28N-	7W, SECTI	ONS 27,	34											
*RAPID RIVER 32-28N-7W	NIAGARAN REEF	1973	KALKASKA	6,413	20 D	43.5	NIAGARAN	6,550	6 2	0	6	440	419,872	522,309	542,881	625,136	1,187	
*NEW FIELD DISCOVER SPACING ORDER FOR	KALKASKA 5-27N-7	W	RAPID RIVER TWP.,			ONS 29,	32										`	
RAPID RIVER 33-28N-7W	NIAGARAN REEF	1971	KALKASKA	6,522	14 D	52.4	NIAGARAN	6,764	3 0	0	3	200	23,883	87,178	386,107	1,144,676	436	
RAPID RIVER			I				KALKASKA TWP., 27N	1		<u>,</u>	,	,					,	
33-28N-7W POOL A	NIAGARAN REEF	1972		6,510	9 D	43.5	CLENTON	6,695	2 0	0	2	160	5,873	48,017	174,820	556,198	300	
RAP1D RIVER		<u>т. (</u>					KALKASKA TWP., 27N	· · · · · · · · · · · · · · · · · · ·		1			COND.	COVO				
35-28N-7W	NIAGARAN REEF	1973	l	6,719	27 D	66.5	NIAGARAN	6,886	2 0	0	2	240	54,071	COND. 244,743	5,101,909	0,659,704	1,020	
ULNICTEF AANV-			RAPID RIVER TWP.,	28N-	W, SECTI	ON 35												
MANISTEE COUNT		1	1			74.0		1		<u> </u>				COND.				
2-23N-15W	NIAGARAN REEF	1974	I	4,646	23 D	74.0	NIAGARAN	4,874	1 0	0	1	80	0	149	27,851	27,851	2	
BEAR LAKE	SALINA-NIAGARAN	10-1	BEAR LAKE TWP., 2				NIACASAN	1. 200	,] .			0-1					T	
10-23N-15W	REEF	1974		4,457	120 D	64.0	NIAGARAN	4,758	1 0	0	1	80			SHUT -	1 N		
BEAR LAKE	NIAGADAN DEEE	1076		·····	4, SECTIO		NIAGADAN	4 000	2 .		, T	10	70.114	70 100	75 . 55 .			
	NIAGARAN REEF	1974 1975		4,688	36 D	43.3	NIAGARAN	4,922	3 2	0 C	3	240	79,312	79,492 6 404	75,550	75,550	331	
11-23N-15W BEAR LAKE			MANISTEE	4,668	11 U	40.8	NIAGARAN	4,740	2 2	l u	2	160	6,404	6,404	4,525	4,525	40	
	NIAGARAN REEF		BEAR LAKE THE	3N_10	SECTIO	NS 10	11 14	••										
BEAR LAKE	NIAGARAN REEF	1974	BEAR LAKE TWP., 2 MANISTEE	4,591	4, SECTIO	NS 10,	11, 14 NIAGARAN	5.030	3 0	0	3	240	191,447	192,217	164,251	164,251	801	

,	- POOL CLASSI		🖉 AEA	ANDONES OIL FIELD OR P	001	7	Ż ∺	ANDONED GAS FIELD OR F	200L		4 		DENSATE FIE ED GAS-CONE	ENSATE FIELD	OR POOL	-	TORAGE RESER		SERVO
	FIELD NAME	PRODUCING FORMATION OR	YEAR OF	COUNTY TOWNSHIP		AY ZONE	01L	DEEPEST FORMATION OR	DEPTH			F WELLS	0011100	DIL PRODUC PRODUCED	TION-BBLS.	GAS PRODUC	TION - Mor.	RECOVERY PER ACRE	
	BEAR LAKE 19-23N-15W	POOL NIAGARAN REEF	DISC.	PRODUCTING SECTIONS MANYSTEE			GRAVITY A.P.I. 36.7	POOL TESTED	FEET	_	1N 19 1	BAND. ACT1 IN AT E 7 5 0 1		1975 169	THROUGH 1975 169	IN 1975	THROUGH 1975	DRILLED (BBLS.)	PEF
)	13-231-134	1	.1		23%-15W,	i			1,,,,,	<u> </u>	·]			109	109			. 2	
	BEAR LAKE 20-23N-15W	SALINA-NIAGARAN REEF	1975	MANISTEE	h	32 D	38.4	NIAGARAN	4.722	2	2	0 2	160	19,306	19,306	5,895	5,895	121	
2	BEAR LAKE 22-23N-15W	NIAGARAN REEF	1974		23N-15W, 4,541	SECTION 10 D	20 44.5	NIAGARAN	4,885	4	2	0 4	320	67,183	67,635	53,519	53,519	211	
)				BEAR LAKE TWP.,	23N-15W,	SECTION	S 15,	21, 22	1,112				520	07,105	07,099	55,515	22,219	211	
1	524R LAKE 23-23N-15W	NIAGARAN REEF	1973	L	4,766	7 D	49.6	NTAGARAN	5,039	4	3	0 1	320	22,242	22,493	192,687	192,687	70	
) 위	BEAR LAKE 24-23N-15W	NIAGARAN REEF	1974	BEAR LAKE TWP., MANISTEE	23N-15W, 4,808	SECTION 58 D	69.0	NIAGARAN	5.070	1	0	0 1	80	COND.	COND.	00,000			1
)		1			L	SECTION			1,0,0					2,781	2,822	90,898	90,898	35	i
	BEAR LAKE 26-23N-15W BEAR LAKE	NIAGARAN REEF	1974	MANISTEE		34 D	45 0	NIAGARAN	4,933	3	2	0 3		23,493	23,673	145,502	145,502	99	
	26-23N-15W POOL A	NIAGARAN REEF	1975	BEAR LAKE TWP.,	i	10 D	43.5	NIAGARAN	5,036	3	3	0 3	240	62,769	62,769	65,243	65,243	262	
	BEAR LAKE 27-23N-15W	NIAGARAN REEF	1975	MANISTEE	1	64 D	44.2	NIAGARAN	4,870	1	1	0 1	80	142	142			2	r
	BEAR LAKE		······	BEAR LAKE TWP., 2	23N-15W,	SECTION	27			d									
	31-23N-15W	NIAGARAN REEF	1974		· .		40.0	NIAGARAN	4,580	1	0	0 1	80	31,872	32,339	20,264	20,264	404	
	BEAR LAKE 32-23N-15W	NIAGARAN REEF	1974	BEAR LAKE TWP., 2 MANISTEE		62 D	45.3	NIAGARAN	4,860	2	1	0 2	160	61,832	62,022	49,687	49,687	388	
1			J. J	BEAR LAKE TWP., 2	3N-15W,	SECTION	32										l		L
1	BEAR LAKE 33-23N-15W	NIAGARAN REEF	1974			1	42.6	NIAGARAN	4,806	4	2	0 4	320	94,923	95,457	67,804	67,804	298	
1	BEAR LAKE	NIAGARAN REEF	1975		4,783	18 D	44.6	NIAGARAN	4,957	2	2	0 2	160	317	317		T	2	
	34-23N-15W	1	1	BEAR LAKE TWP., 2						-		·	100		517			2	
ł	BROWN 4-22N-15W	NIAGARAN REEF	1974				69.5	NIAGARAN	4,907		1	0 2	320	COND. 11	COND. 81				
6	BROWN 4-22N-15W POOL A	NIAGARAN REEF	1975	BROWN TWP., 22N-1 MANISTEE			64.2	NIAGARAN	TWO 10			TS ESTAL	120	COND.	5-76, EFFE	CTIVE JUNE	8, 1976		
	PUUL A	I		BROWN TWP., 22N-1						,				15	15]	
4	BROWN 6-22N-15W	SALINA-NIAGARAN REEF	1974	MANISTEE	4,207 4	15 D	57.3	NIAGARAN	4,809	1	0	0 1	80	0	COND. 50			1	
	BROWN 7-22N-15W	NIAGARAN REEF	1974	BROWN TWP., 22N-1 MANISTEE		T	65.0	NIAGARAN	4,780		.	0 1	1.0		COND.				
	010HR 7-221-19H	I TAGANAN KELT	1974	BROWN TWP., 22N-1			05.0	MADARAR	4,700		0		160	0	20]]	
	BROWN 8-22N-15W	NIAGARAN REEF	1974	MANISTEE	4,692	27 D	66.0	NIAGARAN	4,888	1	0	0 1	80	0	COND. 52			1	
	CLEON 11-24N-13W	NIAGARAN REEF	1072	BROWN TWP., 22N-1 MANISTEE			10 6	NIAGARAN	(1/2	<u>.</u>			1 101	1 220	0.0101	1.561	1.0771		
1			1973	CLEON TWP., 24N-1	5,624 1: 3W. SECT		43.5	NTADASAN	6,167	2	<u>'</u>	0 2	160	1,773	2,019	1,356	1,356	13	_
+	CLEON 12-24N-13W	NIAGARAN REEF	1974			· · · · ·	39.3	NIAGARAN	6,119	1	0	0 1	80	5,560	5,768	3,078	3,078	72	
	CLEON 12-24N-13W POOL A	NJAGARAN REEF	1975				41.1	NIAGARAN	6,043	1	1	0 1	80	199	199			2	
+	CLEON 14-24N-13W	NIAGARAN REEF	1973	CLEON TWP., 24N-1 MANISTEE			44.3	NIAGARAN	5,928	1	0	0 1	80	2,882	3,504	2,720	2,720	44	
			4	CLEON TWP., 24N-1				DISCOVERY WELL AC	l				S						
Ļ	CLEON 15-24N-13W	NIAGARAN REEF	1974			0 D		NIAGARAN	5,770	1	0	0 1	80	COND. 4,911	COND. 4,981	187,008	187,008	62	
-	CLEON 20-24N-13W	NIAGARAN REEF	1974	CLEON TWP., 24N-1 MANISTEE	3W, SECTI 5,145 20			NIAGARAN	5,534	1	2	0 1	80	157	COND.	12,832	10 820		
-			1.07.1	CLEON TWP., 24N-1	·			Пабала	,,,,,		<u></u>			157	COND. 157	12,052	12,832	2	
	CLEON 22-24N-13W	NIAGARAN REEF	1975	MANISTEE	5,436 73	.5 0	65.5	NIAGARAN	5,701	1	1	r c	80	0	0	SHUT -	I N		
	1AN I STEE	SALINA	1959	CLEON TWP., 24N-1 MANISTEE		ON 22 4 D		NIAGARAN	4,165	1	ANDO	NED 1961	160						
				FILER TWP., 21N-1					.,	. 1						[
Į.	IANISTEE I - 22N - 16W	NIAGARAN REEF					58.6	NIAGARAN	4,807	2	5	2 2	320	0	1,452			5	
-	IANISTEE 1-22N-16W POOL A	NIAGARAN REEF	1975	MANISTEE MANISTEE TWP., 22					4,630		2 1	2 2	160	474	474			3	
	IANISTEE 2-22N-16W	NIAGARAN REEF	1975			5 0	; DRUWI		ECTION	1	1		80	6,484	6,484			81	
				MANISTEE TWP., 22	N-16W, SE	CTION 2	I						11	}					
	1AN STEE 2 - 22N - 16W	NIAGARAN REEF	1974	I			45.0	NIAGARAN	4,844	1			80	169	169			2	
	IAN I STEE	NIAGARAN REEF	1974	MANISTEE TWP., 22			2 42.8	NIAGARAN	4,725	2		2	160	0	488	T	T	3	
	5-22N-16W			MANISTEE TWP., 221		l				-1	`		1.30					2	
	AN I STEE 6 - 22N - 16W	NIAGARAN REEF	1975					NIAGARAN	4,228	2	2 0	2	160	377	377			2	
-	IANISTEE	NIAGARAN REEF	1975	MANISTEE TWP., 221 MANISTEE	1		6 43.2	NIAGARAN	4,225	1) 1	80	0.00	T		T	1	
	10-22N-16W	A STREET	. 313	MANISTEE TWP., 221		l	I.		4,225	1	·	<u>'</u>		239	239			3	
1	IAN I STEE 13 - 22N - 16W	NIAGARAN REEF	1974	MANISTEE	4,220 27	7 D	68.0	NIAGARAN	4,680	2		2	160	COND. 25	COND. 45				
				MANISTEE TWP., 221	4 164 CE	CTLONS	22 23												
	IANISTEE	NIAGARAN REEF	1974				67.5	NIAGARAN	4,722	1 (80	COND.]	COND.			3	-

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	— POOL CLASSIF	ICATION	-	IVE GIL FIELD OR POOL NUDAED CIL FIELD OR P			T	TIVE GAS FIELD OR PGG ANDONEL GAS FIELD OP F			<u> </u>			ELD OR POOL SENSATE FIELD	0F 2001	÷	TORAGE RESER ELOPED GAS S		E2/018
r		PRODUCING	1		102	PAY ZON			11		<u>^</u>		T	OIL PRODUC		GAS PRODUC		r	10774
¥	FIELD NAME	FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCING SECTIONS	DEPTH IN FEET	THICKNESS AND LITHOLOGY	GRAVITY	DEEPEST FORMATION OR POOL TESTED	N DEPTH IN FEET	NUMBE TO COM END IN 1	R OF W P. ABANE IN 9 7 5	D. ACTIVE AT END	DRILLED	PRODUCED IN 1975	CUMULATIVE THROUGH 1975 COND.	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	RECOVERY PER ACRE DRILLED (BBLS.)	BARRELS BRINE PER DAY
X	MANISTEE 27-22N-16W	NIAGARAN REEF	1974	MANISTEE MANISTEE TWP., 22	4,288 N-16W	224 D	63.4	NIAGARAN	4,600	1 0	0	1	80	40	40				
•	MAPLE GROVE 1-23N-14W	NIAGARAN REEF	1974	MANISTEE	5,473	23 D	42.2	NIAGARAN	5,610	1 0	0	1	80	0	COND. 311			4	
X	MAPLE GROVE 2-23N-14W,	NIAGARAN REEF	1973	MAPLE GROVE TWP. MANISTEE	23N- 5,055	52 D	1	NIAGARAN	5,498	2 0	0	2	240	6,625	COND. 6,680	296,511	296,511	28	
	MAPLE GROVE	NIAGARAN REEF	1975	MAPLE GROVE TWP.	23N-	14W, SECT 26 D	TION 2	NIAGARAN	5,153	1 1	0	1	80	5,982	5,982	6,018	6,018	75	·
0	4-23N-14W		10/0	MAPLE GROVE TWP.			TION 4		1,00		_L	1	T		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,010	0,010		
0	MAPLE GROVE 6-23N-14W	NIAGARAN REEF	1973	MANISTEE MAPLE GROVE TWP.	4,514 23N-	27 D 14W. SEC1		ST. PETER	6,360 24N-14W		0 0N 31	4	320	81,237	82,458	41,228	41,228	258	
•	MAPLE GROVE 6-23N-14W POOL A	SALINA-NIAGARAN REEF	1974	MANISTEE	4,518	1	1	NIAGARAN	4,975	1 0		1	80	9,559	9,982	5,619	5,619	125	28
	MAPLE GROVE 7-23N-14W	NIAGARAN REEF	1974	MAPLE GROVE TWP., MANISTEE	23N-	14W, SECT 35 D	-	NIAGARAN	4,829	2 1	0	2	160	23,591	23,770	15,156	15,156	149	7
0	MAPLE GROVE			MAPLE GROVE TWP.			_		1			-1		r		Г		· · · · · ·	
	8-23N-14W	NIAGARAN REEF	1974	MANISTEE MAPLE GROVE TWP.,	4,905 23N-	26 D	1	9	5,082	3 2	0	3	240	64,884	65,164	59,474	59,474	272	11
\mathbf{X}	MAPLE GROVE 9-23N-14W	SALINA-NIAGARAN REEF	1973	MANISTEE	4,590	I	72.8	NIAGARAN	5,295	1 0	0	1	80	3,123	COND. 3,217	91,086	91,086	40	
	MAPLE GROVE 10-23N-14W	NIAGARAN REEF	1973	MAPLE GROVE TWP. MANISTEE	23N- 4,832	14W, SECT 263 D	43.8	NIAGARAN	5,457	2 0	0	2	160	25,568	26,147	28,660	28,660	163	21
Ō	MAPLE GROVE	·		MAPLE GROVE TWP.	23N-	14W, SECT	TION 10				· · · · · · · ·		1	1 1		1		·····	
•	16-23N-14W	NIAGARAN REEF	1973	MANISTEE MAPLE GROVE TWP.,	4,950 23N-	L	48.2 TION 16	N I AGARAN	5,409	2 0	0	2	120	38,313	38,730	87,540	87,540	323	
	MAPLE GROVE 17-23N-14W	NIAGARAN REEF	1974	MANISTEE	4,637		1	NIAGARAN	5,225	2 1	0	2	160	109	COND. 213			1	
	MAPLE GROVE 19-23N-14W	NIAGARAN REEF	1975	MAPLE GROVE TWP., MANISTEE	4,597	259 D	67.8	NIAGARAN	5,110	1 1	0	1	160	20	COND. 20				
•	PLEASANTON 36-24N-15W	NIAGARAN REEF	1974	MAPLE GROVE TWP., MANISTEE	23N- 4,474	14W, SECI	40.6	NIAGARAN	4,620	2 1	0	2	160	1,878	6,724			42	
0	SPRINGDALE	NIAGARAN REEF	1975	PLEASANTON TWP., MANISTEE	24N-1	5W, SECTI	· · · · ·	NIAGARAN	5,085	11	0		80			10,000	10.000		
0	21-24N-14W	ATAGANAN NECI	1979	SPRINGDALE TWP.,			1	NIAGANAN	3,005		1 .	1 '		27,191	27,191	12,998	12,998	340	
•	SPRINGDALE 25-24N-14W	NIAGARAN REEF	1972	MANISTEE SPRINGDALE TWP.,	5,006 24N-14	71 D 4W, SECTI	43.2	NIAGARAN	5,448	1 0	0	1	40	0	130			3	
•	SPRINGDALE 26-24N-14W	NIAGARAN REEF	1974	MANISTEE SPRINGDALE TWP.,	5,094 24 N-1 4	12 D 4W, SECTI	44.5	NIAGARAN	5,195	1 0	0	1	160	22,929	22,929	18,009	18,009	143	
•	SPRINGDALE 28-24N-14W	SALINA-NIAGARAN REEF	1973	MANISTEE	4,719 24N-1/	I	34.4	NIAGARAN	5,180	1 0	0	1	80	27,187	27,337	12,734	12,734	342	
•	SPRINGDALE 32-24N-14W	NIAGARAN REEF	1974	MANISTEE	4,634	16 D	"I	NIAGARAN	5,050	L	0	2	240	1,559	2,976			12	
	SPRINGDALE 34-24N-14W	SALINA-NIAGARAN REEF	1974	SPRINGDALE TWP., MANISTEE	24N-14 4,764		1 .	MAPLE GROVE TWP.,	23N-14	√, SECT		1	80	7,421	COND. 7,421	107,651	107,651	93	
Ó				SPRINGDALE TWP.,	24N-11	4W, SECTI	I ON 34	1		·	- <u> </u>	1	т <u>т</u>	,		1	· · · · · · · · · · · · · · · · · · ·	· · · ·	
•	SPRINGDALE 34-24N-14W POOL A	NIAGARAN REEF	1975	MANISTEE SPRINGDALE TWP.,	4,995 24N-14	18 D 4W, SECTI	40.6 ION 34	NIAGARAN	5,180	L	-	D AS A	80 SEPARAT	6,031 E POOL IN 1	6,031 976	3,783	3,783	75	
0	MASON COUNTY		10	····		1			4		Τ.	1.							
•	HAMLIN 13-19N-18W	NIAGARAN REEF	1972	MASON HAMLIN TWP., 19N-	4,284 18w, S	12 D SECTION 1		NIAGARAN	4,500	3 1	0	3	200	84,243	170,544	156,250	227,121	853	
XX O	HAMLIN 13-19N-18W POOL A	NIAGARAN REEF	1973	MASON HAMLIN TWP., 19N-	4,392 18W, S	6 D	13. 24	NIAGARAN	4,460	2 0	0	2	200	COND. 21,190	COND. 34,147	2,049,070	3,036,662	171	29
•	HAMLIN 13-19N-18W POOL B	N&AGARAN REEF	1975		4,464	11 D	48.0	NIAGARAN	4,671	1 1	0	1	80	239	239			3	
	HAMLIN 25-19N-18W	NIAGARAN REEF	1972	HAMLIN TWP., 19N- MASON	18W, 9 4,251	SECTION 1	T.	NIAGARAN	4,556	3 1	0	3	320	14,409	22,581	76,734	102,137	71	
0		SALINA-NIAGARAN	i 	HAMLIN TWP., 19N-	18W, S	SECTION 2	25	<u> </u>	.). 	· · · · ·			·····	· · · · · · · · · · · · · · · · · · ·		l	·		
× ×	HAML IN	SALINA-NIAGARAN REEF NIAGARAN REEF	1952 1952	MASON	3,950 4,224	? D 20 D	46.2	CAMBRIAN	6,622			ED 196			60,532			1,513	
O		·		HAMLIN TWP., 19N-			1		1			1 .	0.0		COND.	·	·		
XX O	VICTORY 5-19N-17W	NIAGARAN REEF	1974	MASON VICTORY TWP., 191	4,199 I-17W,		69.0 5	NIAGARAN	4,779	1 0	0	1	80	0	17	I	L	I	
र्षे	VICTORY 7-19N-17W	NIAGARAN REEF	1973	MASON	4,052	369 D	1	NIAGARAN	4,730	2 0	0	2	160	14,413	COND. 14,463	87,675	87,675	90	
	VICTORY 18-19N-17W	NIAGARAN REEF	1973	VICTORY TWP., 190 MASON	1-17W, 4,344	22 D	T	NIAGARAN	4,658	2 0	0	2	160	12,840	22,499	14,929	26,792	141	50
0 X	VICTORY 18-19N-17W	NIAGARAN REEF	1974	VICTORY TWP., 19M MASON	1-17W, 4,467	1		NIAGARAN	4,555	1 1	0	1	80	6,937	COND.	254,373	254,373	87	
XX O	POOL A	HIAGAKAN KEEF	1 9/4	VICTORY TWP., 19					1, 200	. · (. ·	1	. <u> </u>	1		6,937	1		L'l	
• H	VICTORY 19-19N-17W	NIAGARAN REEF	1972 1974	MASON MASON	4,387 4,358	14 D 16 D	69.2	NIAGARAN	4,537	2 0 1 0	0	2	160 80	79,487 24,935	140,915 COND.	186,260	281,685 1,101,644	881 312	105
ð	POOL A		1.317	VICTORY TWP., 190		1	1		1			_[1		24,935	1		<u>-</u> ا	

_	POOL CLASSII	FICATION			DIL FIELD OR POOL ED OIL FIELD OR PO	00L		Ľ	TIVE GAS FIELD OR POG ANDONED GAS FIELD OR I			Ц Х				.D OR POOL INSATE FIELD	OR POOL	÷	TORAGE RESER		SERV0
	FIELD NAME	PRODUCI FORMATI OR	ON C	EAR DF	COUNTY TOWNSHIP		PAY ZONE HICKNESS	01L GRAVITY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	10 1	OMP . A	F WELL	TIVE	RILLED	OIL PRODUC PRODUCED	TION - BBLS. CUMULATIVE THROUGH	GAS PRODUC PRODUCED	TION - MC (. CUMULATIVE THROUGH	RECOVERY PER ACRE DRILLED	TO BAR BR PER
	NONTHOBENOV	POOL		ISC. PRO	OUCTING SECTIONS		THOLOGY	A.P.1.			ENC	197	IN AT			1975	1975	1975	1975	(BBLS.)	
) रा	MONTMORENCY CO	NIAGARAN R	REEF 1	975 MOI	THORENCY	4,794	24 D	72.3	NIAGARAN	4,939		1	0	1	80	47	COND.			1	
	29-32N-1E	1		l	ITMORENCY TWP.,												47		I	l'l	L
5	OTSEGO COUNTY																				
	BAGLEY 21-30N-3W	NIAGARAN R	EEF 19	975 OTS	EGO	5,962	28 D	38.6	NIAGARAN	6,219	1	1	D	1	80	5,279	5,279			66	
2		T			LEY TWP., 30N-				1	1	, ,							1	1		
	BAGLEY 23-30N-3W	NIAGARAN R	EEF 19		EGO ILEY TWP., 30N-		13 D	43.3	NIAGARAN	6,194	2	1	0	2	120	38,364	74,336	26,138	55,239	619	L
4	BAGLEY 25-30N-3W	NIAGARAN R	EEF 19		EGO	6,090	55 D	, 25 44.9	NIAGARAN	6,372	11	0	0	1	62	75,089	274,578	131,194	326,224	4,429	
5		ł	l	BAG	LEY TWP., 30N-	3W, SEC	TION 25		1	.l	£L		l	l			L	I		tt	
	BAGLEY 25-30N-3W POOL A	A-1 CARBON NIAGARAN R	ATE & 19	972 OTS	EGO	6,070	30 0	41.8	NIAGARAN	6,451	2	0	0	2	160	153,114	435.079	312,287	665,511	2,719	
			·····	BAG	LEY TWP., 30N-	3W, SEC	TION 25				· · ·									1	
+	BAGLEY 35-30N-3W	NIAGARAN R	EEF 19			6,110	50 D	43.0	NIAGARAN	6,365	1	0	0	1	160	71,306	71,636	57,498	57,498	448	L
)	CHARLTON 1-30N-1W	NIAGARAN R	ere 10		EGO	3W, SEC 5,885	TION 35 6 D	68.1	NIAGARAN	6,165	1,1	,	0	1	80			1		<u> </u>	<u> </u>
()	CHARLETON T-SON-TH	HINGROAD N	<u> </u>		RLTON TWP., 30			00.1	ATROACAN	0,105	<u> </u>	<u>'</u>	<u> </u>							II	L
-	CHARLTON 9-30N-1W	NIAGARAN R	EEF 19				226 D	46.4	NIAGARAN	6,216	1	0	0	1	80	100,076	185,656	59,947	121,245	2,321	
)		4		СНА	RLTON TWP., 30	N-IW, S	ECTION 9				·				1						
	CHARLTON 10-30N-1W	NIAGARAN R	EEF 19	974 OTS	EGO	6,093	96 D	45.8	NIAGARAN	6,265	1	0	0	1	80	41,382	41,681	37,176	37,176	521	L
		1		_	RLTON TWP., 30	· · · ·			r	-								r		·	_
2	CHARLTON 12-30N-1W	NIAGARAN R	EEF 19		RLTON TWP., 30		129 D	50.3	NIAGARAN	6,330	2	0	0	2	160	36,376	36,891	45,818	45,818	231	L
1	CHARLTON 24-30N-1W	NIAGARAN R	EEF 19			6,234	26 D		NIAGARAN	6,390	1	0	0	1	80	15,122	50,847	143,159	271,361	636	Γ
5		1	I	СНА	RLTON TWP., 30	N-1₩, S	ECTION 2	4	L						I			<u> </u>		· · · · ·	
ł	CHARLTON 31-30N-1W	A-2 CARBON NIAGARAN R	ATE & 19 EEF 19	972 OTS	EGO	5,676 6,168	13 D 104 D	51.8	NIAGARAN	6,400	2	0	0	2	430	COND. 78,476	COND. 102,855	1,447,137	1,943,369	239	Ī
		· · · · · · · · · · · · · · · · · · ·		СНА	RLTON TWP., 30	N-1W, S	ECTION 3	1	·····			··· ,						1			 _
+	CHARLTON 4-31N-1W	NIAGARAN R	EEF 19				116 D	55	CLINTON	5,270	2	0	0	2	480	305,194	1,307,163	306,099	920,901	2,723	
	CHARLTON 4-31N-1W	NIAGARAN R			RLTON TWP., 31	N-1W, SI		44.3	NIAGARAN	4,860	<u>т, т</u>	0	0	1	320	PRODUC	TION COMBIN		BITON 4	<u> </u>	—
	POOL A* *DETERMINED A SEPAR	1			RLTON TWP., 31		15 D ECTION 5		DIRECTIONAL HOLE	IN WH		- 1			- 1			-		<u> </u>	
+	CHARLTON 7-31N-1W	NIAGARAN R		974 ors		4,897	16 D	46.1	NIAGARAN	5,184	2	1	0	2	160	442	848	SHUT	- I N	5	Γ
				СНА	RLTON TWP., 31	N-1W, SI	ECTION 7		·					,							
	CHARLTON 9-31N-1W	SALINA-NIA REEF	GARAN 19	972 OTS	1	4,843	3 D	44.2	NIAGARAN	5,045	2	0	0	2	160	218,631	532,091	188,761	467,417	3,326	L
	CHARLTON 27-31N-1W	NIAGARAN R			RLTON TWP., 31	N-1W, SI 5,202	26 D		NIAGARAN	5,228	5	0	0	5	360	207 826	716 966	21.9 011	665 114	1 001	_
	CHAREFOR 27-318-18	RIABANAN N		l	RLTON TWP., 31			45.4	NI AGANAN	5,220					- 1	297,836	716,866 D TO CHARL	348,911	665,546	1,991	L
	CHARLTON 28-31N-1W	SALINA-NIA REEF	GARAN 19			4,923	45 D	64.8	NIAGARAN	5,421			0	1	80	COND. 70,017	COND. 70,047	310,83	1	876	Г
Ì					RLTON TWP., 31	N-1W, SI			I	1.7						70,017	70,047		1	()	
	CHARLTON 30-31N-1W	NIAGARAN R	EEF 19	975 OTS	EGO	5,435	11 D	43.4	NIAGARAN	5,650	2	2	0	2	160	123,850	124,062	60,762	60,762	775	
		,		СНА	RLION TWP., 31	N-1W, SI	ECTION 3	0												, 	_
+	CHARLTON 31-31N-1W	NIAGARAN R	EEF 19	973 OTS			54 D	41.9	NIAGARAN	5,770	2	1	0	2	160	128,746	169,704	51,712	75,355	1,061	L
	CHARLTON 34-31N-1W	NIAGARAN R	FFF 10	974 OTS	RLTON TWP., 31		10 D	44.5	NIAGARAN	5, 830	1	0	0	1	80	25,255	33,213	12,858	12,858	415	Г
5			1.		RLTON TWP., 31				11900100	p, 070	1	<u> </u>		•]		25,255	,215	12,000	12,050	415	L
ŧ	CHESTER 10-29N-2W	NIAGARAN R	EEF 19	975 OTS	EGO	6,145	47 D	68.5	NEAGARAN	6,644	1	1	0	1	240	43,806	COND. 43,806	392,271	392,271	183	Γ
)				CHE	STER TWP., 29N	~2W, SE	CTION 10			· · · · · ·										·	
+	CHESTER, SEC. 15	A-2 CARBON LOWER NIAG	ARAN 19	951 OTS	EGO	6,610	5 D	41.0	NIAGARAN	6,870	2	0	0	1	80	8,606	36,906	134,924	191,801	923	L
8	CHESTER, SEC. 15	NIAGARAN R	FFF 10	CHE 970 0TS	STER TWP., 29N	-2W, SE	-	5, 22 COND.	CLINTON	6,697		0	0	1	160	COND.	COND.	2,531,948	8 650 222	1,575	_
1				L	STER TWP., 29N				CENTION	0,007		<u> </u>	<u> </u>	·	100	43,215	251,968	2,551,540	0,000,202	1,575	
+	CHESTER 21-29N-2W	NIAGARAN R	EEF 19	973 OTS			29 D		NIAGARAN	6,770	1	0	0	1	160	COND. 34,132	COND. 116,659	1,324,760	2,943,314	729	Γ
				CHE	STER TWP., 29N	-2W, SE	CTION 21				, _ ,										_
≁	CHESTER 2-30N-2W	NIAGARAN R	EEF 19	971 OTS		5,653		43.2	NIAGARAN	6,051	4	0	0	4	320	106,163	163,801	25,831	25,831	512	L
	CHESTER 5-30N-2W	NIAGARAN R			STER TWP., 30N			, 3, 10		E	<u>г. т</u>		. 1	, T							_
	CHESTER 5-30N-2W	A-1 CARBON		972 OTS 975 OTS		5,538 5,634	10 D	44.8	NIAGARAN	5,750	1		0	1	40 80	500 1,267	3,985			100 16	F
	POOL A	1	L'		STER TWP., 30N				L	,,,,,	<u> </u>	·	<u> </u>	<u> </u>		.,207	.,207	I			_
.†	CHESTER 6-30N-2W	A-1 CARBON	ATE 19	973 OTS	1			43.0	NIAGARAN	6,022	2	0	0	2	160	162,095	207,038	101,371	132,146	1,294	
2				CHE	STER TWP., 30N	-2W, SE	CTIONS 5	, 6		,	·····									,	_
4	CHESTER 10-30N-2W	NIAGARAN R	EEF 19	972 OTS			28 D		NIAGARAN	6,200	1	0	0	1	80	103,989	351,143	81,975	148,966	4,389	L
	CHESTER 10-30N-2W			1	STER TWP., 30N				N/ ACADAN	6			<u> </u>	<u> </u>	1	10	105 011	al	····		_
	POOL A	NIAGARAN R	LLF 19	973 OTS CHE	EGO STER TWP., 30N	· · · · ·	66 D	42.6	NIAGARAN	6,240	2	0	0	2	160	182,429	185,841	74,244	75,201	1,162	h
+	CHESTER 16-30N-2W	NIAGARAN R	EEF 19	971 015		5,760			NIAGARAN	6,350	5	0	0	5	360	PRODUCTI	ON COMBINE	D WITH CHES	TER 21	<u> </u>	Γ
		L				1		l	l	1	1	1		1						<u>ل</u>	

	— POOL CLASSIF	ICATION	-	TIVE OIL FIELD OR POO ANDONED OIL FIELD OR			T	TIVE GAS FIELD OR PO ANGONED GAS FIELD OR		1 1 1	12			LD OR POOL ENSATE FIELD	DR POOL		STORAGE RESER		ERVOJ
Γ		PRODUCING FORMATION	YEAR	COUNTY		PAY ZON	ε	DEEPEST FORMATIO	N DEPTH	NUMBER	OF WE	LLS		OIL PRODUC	TION ~ BBLS.	GAS PRODUC		RECOVERY	707
	FIELD NAME	OR POOL	DF DISC.	TOWNSHIP PRODUCTING SECTIONS	DEPTH IN FEET	THICKNESS AND LITHOLOGY	GRAVITY	OR POOL TESTED	IN FEET	TO COMP END IN	. ABAND. 15 9 7 5	ACTIVE AT END	DRILLED ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PER ACRE DRILLED (BBLS.)	BARRI BRI PER
C	HESTER 18-30N-2W	NIAGARAN REEF	1971	OTSEG0	5,930	20 D	45	NIAGARAN	6,330		0	12	840			WITH CHEST			
~	HESTER 19-30N-2W	NIAGARAN REEF	1971	CHESTER TWP., 30 OTSEGO			1		6.00							1			
-			13/1		6,054 0N-2W. 5	30 D	44.4 9: BAGL	NIAGARAN EY TWP., 30N-3W,	6,512 SECTION	2 0	0	2	120	164,861	460,653	120,628	266,506	3,839	
С	HESTER 21-30N-2W	NIAGARAN REEF	1970	OTSEGO	1	283 D	43.C	CLINTON	6,483	3 0	0	3	200	1,383,340	5,198,481	905,596	2,956,194	3,713	
				CHESTER TWP., 30)N−2₩, S	ECTION 2	1	·····		CENTRA	L FACI	LITY -	- PRODU	CTION FIGUE	RES INCLUD	CHESTER 1		1	
С	HESTER 30-30N-2W	NIAGARAN REEF	1973	OTSEGO	6,232	39 0	37.7	NIAGARAN	6,350	1 0	0	1	80	110,329	119,116	56,750	60,661	1,489	
	OVER 12-31N-2W	SALINA-NIAGARAN	1974	CHESTER TWP., 30 OTSEGO	0N-2W, S	ECTION 3 5 D	43.4	NIAGARAN		<u> </u>							····	· · · · · · ·	
ŀ		REEF	1	DOVER TWP., 31N-	1		45.4	MIAGARAN	5,044	1 0	0	1	80	0	217	L		3	_
D	IOVER 21-31N-2W	SALINA-NIAGARAN REEF	1975	OTSEGO	5,210	10 D	41.2	NIAGARAN	5,527	1 1	D	1	80	511	511			6	
		SAL INA - NI AGARAN		DOVER TWP., 31N-	2W, SEC	TION 21	DIRE	CTIONAL HOLE IN W THE SUBSURFACE LO	HICH THE	SURFACE	E LOCA SEGO C	TION I OUNTY,	S IN OT DOVER	SEGO COUNTY TOWNSHIP SE	CTION 21-3	WNSHIP SEC	TION 22-311	N-2₩;	
	OVER 22-31N-2W	REEF	1975	OTSEGO	5,223	10 0	41,1	NIAGARAN	5,531	1 1	0	1	80	544	544			7	
	OVER 27-31N-2W	A-1 CARBONATE	1975	DOVER TWP., 31N- OTSEGO	5,179	49 0	1	NIAGARAN	5,564	111	0	1	80	2 1-26	2.10(1		. T	
1				DOVER TWP., 31N-	1		1		5,504	· [·		1		3,436	3,436			43	
0	OVER 33-31N-2W	NIAGARAN REEF	1974	OTSEGO	5,413	9 D	43.6	NIAGARAN	5,678	3 0	0	3	240	179,584	180,509	104,315	104,315	752	
			T	DOVER TWP., 31N-	1 1		1		.							,		· · · · · · · · · · · ·	
	OVER 35-31N-2W	NIAGARAN REEF	1973	OTSEGO	5,475	41 D	42.3	NIAGARAN	5,810	3 0	0	3	240	65,623	95,467	31,698	45,426	398	
D	OVER 36-31N-2W	NIAGARAN REEF	1973	DOVER TWP., 31N- OTSEGO	5,485	135 D	42.7	NIAGARAN	5,835	3 0	0	3	240	227,738	313,126	150,625	105.051	1 2001	
t	J		JI	DOVER TWP., 31N-	J 1				1		<u> </u>]		515,120	150,025	195,254	1,305	
н	AYES 11-29N-4W	NIAGARAN REEF	1969	OTSEGO	6,180	57 D	47.0	NIAGARAN	6,515	4 0	0	3	640	68,335	673,556	43,467	266,339	1,052	1
-				HAYES TWP., 29N-	1	TIONS 2,	11, 12	, 14	· · · · ·			,						·	
H	AYES 15-29N-4W	NIAGARAN REEF	1973	OTSEGO HAYES TWP., 29N-	6,350	39 D	42.6	NIAGARAN	6,615	2 0	0	2	160	255,798	613,980	139,895	347,607	3,837	
н	AYES 21-29N-4W	NIAGARAN REEF	1972	OTSEGO	6,581	6 D	44.9	NIAGARAN	6,972	3 0	0	3	240	322,345	626,969	231,853	120 202		
				HAYES TWP., 29N-	1		4		1.,,,,1		L[2.00	,,,,,,,	020, 909	251,055	432,303	2,612	
н	AYES 29-29N-4W	SALINA-NIAGARAN REEF	1973	OTSEGO	6,474	53 D	42.7	NIAGARAN	6,982	2 0	0	2	160	68,959	69,364	48,708	48,708	434	
-	. 1	·····	71	HAYES TWP., 29N-	<u> </u>	TION 29	,	·											
H-	AYES 32-29N-4W	NIAGARAN REEF	1972	OTSEGO	6,462	5 0	42.7	NIAGARAN	6,873	3 1	0	3	320	152,374	246,327	99,161	148,505	770	
н	AYES 34-29N-4W	NIAGARAN REEF	1974	HAYES TWP., 29N- OTSEGO	4W, SEC	25 D	42.4	NIAGARAN	7,050	2 0	0	2	160	144,907	159,933	84,899	89,679	1,000	
	1		1	HAYES TWP., 29N-	, <u>1</u> 4W, SEC	TIONS 27	I		- <u> </u>		.	1					0,015	1,000	
	TSEGO LAKE -29N-3W	SALINA-NIAGARAN REEF	1971	OTSEGO	6,272	122 D	44.2	NIAGARAN	6,860	2 0	0	2	120	99,019	496,317	238,671	522,171	4,136	
	TSEGO LAKE		1	OTSEGO LAKE TWP.	T T		<u> </u>							····-					
	6-29N-3W	NIAGARAN REEF	1975	OTSEGO LAKE TWP.	6,810	12 D	52.7	NIAGARAN	6,968	1 1	0	1	80	719	719			9	
P	RESQUE ISLE CO	INTY		COLOCIENCE SHIT.	, 2511-51	, 32011	014 20												
	ORTH ALLIS 9-35N-2E	NIGARAN REEF	1969	PRESQUE ISLE	2,727	10 D		PRECAMBRIAN	5,940	1 0	0	1	40	236	4,748			119	
				NORTH ALLIS TWP,	, 35N-21	E, SECTIO	ON 29										·		
+	EXFORD COUNTY								<u> </u>					T					
W	EXFORD 5-24N-12W	NIAGARAN REEF	1974	WEXFORD WEXFORD TWP., 241	L	127 D	I	NIAGARAN	6,119	1 0	0	1	80	2,472	7,221			90	
WI	EXFORD 6-24N-12W	NIAGARAN REEF	1975	WEXFORD		153 D	41.1	NIAGARAN	6,061	1 1	0	1	80	159	159	I		2	
			·	WEXFORD TWP., 24M	N-12W, S	SECTION 6	5		I			1				l			
W	EXFORD 9-24N-12W	NIAGARAN REEF	1973	WEXFORD	6,232	4 D	69.8	NIAGARAN	6,265	1 0	0	1	80	7,394	COND. 7,634	78,979	78,979	95	
WE	EXFORD 9-24N-12W	NIAGARAN REEF		WEXFORD TWP., 24M	r				TT										
	POOL A	NIAGARAN REEI	1973	WEXFORD WEXFORD TWP., 24M		101 D	69.8	NIAGARAN	6,414	1 0	0	1	80			SHUT -	N		
WE	POOL B	NIAGARAN REEF	1974		6,681	71 D	42.4	NIAGARAN	6,324	1 0	0	1	80	31,528	31,603	12,976	12,976	395	
				WEXFORD TWP., 24M	1-12W, S	ECTION 9													
WE	EXFORD 10-24N-12W	NIAGARAN REEF	1972	· · · · · · · · · · · · · · · · · · ·	·	107 D	68.9	NIAGARAN	6,352	1 0	0	1	160	COND. 56,359	COND, 57,748	1,031,602	,057,808	361	
WP	XFORD 18-24N-12W	NIAGARAN REEF	1973	WEXFORD TWP., 24N WEXFORD	1-12W, S		0								COND,				
	XEORD 18-24N-12W	NIAGARAN REEF		WEXFORD -MANISTEE		96 D 54 D	42.1	NIAGARAN		2 0	0	2	280	18,671	18,726	693,349	693,349	67	
			L	WEXFORD TWP., 24N	t				to more the	1 - 1	<u> </u>		240	608	608		l	3	
	Д	SES IN FIELD NAME				_ / _			T	TOTALS		4	5,892	3,234,595 2	9,554,768	76,184,089	44,896,826		3,69
FIE SUC TO SMA THO MIC WER SEC	TORICALLY, WITH FE LDS HAVE BEEN NAME H AS TOWNS, VILLAG NUMERCUS NIAGARAN ILL AREAS AND A LAG ISE IN NORTHERN MICE HIGAN IN FUTURE YE	V EXCEPTIONS MIC D AFTER NEARBY GE IS, LAKES AND TOW REEF DISCOVERIES K OF SUITABLE ID HGAN AND POSSIBL ARS, THE NAMING S N 1971, MOST NEW D TOWNSHIP NAME. DISCOVERY WEIL	CHIGAN COGRAPH INSHIP WITHIN NTIFYI Y THOS SYSTEM NIAGAR FOLLO AND T	IC ENTITIES NAMES. DUE I RELATIVELY NG NAMES FOR E IN SOUTHERN HAS BEEN AN REEF FIELDS WED BY THE HEN BY NUMMER.		NECESS OF OIL FORMAT WHICH	SARILY M OR GAS FIONS, HAVE HA	SECTION OR PART C IEAN THE ENTIRE SE IN ANY OR ALL PC GNLY THOSE SECTIO D AT LEAST ONE WE RE LISTED.	CTION T TENTIAL INS OR P	D BE PRO LY PRODU ARTS OF 1	DUCTIV CTIVE SECTIO	NS							

	POOL CLASSI	FICATION	АВ	ANDORED OIL FIELD OR I	200L		±Żr ∧i	BANDONED GAS FIELD OR F	200L		1-2	Υ Αβi	ANDONED) GAS-CON	ENSATE FIELD	OR POOL	~	STORAGE RESER		SEP
ſ		PRODUCING	YEAR	COUNTY	1	PAY ZON		DEEPEST FORMATION	DEPTH			OF WE			OIL PRODUC		T	CTION - Mcf.	r	1
	FIELD NAME	FORMATION OR POOL	OF DISC.	TOWNSHIP PRODUCING SECTIONS	DEP TH	THICKNESS	GRAVITY	OR POOL TESTED	IN FEET	<u> </u>		ABAND.		DRILLED	PRODUCED	CUMULATIVE THROUGH	PRODUCED	CUMULATIVE	RECOVERY PER ACRE DRILLED (BBLS.)	٤L '
+	ADAIR	SALINA-NIAGARAN	1961	ST. CLAIR	FEET	LITHOLOGY	A.P.I. 41.4	NIAGARAN	2,755	14	19	75	10	560	1975	1975	1975	1975		+
1			1.,,,,,,	CHINA TWP., 4N-1 CASCO TWP., 4N-1	6E, SE	CTION 7	-t	1 available	2,755	1	L!	IGINA		560 WELLS TR	5,585 ANSFERRED	323,339	<u>`</u>	468,773	577	1
	ADAMS	TRAVERSE	1937	ARENAC-BAY	2,032	15 L	37.0	BOIS BLANC	5,079	1	0	0	7	240	1,428		1	r		Т
		DUNDEE	1937		2,958	15 L	34.7			31	0	0	17	310	9,707					╀
		DETROIT RIVER SZ	1956		3,943	5 L	39.6		+			-		1.0		E PRODUCTI	ON FROM ALL	POOLS COM	BINED	╀
		RICHFIELD	1941		4,278	5 L	35.5			31	0	0	7	1.080		1,537,520		T	943	+
)			.i	ADAMS TWP., 19N- 19N-4E, SECTION	3E, SE 31 GI	CTIONS 21 BSON TWP.	, 23 TH	ROUGH 27, 34, 35, SE, SECTIONS 1, 2	36 DE	EPR	IVER	1₩P.,	THE	E 7 WELL		- RICHEIFU	D, 1 SOUR Z	ONE, AND 2		Ι.
1	ADAMS, NORTH	BEREA	1942	ARENAC	1,605	1 S		DUNDEE	3,101	1	ABAN	DONED		40	S, KICHIJE	CD & SUDK I	2.046	1,280		Г
Ì		DUNDEE	1940		2,905	15 D	32.0	DETROIT RIVER	4,489	49	0	0	19	470	20,289	9,356,286		.,	19,907	1
5				ADAMS TWP., 19N-	3E, SE	CTIONS 11	, 14, 1	5, 22, 23, 27 BER	EA PRO	DUCT	10N -	SECT	ION 4					1	1.010-1	
A	ADAMS, SEC. 8	TRAVERSE	1962	HILLSDALE	1,420	4 L		PRAIRIE DU CHIEN	4,169	1	ABAN	DONED	1965	20				18,919		Т
1				ADAMS TWP., 65-2	W, SEC	TION 8				J							4		4	1
	AKRON	DUNDEE	1936	TUSCOLA	2,678	17 I.	37.3	NIAGARAN	7,941	50	0	2	29	1,100	19,318		T			Γ
		DETROIT RIVER SZ	1938		3,422	11 D	35.9	1		27	0	0	15	500	11,346	2,013,011			1,258	
D		RICHFIELD	1954		3,774	6 D	39.2					THE	15 WE 8 DD	ELLS INC	LUDE 2 RIC	HFIELD, 10	SOUR ZONE	AND 3 DUAL	COMPLET	10
		A-2 CARBONATE	1973		6,868	107 Đ	46.9			1	0	0	1	160					[Γ
X		A-1 CARBONATE	1973		7,452	60 D			1	2	0	0	2	320			SHUT	- I N	1	┢
)				AKRON TWP., 14N-	8E, SE	CTIONS 19	, 20, 2	1, 28, 29, 30 WIS	NER TW	ιP.,	14N-71	E, SE	CTIONS	5 22, 23	, 24, 25,	26 SALINA	PRODUCTION	- SECTIONS	5 32, 33	 ر
1	ALAMO	TRAVERSE	1949		1,310	2 L		TRAVERSE	1,420			DONED		160		27,545	<u> </u>		172	T
)				ALAMO TWP., 15-1	2W, SE	CTIONS 19	, 29, 3	0										· · · · · · · · · · · · · · · · · · ·		
8	ALBION	TRAVERSE	1941	CALHOUN	1,610	7 L		PRAIRIE DU CHIEN	4,623	4	ABAN	DONED	1948	120			[6,114		Γ
2				ALBION TWP., 35,	4W, S8	ECTIONS 1	4, 15											<u> </u>		
	ALBION-PULASKI-SCI	PIO TREND: FIELD	AND PF	ODUCTION DATA LIS	TED BY	TOWNSHIP	AND CO	UNTY												
4	CAL-LEE	NIAGARAN REEF	1962	CALHOUN	3,036	8 D		PRAIRIE DU CHIEN	4,975	8	0	0	5	440			228,373	2,059,070		
				LEE TWP., 1S-5W,	SECTIO	ONS 9, 15	, 16, 2	2 I WELL TRAN	SFERRE	D TO	LEE	16, 19	s-5₩	GAS STO	RAGE FIELO					
1	LEE TWP,	NIAGARAN REEF	1961	CALHOUN	3,060	20 D	24.2	PRAIRIE DU CHIEN	4,926	1	ABAN	DONED	1972	80	CUMULATIVE	PRODUCTIO	DN COMBINED	WITH TRENT	ON-BLAC	KF
		TRENT, -BLK, RIVER	1960		4,600	24+ D				31	2	0	22	440	70,586	2,484,748			4,778	1
			· · · · ·	LEE TWP., 1S-5W,	SECTIO	DNS 17, 2	2,23,2	5, 26, 36												
	SHERIDAN TWP.	TRENT, -BLK. RIVER	1960	CALHOUN	4,179	10+ D	40.0	PRAIRIE DU CHIEN	4,791	45	0	0	38	810	80,955	4,666,797	149,371	3,235,788	5,761	1
2				SHERIDAN TWP., 2	s-4W, s	SECTIONS	17, 18,	19, 20, 21, 28, 3	3											
	ALBION TWP.	TRENTBLK. RIVER	1958	CALHOUN	3,952	? D	44.0	PRAIRIE DU CHIEN	4,623	143	σ	1	132	2,780	514,667	23,008,102	2,038,518	42,353,847	8,276	3
1				ALBION TWP., 3S-	4W, SEC	TIONS 3,	4, 10,	11, 14, 15, 22, 2	3, 26,	27,	35, 3	36		,,						
1	PULASKI-HOMER TWPS	TRENTBLK. RIVER	1959	JACKSON-CALHOUN	3,766	66+ D	39.6	PRAIRIE DU CHIEN	4,395	140	0	0	134	2,680	500,336	25,855,644	3,088,615	44,766,820	9,648	1
)	SCIPIO-FAYETTE-			PULASKI TWP., 45	-3W, SE	CTIONS 6	, 7, 8,	17, 18, 19, 20, 2	1, 28,	29,	32, 3	33, 34	H 0M	ER TWP.	, 45-4W, SE	CTIONS 1,	12			
	MOSCOW TWPS,	TRENTBLK. RIVER	1957	HILLSDALE	3,576		41.4	PRAIRIE DU CHIEN	l			1	186	3,560		· · · · · · · · · · · · · · · · · · ·		56,279,190		_
2		T			3W, SEC	TIONS 3,	4, 10	THROUGH 15, 23, 24				TE TWP	P., 5S	-3W, SE	CTIONS 35,	36 MOSCOW	V TWP., 55-	2W, SECTION	IS 19, 3	۱,
+	ADAMS TWP.	TRENTBLK. RIVER	1959	HILLSDALE	3,984	6+ D	42.0	PRAIRIE DU CHIEN	4,162	77	9	2	59	1,300	243,502	7,433,675	829,493	11,135,792	5,718	
								, 7, 8, 10, 11, 14	·	ł		3		÷4					·	
4	TREND TOTAL (NOTE	: ONLY TRENTON-BLA	CK RIV	ER FIGURES INCLUD	ED IN T	REND TOT	ALS)			631	12	7	601	11,570	2,478,575	110,616,938	9,784,250	157,771,437	9,561	
-		SEE CENTER SPREA	D MAP	FOR TOWNSHIPS ASS	DCIATED	WITH AL	BION-SC	IPIO TREND												
		T	· · · · · · · · · · · · · · · · · · ·		,		·							·			,	,		_
+	ALGONAC	ANTRIM	1947	ST. CLAIR	302	6 SH	L	CABOT HEAD	2,504	2	ABANE	DONED	1951	80				7,830		
1	411 (CA):			CLAY TWP., 3N-16	1				· · · ·					····· ,						-
\mathbf{t}	ALLEGAN	TRAVERSE	1937	ALLEGAN	1,563	2 L	38.0	CINCINNATIAN		L	0	0	1	190	846	18,212	FIELD REAC	TIVATED-197	1 96	L
\mathbf{t}	AL DIAK	1	467				2,5,9	, 10, 13, 22, 23,			T.				,					
	ALPINE	NIAGARAN REEF	1963	ST. CLAIR	3,151	25 D		CLINTON	3,470	3	0	1	2	120			116,409	1,511,556		
		1		WALES TWP., 6N-1			·							·····						_
	ARBELA	DUNDEE	1946	TUSCOLA	2,557	7 L	35.3	DETROIT RIVER	3,375	35	0	0	2	350	2,570	339,437			970	
		11			-7F SE	CTIONS 2	8, 33,			. 1					·,			,		
		TRAVEROF		ARBELA TWP., 10N					2,239	1	ARAND	DONED	1962	10						
	ASHLAND, SEC. 8	TRAVERSE	1959	NEWAYGO	2,238	1 L		TRAVERSE	2,235	- 1	00000				I	267			27	
	ASHLAND, SEC. 8	· · · · · · · · · · · · · · · · · · ·		NEWAYGO ASHLAND TWP., 111	2,238 N-13W,	1 L SECTION	8	L			1				I	267		I	27	
		MICHIGAN STRAY	1946	NEWAYGO	2,238 N-13W, 1,215	1 L SECTION 2 S		DETROIT RIVER	3,779	3	0	0	1	400				205,680		
	ASHLAND, SEC. 8	MICHIGAN STRAY TRAVERSE	1946 1945	NEWAYGO ASHLAND TWP., 111	2,238 N-13W, 1,215 2,950	1 L SECTION 2 S 4 L	42.0	L			- 1				1,036		IVE PRODUC	205,680 FION INCLUD		
	ASHLAND, SEC. 8	MICHIGAN STRAY	1946	NEWAYGO ASHLAND TWP., 111 OSCEOLA	2,238 1,215 2,950 3,645	1 L SECTION 2 S 4 L 5 L	42.0 40.0	L		3	0	0	1	400	1,036	CUMULAT	IVE PRODUC NDEE			
	ASHLAND, SEC. 8 ASHTON	MICHIGAN STRAY TRAVERSE DUNDEE	1946 1945 1945	NEWAYGO ASHLAND TWP., 111 OSCEOLA LINCOLN TWP., 184	2,238 1,215 2,950 3,645	1 L SECTION 2 S 4 L 5 L	42.0 40.0	L		3 4	0	0	1	400 80		CUMULAT WITH DU	IVE PRODUC NDEE		ED	
	ASHLAND, SEC. 8	MICHIGAN STRAY TRAVERSE	1946 1945	NEWAYGO ASHLAND TWP., 111 OSCEOLA LINCOLN TWP., 181 OSCEOLA	2,238 N-13W, 1,215 2,950 3,645 N-10W, 1,297	1 L SECTION 2 S 4 L 5 L SECTIONS 5 S	42.0 40.0 5,6	L		3 4 4	0	0	1 3 4	400 80		CUMULAT WITH DU	IVE PRODUC INDEE		ED	
	ASHLAND, SEC. 8 ASHTON ASHTON, EAST	MICHIGAN STRAY TRAVERSE DUNDEE MICHIGAN STRAY	1946 1945 1945 1945	NEWAYGO ASHLAND TWP., 111 OSCEOLA LINCOLN TWP., 18H OSCEOLA LINCOLN TWP., 18H	2,238 1,215 2,950 3,645 4-10W, 1,297 1,297	1 L SECTION 2 S 4 L 5 L SECTIONS 5 S SECTION	42.0 40.0 5,6	DETROIT RIVER	3,779	3 4 4	0	0 0 0	1 3 4	400 80 200		CUMULAT WITH DU	IVE PRODUC INDEE		ED	
	ASHLAND, SEC. 8 ASHTON	MICHIGAN STRAY TRAVERSE DUNDEE	1946 1945 1945	NEWAYGO ASHLAND TWP., 111 OSCEOLA LINCOLN TWP., 18H OSCEOLA LINCOLN TWP., 18H	2,238 N-13W, 1,215 2,950 3,645 N-10W, 1,297	1 L SECTION 2 S 4 L 5 L SECTIONS 5 S	42.0 40.0 5,6	DETROIT RIVER	3,779	3 4 4	0	0 0 0	1 3 4	400 80 200		CUMULAT WITH DU	IVE PRODUC NDEE		ED	
	ASHLAND, SEC. 8 ASHTON ASHTON, EAST ATLANTA	MICHIGAN STRAY TRAVERSE DUNDEE MICHIGAN STRAY DETROIT RIVER	1946 1945 1945 1962 1945	NEWAYGO ASHLAND TWP., 111 OSCEOLA LINCOLN TWP., 189 OSCEOLA LINCOLN TWP., 189 MONTHORENCY AVERY TWP., 30N-2	2,238 N-13W, 1,215 2,950 3,645 N-10W, 1,297 N-10W, 2,183	1 L SECTION 2 4 L 5 L SECTIONS 5 SECTION 5 SECTION 5 SECTION 5 SECTION 5	42.0 40.0 5,6 3 36.2	DETROIT RIVER	3,779	3 4 4 4	0 0 0 ABAND	0 0 0 0 0 0 0 0 0 0	1 3 4 1970	400 80 200 160		CUMULAT WITH DU 477,379	IVE PRODUC INDEE		ED 1,705	
	ASHLAND, SEC. 8 ASHTON ASHTON, EAST	MICHIGAN STRAY TRAVERSE DUNDEE MICHIGAN STRAY	1946 1945 1945 1962 1945	NEWAYGO ASHLAND TWP., 111 OSCEOLA LINCOLN TWP., 189 OSCEOLA LINCOLN TWP., 189 MONTHORENCY AVERY TWP., 30N-	2,238 N-13W, 1,215 2,950 3,645 N-10W, 1,297 N-10W, 2,183	1 L SECTION 2 4 L 5 L SECTIONS 5 SECTION 5 SECTION 5 SECTION 5 SECTION 5	42.0 40.0 5,6 3 36.2 ,15	DETROIT RIVER REED CITY DETROIT RIVER	3,779	3 4 4 1 3	0 0 ABAND	0 0 0 DONED	1 3 4 1970	400 80 200 160 30		CUMULAT WITH DU 477,379 7,688	IVE PRODUC INDEE		ED 1,705	

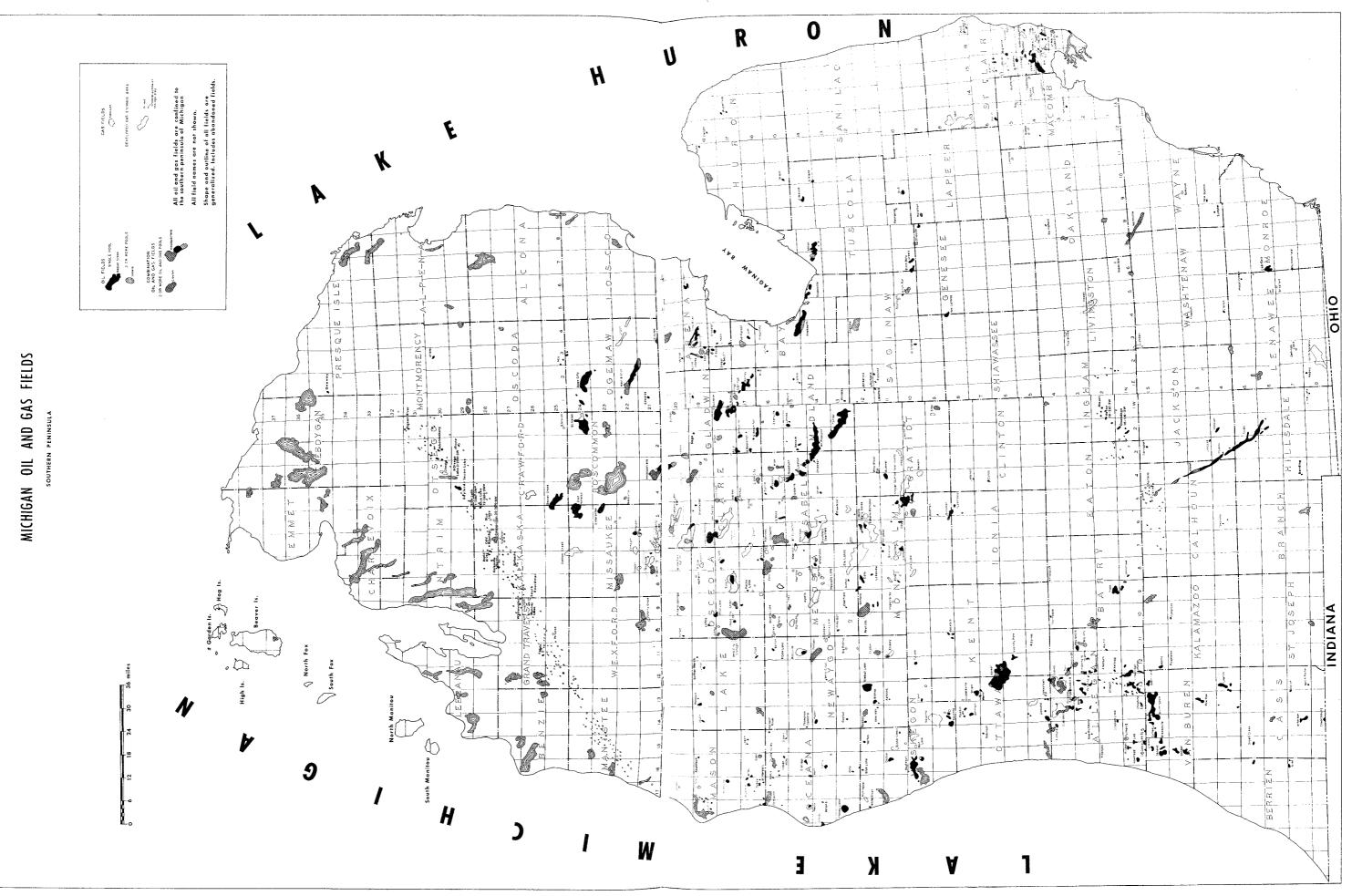
TABLE 3 MICHIGAN OIL AND GAS FIELDS

r	– POOL CLASSIF	ICATION		IVE GIL FIELD OR POOL NGONES DIL FIELD OR P	on;		II -	TIVE SAS FIELD OR POO ANDONED GAS FIELD OR !			T				D OR POOL ENSATE FIELD	DR POOL	Ť	TORAGE RESERV		ERVOIR
1		PRODUCING	Ī-Τ		1	PAY ZONE		DEEPEST FORMATION	T		<u></u>	WELL	T		DIL PRODUCT		GAS PRODUC		RECOVERY	TOTA
	FIELD NAME	FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCING SECTIONS	DEPTH IN FEET	THICKNESS AND LITHOLOGY		OR POOL TESTED	IN FEET	T0 C0	MP. A6A	ND. AC	TIVE	ACRES	PRODUCES IN 1975	CUMULATIVE TBROUGH 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PER ACRE	BARR BRI PER
A	URELIUS 26-2N-2W	NIAGARAN REEF	1974		3,954	100 D	16	NTAGARAN	4,445	2	1	0	2	160	3,321	3,321	806,000	806,000	21	
A	URELIUS 35-2N-2W	NIAGARAN REEF	1971	AURELIUS TWP., 2	3,942		37.3	NIAGARAN	4,445	4	0	c	4	320	291,462	761,191	156,989	379,495	2,379	
		L		AURELIUS TWP., 2	N-2W,	SECTIONS	26, 35,	36	1			ł			1		<u> </u>			
A	USTIN	REFER TO TABLE	+ DEVEL	OPED GAS STORAGE	RESERV	OIRS														
Е.	ANGOR	TRAVERSE	1939	VAN EUREN	1,002	2 L	29.5	TRENTON	2,552	65 A	BANDO	NED 1	959	610		933,965			1,531	
1_		1	T . T		1	· · · · · · · · · · · · · · · · · · ·	1	10, 14, 15, 16,				1		170		582,055	1		2 1 0	
B	ARD	DUNDEE	1949	GLADWIN BEAVERTON TWP.,	3,933		42.8	GROUT TWP., 18N	4,017	L			2	170	2,595	562,055			3,424	
) В В.	ARTON	TRAVERSE	1947	NEWAYGO	3,097	1 L	30.0	DETROIT RIVER	3,745			NED 1	963	50		20,277			406	
		L	1	BARTON TWP., 16N	-11W,	SECTION 1	6		1								·			
81	EAVER, SEC. 31	BEREA	1954	BAY	2,413	16 SL		SYLVANIA	4,754	1 A	BANDO	NED 1	961	10		1,053			105	
			· · · · · ·	BEAVER TWP., 15N	T	[T		<u> </u>									10 (20 (11		
81	EAVER CREEK UNIT	RICHFIELD	1947	KALKASKA	4,160	L	44.7	ST. PETER 8, 16 THROUGH 21	10,142			l		25N-5		10,832,151	130,896	18,670,641	2,555	1,1
) BI	EAVERTON	DUNDEE	1934	GLADWIN	3,929	· · · · · · · · · · · · · · · · · · ·	1	RICHFIELD	5,225			0	2	330	1,866	886,470			2,686	
)			1	BEAVERTON TWP.,			IS 2, 3,	11, 13	1		1						I			
) в	EAVERTON, SOUTH	TRAVERSE	1956	GLADWIN	3,231	6 L	41.0	DETROIT RIVER	4,977	TRAV	ERSE	C OMB I	NED WI	TH DU	NDEE					
4		DUNDEE	1936		3,845	12 L	34.5		1!				19	700		1,735,262			2,479	
	EAVERTON, WEST	DUNDEE	1943	BEAVERTON TWP., GLADWIN	17N-2W 3,876	, SECTION	45 26, 2	7, 35, 36 TOBACC	5,094			CTION 0	31 1	260	WELLS INCL 6,736	208,695	NDEE & 1 DUA	VDEE & TRAV	ERSE 80	
	EAVENIUM, WEST	DONDEE	1 (4)	BEAVERTON TWP.,			1		15,054	.']	<u> </u>						<u> </u>			
) в	ELLE RIVER MILLS	REFER TO TABLE 4	DEVELO	PED GAS STORAGE R																
) в	ELLY ACHERS	DUNDEE	1944	MONTCALM	3,470	1.3 D	48.2	DUNDEE	3,615	7	0	0	3	220	651	342,472			1,557	6
		r	·····	HOME TWP., 12N-6	1	3	14	·····	······											_
8	ENONA, SEC. 13	TRAVERSE	1949	OCEANA	1,640			DETROIT RIVER	2,276	2 A	BANDO	NED 1	956	20		4,951]	248	
в	ENTLEY	TRAVERSE	1952	BENONA TWP., 14N GLADWIN	2,855	6 L	34.1	SYLVANIA	5,114	TRAV	ERSE	C OMB I	NED W	TH DU	NDEE & RICH	FIELD				
		DUNDEE	1937		3,510	13 L	42.1			87	0	0	38							1
		RICHFIELD	1952		4,440	14 L	40.0			1		0		1,920		2,966,703			1,545	
<u>-</u>		·	+	BENTLEY TWP., 17	N-2E,	SECTIONS	16 THRC	UGH 21, 27, 28, 2	9, 34, 3	35	THE 3	9 WEL E, & I	RICHE	IELD			IPLE COMPLE	I ON TRAVER		
B	ERLIN	NIAGARAN	1960		3,800	· · · · · ·		CINCINNATIAN	4,310	4	0	0	3	140	4,596	369,436			2,639	
Ύ _в	EVENS LAKE	1	···· ·	BERLIN TWP., 6N-	195, 5		7					NED 1	969		·····					-
4-		MICHIGAN STRAY	1952	MECOSTA	1.244	6 S		REED CITY	3,731	3 A	BANDU							515,405		£
		MICHIGAN STRAY TRAVERSE	1952 1951	MECOSTA	1,244	6 S	44.2	REED CITY	3,731			0	1	40	1,062	96,599		515,405	2,415	
) {			+ +	MECOSTA	1	1 L	44.2	REED CITY	3,731	4	0	· · · ·		40 320	1,062	96,599	2,475	515,405 970,405	2,415	1
) {)		TRAVERSE DUNDEE	1951 1951	GREEN TWP., 16N-	2,997 3,536 10W, S	1 L 11 L ECTION 13				4	0	0	1	320			·	970,405		
+-		TRAVERSE	1951	GREEN TWP., 16N- ST. CLAIR	2,997 3,536 10W, S 2,898	1 L 11 L ECTION 13 5+ D	3 39.5	CLINTON	3,731	4	0	0	1		1,062	96,599 864,562	2,475	970,405	2,415	
	IG HAND	TRAVERSE DUNDEE NIAGARAN	1951 1951 1961	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5	2,997 3,536 10W, S 2,898 N-15E,	1 L 11 L ECTION 13 5+ D SECTION	3 39.5	CLINTON	3,097	4 3 10	0	0	1	320 200			·	970,405 656,486		
)		TRAVERSE DUNDEE	1951 1951	GREEN TWP., 16N- ST. CLAIR	2,997 3,536 10W, S 2,898 N-15E, 1,030	1 L 11 L ECTION 13 5+ D SECTION 5 S	39.5			4 3 10	0	0	1	320			·	970,405		
) { 8	IG HAND IG PRAIRIE	TRAVERSE DUNDEE NIAGARAN	1951 1951 1961	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO	2,997 3,536 10W, S 2,898 N-15E, 1,030	1 L 11 L ECTION 13 5+ D SECTION 5 S 11W, SECT	39.5	CLINTON	3,097	4 3 10	0 0 0 BANDO	0	1 1 10 961	320 200			·	970,405 656,486		
) 6 	IG HAND IG PRAIRIE	TRAVERSE DUNDEE NTAGARAN MICHIGAN STRAY	1951 1951 1961 1944	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP.	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896	1 L 11 L ECTION 13 5+ D SECTION 5 S 11W, SECT 2 L	3 39.5 24 TION 16	CLINTON REED CITY	3,097	4 3 10	0 0 0 BANDO	0 0 NED 1	1 1 10 961	320 200 160			·	970,405 656,486 152,864		
) 8 8 9 8 9	IG HAND IG PRAIRIE	TRAVERSE DUNDEE NTAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY	1951 1951 1961 1944 1947 1943	GREEN TWP., 16N- ST. CLAIR COLUNBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP.	2,997 3,536 10W, S 2,898 1,030 , 13N- 2,896 , 13N- 1,145	1 L 11 L ECTION 13 5+D SECTION 5 S 11W, SEC1 2 L 11W, SEC1 7 S	3 39.5 24 TION 16	CLINTON REED CITY	3,097	4 3 10 1 A 9 A	0 0 86ANDO 86ANDO	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 10 961 952 969	320 200 160 40			·	970,405 656,486 152,864 62,324 2,393,033		
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33	TRAVERSE DUNDEE NTAGARAN MICHIGAN STRAY DUNDEE	1951 1951 1961 1944 1947	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420	1 L 11 L ECTION 13 5+D SECTION 5 S 11W, SECT 2 L 11W, SECT 7 S 6 L	3 39.5 24 TION 16	CLINTON REED CITY DUNDEE REED CITY	3,097	4 3 10 1 A 9 A	0 0 86ANDO 86ANDO	0 0 NED 1	1 1 10 961 952 969	320 200 160 40			·	970,405 656,486 152,864 62,324		
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE	1951 1951 1961 1944 1947 1943 1965	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP.,	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420 15N-1	1 L 11 L ECTION 12 5+ D SECTION 5 S 11W, SECT 2 L 11W, SECT 7 S 6 L OW, SECTION	3 39.5 24 TION 16 TION 33	CLINTON REED CITY DUNDEE REED CITY	3,097 3,322 2,900 3,595	4 3 10 1 A 9 A 1 A	0 0 BBANDO BBANDO	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 10 961 952 969	320 200 160 40		864,562	111,245	970,405 656,486 152,864 62,324 2,393,033 44,498		
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33	TRAVERSE DUNDEE NTAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY	1951 1951 1961 1944 1947 1943	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420	1 L 11 L ECTION 13 5+ D SECTION 5 S 11W, SECT 2 L 11W, SECT 7 S 6 L OW, SECT 6 L	3 39.5 24 TION 16 TION 33 10NS 3, 39.7	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13	3,097	4 3 10 1 A 9 A 1 A 20	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 961 952 969 974	320 200 160 40 1,440 160	31,190	864,562	0	970,405 656,486 152,864 62,324 2,393,033 44,498		
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE	1951 1951 1961 1944 1944 1947 1943 1965	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP.,	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 2,896 , 13N- 1,145 3,420 15N-1 3,549 4,070	1 L 11 L ECTION 12 5+ D SECTION 5 S 11W, SEC1 2 L 11W, SEC1 7 S 6 L 0W, SECTI 6 L 7 0	39.5 24 TION 16 TION 33 10NS 3, 39.7 43.5	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD	3,097 3,322 2,900 3,595 4,995	4 3 10 1 A 1 A 1 A 20 10	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 10 961 952 969 974 19 9 9	320 200 160 40 1,440 160 400 200	31,190 6,212	864,562 CUMULATII COMBINED 827,415	0 VE PRODUCTI WITH DETRO	970,405 656,486 152,864 62,324 2,393,033 44,498	4,323	
) B B B B B B B B B B B B B	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE	1951 1951 1961 1944 1944 1947 1943 1965	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN	2,997 3,536 10W, S 2,898 N-15E, 2,898 1,030 ,13N- 1,145 3,420 15N-1 3,549 4,070 7N-1E, 3,540	1 L 11 L ECTION 12 5+ D SECTION 5 S 11W, SEC1 2 L 11W, SEC1 7 S 6 L 7 O SECTIONS 6 L 7 O SECTIONS 5 ?	39.5 24 TION 16 TION 33 10NS 3, 39.7 43.5 S 2, 3, 39.5	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER	3,097 3,322 2,900 3,595 4,995 THE 9 4,152	4 3 10 1 A 1 A 1 A 20 10 WELLS 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 10 961 952 969 974 19 9 9	320 200 160 40 1,440 160 400 200	31,190 6,212 3,971	864,562 CUMULATII COMBINED 827,415	0 VE PRODUCTI WITH DETRO	970,405 656,486 152,864 62,324 2,393,033 44,498	4,323	
) B B B C S S S S S S S S S S S S S	IG HAND IG PRAIRIE IG PRAIRIE, EC, 33 IG RAPIDS ILLINGS, SOUTH	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE	1951 1951 1961 1944 1944 1943 1947 1943 1965 1949 1950	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1	2,997 3,536 10W, S 2,898 1,030 , 13N- 2,896 1,030 , 13N- 2,896 1,145 3,420 15N-1 1,145 3,420 15N-1 3,549 4,070 7N-1E, 3,540	1 L 11 L ECTION 13 SECTION 5 SECTION 5 11W, SECT 2 L 11W, SECT 1W, SECT 6 OW, SECTION 5 SECTIONS 5 SECTIONS 5	339.5 24 110N 16 110N 33 10NS 3, 39.7 43.5 5 2, 3, 39.5 5 12, 13	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 5 BENTLEY TWP., 1	3,097 3,322 2,900 3,595 4,995 THE 9 4,152 TN-2E, 1	4 3 10 1 A 1 A 20 10 WELLS 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 961 952 969 974 19 9 Sour 8	320 200 160 40 1,440 160 200 200 2008 70	31,190 6,212 6,212 3,3071 6 1 SOUR 2 7,635	864,562 CUMULATII COMBINED 827,415 INE & DUND 193,444	0 VE PRODUCTI WITH DETRO	970,405 656,486 152,864 62,324 2,393,033 44,498	4,323	
B	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE	1951 1951 1961 1944 1944 1947 1943 1965 1949 1950	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA	2,997 3,536 10W, S 2,898 1,030 , 13N- 1,145 3,420 15N-1 3,549 4,070 7N-1E, 3,540 7N-1E, 2,504	1 L 11 L ECTION 12 5+ D SECTION 11W, SEC1 2 L 11W, SEC1 7 S 6 L 0W, SECTION 6 L 7 D SECTIONS 5 S 5 S 5 S 5 S 5 S 5 S 5 S 5	3 39.5 24 FION 16 FION 33 10NS 3, 39.7 43.5 5 2, 3, 39.5 5 12, 12 36.0	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER	3,097 3,322 2,900 3,595 HE 9 4,995 HE 9 4,152 N-2E, 1 3,263	4 3 10 1 A 9 A 1 A 20 10 WELLS 8 SECTIC 31	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 961 952 969 974 19 9 9 500R 8 31	320 200 160 40 1,440 160 200 200E	31,190 6,212 3,971 5 1 SOUR Z	864,562 CUMULATII COMBINED 827,415 INE & DUND	0 VE PRODUCTI WITH DETRO	970,405 656,486 152,864 62,324 2,393,033 44,498	4,323	
8 8 8 8 8	IG HAND IG PRAIRIE IG PRAIRIE, EC, 33 IG RAPIDS ILLINGS, SOUTH	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE	1951 1951 1961 1944 1944 1943 1947 1943 1965 1949 1950	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA	2,997 3,536 10W, S 2,898 1,030 , 13N- 1,145 3,420 15N-1 3,549 4,070 7N-1E, 3,540 7N-1E, 2,504	1 L 11 L ECTION 13 SECTION 5 SECTION 5 11W, SECT 2 L 11W, SECT 1W, SECT 6 OW, SECTION 5 SECTIONS 5 SECTIONS 7 SECTIONS 7 , SECTION 7	3 39.5 24 10N 16 10N 33 39.7 43.5 5 2, 3, 39.5 5 2, 3, 39.5 12, 12 10N 33 10N 33 10N 33 10N 33 10N 34 10N 16 10N 16	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER B BENTLEY TWP., 1 DETROIT RIVER	3,097 3,322 2,900 3,595 HE 9 4,995 HE 9 4,152 N-2E, 1 3,263	4 3 10 1 A 9 A 1 A 20 10 WELLS 8 SECTIO	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 9 9 9 9 9 9 9 9 9 9 9 9 9	320 200 160 40 1,440 160 200 200 2008 70	31,190 6,212 6,212 3,3071 6 1 SOUR 2 7,635	864,562 CUMULATII COMBINED 827,415 INE & DUND 193,444	0 VE PRODUCTI WITH DETRO	970,405 656,486 152,864 62,324 2,393,033 44,498	4,323	
8 8 8 8 8	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS, SOUTH	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE	1951 1951 1961 1944 1943 1965 1943 1965 1950 1957	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW	2,997 3,536 10W, S 2,898 1,0300 ,13N- 1,0300 ,13N- 1,145 3,420 15N-1 1,145 3,420 7N-1E, 3,549 4,070 7N-1E, 2,504 10N-6E 1,5300 2,536	1 L 11 L ECTION 13 SECTION SECTION SECTION 11W, SECT 11W, SECT 7 SECTION 5 GW, SECT 6 OW, SECTION 5 SECTIONS 5 TO SECTIONS SECTION 5 TO 5 10 L	3 39.5 24 TI ON 16 TI ON 33 39.7 43.5 5 2, 3, 39.5 5 12, 15 36.0 NS 25, 5 43.3 36.2	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 10 ENTLEY TWP., 1 DETROIT RIVER 16 ARBELA TWP., 1 DUNDEE DUNDEE	3,097 3,322 2,900 3,595 4,995 4,152 7N-2E, 1 3,263 0N-7E, 1 2,646 2,716	4 3 10 1 A 9 A 1 A 20 10 WELLS 8 SECTIC 26 A 34	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 9 9 9 9 9 9 9 9 9 9 9 9 9	320 200 160 40 1,440 160 200 2006 70 350 250 480	31,190 31,190 6,212 3,971 5 1 SOUR 7/ 7,635 11,761 10,712	864,562 CUMULATII COMBINED 827,415 INE & DUNDI 193,444 352,705 215,876 571,040	0 VE PRODUCTI WITH DETRO	970,405 656,486 152,864 62,324 2,393,033 44,498 DN T RIVER	4,323 1,379 2,763 1,008 864 1,190	
B B B B B B B B B B B B B B B B B B B	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS, SOUTH	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE DUNDEE BEREA	1951 1951 1961 1944 1944 1947 1943 1965 1949 1950 1957 1951	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW	2,997 3,536 10W, S 2,898 1,0300 ,13N- 1,0300 ,13N- 1,145 3,420 15N-1 1,145 3,420 7N-1E, 3,549 4,070 7N-1E, 2,504 10N-6E 1,5300 2,536	1 L 11 L ECTION 13 SECTION SECTION SECTION 11W, SECT 11W, SECT 7 SECTION 5 GW, SECT 6 OW, SECTION 5 SECTIONS 5 TO SECTIONS SECTION 5 TO 5 10 L	3 39.5 24 TI ON 16 TI ON 33 39.7 43.5 5 2, 3, 39.5 5 12, 15 36.0 NS 25, 5 43.3 36.2	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 5 BENTLEY TWP., 1 DETROIT RIVER 16 ARBELA TWP., 1 DUNDEE DUNDEE 0, 21 (BEREA) BI	3,097 3,322 2,900 3,595 4,995 4,152 7N-2E, 1 3,263 0N-7E, 1 2,646 2,716	4 3 10 1 A 9 A 1 A 9 A 1 A 20 10 WELLS 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 10 961 952 969 974 9974 99 9074 31 32 951 32 500R	320 200 160 40 1,440 160 200 200 200 200 200 200 200 200 200 2	31,190 31,190 6,212 3,971 5 1 SOUR 7/ 7,635 11,761 10,712	864,552 CUMULATII COMBINED 827,415 193,444 352,705 215,876 571,040	111,245	970,405 656,486 152,864 62,324 2,393,033 44,498 DN T RIVER	4,323 1,379 2,763 1,008 864 1,190 (DUNDE	
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS, SOUTH	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE DUNDEE BEREA	1951 1951 1961 1944 1944 1947 1943 1965 1949 1950 1957 1951	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420 15N-1 3,540 7N-1E, 3,540 7N-1E, 2,504 10N-6E 2,536 2,536 2,226	1 L 11 L ECTION 13 SECTION 5 SECTION 5 11W, SECT 1 7 S 6 L 7 0 SECTIONS 5 7 D SECTIONS 7 SECTIONS 7 SECTION 5 10 L , SECTION 3	3 39.5 24 TI ON 16 10N5 3, 39.7 43.5 5 2, 3, 39.5 5 12, 19 36.0 N5 25, 2 43.3 36.2 N5 19, 2	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 5 EENTLEY TWP., 1 DETROIT RIVER 56 ARBELA TWP., 1 DUNDEE DUNDEE 00, 21 (BEREA) BI TRAVERSE	3,097 3,322 2,900 3,595 4,995 4,152 7N-2E, 1 3,263 0N-7E, 1 2,646 2,716	4 3 10 1 A 9 A 1 A 9 A 1 A 20 10 WELLS 8 SECTIO 26 A 34 WP.,	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 10 961 952 969 974 9974 99 9074 90 9074 90 91 31 32 951 32 82 10 10 10 10 10 10 10 10 10 10	320 200 160 40 1,440 160 200 2006 70 350 250 480	31,190 31,190 6,212 3,971 5 1 SOUR 7/ 7,635 11,761 10,712	864,562 CUMULATII COMBINED 827,415 INE & DUNDI 193,444 352,705 215,876 571,040	111,245	970,405 656,486 152,864 62,324 2,393,033 44,498 DN T RIVER	4,323 1,379 2,763 1,008 864 1,190	
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS ILLINGS, SOUTH IRCH-BELA IRCH-RUN IISHOP	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE BEREA DUNDEE TRAVERSE TRENT -	1951 1961 1964 1944 1947 1944 1947 1947 1949 1955 1955 1955 1955 1955	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW BIRCH RUN TWP., 1	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420 15N-1 1,145 3,420 7N-1E, 3,540 7N-1E, 2,504 10N-6E 1,530 2,536 2,226 2,226 2,2213	1 L 11 L ECTION 13 SECTION 5 SECTION 2 L 11W, SECT 11W, SECT 7 SECTIONS 6 CW, SECTIONS 5 SECTIONS 7 SECTIONS 7 SECTIONS 7 SECTIONS 10 SECTION 3 SECTION 3	3 39.5 24 TI ON 16 10N5 3, 39.7 43.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 36.0 5 2, 4 36.0 5 2, 4 5 2, 5 7 2, 4 5 2, 5 7 2, 4 5 2, 5 7 3, 5 7 4, 5 7 3, 5 7 4, 5 7 3, 5 7 4, 5 7 3, 5 7 4, 5 7	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 10 ENTLEY TWP., 1 DETROIT RIVER 16 ARBELA TWP., 1 DUNDEE DUNDEE 10, 21 (BEREA) BI TRAVERSE 10, 30	3,097 3,322 2,900 3,595 7HE 9 4,995 7H-2E, 1 3,263 7N-2E, 1 3,263 0N-7E, 1 2,646 2,716 2,716 RCH RUN 2,238	4 3 10 1 A 9 A 1 A 9 A 1 A 20 10 10 WELLS 8 8 5 5 5 6 7 A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 9 9 9 9 9 9 9 9 9 9 9 9 9	320 200 160 40 1,440 160 200 200 200 200 200 200 200 200 200 2	31,190 31,190 6,212 3,971 5 1 SOUR 7/ 7,635 11,761 10,712	864,562 CUMULATIT COMBINED 827,415 193,444 352,705 215,876 571,040 571,040	0 VE PRODUCTI WITH DETRO EE P., 10N-5E,	970,405 656,486 152,864 62,324 2,393,033 44,498 DN T RIVER SECTION 12	4,323 1,379 2,763 1,008 864 1,190 (DUNDE	E)
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS ILLINGS, SOUTH IRCH-BELA	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE DUNDEE DUNDEE BEREA DUNDEE TRAVERSE	1951 1951 1961 1944 1944 1947 1943 1949 1950 1950 1951 1934 1954	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420 15N-1 1,145 3,420 7N-1E, 3,540 7N-1E, 2,504 10N-6E 2,536 2,536 2,226 2,226 2,226 2,226 2,226 2,268 2,289 2,299 2,29	1 L 11 L ECTION 13 SECTION 5 SECTION 2 L 11W, SECT 1W, SECT 7 SECTIONS 6 CW, SECTIONS 5 SECTIONS 7 SECTIONS 7 SECTIONS 7 SECTION 5 10 L , SECTION 3 , SECTION 9	3 39.5 24 10N 16 10N 33 39.7 43.5 5 2, 3, 39.7 43.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 4 36.0 NS 25, 2 43.3 36.2 NS 19, 2 NS 19, 2	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 5 EENTLEY TWP., 1 DETROIT RIVER 56 ARBELA TWP., 1 DUNDEE DUNDEE 00, 21 (BEREA) BI TRAVERSE	3,097 3,322 2,900 3,595 THE 9 4,955 THE 9 4,152 3,263 0N-7E, : 2,646 2,716 RCH RUN	4 3 10 1 A 9 A 1 A 9 A 1 A 20 10 10 WELLS 8 8 5 5 5 6 7 A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 9 9 9 9 9 9 9 9 9 9 1 9 9 1 32 9 9 1 32 9 51 32 1 32 1 32 1 1 32 1 1 1 1 1 1 1 1 1 1 1 1 1	320 200 160 40 1,440 160 200 200 200 200 200 200 200 200 200 2	31,190 31,190 6,212 3,971 5 1 SOUR 7/ 7,635 11,781 10,712 20, 29 T.	864,562 CUMULATII COMBINED 827,415 NNE & DUNDI 193,444 352,705 215,876 571,040 S71,0	0 VE PRODUCTI WITH DETRO EE P., 10N-5E,	970,405 656,486 152,864 62,324 2,393,033 44,498 ON 17 RIVER SECTION 12 SECTION 12	4,323 1,379 2,763 1,008 864 1,190 ((UNDE: 303 14	
	IG HAND IG PRAIRIE IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS ILLINGS, SOUTH IRCH-BELA IRCH-RUN IISHOP	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE BEREA DUNDEE TRAVERSE TRENT -	1951 1961 1964 1944 1947 1944 1947 1947 1949 1955 1955 1955 1955 1955	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW BIRCH RUN TWP., 1 LENAWEE BLISSFIELD TWP., 1	2,997 3,536 10W, S 2,898 N-15E, 1,030 , 13N- 2,896 , 13N- 1,145 3,420 15N-1 1,145 3,420 7N-1E, 3,540 7N-1E, 2,504 10N-6E 2,536 2,536 2,226 2,26 2,266 2,266 2,266	1 L 11 L ECTION 13 SECTION 5 SECTION 2 L 11W, SECT 1W, SECT 7 SECTIONS 6 CW, SECTIONS 5 SECTIONS 7 SECTIONS 7 SECTIONS 7 SECTION 5 10 L , SECTION 3 , SECTION 9	3 39.5 24 10N 16 10N 33 39.7 43.5 5 2, 3, 39.7 43.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 3, 39.5 5 2, 4 39.5 5 2, 4 5 2, 5 5 2, 4 5 2, 5 5 2, 5	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 10 ENTLEY TWP., 1 DETROIT RIVER 16 ARBELA TWP., 1 DUNDEE DUNDEE 10, 21 (BEREA) BI TRAVERSE 10, 30 GLENWOOD	3,097 3,322 2,900 3,595 7HE 9 4,995 7H-2E, 1 3,263 7N-2E, 1 3,263 0N-7E, 1 2,646 2,716 2,716 RCH RUN 2,238	4 3 10 1 A 9 A 1 A 9 A 1 A 9 A 1 A 20 10 WELLS 8 SECTIO 26 A 31 SECTIO 26 A 34 TWP., 7 A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 9 9 9 9 9 9 9 9 9 9 1 9 9 1 32 9 9 1 32 9 51 32 1 32 1 32 1 1 32 1 1 1 1 1 1 1 1 1 1 1 1 1	320 200 160 40 1,440 160 200 200 200 200 200 200 200 200 200 2	31,190 31,190 6,212 3,971 5 1 SOUR 20 7,635 11,781 10,712 20, 29 T. 10,712 20, 29 T. 0 SERVOIR PR.	864,562 CUMULATII COMBINED 827,415 NNE & DUNDI 193,444 352,705 215,876 571,040 S71,0	111,245	970,405 656,486 152,864 62,324 2,393,033 44,498 ON 17 RIVER SECTION 12 SECTION 12	4,323 1,379 2,763 1,008 864 1,190 ((UNDE: 303 14	E)
	IG HAND IG PRAIRIE IG PRAIRIE, IG PRAIRIE, EC. 33 IG RAPIDS ILLINGS ILLINGS ILLINGS, SOUTH IRCH-BELA IRCH-BELA IRCH-RUN IISHOP ILLISFIELD	TRAVERSE DUNDEE NIAGARAN MICHIGAN STRAY DUNDEE MICHIGAN STRAY DUNDEE DUNDEE DUNDEE DUNDEE DUNDEE DUNDEE BEREA DUNDEE TRAVERSE TRAVERSE	1951 1951 1961 1944 1944 1947 1944 1947 1949 1950 1950 1950 1951 1934 1954 1955	GREEN TWP., 16N- ST. CLAIR COLUMBUS TWP., 5 NEWAYGO BIG PRAIRIE TWP. NEWAYGO BIG PRAIRIE TWP. MECOSTA BIG RAPIDS TWP., GLADWIN BILLINGS TWP., 1 GLADWIN BILLINGS TWP., 1 SAGINAW-TUSCOLA BIRCH RUN TWP., SAGINAW BIRCH RUN TWP., NEWAYGO GARFIELD TWP., 1 LENAWEE BLISSFIELD TWP.,	2,997 3,536 10W, S 2,898 1,030 , 13N- 1,030 , 12N- 1,030 , 12N- , 12N- 1,030 , 12N-	1 L 11 L ECTION 13 SECTION SECTION SECTION 5 11W, SECT 1 7 S 6 L 0W, SECTION SECTIONS 5 ? SECTIONS ? SECTION SECTION 3 L V, SECTION 3.3	3 39.5 24 TI ON 16 TI ON 33 39.7 43.5 5 2, 3, 39.7 43.5 5 2, 3, 39.5 5 12, 12 36.0 NS 25, 9 43.3 36.2 43.3 36.2 43.3 36.2 NS 19, 7 NS	CLINTON REED CITY DUNDEE REED CITY 9, 10, 11, 13 RICHFIELD 10, 11 DETROIT RIVER 10 ENTLEY TWP., 1 DETROIT RIVER 16 ARBELA TWP., 1 DUNDEE DUNDEE 10, 21 (BEREA) BI TRAVERSE 10, 30 GLENWOOD	3,097 3,322 2,900 3,595 4,995 4,995 4,152 7N-2E, 1 3,263 0N-7E, 2,646 2,716 8,24 2,646 2,716 8,24 2,238 3,251 3,271	4 3 10 1 A 9 A 1 A 9 A 1 A 9 A 1 A 20 10 WELLS 8 SECTIC 26 A 31 SECTIC 26 A 34 TWP., 7 A 1 29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 9 9 9 9 9 9 9 9 9 9 9 9 9	320 200 160 40 1,440 160 200 200 200 200 200 200 200 200 200 2	31,190 31,190 6,212 3,971 5 1 SOUR 2 7,635 11,781 10,712 20, 29 Ti 20, 29 Ti 0 SERVOIR PRI 2,470	864,562 CUMULATII COMBINED 827,415 193,444 352,705 215,876 571,040 193,327 567 33,327 567 1,960,019	111,245	970,405 656,486 152,864 62,324 2,393,033 44,498 ON 17 RIVER SECTION 12 SECTION 12	4,323 1,379 2,763 1,008 864 1,190 (OUNDE 303 14 (SHUT-I)	E)

	POOL CLASSI	FICATION	-	TVE DIS FIELD OR POOL NODNES DIS FIELD OR *			T	TIVE GAS FIELD OR POO WWDOWED GAS FIELD OR F				,			D OR POOL INSATE STELE	OF POOL	÷	STORAGE RESER VELOPED GAS S		SER
٢		PRODUCING	YEAR	COUNTY	1	PAY ZON	E	DEEPEST FORMATION	DEPT		IMBER		15		DIL PRODUC	TION-BBLS	GAS PRODUC	CTION - Mr. f	RECOVERY	1
	FIELD NAME	FORMATION OR PODI	OF DISC.	TOWNSHIP PRODUCTING SECTIONS	DEPTH IN	AND	GRAVITY	OR POOL TESTED	FEET	TO END	COMP.	ABAND.		DRILLED ACRES	PRODUCED	CUMULATIVE THROUGH	PRODUCED	CUMULATIVE THROUGH	PER ACRE DRILLED	t °
+	ELCOMINGDALE	POOL	1938	VAN BUREN	FEET	LITHOLOGY	4.P.I.	INT. PETER SS.	3,42	2 431	· · · · ·	75	16	4,040	1975 6,526	1975	1975	1975	(BBLS.) 2,479	3
t		1		BLCOMINGDALE TWP	., 15-	-14W, SECI	TIONS 1,	2, 3, 6 THROUGH 1	18, 24		NE GRI		, 1S-	15W, SEC S-13W, S	TIONS 1, SECTION 18	2, 10 THROL	JGH 16, 23,	24		1
Ī	80×08	SALINA-NIAGARAN	1958	ST. CLAIR	2,45	7 292 D	37.7	PRECAMBRIAN	4,63	4 49	0	0	37	1,840	43,484	1,981,975	665,616	16,862,187	1,077	7
		· · · · · · · · · · · · · · · · · · ·	·····	CASCO TWP., 4N-1	5E, SE	CTIONS 29	9, 31, 3	2, W ¹ / ₂ 28, W ¹ / ₂ 33	RA TW	P., 3	N-15E	, SECI	TIONS	5,6						
-	BREEDSVILLE	TRAVERSE	1943	VAN BUREN	1,061	1 2 L	33.0	DETROIT RIVER	1,44	5 32	ABANI	DONED	1961	300		285,584			952	2
┝			1	GENEVA TWP., 15-	1	1	23, 24,		1		<u> </u>						r			T
╞	BRINTON	DUNDEE	1967	COLDWATER TWP	16N-6			DUNDEE	4,08	5 1	0	0	1	40	0	19,308	SHUT	DOWN	483	<u>1</u>
	BROOMFIELD- DEERFIELD	MICHIGAN STRAY	1930	ISABELLA	1,355	1	<u></u>	SYLVANIA	4,99	4 91	0	o	14	8,080			1	13,069,069		Т
t	DECKITCED	1			14N-6	W, SECTIONS	DNS 1, 2	, 3, 4, 5, 9, 10, 31, 32, 33, 36			, 15,		24, 25		IELD TWP.,	14N-5W, SE	CTIONS 7,		20, 29	<u> </u>),
t	SRUCE	NIAGARAN REEF	1974	масомв	3,696		1	NIAGARAN	4,02		1	0	2	320			SHUT	- 1 N		[
Ī			.1	BRUCE TWP., 5N-1	2E, SE	CTIONS 30), 31		·	• • •	LL.			(· · · · ·	1.
I	BUCKEYE, NORTH	DUNDEE	1936	GLADWIN	3,615	5 14 L	39.0	SYLVANIA	5,35	1 287	0	0	53	3,030	88,857	19,626,102		9,834	6,477	/
				BUCKEYE TWP., 18	N-1W,	SECTIONS	1, 2, 3	, 4, 9 THROUGH 15	HAY	TWP.,	18N-1	1E, SE	CTION	s 15, 16	5, 21, 22					
1	BUCKEYE, SOUTH	TRAVERSE	1956	GLADWIN	2,891	1 3 D	42.0	DETROIT RIVER	4,80	2 7	ABAN	DONED	1960	- PRODUC	TION COMB	INED WITH B	UCKEYE, SO	UTH DUNDEE		
1		DUNDEE	1936		3,570	1	39.0		ļ	197	0	0	27	2,270	17,983	5,069,707			2,233	-
-		DETROIT RIVER S	z 1964	BUCKEYE TWP., 18	4,481 N-1W,	SECTIONS	46.0 22 THRO	UGH 27, 35, 36 HA	Y TWP	1	O N-TE,	0 SECTI	1 10N 33	40	3,485	97,975			2,449	1
┝	BURDELL	DUNDEE	1959	BILLINGS TWP., 1 OSCEOLA	7N-1É,	, SECTIONS	4, 9,	TOBACCO TWP.,	17N-11 3,80	√, SE	CTION 0	0	1	1201	- 17	161. 222		1	1 001	Т
┝		REED CITY	1959		3,802	+	1		,.00	1				120 40	715	154,333		2	1,286	+
		1	1.700	BURDELL TWP., 20	L	.l	19	l	1	I	- PAN	UNED	. 505	40				1		1
	BUSHNELL	DUNDEE	1935	MONTCALM	3,105	5 2 L	33.9	DUNDE E.	3,12	5 1	ABANI	DONED	1939	10		4,035			403	
				BUSHNELL TWP., 9	N-6W,	SECTION 1	 I		<u> </u>	1	·							· · · · · · · · · · · · · · · · · · ·	-	-l
	BUTMAN	TRAVERSE	1950	GLADWIN	2,789	9 2 L		SYLVANIA	5,02	7 1	ABANI	DONED	1953	- PRODUC	TION COMB	INED WITH B	UTMAN RICH	FIELD		Γ
		DUNDEE	1949		3,596	56L	41.4		-	1	ABANI	DONED	1963	- PRODUC	TION COMB	INED WITH B	UTMAN RICH	FIELD		
		RICHFIELD	1949	GLADWIN	4,921	1 10 D	41.6			5	0	0	5	240	4,082	327,025			1,363	
								RSE) BUTMAN TWP.,			_		12,	13, 14 (DUNDEE &	RICHFIELD)				
-	CAL-LEE	REFER TO ALBION	TT	MISSAUKEE -		1	GARAN 01	L AND GAS PRODUCTI		7			1054					0		1
-	CANNON CREEK	TRAVERSE	1950	KALKASKA	2,695 N-6W,	1	6, 7, 1	RICHFIELD 8 PIONEER TWP., 2 FIELD TWP., 25N-7W			ABANE TIONS			3,360				851,369		1
-	CAPAC	NIAGARAN	1961	GARFIELD TWP., 2 ST, CLAIR	5N-6W,	1	31 GAR	MT. SIMON SS.	6,33		25, 3	36 0	48	9,120		5,983	42,188	21,304,885		T
-		1100000	1,001		13F 9	SECTIONS 4	1, 5, 8,	9 16 THROUGH 21					40	9,120]	5,905		GAS RESERVO	IR PROD	UC DUC
	CAREY LAKE	REED CITY	1966	NEWAYGO	3,411	T		REED CITY	3,41	3 2	0	0	2	80	6,111	25,132		STALL QUAR	314	1
				GOODWELL TWP., 1	4N-110	✓, SECTION	1 26							ł						·
	CASCO	TRAVERSE	1940	ALLEGAN- VAN BUREN	1,095	5 1.5 L	38.6	TRAVERSE	1,11	5 9	ABAND	DONED	1959	50		17,382			348	
_				CASCO TWP., 1N-1	6W, SE	CTIONS 34	+,35 G	ENEVA TWP., 1S-16W	, SECT	FI ON	4									-
			T		3,696		i			8 0	0	0	7	300	16,769	424,699			1,416	
_	CAT CREEK	DUNDEE	1968	OSCEOLA	L		1	DUNDEE	3,89											
		····		HERSEY TWP., 17N MONTCALM-	-9W, S	SECTIONS 4	1		1					(70	17 001	1 102 704		-	1 (1-7	
	CAT CREEK CATO	DUNDEE REED CITY	1968 1944	HERSEY TWP., 17N MONTCALM- MECOSTA	-9W, S 3,542	SECTIONS 4	44.7	DETROIT RIVER	3,73	1 . 1		0	11	670	17,204	1,103,704			1,647	1
		····	1944	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8	-9W, S 3,542 W, SEC	SECTIONS 4 2 3 D CTIONS 3,	44.7	DETROIT RIVER , 9 DEERFIELD TWP	3,73	v-9W,				¥	17,204	1,103,704		1,402,820	La	<u> </u>
	CATO	REED CITY		HERSEY TWP., 17N MONTCALM- MECOSTA	-9W, S 3,542	ECTIONS 4 2 3 D CTIONS 3, 0 7 S	44.7	DETROIT RIVER	3,73	v-9W,	SECT	10N 36	; ;	670 800 400	17,204	CUMULATIVE	PRODUCTIO	1,402,820 N COMBINED	1,647 SHUT	<u> </u>
	CATO	REED CITY MICHIGAN STRAY	1944 1945	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8	-9W, S 3,542 W, SEC 1,490	ECTIONS 4 2 3 D CTIONS 3, 0 7 S 0 2 L	44.7	DETROIT RIVER , 9 DEERFIELD TWP	3,73	v-9W,	SECTI	0 I	4	800	4,702		PRODUCTIO		La	
	CATO	REED CITY MICHIGAN STRAY DUNDEE	1944 1945 1943	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-B OSCEOLA	-9W, S 3,542 W, SEC 1,490 3,810 5,060	SECTIONS 4 2 3 D 2 3 D 2 3 D 0 7 S 0 2 L 0 6 L	44.7 4, 6, 8 46.0 44.7	DETROIT RIVER , 9 DEERFIELD TWP	3,73	N-9W, 5 5 10 4	SECT 0 0	0 0 0	4	800 400 140	4,702	CUMULATIVE WITH RICHF 1,158,020	IELD	N COMBINED	SHUT 2,144	
	CATO	REED CITY MICHIGAN STRAY DUNDEE	1944 1945 1943	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-B OSCEOLA	-9W, S 3,542 W, SEC 1,490 3,810 5,060	ECTIONS 4 2 3 D CTIONS 3, 0 7 S 0 2 L 0 6 L ECTIONS 27	44.7 4, 6, 8 46.0 44.7	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA	3,73 ., 131 5,16 RAY)	N-9W, 5 5 10 4 CEDA	SECT 0 0	0 0 0 0	5 4 5 4	800 400 140	4,702	CUMULATIVE WITH RICHF 1,158,020	IELD	N COMBINED	SHUT 2,144	
	CATO CEDAR CEDAR CREEK	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA"	1944 1945 1943 1945 1940	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP.	-9W, S 3,542 W, SEC 1,490 3,810 5,060 9W, SE 1,125 , 11N-	SECTIONS 4 2 3 D CTIONS 3, 7 S D 7 S D 2 L D 6 L ECTIONS 27 5 7 D 5 7 D 15W, SECT 15W, SECT 15W, SECT	44.7 4, 6, 8 46.0 44.7 7, 28, 3	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3	3,73 , 131 5,16 RAY) 2,25 2	x-9W, 5 5 10 4 CEDA 2 7	SECTI 0 0 R TWP, ABANE	0 0 0 0 0 0	4 5 4 1-9W, 1960	800 400 140 SECTIONS 1,120	4,702	CUMULATIVE WITH RICHF 1,158,020	IELD	N COMBINED	SHUT 2,144	
	CATO CEDAR	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA"	1944 1945 1943 1945	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. MUSKEGON	-9W, S 3,542 4,490 3,810 5,060 9W, SE 1,125 , 11N- 1,951	SECTIONS 4 2 3 0 CTIONS 3, 0 7 S 0 2 L 0 3 6 L CTIONS 2, L 3 6 L CTIONS 2, L 3 7 D -15W, SECT 2 L	44.7 4, 6, 8 46.0 46.0 44.7 7, 28, 3	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE	3,73 , 131 5,16 RAY) 2,25	x-9W, 5 5 10 4 CEDA 2 7	SECTI 0 0 R TWP, ABANE	0 0 0 0	4 5 4 1-9W, 1960	800 400 140 SECTIONS	4,702	CUMULATIVE WITH RICHF 1,158,020	IELD	N COMBINED	SHUT 2,144	
	CATO CEDAR CEDAR CREEK CEDAR CREEK, SEC.23	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE	1944 1945 1943 1945 1946 1940	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. MUSKEGON CEDAR CREEK TWP.	-9W, S 3,542 W, SEC 1,490 3,810 5,060 9W, SE 1,125 , 11N- 1,951 , 11N-	SECTIONS 4 2 3 D TIONS 3, 7 S 2 2 L 2 6 L CTIONS 27 7 D 3 7 N 3 7 S 4 7 N 5 7 D -15W, SECT 2 L -15W, SECT SECT	44.7 4, 6, 8 46.0 44.7 7, 28, 3 10NS 7, 10NS 7,	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE	3,73 ., 131 5,169 RAY) 2,255 2 2,455	N-9W, 5 5 10 4 CEDA 2 7 3 2 7	SECTI 0 0 R TWP. ABANE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960	800 400 140 SECTIONS 1,120 50	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652	IELD	N COMBINED	SHUT 2,144) 53	
	CATO CEDAR CEDAR CREEK	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA"	1944 1945 1943 1945 1940	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. MUSKEGON CEDAR CREEK TWP. LAKE	-9W, S 3,542 W, SEC 1,490 3,810 5,060 9W, SE 1,125 ,11N- 1,951 ,11N- 2,460	SECTIONS 4 2 3 D TIONS 3, 7 S 2 2 L 2 6 L 2 6 L 2 7 D 3 7 Z 4 15W, SECT 1 15W, SECT 2 L 1 5 4 SL	44.7 4, 6, 8 46.0 44.7 7, 28, 3 10NS 7, 10NS 7,	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3	3,73 , 131 5,16 RAY) 2,25 2	N-9W, 5 5 10 4 CEDA 2 7 3 2 7	SECTI 0 0 R TWP, ABANE	0 0 0 0 0 0	4 5 4 1-9W, 1960	800 400 140 SECTIONS 1,120	4,702	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34	IELD	N COMBINED	SHUT 2,144	
	CATO CEDAR CEDAR CREEK CEDAR CREEK, SEC.23	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE	1944 1945 1943 1945 1946 1940	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. MUSKEGON CEDAR CREEK TWP.	-9W, S 3,542 W, SEC 1,490 3,810 5,060 9W, SE 1,125 ,11N- 1,951 ,11N- 2,460	SECTIONS 4 3 D 2 3 D TIONS 3, 2 7 S D 2 2 L D 2 2 L D 2 2 L D 2 1 D 6 L 2 1 TN, SECT SECTIONS 27 1 15W, SECT 2 L 1 5W, SECT 4 SL 2 4 SL SECTIONS 1	44.7 4, 6, 8 46.0 44.7 7, 28, 3 10NS 7, 10NS 7,	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE	3,73 ., 131 5,169 RAY) 2,255 2 2,455	N-9W, 5 5 10 4 2 7 3 2	SECTI 0 0 R TWP. ABANE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968	800 400 140 SECTIONS 1,120 50	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652	IELD	N COMBINED	SHUT 2,144) 53	
	CATO CEDAR CEDAR CREEK CEDAR CREEK, SEC.23 CHASE	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE "BEREA"	1944 1945 1943 1945 1940 1940 1949	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N-	-9W, S 3,542 1,490 3,810 5,060 5,060 5,060 1,125 9W, SEE 9W, SEE 1,125 11N- 1,951 1,955 1,951 1,955 1,951 1,955 1,	SECTIONS 4 3 D 2 3 D TIONS 3, 2 7 S D 2 2 L D C 2 2 L D C L 2 2 L D C L 3 7 7 D C L 4 7 0 - L - 15W, SECT 2 L - <td>44.7 4, 6, 8 46.0 44.7 7, 28, 3 1 10NS 7, 10NS 7, 1 10NS 23</td> <td>DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER</td> <td>3,73 -, 13 5,16 (RAY) 2,25 2 2,45 3,73 1</td> <td>N-9W, 5 5 10 4 2 7 3 2</td> <td>SECT 0 0 0 R TWP. ABANE ABANE</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 4 1-9W, 1960 1968</td> <td>800 400 140 SECTIONS 1,120 50 20</td> <td>4,702 7,672 10, 27,</td> <td>CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652 8,936</td> <td>IELD</td> <td>N COMBINED</td> <td>SHUT 2,144 () 53 447</td> <td></td>	44.7 4, 6, 8 46.0 44.7 7, 28, 3 1 10NS 7, 10NS 7, 1 10NS 23	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER	3,73 -, 13 5,16 (RAY) 2,25 2 2,45 3,73 1	N-9W, 5 5 10 4 2 7 3 2	SECT 0 0 0 R TWP. ABANE ABANE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968	800 400 140 SECTIONS 1,120 50 20	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652 8,936	IELD	N COMBINED	SHUT 2,144 () 53 447	
	CATO CEDAR CEDAR CREEK CEDAR CREEK, SEC.23 CHASE	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE "BEREA"	1944 1945 1943 1945 1940 1940 1949	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD	-9W, S 3,542 1,490 3,810 5,060 5,060 5,060 1,125 9W, SEE 9W, SEE 1,125 11N- 1,951 1,955 1,951 1,955 1,951 1,955 1,	SECTIONS 4 2 3 D TIONS 3, 7 S D 2 L D 2 L D 6 L CTIONS 27 6 SECTIONS 27 1 1 2 L 15W, SECT 4 SL SECTIONS 1 4 D 4 D 4 4 D 4	44.7 4, 6, 8 46.0 44.7 7, 28, 3 1 10NS 7, 10NS 7, 1 10NS 23	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER	3,73 -, 13 5,16 (RAY) 2,25 2 2,45 3,73 1	N-9W, 5555 104 4 277 827 427	SECT 0 0 0 R TWP. ABANE ABANE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968 1 1953	800 400 140 SECTIONS 1,120 50 20	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652 8,936	IELD	N COMBINED	SHUT 2,144 () 53 447	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC. 23 CHASE CHERRY GROVE CHERRY GROVE	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE ''BEREA" TRAVERSE	1944 1945 1943 1945 1940 1949 1949 1943	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP WEXFORD	-9W, S 3,542 3,542 3,810 5,060 9W, SE 5,060 9W, SE 1,490 9W, SE 1,490 9W, SE 1,125 9W, SE 1,125 11,25 11,25 11,25 11,25 11,490 1,951 11,955 11	SECTIONS 4 3 D 2 3 D TIONS 3, 2 7 S 2 2 6 L CTIONS 27 3 7 D - 4 5 CTIONS 27 - -15W, SECTIONS 1 - - - -15W, SECTIONS 1 - - - -15W, SECTIONS 1 - - - -10W, SECTIONS 1 - - -	44.7 4, 6, 8 46.0 44.7 7, 28, 3 1 10NS 7, 10NS 7, 10N 23 19, 29 2110N 27	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE	3,73 , 131 5,16 , 131 5,16 2,25 2 2,45 3,73 3,99 4,088	N-9W, 5 5 10 4 2 7 3 2 4 2 3 1	SECT 0 0 0 0 0 0 ABANE ABANE ABANE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 5 4 4-9w, 1960 1968 1 1953	800 400 140 50 1,120 50 20	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652 8,936	IELD (DUNDEE AN	N COMBINED D RICHFIELC 624,528	SHUT 2,144 () 53 447	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC. 23 CHASE CHERRY GROVE CHERRY GROVE	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE ''BEREA" TRAVERSE	1944 1945 1943 1945 1940 1949 1949 1943	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP WEXFORD	-9W, S 3,542 3,542 3,810 5,060 9W, SE 5,060 9W, SE 1,125 9W, SE 1,125 9W, SE 1,125 11,125 11N- 2,460 11W, S 3,145 3,145 3,145 1,326	SECTIONS 4 2 3 D 7 S 2 D 2 L 2 D 2 L 2 D 2 L 2 D 4 L 15W, SECT SECTIONS 1 SECTIONS 1 L 4 D 4 L 4 SECTIONS 1 L 4 L 4 L 10W, SECT L 4 L 10W, SECT L 10W, SECT	44.7 4, 6, 8 46.0 44.7 7, 28, 3 7 10N 23 9, 29 9, 29 9, 29 5 710N 27 7 710N 13	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE DETROIT RIVER DUNDEE DUNDEE DUNDEE	3,73 , 131 5,16 2,25 2 2,45 3,73 3,99 4,08	N-9W, 55 10 4 27 327 3227 427 3327 427 427 427 427 427 427 427 427 427 4	SECT 0 0 0 0 0 0 ABANE ABANE ABANE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968 1 1953 1953 8	800 400 140 50 1,120 50 20	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28, 33, 34 2,652 8,936	IELD (DUNDEE AN	N COMBINED D RICHFIELC 624,528	SHUT 2,144 () 53 447	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC.23 CHASE CHERRY GROVE CHERRY GROVE SEC. 13	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE "BEREA" TRAVERSE MICHIGAN STRAY	1944 1945 1943 1945 1949 1949 1949 1949 1957	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- MEXFORD CHERRY GROVE TWP WEXFORD CHERRY GROVE TWP	-9W, S 3,542 3,542 3,542 1,490 3,810 5,060 9W, SEC 1,490 3,812 5,060 9W, SEC 1,490 1,125 1,125 1,125 3,145 1,326 1,326 1,326 1,219 1,326 1,219 1,22	SECTIONS 4 2 3 D 2 3 D TIONS 3, 7 S 2 2 L 2 C L 2 6 L C C C L 3 7 5 7 D C L C	44.7 4, 6, 8 46.0 44.7 7, 28, 3 10NS 7, 10N 23 9, 29 710N 27 10N 27 110N 13 35	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE CLAM LAKE TWP.,	3,73 , 131 5,16 2,25 2 2,45 3,731 3,998 4,086 21N-99	N-9W, 55 10 4 27 327 3227 427 3327 427 427 427 427 427 427 427 427 427 4	SECT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968 1 1953 1953 8	800 400 140 SECTIONS 1,120 50 20 10 640	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814	IELD (DUNDEE AN	N COMBINED D RICHFIELC 624,528	SHUT 2,144 () 53 447 481	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC.23 CHASE CHERRY GROVE CHERRY GROVE SEC. 13	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE "BEREA" TRAVERSE MICHIGAN STRAY	1944 1945 1943 1945 1949 1949 1949 1949 1957	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-8 OSCEOLA CEDAR TWP., 12N-8 OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP WEXFORD CHERRY GROVE TWP ALLEGAN	-9W, S 3,542 3,542 3,542 1,490 3,810 5,060 9W, SEC 1,490 3,812 5,060 9W, SEC 1,490 1,125 1,125 1,125 3,145 1,326 1,326 1,326 1,219 1,326 1,219 1,22	SECTIONS 4 2 3 D TIONS 3, 7 S 2 2 L 2 6 L 2 10NS 27 G 2 L C 3 0 7 D -15W, SECT 2 L -15W, SECTIONS 1 SECTIONS 1 SECTIONS 5 -10W, SEC 35 S +10W, SEC 2 L -5 35 S -10W, SECTIONS 2 L -10W, SECTIONS 1 SECTIONS	44.7 7 4, 6, 8 46.0 44.7 7, 28, 3 1 10N 23 19, 29 19, 29 110N 13 35 26, 27	DETROIT RIVER , 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE CLAM LAKE TWP.,	3,73 , 131 5,16 2,25 2 2,45 3,731 3,998 4,086 21N-99	x-9W, 5 5 10 4 2 7 3 2 7 3 2 4 2 3 1 5 4 2 5 4 2 5 4 2 5 4 2 5 4 2 5 3 3	SECT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968 1 1953 1953 8	800 400 140 SECTIONS 1,120 50 20 10 640	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814	IELD (DUNDEE AN	N COMBINED D RICHFIELC 624,528	SHUT 2,144 () 53 447 481	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC. 23 CHASE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHESTER CHESTER	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE MICHIGAN STRAY TRAVERSE ANTRIM	1944 1945 1943 1945 1948 1949 1949 1949 1949 1949 1943 1952 1957 1947	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-B OSCEOLA CEDAR TMP., 12N-B CEDAR TMP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP MEXFORD CHERRY GROVE TWP ALLEGAN CHESHIRE TWP., 129 CHESTER TWP., 29	-9W, S 3,542 3,542 4,490 1,490 3,810 5,060 9W, SE 6,060 9W, SE 1,125 9W, SE 1,125 1,125 9W, SE 1,125 9W, SE 1,125 1,1	SECTIONS 4 3 D 2 3 D TIONS 3, 7 5 2 L 2 6 L CTIONS 27 3 7 D CTIONS 27 3 7 D CTIONS 27 4 5 CTIONS 11 CTIONS 11 5 4 D CTIONS 15 5 35 S N-10W, SECT 4 D CTIONS 27 S 5 35 S N-10W, SECT 5 2 L SECTIONS 12 5 2 L SECTIONS 27 7 2 L SECTIONS 27 6 35 S SECTIONS 27	44.7 4,6,8 46.0 44.7 7,28,3 1710N57, 19,29 19,29 19,29 10N 23 35 26,27 4 10,11,	DETROIT RIVER 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE DUNDEE CLAM LAKE TWP., TRAVERSE NIAGARAN 14, 15, 16	3,73 ,131 5,16 2,25 2 2,45 3,734 3,99 4,088 4,088 6,870	x-9W, 55510 4027 827 827 832 831 831 831 831 831 833 833 8455 833	SECT I 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9W, 1960 1968 1 1958 1958 1958 16	800 400 140 50 140 50 50 20 20 10 640 30	4,702 7,672 10, 27, 158	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814 9,290	(DUNDEE AN	N COMBINED D RICHFIELD 624,528 924,719 924,719 818,843	SHUT 2,144)) 53 447 481 310	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC. 23 CHASE CHERRY GROVE CHERRY GROVE CHERRY GROVE, SEC. 13 CHESHIRE	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE MICHIGAN STRAY TRAVERSE	1944 1945 1943 1945 1946 1949 1949 1949 1952 1957	HERSEY TWP., 17N MONTCALM. MECOSTA CATO TWP., 12N-BO OSCEOLA CEDAR TWP., 12N-BO OSCEOLA CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP WEXFORD CHERRY GROVE TWP ALLEGAN CHESHIRE TWP., 10 OTSEGO CHESTER TWP., 29 MACOMB	-9W, S 3,542 3,542 4,490 1,490 3,810 5,060 9W, SE 6,060 9W, SE 7,125 9W, SE 1,125 9W, SE 1,125 9W, SE 1,125 9W, SE 1,125 9W, SE 1,490 1,490 1,490 1,125 1	SECTIONS 4 2 3 D TIONS 3, 7 S 2 2 L 3 7 S 2 2 L 3 7 S 2 2 L 2 6 L COLIONS 27 7 3 7 3 7 2 L -15W, SECTIONS 1 2 4 SECTIONS 1 3 5 -10W, SEC 3 5 -10W, SEC 3 5 -10W, SEC 3 2 SECTIONS 2 2 SECTIONS 2 7 2 7	44.7 4,6,8 46.0 44.7 7,28,3 1 1005 7, 1008 7, 1008 23 9,29 1 100 23 35 26,27 4 10,11, 40,3	DETROIT RIVER 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE CLAM LAKE TWP., TRAVERSE NIAGARAN 14, 15, 16 CLINTON	3,73 2,131 5,16 2,25 2,25 2,45 3,734 3,998 4,088 4,088 1,348	x-9W, 55510 4027 827 827 832 831 831 831 831 831 833 833 8455 833	SECTIONS ABANC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4-9W, 1960 1968 1 1953 8 1958	800 400 140 SECTIONS 1,120 50 20 10 640 30	4,702 7,672 10, 27,	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814	(DUNDEE AN	N COMBINED D RICHFIELD 624,528	SHUT 2,144 () 53 447 481	
	CATO CEDAR CEDAR CEDAR CREEK CEDAR CREEK, SEC.23 CHASE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHESTER CHESTER	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE "BEREA" TRAVERSE MICHIGAN STRAY TRAVERSE ANTRIM NIAGARAN	1944 1945 1943 1945 1943 1945 1949 1949 1949 1949 1949 1952 1957 1947 1965 1965	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-B OSCEOLA CEDAR TMP., 18N- MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP MEXFORD CHERRY GROVE TWP ALLEGAN CHESHIRE TWP., 12 OTSEGO CHESTER TWP., 29 MACOMB CHESTERFIELD TWP	-9W, S 3,542 W, SEC 1,49C 3,81C 5,06C 5,06C 1,49C 1,49C 1,49C 1,49C 1,49C 1,125	SECTIONS 4 3 D 2 3 D TIONS 3, 7 S 2 L 6 L CTIONS 27 TO 15W, SECT 7 D TO 15W, SECT 2 L L 15W, SECTIONS 1 2 L SECTIONS 1 2 4 SL SECTIONS 1 2 4 D N-10W, SEC 3 3 S N-10W, SEC 3 2 L SECTIONS 1 2 2 L SECTIONS 1 3 2 L SECTIONS 27 3 2 L SECTIONS 27 3 7 D SECTIONS 27 3 7 D 14E, SECT	44.7 4,6,8 46.0 44.7 7,28,3 1 1005 7, 1008 7, 1008 23 9,29 1 100 23 35 26,27 4 10,11, 40,3	DETROIT RIVER 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE CLAM LAKE TWP., TRAVERSE NIAGARAN 14, 15, 16 CLIMTON 29	3,73 -, 134 5,169 2,25 2,455 3,734 3,998 4,086 21N-99 1,344 6,870 2,701	N-9W, 5 5 10 4 2 7 3 2 3 1 2 3 1 2 3 1 2 3 1 2 3 3 3 1 5 7 7 7	SECT II 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9w, 1960 1968 1 1953 1953 1973 8 1958 16 2	800 400 140 50 140 50 20 20 640 30 640 280	4,702 7,672 10, 27, 158	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814 9,290 54,502	(DUNDEE AN	N COMBINED D RICHFIELD 624,528 924,719 924,719 818,843 124,698	SHUT 2,144)) 53 447 481 481 310 310	
	CATO CEDAR CEDAR CREEK CEDAR CREEK CEDAR CREEK, SEC. 23 CHASE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHESTER CHESTER	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE MICHIGAN STRAY TRAVERSE ANTRIM	1944 1945 1943 1945 1943 1945 1949 1949 1949 1949 1949 1952 1957 1947 1965 1965	HERSEY TWP., 17N MONTCALM. MECOSTA CATO TWP., 12N-B OSCEOLA CEDAR TWP., 12N-B CEDAR TWP., 18N- MUSKEGON CEDAR CREEK TWP. MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP MEXFORD CHERRY GROVE TWP ALLEGAN CHESHIRE TWP., 10 OTSEGO CHESTER TWP., 29 MACOMB CHESTERFIELD TWP ST. CLAIR	-9W, S 3,542 W, SEC 1,49C 3,81C 5,06C 9W, SE 1,1255 1,1255 1,1255 1,1255 1,1255 2,46C 1,10 1,255 2,46C 11W, S 2,46C 11W, S 2,50C 11W, S 12W, S 1	SECTIONS 4 2 3 2 3 2 3 2 3 2 3 2 10NS 3, 2 7 3 7 3 7 4 15W, SECT 2 4 5 4 5 4 5 4 5 4 5 4 6 10W, SECTIONS 1 7 10 10W, SECTIONS 1 2 1 3 5 10W, SECTIONS 27 2 2 10W, SECTIONS 20 2 2 10W, SECTIONS 20 2 1 10W, SECTIONS 20 2 1 114E, SECTIONS 20 114E, SECT 115	44.7 4,6,8 46.0 44.7 7,28,3 1 1005 7, 1005 7, 100 23 1 100 23 35 5 26,27 10,11, 40,3 100 28,	DETROIT RIVER 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE CLAM LAKE TWP., TRAVERSE NIAGARAN 14, 15, 16 CLINTON	3,73 ,131 5,16 2,25 2 2,45 3,734 3,99 4,088 4,088 6,870	N-9W, 5 5 10 4 2 7 3 2 3 1 2 3 1 2 3 1 2 3 1 2 3 3 3 1 5 7 7 7	SECT I 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 4 1-9w, 1960 1968 1 1953 1953 1973 8 1958 16 2	800 400 140 50 140 50 20 20 640 30 640 280	4,702 7,672 10, 27, 158 158	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814 9,290 54,502 2,227	(DUNDEE AN (DUNDEE AN) 0 86,458	N COMBINED D RICHFIELC 624,528 924,719 818,843 124,698 461,508	SHUT 2,144)) 53 447 481 310 310 195 195	
	CATO CEDAR CEDAR CEDAR CREEK CEDAR CREEK, SEC.23 CHASE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHERRY GROVE CHESTER CHESTER	REED CITY MICHIGAN STRAY DUNDEE RICHFIELD "BEREA" TRAVERSE "BEREA" TRAVERSE MICHIGAN STRAY TRAVERSE ANTRIM NIAGARAN	1944 1945 1943 1945 1943 1945 1949 1949 1949 1949 1949 1952 1957 1947 1965 1965	HERSEY TWP., 17N MONTCALM- MECOSTA CATO TWP., 12N-B OSCEOLA CEDAR TMP., 18N- MUSKEGON CEDAR CREEK TWP. MUSKEGON CEDAR CREEK TWP. LAKE CHASE TWP., 17N- WEXFORD CHERRY GROVE TWP MEXFORD CHERRY GROVE TWP ALLEGAN CHESHIRE TWP., 12 OTSEGO CHESTER TWP., 29 MACOMB CHESTERFIELD TWP	-9W, S 3,542 W, SEC 1,49C 3,81C 5,06C 9W, SE 1,1255 1,1255 1,1255 1,1255 1,1255 1,1255 2,46C 11W, S 2,46C 11W, S 2,50C 11W, S 12W, S	SECTIONS 4 3 D 2 3 D TIONS 3, 7 7 S 2 L 2 6 L CTIONS 27, T 3 7 D 15W, SECT SECTIONS 1 SECTIONS 1 15W, SECT 2 L SECTIONS 1 SECTIONS 1 SECTIONS 1 2 4 0 SECTIONS 1 SECTIONS 1 SECTIONS 27, SH 35 S SECTIONS 2 2 L SECTIONS 1 SECTIONS 1 2 2 L SECTIONS 34 SECTIONS 34 SECTIONS 34	44.7 4,6,8 46.0 44.7 7,28,3 1 1005 7, 1005 7, 100 23 1 100 23 35 5 26,27 10,11, 40,3 100 28,	DETROIT RIVER 9 DEERFIELD TWP SYLVANIA 2, 33 (MICHIGAN ST DUNDEE 17, 18, 19, 20, 3 DUNDEE DETROIT RIVER DUNDEE CLAM LAKE TWP., TRAVERSE NIAGARAN 14, 15, 16 CLIMTON 29	3,73 -, 134 5,169 2,25 2,455 3,734 3,998 4,086 21N-99 1,344 6,870 2,701	N-9W, 5 5 10 4 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 3 2 7 7 7 7 7 7 7 7 7 7 7 7 7	SECT II 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 360 0	4 5 4-9W, 1960 1968 1 1953 1953 1958 16 2 1971	800 400 140 50 140 50 20 20 640 30 640 280	4,702 7,672 10, 27, 158 158	CUMULATIVE WITH RICHF 1,158,020 28,33,34 2,652 8,936 4,814 9,290 54,502	(DUNDEE AN (DUNDEE AN) 0 86,458	N COMBINED D RICHFIELC 624,528 924,719 818,843 124,698 461,508	SHUT 2,144)) 53 447 481 310 310 195 195	

	- POOL CLASSIF	ICATION	ī.,	TIVE GIL FIELD OR PSOL ANDONED DIL FIELD OR F			Ŧ	CTIVE SAS FIELD OR PO BANGGNED GAS FIELD OP		-	T.			.D OR POOL ENSATE FIEL	D GR POOL	-	STORAGE RESE VELOPED SAS :		(SERVON
[FIELD NAME	PRODUCTING FORMATION OR	YEAR OF DISC	COUNTY TOWNSHIP	DEPTH	PAY ZON THICKNESS AND		DEEPEST FORMATIC OR POOL TESTED	N DEPTH IN FEET		R OF WE P. ABANG. IN		10010100	PRODUCED	CTION-BBLS.	GAS PRODUCED	CTION - Mor	RECOVERY PER ACRE DRILLED	Y COTA PARSE ROTA
+	CHINA, SEC. 31	POOL	1959	PRODUCING SECTIONS ST. CLAIR	FEET	LITHOLOGY	(A.P. I.	CLINTON	2,641	1	9 7 5 ANDONED	1964	PRODUC	1975	THROUGH 1975	1975 0TTRELLVILL	THROUGH 1975 E IN 1962	(BBLS.)	PERS
>	CALINA, SEC. ST		1	CHINA TWP., 4N-1	6E, SE(-												
म्	CHINA, SOUTH	SALINA-NIAGARAN REEF	1961		2,324	14 D		CLINTON	2,743	L_ I		5	440	DOMES	TIC USE		523,443		Τ
4			Links	1			8, 33,	34 COTTRELLVILLE		<u>, </u>			,						
	CHIPPEWA, SEC. 10	TRAVERSE	1961	CHIPPEWA TWP., 1	3,193 4N-3W		16	TRAVERSE	3,220	1 AB	ANDONED	1964	10		1,250	FIELD TOT	N CARRIED	IN MT, P	PLEASA
8	CLARE CITY	MICHIGAN STRAY	1937		1,290	5 S		DUNDEE	3,865	8 C	0	1	720		1		2,294,990	DOMEST	TIC US
		I		GRANT TWP., 17N-	1 1 4w, se(CTIONS 2	5, 26,	1. 35, 36 SHERIDAN T				31 W	SE TWP.	, 16N-3W,	SECTION 6				
	CLARE CITY	MICHIGAN STRAY	1938	CLARE - ISABELLA	1,303	2 S	30.2	DUNDEE	3,853	7 0	0	4	120	930	80,598			672	2
		r	1	·····	· · · · ·		4, 35,	36 WISE TWP., 16M	1-3W, SE	CTION 6	- 			-					1
<u>д</u>	CLARENCE 19-15-4W	NIAGARAN REEF	1971		3,154	24 D	<u> </u>	NIAGARAN	3,240	1 0	0	1	160				1,057,655		
) { {	CLAYTON	BEREA	1936	CLARENCE TWP., 1 ARENAC	1,180	10 S		SYLVANIA	4,163	31 0	0	17	1 660		11		6 111 049	DOMESTI	IC USE
1			1.000		L		1.	B, 9, 10, 11, 14,	1	51 0	1.01	17	1,560				5,111,048	LEASE 0	PERA
	CLAYTON	DUNDEE	1935		2,465	12 D1		SYLVANIA	4,163	80 O	0	47	1,290	37,402	CUMULATIVE WITH RICHE	PRODUCTIO	N COMBINED		1,4
		DETROIT RIVER	1953		3,507	9 D	45.9)								1200			
-		RICHFIELD	1947	CLAYTON TWP 20	3,790 N-4F	9 D	1) 5, 8, 9, 10, 11 R		5 0	1 1	5	200	3,252	1			4,396	-
-	CLEAR LAKE	70.4.4.6.6.	1	MILLS IWP., 21N-	3E, SEC	TION 36	5, 4, 1	······				SECTI	UN 31	1 DUAL CI	CLS INCLUDE OMPLETION RI	3 RICHFIEL ICHFIELD &	D, 1 SZ E SZ		
-	LEAK LAKE	TRAVERSE	1950		1,380	1 L	L	TRAVERSE	1,399	14 AB	ANDONED	1953	140		17,490			125	1
1	CLINTON	TRAVERSE	1953	PINE GROVE TWP., WASHTENAW	986	2 0	JNS 3, 1	TRENTON	3,606	2 AB/	NDONED	1962	20		2,093			Loc	
			4	BRIDGEWATER TWP.	, 4S-4E	, SECTIO	1 DN 28		1,,,,,,,	-		1902			2,095			105	L
(COFFEE LAKE	TRAVERSE	1946	VAN BUREN	1,128	1 L		TRAVERSE	1,130	12 1	0	1	110	2,229	36,878			335	
							17, 18	ABANDONED IN 19	54, REAG	TIVATED) IN 197	5			·······			l	i
~	COLDWATER		1	LOPED GAS STORAGE				r <u></u>	,						,				
_	COLDWATER	DUNDEE	1944	ISABELLA	3,692	25 L	48.0	DETROIT RIVER	5,090		7	45	3,200		22,000,835		6,311,307	6,875	15,6
(COLDWATER, SOUTH	DUNDEE	1951		3,739	4 D	15 19, 2	0, 21, 28 THROUGH DUNDEE	34 SHE 3,743		NDONED			5,6	10.011				r
	1			SHERMAN TWP., 15M					15,745	1 1 100		1955	20		10,941			547	L
(COLE LAKE	TRAVERSE	1968	NEWAYGO	2,928	8 L	[TRAVERSE	2,938	2 0	0	1	40	233	30,269			757	2
			·	BARTON TWP., 16N	11W, S	ECTIONS	29, 30					I			·····			1	
0	COLFAX	MICHIGAN STRAY	1945	MECOSTA	1,240	8 S		DETROIT RIVER	4,043	4 0	0	1	640				485,844	DOMESTIC	C USE
		DUNDEE	1964		3,503	25 L	43.0				NDONED	+	40		2,188			54	
		DUNDEE-REED CITY	1957	COLFAX TWP., 15N-	3,474	9 D				1 0	0	1	160				5,121	DOMESTIC	: USE
c	COLLIN	SALINA-NIAGARAN REEF	1968		2,196	4 0	, ,	NIAGARAN	2,364	2 0	0	2	80		2,019	170 105	1 500 100		
			11	COTTRELLVILLE TWP	I -	16E, SEC	TION 20		2,501	-1	L	- 1			2,019	1/9,425	1,596,416	25	
	OLUMBUS	REFER TO TABLE	DEVEL	OPED GAS STORAGE R	ESERVO	IRS													
C	OLUMBUS, SEC. 2	NIAGARAN REEF	1971	ST. CLAIR	2,798	8 D	29	NIAGARAN	3,210	2 0	1	1	80	388	3,884		26,492	49	
							2 WALE	5 TWP., 6N-15E, SE	T T		·								
	COLUMBUS, SEC. 3	NIAGARAN REEF	1968		3,105	15 D		NIAGARAN	3,340		0	20	460	669,880	2,780,908			6,045	
с	OLUMBUS, SEC. 20	NIAGARAN REEF	1972		3,128	5 D	3, 10	WALES TWP., 6N-15 NIAGARAN	1 1		NDONED	1075	1(0						
				COLUMBUS TWP., 5N			l 20		,,,,,,	1 404		515	160	l	1		425		
_C	OLUMBUS, SEC. 23	NIAGARAN REEF	1965	ST. CLAIR	2,900	46+ D		CLINTON	3,122	6 C	0	5	240	1,601	19,678	17,839	977,150	12	
_				COLUMBUS TWP., 5N	-15E, S	ECTIONS	23, 25				L I	t	G	AS RESERV	OIR PRODUCT	NG SMALL QI			
C	OLUMBUS, SEC. 32	NIAGARAN REEF	1970	ST. CLAIR	2,983	16 D		NIAGARAN	3,050	2 0	0	2	80			0	24,735	SHUT -	1 N
	OLUMBUS, NORTH	NIAGARAN REEF	10/01	COLUMBUS TWP., 5N			32			. [r					
-		NTAGARAN RELF	1968	COLUMBUS TWP., 5N	3,266		5 6	NIAGARAN	3,374 1	1 0	0	11	260	106,181	877,735	40,901	102,813	3,376	4
C	OLUMBUS, WEST	REFER TO TABLE 4	DEVEL	OPED GAS STORAGE RE			, o		·										
CI		TRAVERSE		······	1,430	3 L	T	TRAVERSE	1,480	2 ABAN	DONED 1	952	20		974			49	
				COMSTOCK TWP., 25	-10W, S	ECTION 5						I		L			l.		
C	ÓNCORD	TRAVERSE	1953	JACKSON	,627	1 L		SALINA	2,417	5 ABAN	DONED 1	958	50		6,437			129	
		SALINA-NIAGARAN [CONCORD TWP.; 35-3			, 36											l	
C	ONVIS 8-15-6W	REEF	1975		<u>_</u>	10 D		CLINTON	3,555	2 2	0	2	160	3,223	3,223			2û	3
ce	ONVIS 18-15-6W	SALINA-NIAGARAN	1975	CONVIS TWP., 15-6V			22 6		2 407	6 6		21	the	70 70 1	70 - 20-1	T-	r		
		REEF	1375	CONVIS TWP., 15-64		62 D	33.5	CLINTON	3,427	6 6	0	6	440	72,782	72,782			165	
¢¢	DNVIS 25-15-6W	SALINA-NIAGARAN REEF	1975			20 D		CLINTON	3,430	1 1	0	1	80	2,804	2,804			35	3
				CONVIS TWP., 15-6W			I.	J	I .			f	l						د
	DNVIS 30-15-6W	SALINA-NIAGARAN REEF	1975	CALHOUN 2	,819	35 D	27.5	CLINTON	3,346	2 2	0	2	160	8,196	8,196		T	51	
	·····																		
	DON CREEK	NTAGARAN		CONVIS TWP., 15-6W		ION 30	,				t								

	- POOL CLASSI	,		FIVE OIL FIELD OR POOL ANDGRED OIL FIELD OR P	00L		T	TIVE GAS FIELD OR POOL ANDONED GAS FIELD OR P			Q X			ELD OR POOL DENSATE FIELD	OR POOL	÷	STORAGE RESER		SERVO
	FIELD NAME	PRODUCING FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCING SECTIONS	DEPTH 1K	PAY ZONE THICKNESS AND	01L GRAVITY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	h,	IR	ND. ACTIV	E ACRES	PRODUCED	CUMULATIVE	GAS PRODU PRODUCED	CUMULATIVE THROUGH	PER ACRE DRILLED (BBLS.)	EBR
4	COOPERSVILLE	"BEREA"	1939		FEET	LITHOLOGY 5 D	A.P.I.	TRAVERSE	1,900	3	1 9 7 ABANDO	5 NED 1959	240	1975	1975	1975	1975	ļ	+
1			_	WRIGHT TWP., 8N-	13W, S	ECTIONS 7	, 19	L						1		<u> </u>		<u></u>	<u> </u>
	COTTRELLVILLE	SALINA-NIAGARAN REEF	1961	ST. CLAIR	2,262	6 D	38.7	CLINTON	2,511	12	0	7	280	6,120	145,328			519	1
		,		f	<u> </u>	1	COTTRE	LLVILLE TWP., 3N-1	-			- T		SN-15E, SE	SECTION 1,				
4	COTTRELLVILLE	NIAGARAN REEF	1959	I	2,293			CLINTON	2,511	2	0	2	240			100,599	2,740,389		
1				COTTRELLVILLE TW			LIONS 6	, /, 0											
+	CRANBERRY LAKE	TRAVERSE	1952	CLARE	3,120	7 L	39.0	RICHFIELD	5,223	7	ABANDO	NED 1965	PRODU	TION COMBI	NED WITH CR	ANBERRY LA	KE DUNDEE	AND RICHI	FIE
+	CRANEERON CONE	DUNDEE	1943		3,835	2 L	42.8			8	0			4,509	CUMULATI	VE PRODUCT	ION		1
1		DETROIT RIVER S	z 1953		4,801	16 D	48.8			1	ASANDO	VED 196:	PRODU	I CTION COMBI	NED WITH CR	ANBERRY LA		AND RICH	IFIE
t		RICHFIELD	1951		5,048	15 D	51.0			18	0	0 7	680	36,486	1,651,571			2,429	Ţ
T				WINTERFIELD TWP.	, 20N-	6W, SECTI	ONS 1,	2, 11, 12					- i				·	d	1
	CRANBERRY LAKE, EAST	TRAVERSE	1963	CLARE	3,057	6 L	39.2	DETROIT RIVER	5,139		REACTI	ATED 19	72	PRODUCTIO	N COMBINED			FIELD	Γ
		DUNDEE	1963		3,760	6 L	43.5		ļ				200	17,519		VE PRODUCTI WITH RICHF			
		RICHFIELD	1964		5,087	12 D	44.0			6	0	1	80	1,946	644,591 TELD, 1 DUM			2,302	1
ļ		1	1	SUMMERFIELD TWP.	1	[ONS 7,		T	1 DU	NDEE AN	DRICHE	ELD DUA	COMPLETIC	N	IDEE & TRAV	ERSE AND	·	—
ŀ	CROOKED LAKE	TRAVERSE	1949		1,278			TRAVERSE	1,312	2	ABANDO	NED 1950	40		115,452			2,886	1
+	CROTON			CLYDE TWP., 2N-1 LOPED GAS STORAGE												· · · · · · · · · · · · · · · · · · ·			
+	CROTON	KEIER TO TABLE	4 02121	LOILD GAS STORAGE		01113									• • • • • • • • • • • • • • • • • • • •				
1	CROTON	TRAVERSE	1951	NEWAYGO	2,543	2 L		SALINA	3,993	10	ABANDO	NED 1951	200		91,678			458	J
t				CROTON TWP., 12N	-11W,	SECTIONS	20, 29	1	L	11			1		L	I	I		4
1	CRUMP	DUNDEE	1950	ваү	3,294	7 L		DUNDEE	3,354	1	ABANDO	VED 195	10		1,043			104	-
L			,	GARFIELD TWP., 1	6N-3E,	SECTION	23							,		•••••••			
L	CRYSTAL	TRAVERSE	1954	MONTCALM	2,769	4 L	41.8	DETROIT RIVER	3,391	2	0	0 1	20	PRODUCTIO	N COMBINED	WITH DUNDE	E		
		DUNDEE	1935		3,187	4 D	43.5			193	0	7	2,000	11,199	7,836,788			3,880	1
		1			1	l		, 4, 10, 11, 12, 1	1									.	Tro
╞	CRYSTAL VALLEY	TRAVERSE	1945	OCEANA	1,809		37.0	ST. PETER SS.	6,062		0		50	PRODUCTIO	IN COMBINED	WITH DUNDE	E		PĽ
+		DUNDEE	1957		2,575	1	42.5	I	ļ	19	ABANDO	NED 1974	420	0	203,747			434	1
1	CRYSTAL VALLEY	DUNDEE	1946	CRYSTAL TWP., 16 OCEANA	2,400	1	9, 10,	TRENTON-	5,985	4	ARANDO	VED 1960	160			[*162,079		Τ
1		SALINA	1961	002000	4,102	10 D		BLK. RIVÉR	1,,,,,,			NED 1966					*PRODUCTI COMBINED	ON	\vdash
			1	CRYSTAL TWP., 16	N-16W,		11, 14	, 15, 16	L	11			1	!	I	I	CONDINED		J
	CRYSTAL VALLEY, SEC. 19	TRAVERSE	1971	OCEANA	1,689	1.5 L		DUNDEE	2,233	2	0	0 2	40	814	21,960			549	,
		DUNDEE	1971		2,222	11 L				1	0	D 1	20			SHUT	- I N		
L			,	CRYSTAL TWP., 16	N-16W,	SECTION	19												
1	CRYSTAL VALLEY, SOUTH	TRAVERSE	1969	OCEANA	1,739	1 L		TRAVERSE	1,740	1	0	0 1	40	233	9,310			233	
-		1		CRYSTAL TWP., 16				1		r1								·	.
-	CURRIE	DUNDEE	1936		3,918		45.9	DUNDEE	4,042	2	0	2	40	811	206,785	l		5,170	<u> </u>
┝		[T	VERNON TWP., 16N	r	1	, 8	·····	T					Γ		I	r		T
╞	DALLAS	TRAVERSE	1942	CLINTON DALLAS TWP., 7N-	2,482 1w SF			DETROIT RIVER	2,934	3	ABANDU	NED 194	40		3,085		I	770	1
t	DALTON	TRAVERSE	1940	MUSKEGON	1,851		40.0	DUNDEE	2,515	16	0	2 2	300	297	108,778			363	T
ŀ			1	DALTON TWP., 11N				15		1 1			.)		1	L	J	1	1
				- <u></u>															
ſ	DAY	MICHIGAN STRAY	1934	MONTCALM	1,352	4 S		MARSHALL	1,395	2	ABANDO	NED 194	+ 80				8,494		\square
L				DAY TWP., 11N-6W	, SECT	ION 1 HO	ME TWP.	, 12N-6W, SECTION	36	,									
L	DAY	TRAVERSE	1946	MONTCALM	2,900	2 L	43.0	DUNDEE	3,387	T	ABANDO	NED 196	10		3,095			310	L
		DUNDEE	1946		3,337	I				2		NED 1954	+ 20		16,239			812	
			1		· · · · ·	1	RAVERSE) DAY TWP., 11N-6	r	r i	1	_	1					1	—
-	DAY, SEC. 13	DUNDEE	19/1	MONTCALM DAY TWP., 11N-6W	3,414			DUNDEE	3,475	1	0	0 1	20	1,582	18,938			947	
┝	DEEP RIVER	BEREA	1936	ARENAC	1,490	1		SYLVANIA	4,311	12	0	3	1,520		<u> </u>		1,609,812	DOMESTI	C 11
+-		I		DEEP RIVER TWP.,	l	L	NS 7.8			1. 1			1		I	l	,,	L	
-	DEEP RIVER	DUNDEE	1944			145 D		RICHFIELD	4,258	106	0	2 35	1,060	62,418	26,728,286			25,215	6
		RICHFIELD	1953		-			ERLING DETROIT RIV		L	_		- · · ·				AVERSE		
				DEEP RIVER TWP.,	19N-4	E, SECTIO	NS 6, 7	, 8, 9, 14, 15, 16	, 23,	24								·······	
	DEERFIELD	TRENTON	1920	MONR DE	2,115	10 L	42.7	CAMBRIAN	3,250	47	0	20	450	5,931	731,743			1,626	1
			·,,	DUNDEE TWP., 65-	6E, SE	CTIONS 19	, 29, 3	O SUMMERFIELD TWP	., 6S-	6E,	SECTION	31	· · · · · ·						
	DEMINGS LAKE	TRAVERSE	1968		734	· · · ·		TRAVERSE	741	1	0	0 1	40			<u> </u>		NO MAR	KET
_			1	DOVER TWP., 75-2									1					<u></u>	
	DENNISON	TRAVERSE	1963	OTTAWA	1,874	4 L	38.0	SALINA	3,202	15	ABANDO	NED 197	300	l	312,956	l	L	1,043	L
-				DOL 1/ 7 ON TO -	1144	CCC7													
-	DIAMOND CRYSTAL SALT	NIAGARAN REEF	1927	POLKTON TWP., 8N ST. CLAIR	-14₩, 2,483		21, 27,	28 NIAGARAN	2,500		A.D. A.V.C	NED 193	40				136,445	۲1	<u> </u>



ſ	POOL CLASS	IFICATION	~	CTIVE OIL FIELD OR POO GANDONED GIL FIELD OR			1	TIVE GAS FIELD OR POO ANDONED GAS FIELD OR				2			ELD OR POOL DENSATE FIELD	OR POOL	-	STORAGE RESER		ERVOIR
		PRODUCING	YEAR	COUNTY	Т	PAY ZON	ε	DEEPEST FORMATION	IDEPTH	NI	1 7	OF WE			OIL PRODUC		GAS PRODUC			TOTAL
ł	FIELD NAME	FORMATION OR POOL	OF DISC	TROBBETTO SECTIONE	DEPTH IN FEET	THICKNESS AND LITHOLOGY	GRAVITY A.P.I.	OR POOL TESTED	IN FEET	TO END	COMP. IN	ARANG	ACTIVE AT END	DRILLED ACRES	PRODUCED IN 1975	CUMULATIVE Through 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	RECOVERY PER ACRE DRILLED (BBLS.)	BARRELS BRINE PER DAY
	DIAMOND SPRINGS	TRAVERSE	1938	+	1,461	3 L	41.0	SALINA	2,651	56	0	0	7	420	1,178	1,012,481			2,411	155
10		SALINA-E ZONE	1958	1	2,389		25.5		1.01	3	0	0	3	30	4,877	66,062			2,202	48
ě	DORR	TRAVERSE	1938		1,617	4 L	41.0	EM TWP., 4N-13W, S	3.319	1 7		-					P., 3N-13W,	SECTION 6		
		DETROIT RIVER	1955		2,082	6 D	38.0	I TAGANAN	3,319	14	0	0	4	410	324	422,889			1,031	25
•		SALINA	1956		2,922	7 D	17.0		+	18	0	0	11	280 540	417 3,121	74,812	24,781	1,355,727	267	15
0				DORR TWP., 4N-17	W, SEC	TIONS 19,	29 THR	UGH 33 SALEM TWP	1., 4N-]		510,050	14,70	1,555,727	590	28
Ŕ	DORR	DETROIT RIVER	1957		1,918	1 0		NIAGARAN	3,319		0	0	1	160				4,710	NO MARK	(FT
0				DORR TWP., 4N-12	W, SEC	TION 33	•		·								L			
Ø	DORR, SEC. 17	"BEREA"	1951	ALLEGAN	953	8 D		TRAVERSE	1,642	1	ABAN	ONED	1967	40				0		
띥		1	·····	DORR TWP 4N-12	W, SEC	TION 17													· · · · · · ·	
R	DORR, SEC. 21	"BEREA"	1940	ALLEGAN	957	1 D		TRAVERSE	1,687	1	0	0	1	40					DOMESTI	C USE
H	DOUGLASS	OLUMPET.	1.010	DORR TWP., 4N-12	1									·····,						
0	DUDBEASS	DUNDEE	1945		3,400	2 L	47.1	DUNDEE	3,458	6	0	0	2	120	1,010	259,142			2,160	120
মি	DOUGLASS	MICHIGAN STRAY	1943	DOUGLASS TWP., 1 MONTCALM	1N-7W,	SECTION 5 S		DUNDEE	1. 1.0-1				Lors T					,	······ ,	
Ő		1		DOUGLASS TWP., 1	. <u>.</u>		27. 28	DUNDEE	3,423	4	MBANE	ONED	1951	640				184,806		
6	DOUGLASS, SEC. 3	TRAVERSE	1954	MONTCALM	3,025	8 L	.,, 20	DUNDEE	3,666	1	ABANC	ONED	1954	20		3 400				
0			J	DOUGLASS TWP., 1	<u>ا</u>		l }	-	- ,					20		3,155	1		158	
\bullet	DUNNINGVILLE	TRAVERSE	1950	ALLEGAN	1,435	3 L	38.0	TRAVERSE	1,438	5	0	0	1	50	316	121,402		İ	2,428	
D,				HEATH TWP., 3N-1	4W, SE(TIONS 22,	27, 33			ł		[- 1		-,.20	
Ø	DWIGHT	DETROIT RIVER	1945	HURON	2,862	4 L	36.2	SYLVANIA	3,290	1	ABAND	ONED	1972	40	0	41,165	1		1,029	
띷		1		DWIGHT TWP., 18N	-13E, 9	ECTION 21													L	
父이	EAST CHINA	NIAGARAN REEF	1969		2,344	19 0		NIAGARAN	2,363	2	0	0	2	80	1,951	4,797	3,457	10,006	60	20
\exists	EAST NORMAN		1	EAST CHINA TWP., MISSAUKEE-	1	· · · · · · · · · · · · · · · · · · ·	25		,								-			
2	EAST NORWICH	TRAVERSE	1944	ROSCOMMON	2,410	1 L		BASS ISLANDS	5,520			ONED		PRODUCT	ION COMBIN	ED WITH EAS	ST NORWICH	RICHFIELD		
		RICHFIELD	1942 1942		3,082 4,390	4 L 14 D	44.2					ONED			T	·	ST NORWICH			
0		1	1	NORWHICH TWP., 2				ERSE), SECTION 14 ICHFIELD)		117 E)	5	1		4,640 THE 73		0,043,690	556,941 FIELD & 13		2,165	681
Ó								9 THROUGH 16, 21,			FEDY			5 1 RÍC	HFIELD & S	DUR ZONE				
Ð.	EATON RAPIDS 17-2N-3W	SALINA-NIAGARAN REEF	1973	EATON	3,985	79 D	42.0	CLINTON	4,316		1	0	4	400		145	SHUT-			
0		r	1	EATON RAPIDS TWP.	., 2N-3	W, SECTIO	N 17								L	(1)	3001-			
•	EATON RAPIDS 20-2N-3W	SALINA-NIAGARAN REEF	1974	EATON	3,940			NIAGARAN	4,323	4	2	0	4	320	11,602	11,602	5,292	5,292	36	
9	EATON RAPIDS	CAL (112 111 CAD 10	,,	EATON RAPIDS TWP.	, 2N-3	W, SECTIO	N 20								L		I			
	28-2N-3W	SALINA-NIAGARAN REEF	1974	EATON	3,858			NIAGARAN	4,056	1	0	0	1	80	7,699	9,415			118	
4	EATON RAPIDS		Leas	EATON RAPIDS TWP.		T			·											
0	32-2N-3W	NIAGARAN	1975		3,799		36.7	NIAGARAN	3,917	1	0	0	1	160		0				
	EATON RAPIDS	A-1 CARBONATE &	1972	EATON RAPIDS TWP.	, 2N-31 3,750			WACADAN									r.			
ð	35-2N-3W	NIAGARAN REEF	1.572	EATON RAPIDS TWP.		30 D	1	NTAGARAN	4,210	<u>'</u> L'	0	0	1	40	20,998	37,611	47,518	52,688	940	
ਨ	EATON RAPIDS 36-2N-3W	NIAGARAN REEF	1971		3,740			NIAGARAN	4,305	7	0	0	7 1	,120	1,978	25 120	2 508 246 8	110 010		
Ó			L I					IRELIUS TWP., 2N-2N			I				W, SECTION		2,598,346 8	,1-9,248	22	
•	EDEN	TRAVERSE	1948		1,679	1	1	· · · · ·	7,249			0	5				ITH REED CI	TY	1	
헛		TRAVERSE	1958		1,960	7 L				1 (0	0	1	160			1	SHUT-II	· _	
		DUNDEE	1948		2,240	2 L	45.3		3	8 (þ	0	27	380 F	RODUCTION	COMBINED W	TH REED CI			1,653
		REED CITY	1948		2,345		42.8			5 (D	2	40	18,095 3				5,895	2
				EDEN TWP., 17N-16	√, SECT	ION 26 (T	RAVERSE	GAS) SECTIONS 25,	26, 3	5, 36	5 (TR	AVERS	E, DUN	DEE, RE	ED CITY OF	L COMBINED	IN ABOVE F	IGURES)		
-	EDENVILLE	DUNDEE	1020		1 700	<u> </u>	41.0	numer -												
5	nfill	JUNUEL	I		3,790				,962 3	6 0		D	1	370	1,010 1	,368,715			3,699	
τt	EDENVILLE, SEC. 5	SAGINAW FM,		EDENVILLE TWP., 10 MIDLAND	T	12 S	··· · · ·		امد ن	1.	<u> </u>	<u> </u>	, 1	160						
<u></u>				EDENVILLE TWP., 10		l.	1	4	,028	3 0		<u> </u>	1	160					TO PLUG	
쇠					3,102			DUNDEE 3	,613 3	5 0			7	500	10,493 1,	410, 961	1.	,094,960	2 822	010
	EDMORE	TRAVERSE	1933	MONTCALM	, 102					L	1						Ľ:		2,822	850
	EDMORE	TRAVERSE		HOME TWP., 12N-6W,	I	ONS 2, 3,	9, 10,	11												
	E DMORE	TRAVERSE MICHIGAN STRAY		HOME TWP., 12N-6W,	I	ONS 2, 3, 8 S		1	,700 4	7 0			0 6,	800			8.	956,687		
		·····	1936	HOME TWP., 12N-6W, MONTCALM	SECTI ,300	8 S		DUNDEE 3							W, SECTIONS	7, 8, 17.		,956,687		
		·····	1936	HOME TWP., 12N-6W, MONTCALM 1 HOME TWP., 12N-6W,	SECTI ,300 SECTI	8 S	2, 13,	DUNDEE 3		0, 33	RIG	HLAN			W, SECTIONS 1,942	7, 8, 17, 38,389		,956,687	427	500
	E DWORE - R I CH LAND	MICHIGAN STRAY	1936 1951	HOME TWP., 12N-6W, MONTCALM 1 HOME TWP., 12N-6W,	SECTI ,300 SECTI	8 S ONS 11, 1 10 L	2, 13,	DUNDEE 3 14, 15, 19, 21 THR SYLVANIA-	OUGH 3	0, 33	RIG	HLAN) TWP.,	12N-5				956,687	427	500
	E DMORE - R I CH LAND	MICHIGAN STRAY	1936 1951 1951	HOME TWP., 12N-6W, MONTCALM HOME TWP., 12N-6W, OGEMAN EDWARDS TWP., 21N- MUSKEGON	SECTI ,300 SECTI 1,362 1E, SE ,120	8 S ONS 11, 1 10 L CTION 15 5 0	2, 13,	DUNDEE 3 14, 15, 19, 21 THR SYLVANIA- BOIS BLANC 5 DUNDEE 2	оидн з ,260	0, 33	RIC	HLAN) TWP.,	12N-5			18	291,097	427	500
	EDMORE - RICHLAND	MICHIGAN STRAY DUNDEE "BEREA"	1936 1951 1951	HOME TWP., 12N-6W, MONTCALM 1 HOME TWP., 12N-6W, OGEMAN 2 EDWARDS TWP., 21N- MUSKEGON 1 EGELSTON TWP., 10N	SECTI ,300 SECTI 1,362 1E, SE ,120 I-15W,	8 S ONS 11, 1 10 L CTION 15 5 D SECTIONS	2, 13,	DUNDEE 3 14, 15, 19, 21 THR SVIVANIA- BOIS BLANC 5 DUNDEE 2 , 10, 15	ОUGH 3 ,260 ,282	0, 33 4 0 7 AB	R I C	IED 15	3 3 366 1,	12N-5			18		427	500
	E DWORE - R I CH LAND	MICHIGAN STRAY DUNDEE "BEREA" MICHIGAN STRAY	1936 1951 1951 1951	HOME TWP., 12N-6W, MONTCALM 11N-6W, MONTCALM 22N-6W, OGEMAH 22 EDWARDS TWP., 21N- MUSKEGON 11 EGELSTON TWP., 10N GRATIOT	SECTI ,300 SECTI ,362 1E, SE ,120 I-15W, 670	8 S ONS 11, 1 10 L CTION 15 5 D SECTIONS 10 10 S	2, 13,	DUNDEE 3 14, 15, 19, 21 THR SVIVANIA- BOIS BLANC 5 DUNDEE 2 , 10, 15	0UGH 3 ,260 ,282	0, 33 4 0 7 AB		IED 19	3 3 966 1,	12N-5			18		427	500
	EDMORE - RICHLAND	MICHIGAN STRAY DUNDEE "BEREA"	1936 1951 1951 1928 1927	HOME TWP., 12N-6W, MONTCALM 1 HOME TWP., 12N-6M, OGEMAH 2 EOWARDS TWP., 21N- MUSKEGON 1 EGELSTON TWP., 1ON GRATIOT 2	SECTI ,300 SECTI 1,362 1E, SE ,120 1-15W, 670 ,440	8 S ONS 11, 1 10 L CTION 15 5 D SECTIONS 10 S 2 L	2, 13, 2, 13, 3, 4, 9, 47.0	DUNDEE 3 14, 15, 19, 21 THR SYLVANIA- BOIS BLANC 5 DUNDEE 2 , 10, 15 DUNDEE 3	0UGH 3 , 260 , 282	0, 33 4 0 7 AB 0 AB 8 AS		ED 19	3 3 966 1, 957 62	12N-5 90 120 520 90	1,942		18	291,097	427	500
	EDMORE - RICHLAND	MICHIGAN STRAY DUNDEE "BEREA" MICHIGAN STRAY	1936 1951 1951 1928 1927	HOME TWP., 12N-6W, MONTCALM HOME TWP., 12N-6W, OGEMAW EDWARDS TWP., 21N- MUSKEGON EGELSTON TWP., 10N GRATIOT ELBA TWP., 9N-1W,	SECTI ,300 SECTI 1,362 1E, SE ,120 1-15W, 670 ,440	8 S ONS 11, 1 10 L CTION 15 5 D SECTIONS 10 S 2 L NS 9, 14,	2, 13, 2, 13, 3, 4, 9, 47.0 15, 16	DUNDEE 3 14. 15. 19. 21 THR SYLVANIA- SOIS BLANC 5 DUNDEE 2 . 10. 15 DUNDEE 3 (MICHIGAN STRAY)	0UGH 3 , 260 , 282	0, 33 4 0 7 AB 0 AB 8 AS 8 AS	ANDON ANDON ANDON , 15,	ED 19) TWP., 3 966 1, 157 162 23 (TR	12N-5 90 120 520 90	1,942	38,389	18	291,097		500

	POOL CLASSIF	ICATION	ABA	IVE OIL FIELD OR POOL NEONED OIL FIELD OR P	091		T	TIVE GAS FIELD OR POOL WADONED CAS FIELD OR P							D OR POOL	OR POOL		STORAGE RESER VELOPED GAS S		SERVOI
		PRODUCING FORMATION	YEAR	COUNTY		PAY ZON		DEEPEST FORMATION	DEPTH	NU	MBER	OF WELL	s		DIL PRODUC	TION-BBLS.	GAS PRODU	CTION - Mcf.	RECOVERY	TO BAR
	FIELD NAME	OR POOL	OF DISC.	TOWNSHIP PRODUCING SECTIONS	DEPTN IN Feet	THICKNESS AND LITHOLOGY	OIL GRAVITY A.P.I.	OR POOL TESTED	IN FEET	TG END	IN	ABAND. AC IN AT 7 5	TIVE	ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PER ACRE DRILLED (BBLS.)	9 PE
Ś	ELKLAND	DUNDEE	1946		2,653	14 L	1	SYLVANIA	3,739			DGNED 1	947	20		1,546			77	
	ELMW000	DUNDEE	1945	TUSCOLA	2,740	8 L	31 NUV 31.3	ESTA TWP., 13N-11E BOIS BLANC	3,949	 .	0	0	7	90	2,980	95,825	[1,065	1
)			· · · · ·	ELMWGOD TWP., 14	N-10E,	SECTIONS	17, 20	, 21	1				L	1				1	1	I
X	ENSLEY	MARSHALL	1958	NEWAYGO	826	5 S		DETROIT RIVER	3,018	8	0	0	8	1,280	SHUT	- I N		906,626	MAY CO TO STO	
Ď		TRAVERSE	1954		2,439	L				6		DONED 1		120		70,415			587	
	ENTERPRISE	RICHFIELD	1943	MISSAUKEE -	-11W,	SECTIONS	6, 7, 8	, 17, 18 GRANT TW	P., 11 4,625		z z	T		RSHALL) ENSLEY 151,617	2,937,592	7	NS 6, 7, 8	(TRAVER 2,160	-
5	ENTERPRISE		1343	ROSCOMMON ENTERPRISE TWP.,		L	L	HROUGH 14 LAKE TW	L	1 1	!			1,300		2,337,332	120,050	1,202,213	1	1
ž	ENTERPRISE, SEC.32	MICHIGAN STRAY	1953	MISSAUKEE	1,986	5 S		DETROIT RIVER	4,200		0	0	2	320					D OME S T	10
)				ENTERPRISE TWP.,	23N-5	W, SECTIO	N 32 B	UTTERFIELD TWP., 2	2N-5W,	SEC	TION	4	T							
	ENTRICAN	TRAVERSE	1966	MONTCALK	2,870	4 L		DUNDEE	3,426			DONED 1					WITH DUNDE	E		-
		DUNDEE	1967	DOUGLASS TWP., 1	3,312		21			2	ABAN	DONED 1	973	40	0	8,014			100	•
	ESSEXVILLE	DUNDEE	1944	BAY	2.835	17 L	35.3	SYLVANIA	4,130	50	0	0	41	1,730	33,713	3,529,277		3,267	2,040	,
5			1.000	-			L	, 15, 16, 17, 18				~~				5,525,277		,,	1	1
5	EVART	DUNDEE	1942	OSCEOLA	3,755	6 L	46.3	SYLVANIA	5,292	29	ABAN	DONED 1	970	1,100		3,812,127			3,466	ŀ
2			· · · · · · · · · · · · · · · · · · ·	OSCEOLA TWP., 18	N-8₩,	SECTIONS	21, 22,	23, 25, 26, 27, 2	8	,,									1	· ···
2	EVART	MICHIGAN STRAY	1941	OSCEOLA	1,410	7 S		DETROIT RIVER	4,457	33	ABANI	DONED 1	974	5,120				4,895,722	I	-
	EXCELSIOR	TRAVERSE	1950	OSCEOLA TWP., 18 KALKASKA	N-18W,	SECTIONS 2 L	19, 21 33.4	, 22, 23, 26 THROU TRAVERSE	GH 35	1	ADAN	DONED 1	970	10		10,455		1	1,045	1
	EXCELSION	TRAVERSE	1950	EXCELSIOR TWP.,	L		L	TRAVERSE	12,150	11	ADAN		970	101		10,455	<u> </u>		1,045	1
	EXCELSIOR 10-27N-6W	DETROIT RIVER	1972	KALKASKA	3,607	· · · · · · · · · · · · · · · · · · ·	[NIAGARAN	7,399	1	ABAN	DONED 1	974	80		2,053			26	
2				EXCELSION TWP.,	27N-6W	, SECTION	10													1
X	FALMOUTH	MICHIGAN STRAY	1962	MISSAUKEE	1,279	3 S		REED CITY	4,035	8	0	0	1	1,280				1,102,815	DOMEST	10 1
2			, 1		1		T	EEDER TWP., 22N-7W	1	1 1								1	1	T
	FERRY	TRAVERSE	1960		1,949		41.0	REED CITY	2,581	14	ABAN	DONED 1	970	280		164,263			587	1
싞	FERRY, SEC. 25	"BEREA"	1961	FERRY TWP., 14N- OCEANA	1.310	5 0	6, 20,	REED CITY	2,650		0	0	1	40			SHUT	- I N	1	
5			1	FERRY TWP., 14N-	16W, S	ECTION 25	1	I		Ł!		l.					L		1	I
	FILLMORE	TRAVERSE	1940	ALLEGAN-OTTAWA	1,516	2.7 L	41.1	NIAGARAN	3,045	63	0	0	5	770	1,943	979,190			1,272	
계		SALINA A-2 CARB.	1959		2,632	16 D		·		11	0	1	6	1,500			74,574	4,756,098	ļ	
식		SALINA A-1 CARB,	1959	FILLMORE TWP., 4	2,792 N-15W.		2, 3,	11. 12 HOLLAND TW	P., 5N	-15W	SEC	TIONS 2		. 1			WITH SALIN	A A2 ABOVE		
	FOREST RIVER	TRAVERSE	1965	FILLMORE TWP, SI	ECTION 1.954		OLLAND	11, 12 HOLLAND TW TWP., SECTIONS 34, DUNDEE	35 (S	1) DONED 1		40		781		1	20	1
5			1,505	COLFAX TWP., 16N	1		2		2,570	<u>[' </u>			,0,1			,01	E	1	1 20	L
	FORK	DUNDEE	1942	MECOSTA	3,845	8 L	49.0	BOIS BLANC	5,294	64	ABAN	DONED 1	969	2,700		7,777,026			2,880	
5		RICHFIELD	1945		5,001	11 D	54.8			1	ABAN	DONED 1	966	PRODUCT	TION COMBIN	ED WITH FO	ORK DUNDEE	854,415		
			•••••	FORK TWP., 16N-7	W, SEC	TIONS 4,	5, 6, 7	, 8, 16, 18 CHIPP	EWA TW	P., 1	6N-81	√, SECT	IONS	1, 12			·	r	<u> </u>	<u> </u>
A	FORK, EAST	MICHIGAN STRAY	1942	MECOSTA	1,480			DUNDEE	3,865	4	ABANI	DONED 1	946	640				102,708		
	CONV. NOT TU	MICHIGAN STRAY	1956	FORK TWP., 16N-7	w, SEC		11	DUNDEE	12 0.00	1			,	160			11.000	75.0(1		1
4	FORK, NORTH	DUNDEE	1950	USCEDEA	3,788		45.8	DUNDEL	3,982	6	0	0	1	120	0	153,661	14,886 SHUT	75,064 DOWN 1,281		
5	l			ORIENT TWP., I7N			L	GAN STRAY) SECTION	s 28,	1							1		L	
X	FORK, WEST	MICHIGAN STRAY	1943	MECOSTA	1,490	5 S		SYLVANIA	5,198	17	0	0	2	2,880				2,405,559	DOMEST	ic u
2				FORK TWP., 16N-7	√, SEC	TIONS 5,	6, 7, 8	, 16 CHIPPEWA TWP.	., 16N	-8₩,	SECT	IONS 1,	2 E	VART TW	IP., 17N-8W	, SECTIONS	35,36			_
										<u> </u>								1	1	
2)	FORWARD	MICHIGAN STRAY	1961		1,393		\$ 25 24	DETROIT RIVER 6 CLAM UNION TWP.	1	<u> </u>		DONED 1	969	960				467,409		I
7 X	FOSTORIA	BEREA	1970		1,514	16 S		RICHFIELD	3,267	T	0	0	1	160				[SHUT	- 1 N
5			L I	WATERTOWN TWP.,	10N-9E	, SECTION	14			1	1	d		i			1	1	·	
D	FOUNTAIN	REED CITY	1970	MASON	2,442	6 D		REED CITY	2,448	1	0	0	1	40	0	170	SHUT	- I N	4	
4				SHERMAN TWP., 19			12													
€ T	FOUR CORNERS		T T	OPED GAS STORAGE				00/10/5 00 000								1	1 0/0 -/	1 010		
<u>オ</u>)	FOWLERVILLE	SALINA-NIAGARAN	1961			45 D	2.12	PRAIRIE DU CHIEN CONWAY TWP., 4N-3E			0 15 H	0 I	k		1,419 SECTION 7	1,419	1,360,565	1,848,503	L	L
才	FREEDOM	TRAVERSE	1971	WASHTENAW	1,038			CAMBRO-ORDOVICIAN	1					120						
Å		DUNDEE	1971		1,198			}		+		DONED 1		120						
5		TRENTON	1954		3,963	20 D	43.5			1	ABANE	DONED 1	956	40		7,217			180	
2				FREEDOM TWP., 35	-4E, SI	ECTIONS 6	, 8													
2	FREEMAN-LINCOLN		T	OPED GAS STORAGE F	3		· · · · · · · · · · · · · · · · · · ·						Т							r
1	FREEMAN-REDDING	DUNDEE	1938	CLARE REDDING THR 100	3,885		44.4	SYLVANIA	5.462	L	0			2,800		16,726,287	l	1,956,056	5,974	2,
NL.				REDUING IMP., 191	α-0%,	SECTIONS	1	29, 32, 33, 34 Fi		1				nis 3, 4					1	T
	FREEMAN, SEC. 15	DUNDEE	1963	CLARE	3,894	8 L	41.0	DUNDEE	3,902	11	ABANT	DONED 14	965	40		736	Į		18	

POOL CLASSIF	ICATION		IVE GIE FIELD OR POOL NOONED VIE FIELD OR P	-21			TIVE SAS FIELD OR HOG ANDONED GAS FIELD OR			I T			ELD OR POD: JENSATE FIELD	OR POOL		TORAGE RESER ELOPEL GAS S		ER/OI
	PRODUCING	YEAR	COUNTY		PAY ZON	E	DEEPEST FORMATION	DEPTH	NU	MBER OF	WELLS		OIL PRODUC	TION-BBLS	GAS PRODUC	TION - More	RECOVERY	10T
FIELD NAME	FORMATION OR POOL	OF DISC.	TOWNSHIP PRODUCING SECTIONS	DEPTH IN FEET	THICKNESS AND LITHOLOGY	GRAVITY	OR POOL TESTED	IN FEET	TO END	COMP. ABAN IN IN 1.9.7.5	AT EN	ACRES	PRODUCED 18 1975	CUHULATIVE THROUGH 1975	PROSUCED IN 1975	CUMULATIVE THROUGH 1975	PER ACRE DRILLED (BBLS)	
FREEPORT	TRAVERSE	1943	BARRY	2,031	3 1		DETROIT RIVER	2,430	1	ASANDON	.0 1951	10		19,229			1,923	
		1041	CARLTON TWP., 4N	·		1	DUNDEE	3.700	6	ADANDONI	0.1064	800			1	201 220	1 1	
FREMONT	MICHIGAN STRAY	1941	ISABELLA	1,235	5 5		DUADEE	5,700	-	ABANDONE						381,330		
•	DUNDEE	1938		3,696	4 D					ABANDONE		30		3,045			102	
FREMONT, SEC. 32	MICHIGAN STRAY	1958	ISABELLA	1,264	6 S	20, 21,	22, 27, 28 (MICHI DUNDEE	3,619	_		1 1	160	r		1			
FREMONT, SEC. 32							DUNDEE	5,019				+		0.00		27,134	SHUT -	1.1.1.
	TRAVERSE	1957		3,058	2 L				1	ABANDONE	0 1950	10		892			89	
FREMONT	BEREA	1937 1946	FREMONT TWP., 131 SAGINAW	2,122	3 S	1	DUNDEE	3,150		ABANDON	0 1941	1 10		2,000	(DUNDEE A	ND BEREA	100	
	DUNDEE	1946	FREMONT TWP., 111	3,125			L	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ABANDON	D 1947	10		2,000	PRODUCTIO	N COMBINED)	100	-
GARFIELD	DETROIT RIVER	1946		5,038	10 S	T	SYLVANIA	5,307	1	ABANDON	0 1948	40		13,769		535.811	344	
	Detrior River	1,140	GARFIELD TWP., 1	·		18	31010110	1,,,,,,			.0 1940	1 10			1			-
GENEVA	DUNDEE	1935		,	2 L	T	DETROIT RIVER	3,898	•	ABANDON	n 1040	70		62 1/2	1	r	002	
GENEVA	DONDEE	1995	MIDLAND	3,671			I	1		L		1		63,143			902	
CENENA	TRAVEREE	Laval				1	29 ABANDONED IN 1	1		r		1 7(0		105.0(2	1			-
GENEVA	TRAVERSE	1940	VAN BUREN	1,042	· · · · ·	- <u>l</u>	TRENTON	2,950	//	ABANDON	0 1973	760	U	495,063	1		651	
		Lord				0, 21, T	22, 27, 28, 29, 3	1			<u> </u>		1.00/	1 1 000	1			_
GENEVA, SEC. 4	DUNDEE	1975	MIDLAND	3,718			DUNDEE	3,795	1	1 0	1	40	1,006	1,006			25	
GENEVA, SEC. 15	TRAVERCE	1075	GENEVA TWP., 15N			-		2 000				1 40						
GENEVA, SEC. 15	TRAVERSE	1975	MIDLAND	3,186	2 L		DETROIT RIVER	3,990	1	1 0	1	40	0	0				
			GENEVA TWP., 15N		· ···-	1	1	<u>.</u>		F		1			T			_
GIBSON	TRAVERSE	1935	BAY	2,036	4 L		DETROIT RIVER	4,343		ABANDONE		130		51,892	I		399	
	DUNDEE	1950		2,942	4 L		1		1	ABANDONI	D 1952		PRODUCTIO	N COMBINED	WITH GIBSO	N IRAVERSE		-
		1 1		-3E, SE	CTIONS 1	, 2, 31	, 12 DUNDEE PRODU	7 7		·····		1			·····			
GIBSON, SEC. 20	DUNDEE	1951		3,097	11 L	J	DUNDEE	3,195	3	0 0	2	30	842	33,962	_		1,132	
		, 7	GIBSON TWP., 18N	-3E, SE	CTIONS 2	0, 29	T			<u> </u>		+	·····					
GILBERT LAKÉ	TRAVERSE	1956	OCEANA	2,032	8 L	42.5	REED CITY	2,711	5	0 0	1	50	1,048	59,376			1,188	
	r		COLFAX TWP., 16N	-15W, S	ECTIONS	34, 35	·····	·····				······						
GILMORE	MICHIGAN STRAY	1945	ISABELLA	1,560	3 S		DUNDEE	4,091	6	ABANDONE	D 1952	320				203,312		-
	r <u> </u>	,	GILMORE TWP., 16	N-5₩, S	ECTIONS	25, 26,	36 VERNON TWP.,	16N-4W	, SE	CTION 31					,			
GILMORE	DUNDEE	1955	ISABELLA	3,803	3 L	48.6	DUNDEE	3,812	12	0 1	2	120	2,162	396,937			3,308	
		<u> </u>	GILMORE TWP., 16	N-5₩, S	SECTIONS	30, 31,	32 NOTTAWA TWP.,	15N-5	N, S	ECTION 5								_
GOODWELL	TRAVERSE	1943	NEWAYGO	2,760	12 L	43.0	BASS ISLANDS	4,342	31	0 0	2	1,240	1,613	1,128,433			910	
			GOODWELL TWP., 14			IS 5, 6,	7, 8, 9, 16, 17											
GOODWELL	REFER TO TABLE 4	DEVEL	OPED GAS STORAGE F	RESERVO	IRS													
GOODWELL, EAST	MICHIGAN STRAY	1945	NEWAYGO	1,190	4 S		DETROIT RIVER	3,498	2	ABANDONE	D 1950	200				7,504		
			GOODWELL TWP., 14	+N-11W,	SECTION	IS 23, 2	1	11										
GRANT	GLACIAL DRIFT	1929	MASON	632	1 5		DUNDEE	2,385	3	ABANDONE	D 1955	120				8,020		
		 1	GRANT TWP., 20N-			T		11				T		······				
GRANT, SEC. 29	DETROIT RIVER	1953	HURON	3,358	8 D	38.8	BOIS BLANC	3,918	3	0 0	3	120	0	20,159			168	
			GRANT TWP., 15N-	ITE, SE	CTION 25) 		,,							,			
GREEN	MICHIGAN STRAY	1946	MECOSTA	1,250	3 S		REED CITY	3,710	2	ABANDON	D 1951	320				73,368		
			GREEN TWP., 16N-	IOW, SE	CTION 18			,				.,						
GREEN OAK	TRENT, -BLK, RIVER	1967	LIVINGSTON	4,682	10 D		BLACK RIVER	5,560	1	ABANDON	D 1970	40		2,836			71	
		······	GREEN OAK TWP.,	N-6E,	SECTION	14		+						····				
GREENWOOD, SEC. 3	TRAVERSE	1968	CLARE	3,438	14 L		DUNDEE	4,048	2	0 0	2	40	2,586	58,966			1,474	
			GREENWOOD TWP.,	19N~5W,	SECTION	IS 2, 3												_
GREENWOOD, SEC. 11	DUNDEE	1952	CLARE	4,054	10 L		RICHFIELD	5,432	1	ABANDON	0 1953	10		1,324			132	_
			GREENWOOD TWP.,	19N-5W,	SECTION	11												
GROUT	DUNDEE	1940	GLADWIN	3,825	4 L		DETROIT RIVER	5,240	5	ABANDONS	D 1957		PRODUCTIO	N COMBINED	WITH GROUT	RICHFIELD		
	DETROIT RIVERSZ	1958		4,801	12 D				1	ABANDONE	D 1963		PRODUCTIO	N COMBINED	WITH GROUT	RICHFIELD	Star of Assess	
	RICHFIELD	1956		5,039	10 D	41.7			17	0 0	11	680	37,850	1,673,527			2,461	
			GROUT TWP., 18N-;	zw, sec	TIONS 10	, 11, 1	4, 15											
HAMILTON	MICHIGAN STRAY	1940	CLARE	1,270	3 S		RICHFIELD	5,395	4	ABANDONE	D 1954	440				275,606		
	DUNDEE	1940		4,041	10 L	41.8			3	ABANDONE	D 1959	30	PRODUCTIO	N COMBINED	WITH HAMILI	TON RICHFIE	LD	
	RICHFIELD	1952		5,145	12 D	42.2			45	0 0	26	1,870	167,519	6,058,713	112,573	3,895,865	3,189	1,
			HAMILTON TWP., 1 MICHIGAN STRAY	A HAMLI	SECTIONS TON TWP	5, 6, SECTI	7, 8, 15 HAYES TV ONS 15, 23, 26	(P., 19)	N-4W	, SECTION	15 1, 2	FROST						
HAMILTON, NORTH	REFER TO TABLE 4	DEVEL	OPED GAS STORAGE F															
HAMLIN 5-IN-3W	NIAGARAN REEF	1975	EATON	3,650	60 D		NIAGARAN	3,900	2	2 0	2	160	711	711			4	
HAMLIN 5-1N-3W	NIAGARAN REEF	1975	EATON	3,801	12 D	1	NIAGARAN	3,867	1	1 0	1	160			0	0		
POOL A			HAMLIN TWP., 1N-					1		L		1		i		ů		
HAMLIN 8-1N-3W	NIAGARAN REEF	1972	EATON	3,640	65 D	1	CLINTON	4,058	2	0 0	2	160	105,221	186,517	93,701	147,587	1,166	
HAMLIN 8-1N-3W POOL A	NIAGARAN REEF	1975	EATON	3,697	11 D		CLINTON	4,056	1	1 0	1	80	434	434		,	5	
FOULA	A second se		HAMLIN TWP., 1N-			1			L	ł		1		1	L JLT OF PUBL	L		
		<u>г</u>				1					1	1					119	
HAMLIN 10-1N-3W	NIAGARAN REEF	1974	EATON	3,657	5 D		NIAGARAN	3,805	2	1 0	2	240	28,224	28,507	17,201	17,201		

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	- POOL CLASSIF	ICATION		IVE OIL FIELD OR POOL	004	1 '	T	TVE GAS FIELD OR POOL NDONED GAS FIELD OR P			G				D OR POOL INSATE FIELD	OR POOL	-	TORAGE RESERV		ERVC
Г		PRODUCING				PAY ZONE	·	DEEPEST FORMATION	OCOTU	NID	1	OF WEI		1	DIL PRODUCT	ION-BBLS.	GAS PRODUC	TION - Mc.f.	RECOVERY	10
	FIELD NAME	FORMATION OR PCOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCING SECTIONS	DEPTH 1N FEET	THICKNESS AND LITHOLOGY	OIL GRAVITY	OR POOL TESTED	IN FEET			ABAND. IN	ACTIVE AT END	ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975		CUMULATIVE THROUGH 1975	PER ACRE	BAF BF PEF
	HAMLIN 23-1N-3W	NIAGARAN REEF	1974	EATON	3,640	38 D		NIAGARAN	3,808	1	0	0	1	80	409	409	187,868	187,868	5	
		L	1	HAMLIN TWP., 1N-	3w, SE(CTION 23													·····	
	HANOVER	TRENT,-BLK. RIVER	R 1959	JACKSON	4,012	120+ D	43.0	PRAIRIE DU CHIEN	4,604	10	0	0	2	180	1,767	1,319,470		586,017	7,330	Ĺ
				HANOVER TWP., 45	-2₩, SE	ECTIONS 8	9										r	r	······································	_
	HARDY DAM	REED CITY	1966	MECOSTA	3,351	5 D	44.8	DETROIT RIVER	3,482	22	0	2	15	880	20,358	1,113,876			1,266	1
				AETNA TWP., 13N-	10W, SH	ECTIONS 5	6,7,			,				T			·,		r——	_
L	HARRISON	MICHIGAN STRAY	1945	CLARE	1,675	3 S		SYLVANIA	5,633			DONED		760				598,465		-
		DUNDEE	1945		4,190	£	39.7			2	0	0	2	80	1,948	161,468		[]	2,018	L
L		r			r			13 HATTON TWP., 1		<u> </u>					RAY) DUNDE		TWP., SEC	TION /	775	—
	HART	TRAVERSE	1933	OCEANA	1,911	54 D	34.0	ST, PETER SS.	5,531	1	ABAN	DONED	1936	150		116,275	LJ	L	775	I
Ĺ			1		T	1	ELBRID	GE TWP., 15N-16W,	T	1 1		0	1	160			1,975	1,975		Г
Ĺ	HARTWICK	MICHIGAN STRAY	1968	OSCEOLA	1,681	25 S		MICHIGAN STRAY	1,706		0	0	1	160			1,975	(,375	LI	L
┝			1	HARTWICK TWP., 1	i	r		DUNDER	1. 000	4	ADAN	DONED	101-8	160		139,272	(· · · · · · · · · · · · · · · · · · ·		870	Γ
-	HATTON	DUNDEE	1941	CLARE	3,945	2 L	LINCO	DUNDEE	4,000	1	ADAM	DUNED	1940	100		155,272	Ĺ			L
┝			1046		1,103	1 L	36.0	LN TWP., 18N-5W, S DETROIT RIVER	1,385	T	ARAN	DONED	1960	160		68,292			427	Γ
	HAWKHEAD	TRAVERSE	1946	CASCO TWP., 1N-1		1		benorr artes	[.,,)0)	11						,	i	l	<u> </u>	h
	US ADDUAD TERS	MICHICAN STRAY	1945	CLARE -ROSCOMMON	1,340	1		BOIS BLANC	5.929	12	0	0	1	1,760			SHUT	- I N		Γ
-	HEADQUARTERS	MICHIGAN STRAY	1945	55,110360rm0N	3,356	1	42.3		f	47	0	0	2	1,400	PRODUCTIO	N COMBINED	WITH RICHF		<u>, 1</u> IN	<u> </u>
-		DUNDEE	1958		3,899	12 L	39.9		1	1	0	D	1	10	PRODUCTIO	N COMBINED	WITH RICHF	IELD SHUT-	IN	_
-		DETROIT RIVER SZ	-		4,946	13 D	43.7		1						PRODUCTIO	N COMBINED	WITH RICHF	IELD		Γ
ŀ		RICHFIELD	1952		5,147	23 D	42.6	}	1	60	0	1	37	2,320		10,561,715		4,248,560	2,832	Γ
t		L		ROSCOMMON TWP,, FRANKLIN TWP,, 2	21N-3W ON-3W	, SECTION SECTIONS	\$ 17, 1 3, 4,	9, 20, 21, 28, 29, 10, 11, 15	30, 3	2, 3	3, 34		THE 3 6 R10	7 WELLS HFIELD	INCLUDE 1 & SOUR ZON	2 RICHFIELD), 19 SOUR :	ZONE &		
																				_
ľ	НЕАТН	TRAVERSE	1948	ALLEGAN	1,498	2 L	38.0	SALINA	2,716	5 25	0	0	3	270	979	210,374			779	
ľ				HEATH TWP., 3N-1	4W, SE	CTIONS 11	, 12, 1	3, 14												
	HEATH, SEC. 21	SALINA	1960	ALLEGAN	2,492	19 D		SALINA	2,789	1	ABAN	IDONED	1965	160				63,430		L
				HEATH TWP., 3N-1	4W, SE	CTION 21											,			-
I	HEATH, SEC. 35	TRAVERSÉ	1945	ALLEGAN	1,468	2 L		TRAVERSE	1,470	1	ABAN	DONED	1946	10		559		<u> </u>	56	
ĺ				HEATH TWP., 3N-1	4₩, SE	CTION 35			T				·····			r	T	T	,	τ-
	HENDERSON, SEC. 23	RICHFIELD	1975	WEXFORD	4,894	8 D		AMHERSTBURG	4,970	1	1	0	1	40	141	141	L	<u> </u>	4	
l				HENDERSON TWP.,	1	T	N 23		1				1 -			1			, ,	—
1	HERSEY	MICHIGAN STRAY	1971	OSCEOLA	1,510		L	MICHIGAN STRAY	1,638	3 5	0	0	5	800			39,198	39,198		
				HERSEY TWP., 17M			6, 35,	36												
ł	HESSEN	T	Т	LOPED GAS STORAGE	1	1	1	1	1	1				200		124,401	<u> </u>	1	415	Г
+	HILLIARDS	TRAVERSE	1944	ALLEGAN	1	1.2 L		NIAGARAN	3,15	6	0	DONED	6	300 960	882		<u> </u>	2,240,007		-
1		SALINA A-1 CARB	1958		2,938		h 6 (1	RAVERSE) DORR TW	р <u>Ц</u> М.		·	<u>ا</u>	L			·		1		
ł	HOLTON	TRAVERSE	1948	1	1,993	1	1	DUNDEE	2,55) 1963	60		95,911	T	<u> </u>	1,598	Г
ł		INAVENSE	1.540	HOLTON TWP., 121	k	1	<u> </u>		1-1-1	1	1			i		I	1	<u>L</u>	J	_د
	HOME, SEC. 26	TRAVERSE	1964	1	3,096	1	45.3	REED CITY	3,618	8 2	0	0	1	20	2,057	CUMULATI	VE PRODUCTI	ON COMBINE	D WITH D	UN
+	HUHE, SEC. 20	DUNDEE	1970	+··	3,513	+				4	0	0	4	200	4,800			1	337	Ţ
-			1		1		27 (TF	AVERSE) SECTION 2	7 (DUN	DEE)	THE	5 WEL	L_ LS INH	CLUDE 1	TRAVERSE,	2 DUNDEE AI	ND 2 TRAVER	SE AND DUN	DEE COMM	IIN
1	HOPE	TRAVERSE	1939	Τ	1,869	T	37.6	1		-	0	0	37	650	8,654	1		Γ	1,016	
-		1		HOPE TWP., 2№-94	√, SECT	FIONS 26,	27, 28,	33, 34, 35 BARR	Y TWP.	, 1N-	9W. S	SECTIO	ONS 1,	2, 3, 1	2					_
1	HOPKINS	TRAVERSE	1939	ALLEGAN	1,633	3 4 L	41.5	DETROIT RIVER	1,96	5 10	ABAN	NDONED	1956	110		145,513			1,323	
İ				HOPKINS TWP., 3	N-12W,	SECTIONS	22, 23							,						·
ľ	HOPKINS, SOUTH	TRAVERSE	1948	ALLEGAN	1,538	3 3 L	38.0	TRAVERSE	1,61	1 35	0	0	1	330	305	270,175	l	<u> </u>	819	1
				HOPKINS TWP., 3	N-12₩,	SECTIONS	19, 30,	31, 32						·		·	т	······		
ſ	HOPKINS, WEST	TRAVERSE	1941	ALLEGAN	1,37	1 2 L	41.5	CLINTON	3,14	0 31	+	NDONED		370		388,777	+	_	1,051	+
1		SALINA	1956		2,75	5 7 D	17.9			2	ABA	NDONED	D 1968	20		1,849	<u> </u>	<u> </u>	92	1
ļ				HOPKINS TWP., 3	N-12₩,	SECTIONS	7, 18													
ĺ																				
ļ	HOWELL	T		LOPED GAS STORAGE	1	T	1	T	1	.	[1.0 1.70	T		970	T
ļ	HUBBARDSTON	DUNDEE	194;	1	3,02	\$	1	DUNDEE	3,07	2 5	ABA	NUUNE	D 1959	50		48,479	ļ	.l	1 970	1
		1		NORTH PLAINS TW	1		1		3,40	0 12	0	0	3	260	1,11;	557,009		T	2,142	Ţ
1	HUBER	TRAVERSE	1955	DENVER TWP., 14	2,10		41.3	DETROIT RIVER	3,40	<u>~_`</u> ,	L .	1	1,	1	.,	1	1	.J	1	1
t		SALINA-NIAGARAN	10-		N-14W, 4,18	1	1, 5, 1	NIAGARAN	4,45	0 4	0	0	4	320	142,456	211,937	68,614	4 100,081	662	Ţ
	INGHAM 12-2N-1E	REEF	1973	INGHAM TWP., 2N	L			ATAGANAN	1,42	~) ⁻	Ľ	I	1	L		1	1	1		1
				1	1	T	41	TRENTON	6,22	4 5	1	0	5	400	154,75	224,048	85,725	5 118,093	560	Ţ
	INCHAN 12 AP 10	NIACADAN DEET	107										1 -	1			1	1		- H
	INGHAM 13-2N-1E	NIAGARAN REEF	1971	1	4,19		.1		1	_L		J								
		SALINA-NIAGARAN		INGHAM TWP., 2N	-1E, SI	ECTION 13	1	······································	4.60		0	0	4	320	107,19	7 158,477	40,462	2 58,828	3 495	;[
	INGHAM 13-2N-1E	1	1	INGHAM TWP., 2N	-1E, SI	ECTION 13 8 66 D		CLINTON	4,60		0	0	4	320	107,19	7 158,477	40,462	2 58,828	495	;

Γ,	— POOL CLASSI	FICATION	-	TIVE DIL FIELD OR POOL Andoned dil Field or F			11. I	CTIVE GAS FIELD OR POO MANDONED GAS FIELD OR							ELD OR POOL DENSATE FIELD	OR POOL	Ŷ	STORAGE RESER		ERVOIR
		PRODUCING FORMATION	YEAR	COUNTY TOWNSHIP		PAY ZON	-	DEEPEST FORMATIO			_	OF WE		DRILLED	OIL PRODUC		GAS PRODUC	T	RECOVERY PER ACRE	TOTAL BARREL
	FIELD NAME	OR POOL	DISC.	PRODUCING SECTIONS	DEP TH IN FEET	THICKNESS AND LITHOLOGY	GRAVITY	POOL TESTED	IN FEET	TO C END	IN	ABAND. 1N 7 5	ACTIVE AT END	ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED 18 1975	CUMULATIVE THROUGH 1975	DRILLED (BBLS.)	BRINE PER DA
첽	ISABELLA	MICHIGAN STRAY	1949	ISABELLA	1,454	7 S		DETROIT RIVER	3,993	6	ABAN	DONED	1956	240				335,791		
		DUNDEE	1948	ISARELLA TWP 1	3,783	9 D		(MICHIGAN STRAY)	15 4051	20	0	0	1	370	537	826,837		138,559	I	
ž	ITHACA	MICHIGAN STRAY	1943	GRATIOT	900	1	T	DUNDEE	3,419	1 1		DONED		800	DITAWA TWP.	, 15N-5W,	SECTIONS 12	1,520,995	DEE)	
5				ARCADIA TWP., 11	N-3W,	SECTIONS	25, 35,	36		·/									1	
	JEFFERSON	TRAVERSE	1961	CASS	710	}		PRAIRIE DU CHIE	N 2,603	23	3	0	3	500		101,330			253	
	JEROME	DUNDEE	1947	JEFFERSON TWP., MIDLAND	7S-15W	r		26, 27, 35 DETROIT RIVER	ABAND	T T	0	971, F	REACTI 3	VATED 260	N 1975 2,474	244,336			010	
5			1.2.0	JEROME TWP., 15N	1		1			<u> </u>	<u></u>	1		200	2,4/4	244,330	I		940	
	JOHNSTOWN	TRAVERSE	1951	BARRY	1,870	2 L	37.0	TRAVERSE	1,899	5	0	0	2	50	1,672	35,868			717	
		T		JOHNSTOWN TWP.,	1	1	1	T			r								,,	
5	KAWKAWLIN	BEREA DUNDEE	1941	BAY	1,505	4 S 45 L		ST. PETER SS.	10,477	4	0	0	4 288	40 6,400	1,451	CUMULATI		ROIT RIVER 4,590		24
D		DETROIT RIVER	1939		3,515	5 D	42.0		+	1	c	0	8	280		DETROIT 1 14,915,862		4,000	2,220	24
X		SALINA	1941		7,760							DONED		40				NO RECORD		
2								IA) KAWKAWLIN TWP , 11, 12 BANGOR	., 15N- IWP., 1	4E, SE 4N-5E	ECTIO , SEC	DNS 26	5, 27, 4, 5	28, 29	8, 9, 33, 34, 3 8, 9	35, 36				
-	KIMBALL ŁAKE	TRAVERSE	1947	BANGOR TWP., 15N NEWAYGO	-5E, S	ECTION 3	43.0	ST. PETER SS.	6,689	104	0	0	3	2,120	1 096	(000 00(
		REED CITY	1955	NENA100	2,852	37 ?		51, FEIER 55,	0,009	2	0	0	3	2,120	1,086	6,229,236	GAS TO OP	2,123,116 ERATE TRAVE	L	
)			· · · · · · · · · · · · · · · · · · ·	GARFIELD TWP., 1	2N-13W	, SECTION	NS 2, 10	, 11, 12, 13, 14,	15, 24						·4					
	LACOTA	TRAVERSE	1946	VAN BUREN	1,110	2 I.		TRAVERSE	1,208	11	ABANO	DONED	1955	120		51,904			433	
2	LAKEFIELD	DUNDEE	1937	GENEVA TWP., IS- SAGINAW	16W, S		1	Counter -	1											
5		DUNDEL	1957	LAKEFIELD TWP.,	1	12 L , SECTION	39.0 N 1	DUNDEE	3,197	1	0	0	1	10	657	30,872			3,087	
	LAKE GEORGE	DUNDEE	1954	CLARE	3,968	2 L	43.8	DUNDEE	3,997	10	0	1	2	100	2,630	370,790			3,708	30
2		,	TT	LINCOLN TWP., 18	N-5W,	SECTION 6	6													
	LAKETON	TRAVERSE	1965	MUSKEGON	1,698	4 i.	41.4	REED CITY	2,199		1	0	7	200	7,302	286,069			1,430	7
		DUNDEE	1972	LAKETON TWP., 10	2,073	SECTIONS	10 15		L	1	0	0	1	40						
	LAKEVIEW	TRAVERSE	1961	MONTCALM	2,941	4 L	42.5	REED CITY	3,495	2	0	0	2	20	498	9,942			497	
Ŋ			4	CATO TWP., 12N-8	w, SEC	T10N 22														
1	LARKIN	BEREA	1935	MIDLAND	2,473	4 S	39.0	DUNDEE	3,829	2	BAND	ONED	1945	20		7,070			353	
4	LAWTON	TRAVERSE	1939	LARKIN TWP., 15N	-2E, SI		37.5	TRENTON	2,775	45	0	1	3	650	497	212,390				
			1	PORTER TWP., 45-	L		1	, 18, 19, 20 DEC/	4				1		45/	212,390			327	
X	LEATON	MICHIGAN STRAY	1935	ISABELLA	1,240	2 S		DUNDEE	3,710	5 A	BAND	ONED	1940	400				185,609		
		DUNDEE	1929		3,657			DETROIT RIVER	4,390		0	0	2	500		1,781,941			3,564	14
) (LEBANON	TRAVERSE	1948	DENVER TWP., 15N CLINTON	-3W, SE 2,548		7, 19 (MICHIGAN STRAY) I TRAVERSE				TONS	1	1	ISABELLA TW		, SECTIONS	24, 25 (DU	1	
		INATENSE	1,740	LEBANON TWP., 8N				TRATERSE	2,570		(DANU	UNED	1950	10		1,036			104	
*	LEE	TRAVERSE	1941	ALLEGAN	1,170	1 L	1	TRAVERSE	1,207	6 A	BAND	ONED	1952	60		3,030			51	
			, ,	LEE TWP., IN-15W,	SECTI	ONS 18,	19 CAS	CO TWP., 1N-16W, S	ECTION	13								······		
÷	LEE 2-15-5W	NIAGARAN REEF	1973		3,377	12 D		CLINTON	3,710	4	1	0	4	400	600	600	263,022	263,022	2	
) 원	LEE 3-15-5W	SALINA-NIAGARAN RÉEF	1972	LEE TWP., IS-5W, CALHOUN-EATON	SECTIO 3,219	N 2 85 D	1	NIAGARAN	3,686	4	0	0	4	160	53	1,975	154,359	154,359	12	
X	LEE 3-1S-5W POOL A	SALINA-NIAGARAN REEF	1975		3,160	196 D		NIAGARAN	3,532		2	0	3	160			58,685	58,685	, 1	
		CALINA 0120-0	,	LEE TWP., 1S-5W,	SECTIO	DN 3 WAL	TON TWP	., 1N-5W, SECTIONS	34, 35	DE	CLAR	ED A :	SEPAR	TE POO	L AS A RESU	LT OF PUBL	IC HEARINGS			
8	LEE 4-1S-5W	SALINA-NIAGARAN REEF	1972		3,162	86 D		NIAGARAN	3,415	2	0	0	2	320	52	178	151,414	671,476		
	LEE 8-15-5W	SALINA-NIAGARAN REEF	1974	LEE TWP., 15-5W, CALHOUN	SECTIO 3,118	MS 4, 9	1	NIAGARAN	3,841	2	1	0	2	320	651	889	251. 000	1056 110		
- 12				LEE TWP., 1S-5W,	. 1	8 N	L		12,041	-	<u>' I</u>	<u> </u>	۷	520	1100	009	354,055	456,149	3	
8	LEE 10-15-5W	NIAGARAN REEF	1973	CALHOUN	3,172	30 D		NIAGARAN	3,329	1	0	0	1	160	465	465		88,837	3	
8				LEE TWP., 1S-5W,	SECTIO	N 10	1	······	······					,		,				
	LEF 10-15-5W	NIAGARAN REEF	1974		3,327	6 D		NIAGARAN	3,399	1	0	0	1	160	60,625	83,609	32,383	32,819	523	
	LEE 10-15-5W POOL A			LEE TWP., 1S-5W,	350110		<u> </u>	NIAGARAN	3,370	1	0	0	1	160	268	571	302,338	853,545	4	
	LEE 10-15-5W POOL A	NIAGARAN REEF	1972	CALHOUN	3,180	34 D	1 1		1		· .	- 1	· 1		200	2/1		~~, 245		
	POOL A	NIAGARAN REEF	1972	CALHOUN LEE TWP., 15-5W,			1													
	POOL A	NIAGARAN REEF	L	LEE TWP., 1S-5W,			26.3	FRANCONIA	6,000	5	0	0	5	200	80,812	111,506	77,026	128,132	558	3
	POOL A LEE 12-15-5W LEE 13-15-5W LEE 13-15-5W	NIAGARAN REEF	1973	LEE TWP., 1S-5W, CALHOUN LEE TWP., 1S-5W,	SECTIO 3,184 SECTIO	IN 12 10 D IN 13	26.3	FRANCONIA	·1										558	3
	POOL A		1973	LEE TWP., 1S-5W, CALHOUN LEE TWP., 1S-5W, CALHOUN	SECTIO 3,184 SECTIO 3,165	IN 12 10 D IN 13 20 D	26.3	·····	6,000 3,623			0	5	200 160	80,812	111,506	77,026 264,075	128,132 665,312	558	3
	POOL A LEE 12-15-5W LEE 13-15-5W LEE 13-15-5W	NIAGARAN REEF	1973 1973	LEE TWP., 1S-5W, CALHOUN LEE TWP., 1S-5W, CALHOUN LEE TWP., 1S-5W,	SECTIO 3,184 SECTIO 3,165	IN 12 10 D IN 13 20 D	26.3	FRANCONIA	·1	3	0				0	184	264,075	665,312	1	
	POOL A LEE 12-15-5W LEE 13-15-5W LEE 13-15-5W POOL A	NIAGARAN REEF NIAGARAN REEF	1973 1973	LEE TWP., 1S-5W, CALHOUN LEE TWP., 1S-5W, CALHOUN LEE TWP., 1S-5W,	SECTIO 3,184 SECTIO 3,165 SECTIO 3,198	IN 12 10 D IN 13 20 D IN 13 6 D	26.3	FRANCONIA	3,623	3	0	0	3	160					'- 	37

Γ	POOL CLASSI	FICATION	-	TIVE GIL FIELD OR POOL ANDONED GIL FIELD OR P	DOL	1	T	TIVE GAS FIELD OR POOL ANDONED GAS FIELD OR P				,			LD OR POOL ENSATE FIELD	OR POOL	÷	STORAGE RESEF		SERVOI
	FIELD NAME	PRODUCING FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRUDUCING SECTIONS	E N I	PAY ZONE THICKNESS	ÓIL GRÁVITY	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	h	IN	ABAND. In	ACTIVE AT END	DRILLED ACRES	OIL PRODUC PRODUCED	CUMULATIVE THROUGH	GAS PRODUCED	CUMULATIVE THROUGH	RECOVERY PER ACRE DRILLED (BBLS.)	BRIM
X	LEE 17-15-5W	A-1 CARBONATE & NIAGARAN REEF	1972		FEET 3,074	10 D	A.P.I.	PRAIRIE DU CHIEN	4,896	1	1 9 ABANE		1973	160	1975	1975 512	1975 GAS PRODU INDLUDED	1975 CTION WITH CAL-L	EE 3	
D		· · · · · · · · · · · · · · · · · · ·		LEE TWP., 15-5W,	SECTIO	DN 17							· · ·				·		1	
	LEE 30-15-5W	NIAGARAN REEF	1975		2,950	8 D		NIAGARAN	3,040	1	1	0	1	80						
75	LEE 32-15-54	A-1 C.& NIAGARA	N 1975	LEE TWP., 1S-5W, CALHOUN	2,557	48 D		CLINTON	3415	1	1	0		80	783	783			10	
5			<u> </u>	LEE TWP., 1S-5W,	J	DN 32	1	*REFER TO 1975 DI	L	Y WEI			R PAY					I		I
D	LEE, SEC. 33	TRAVERSE	1971	ALLEGAN	1,155	5 L		TRAVERSE	1,160	2	0	0	2	20	617	4,019			201	
2		T	· · ·	LEE TWP., IN-15W	1 1		1	·	r											<u> </u>
))	LEE, SOUTH	TRAVERSE	1949	L	1,171 SECT	1 L	ASCO TW	P., IN-16W, SECTIO	1	12	ABANI	DONED	1953	120		91,117		<u> </u>	759	1
Ð	LENOX	REFER TO TABLE	4 DEVE	LOPED GAS STORAGE																
X	LEONARD	NIAGARAN REEF	1963	OAKLAND	4,245	21 D		CLINTON	4,450	14	2	0	14	640	33,323	42,437	1,326,519	2,295,122	66	
2				ADDISON TWP., 5N	-11E, 1	SECTIONS	14, 15,	22		, - 1			r,					<u>.</u>		,
	LEROY	REED CITY	1965	}	3,796			REED CITY	3,800	2	0	0	2	80	1,918	38,012			475	
2	LESLIE 4-IN-IW	SALINA-NIAGARAN	1973	LEROY TWP., 19N-	10W, SE	46 D	}	CLINTON	4,390	1	0	0	1	80	2,574	11,059			138	,
		REEF	1.775	LESLIE TWP., 1N-			1		-,,,,,	<u> </u>					2,374	,1,055	I	1		1
	LIME LAKE	PRAIRIE DU CHIE	N 1960	1	3,461	5 D	44.6	PRAIRIE DU CHIEN	3,533	1	ABAN	DONED	1965	20		7,842			392	-
)		r		WRIGHT TWP., 85-	1W, SEC	CTICN 11		r	γ				r						Ţ	,
	LINCOLN, SEC. 18	TRAVERSE	1957		2,717	1 L		DUNDEE	3,062	2	0	0	2	20	0	3,597			180	
	LINCOLN, SEC. 27	DUNDEE	1974	LINCOLN TWP., 18 ISABELLA	<u> </u>	10 D	8	DUNDEE	3,711	2	1	0	2	80	6,055	6,603			83	1
	2110028, 320, 2/	L	1,3/4	LINCOLN TWP., 13			1. 27, 28	1	1-1/1	1 1			L		0,00	0,005	L	I	L	1
ſ	LINCOLN, SEC. 31	DUNDEE	1963	1	2,942	10 D	34.9	DUNDEE	2,986	1	ABAN	DONED	1968	10	C OMB I NE D	WITH SECTIO	ON 18 PRODU	ICT I ON		Γ
				LINCOLN TWP., 18	N-4E, S	SECTION 3	1											·		
8	LOGAN	RICHFIELD	1941	1	3,260	5 S	L	RICHFIELD	3,330	2	ABAN	DONED	1975	80				13,289		
) {	LOGAN	WEIR	1949	LOGAN TWP., 17N- OGENAW	15W, SE		, 16	RICHFIELD	4,537	PP	спист	LON C	OMBINE	D WITH				T	1	T
र ४	LOGAN	BEREA	1945		1,420			KIGH IEED	1,357	16	0	0	14	2,240			50.954	1,168,872		+-
)		L	1	L	A A	TIONS 16	, 17, 1	8, 20, 23, 25, 26	CHURC	HILL	TWP,	, 22N	1. I 1-3E, SI		1, 11, 12			1		1
	LUCHT	TRAVERSE	1949	BAY	2,230	3 L	37.2	DUNDEE	3,240	5	0	0	1	50	439	195,680			3,914	
		T		PINCONNING TWP.,	1			r												1
	LUTHER	TRAVERSE	1965	NEWKIRK TWP., 19	2,565	2 L	42.0	REED CITY	3,362		ABAN	JUNEU	1973	20		28,117			1,406	
	LUTHER, NORTH	REED CITY	1970	T	3,518			REED CITY	3,556	4	0	0	4	160	1,322	11,776			74]
				ELLSWORTH TWP.,	1 19N-11V	, SECTIO	NS 7, 8	1	·	LI	L		If	1			L	s		
X	LYNDON	TRAVERSE	1958	WASHTENAW- LIVINGSTON	1,311	6 D		TRENTON	5,008	6	0	0	6	960				375,600	DOMEST	10 0
X		DETROIT RIVER	1959		1,733					1		ION C	OMB NE	WITH	TRAVERSE					
			+				7 UNA	DILLA TWP., 1N-3E,		1	r		···· /						1	<u>, </u>
	MACON CREEK	TRENTBLK. RIVE	R 1961	MACON TWP., 55-5	5 i	36+ D	1	TRENT,-BLK. RIVER	3,303		0	0	1	40	0	1,062	SHUT	- ! N	27	
ž	MAPLE VALLEY, SEC. 16	MICHIGAN STRAY	1958	MONTCALM	1,120			REED CITY	3,365	1	0	0	1	160					DOMEST	10 1
)	510.10	J	1	MAPLE VALLEY TWP	i		1 10N 16		J	L	L		1.1	h				1		
X	MARATHON	BEREA	1955	LAPEER	1,449	18 S		RICHFIELD	3,172	4	0	0	4	40					DESIGNA RESERVO	TED A
		DETROIT RVIER S			3,013					<u> </u>						N COMBINED	WITH RICHF	TELD	 	-
		RICHFIELD	1971		3,102		16 77	18, 21 (DETROIT B	IVED C	(12 7) S		0	12	320	83 DN 18 (RIC		L	1	90	
	MARINE CITY	SALINA-NIAGARAN	1 1955	1	2,176		1	CLINTON	2,428	1 1	0	0	13	660	16,867	427,196	298.297	5,206,583	647	
)		L	1.,,,,	COTTRELLVILLE TW			L	1	1						,,		. ,-,,	<u> </u>	1	
	MARINE CITY, SOUTH	SALINA-NIAGARAN	1962	ST. CLAIR	2,100	4 D	38.7	NIAGARAN	2,261	17	0	0	13	600	5,948	141,701			236	
X		SALINA A-1 CARE	1962		2,100												245,339	3,754,470		
	MARION			COTTRELLVILLE TW			TIONS 1	4, 23, 26, 27		GAS	WELLS	S COM	BINED	VITH 01	L WELL TOT	ALS				
	(WINTERFIELD) MARNE	REFER TO TABLE		LOPED GAS STORAGE	1,170			TRAVERSE	1,904	2	6RAN	DONEO	1946	20		6,253		}	313	<u> </u>
		DENCK .	1940		I		1 5 WRI	GHT TWP., 8N-13W,		1			. 940	20		<i>~,2)</i>		L	1	i
X	MARSAC CREEK	.SALINA-NIAGARAM REEF	1965	2	11	190 D		CLINTON	2,903		0	0	5	200		1,681	22,706	3,908,404	8	
)		· · · · · · · · · · · · · · · · · · ·		CASCO TWP., 4N-1	5E, SE(CTIONS 29	, 30	,		, I			I							
Ń	MARTIN	TRAVERSE	1948	ALLEGAN	1,617	T L	36.0	ST. PETER SS.	4,290	2	ABAN	DONED	1960	20		2,188		L	109	1
		T	1	MARTIN TWP., 2N-	11		[OCTODATE OFFICE	2 00-	<u>, </u>			<u>,</u> 1	(00)			11 .000	1 251 200	1	Τ-
X)	MARTINY	MICHIGAN STRAY	1934	l	1,370		12 22	DETROIT RIVER	3,807	5	0	0	4	680			11,256	1,251,320		1
4	MCBAIN	DUNDEE	1959	MARTINY TWP., 15 MISSAUKEE	N-8W, 3,969		45.0	DUNDEE	3,973	24	0	1	22	920	49,168	3,112,601			3,383	6
		1			<u></u>		l	0, 30 RICHLAND TW	L	*+			L					·		
-		MICHIGAN STRAY	1929		1,400	3 S		DETROIT RIVER	4,055		0	0	2	360				712,626	SHUT	- 1 N
X	MCKAY	Pirentiona Street	1.525							1	I		L			· · · · · · · · · · · · · · · · · · ·		L		

[POOL CLASSIF	ICATION	-	TIVE OIL FILLE OR POC	OGL		5	TIVE GAS FIELD OR POO ANDONED GAS FIELD OR			<u> </u>			LD OR POOL XENSATE FIELD	OR POOL	÷	STORAGE RESER NELOPED GAS S		SERVOIR
7	FIELD NAME	PRODUCING FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCING SECTIONS	DEPTH IN FEET	PAY ZON THICKNESS AND LITHOLOGY	01L GRAVITY	DEEPEST FORMATION OP POOL TESTED	I IN T		BER OF WE		DRILLED ACRES	OIL PRODUC PRODUCED 1N 1975	TION-BBLS. CUMULATIVE THROUGH 1975	GAS PRODUCED IN 1975	CTION - MCF. CURULATIVE THROUGH 1975	RECOVERY PER ACRE DRILLED (BBLS)	TOTAL BARREL BRINE PER DA
5	MEARS	TRAVERSE DUNDEE	1951 1949	OCEANA	1,745	2.5 DL 3 L	36.1 32.2	REED CITY	2,347		BANDONED		110 60		105,807	WITH MEARS		622	
2				GOLDEN TWP., 15N	-18W,	SECTIONS	34, 35												
ン と	MECOSTA	MICHIGAN STRAY	1966	MECOSTA MORTON TWP., 14N	1,345 -8w, SI		, ,	DUNDEE	3,709	2	0 0	2	320			718	115,271		
<u>み</u> こ	MECOSTA LAKE	MICHIGAN STRAY	1953	MECOSTA MORTON TWP., 14N	1,314 -8w, si	12 S	7, 20	DUNDEE	3,690	2 A	BANDONED	1956	320				84,071		
	MEDINA	TRENT, -BLK, RIVE	R 1961	LENAWEE MEDINA TWP., 85-	2,921	18 D	40	PRAIRIE DU CHIEF	3,487	1	0 0	1	40	0	4,324		L FOR DOMES	108	
5	MIDDLE BRANCH	MICHIGAN STRAY	1964	OSCEOLA	1,630		T	DETROIT RIVER	4,283	4	0 0	2	640		CONVERTED	TO GAS WEL	256,756	SHUT-	- 1 N
5		d	- L	MIDDLE BRANCH TW	P., 19	N-7W, SEC	TIONS 1	7, 18	1 1				I	L	L	1			
	MILLS, SEC. 1	DUNDEE	1957	MIDLAND	3,450	2 D		DUNDEE	3,463	1	0 0	1	10	0	8,363			836	
)				MILLS TWP., 16N-	2E, SE	CTION 1			·									L	
X	MINERAL SPRINGS	MICHIGAN STRAY	1952	OSCEOLA	1,397	3 S		DETROIT RIVER	3,963	4 A	BANDONED	1960	480				228,762		
		DUNDEE	1951		3,854	70	44.5			12	0 0	1	240	1,134	306,394			1,277	1:
2		I		SHERMAN TWP., 20	N-9W, 1	SECTIONS	16, 20,	21				6,376	BARREL	S OF TOTAL	OIL PRODUC	CED IN TRAV	ERSE	,,	
	міо	RICHFIELD	1946	OGEMAW-OSCODA	4,219	6 D	32.9	CLINTON	8,544	4	0 0	2	160	640	59,747			373	
2				MENTOR TWP., 25N	-3E, SE	ECTIONS 3	0, 32	ROSE TWP., 24N-3E	SECTIO	NS 3,	4								
	MOFFATT, SEC, 34	TRAVERSE	1964	ARENAC	2,100	4 D	L	DUNDEE	3,027	1	0 0	1	10	0	403			40	
		DUNDEE	1953		2,984	4 L	<u> </u>			1 A	BANDONED	1956	10		8,392			839	
		SALINA-NIAGARAN	T	MOFFATT TWP., 20	N-3E, S	SECTION 3	4	T	, .										
겎	MONTAGUE	REEF	1953	MUSKEGON	3,734?	80 D	1	TRENTON	4,517	3 A	BANDONED	1970	480				41,482		
)				MONTAGUE TWP., 1	2N-17W	SECTION	7 WHI	TE RIVER TWP., 121	-18w, s	ECTIO	N 12			·		·			
1	MONTEREY	TRAVERSE	1938	ALLEGAN	1,618	3 L	37.6	CINCINNATIAN	3,266	99	0 0	6	1,030	1,802	1,017,493			988	
ļ		· ····		MONTEREY TWP., 3	N-13W,	SECTIONS	2,4,	8, 9, 10, 11, 14,	15, 16,	17,	18, 20,	21, 22	, 23, 2	4, 27, 32,	36				
1	MORTON	MICHIGAN STRAY	1946	MECOSTA	1,279	2 S		DUNDEE	3,691	2 A	BANDONED	1973	320				118,377		
ļ				MORTON TWP., 14N	-8W, SE	CTIONS 1	5, 22		······										
ł	MT, CLEMENS	SALINA	1961	MACONB	2,590	18 D		CAMBRIAN?	4,695	1	0 0	1	40						DOME US
2				MACOMB TWP., 3N-	13E, SE	ECTION 34	ORIGI	NALLY OIL WELL COM	VERTED	TO A	DOMESTIC	GAS W	ELL 196	7					
				·····			<u></u>		·										
1	MT. FOREST	TRAVERSE	1952	BAY	2,124	3 L	36.2	RICHFIELD	4,305	4	0 0	2	80	PRODUCTION	COMBINED	WITH DUNDE	E		
1		DUNDEE	1947		3,025	90	34.1			37	0 0	26	960	9,922	903,032			868	
)		,		PINCONNING TWP.,	17N-46	, SECTIO	NS 18,	19 MT. FOREST TWP	., 17N-	3E, S	ECTIONS	13, 24						,	
	MT. FOREST, SEC. 1	DUNDEE	1946	BAY	2,960	2 L		DUNDEE	3,057	1 A	BANDONED	1946	10		1,906			191	
2				MT. FOREST TWP.,	17N-36	, SECTIO	IN 1		· · · · · · · · · · · · · · · · · · ·										
	MT. HALEY	DUNDEE	1934	MIDLAND	3,477	3 D	39.6	DUNDEE	3,500	1 A	BANDONED	1947	10		36,069			3,607	
		,	·	MT. HALEY TWP.,	13N-1E	SECTION	28	·····	· · · · · ·										
1	MT, PLEASANT	DUNDEE	1928	ISABELLA-MIDLAND	3,545	15 L	41.8	SYLVANIA	4,821	+85	0 1	138	5,710	86,374	27,908,814		7,809,323	4,888	70
	·····	L		L	1			L									AND TRAVER		
				GREENDALE TWP.,	14N-2W,	SECTION	IS 6 THR	OUGH 19 LEE TWP.,	14N-1W	, SEC	TIONS 7,	8, 18	DENVE	R TWP., 151	14N-3W, SEC 1-3W, SECTI	ONS 28, 33	, 3, 4, 11, , 34	12, 13	
ł	MUSKEGON	TRAVERSE-DUNDEE DETROIT RIVER	1927	MUSKEGON	2,025	6 L		ST. PETER SS.	4,754	?	0 0	2	1,520				7,237,438	DOMESTIC LEASE FU	EL .
1		TRAVERSE &			DN-16W,	SECTION	s 4, 5,	6, 7, 8, 9, 15, 2		TON T	WP., 10N	-17W,	SECTION	12				······	
1	MUSKEGON	DUNDEE	1928	MUSKEGON	1,700	3.5 £	37.4	ST. PETER SS.	4,754	?	0 1	11	3,170	2,131	7,018,866			2,214	2
4	INITTOIP						IS 3 THR	OUGH 10, 15, 16, 1	7, 21,	22 i	AKETON T	WP., 1	ON-17W,	SECTIONS	I, 11, 12,	13, 14			
)	MUTTONVILLE	1	1	LOPED GAS STORAGE				1	,									,,	·
π	NELLSVILLE	DUNDEE	1957	ROSCOMMON	3,710	6 D	40.3	DETROIT RIVER	5,165		BANDONED		10		16,528			1,653	
		RICHFIELD	1956		4,932	17 D	42.2			1 A	BANDONED	1967	40		10,912			273	
				ROSCOMMON TWP.,			s 8, 17		,					· · · · · · · · · · · · · · · · · · ·				r	
		· · · · · · · · · · · · · · · · · · ·	[979	5 S		DUNDE E	3,255	6 A	BANDONED	1968	960				441,757		
ſ	NEWARK	MICHIGAN STRAY	1948	L	L														
	NEWARK	MICHIGAN STRAY	1948	GRATIOT	L	SECTION	\$ 23, 2	4, 25, 26											
			 	NEW HAVEN TWP.,	ION-4W,		S 23, 2	1											
	NEWARK NEW BOSTON	MICHIGAN STRAY	1948 1943	NEW HAVEN TWP., WAYNE	2,635	4 L	S 23, 2	4, 25, 26 TRENTON	2,983	2 A	BANDONED	1949	20		2,349			118	
	NEW BOSTON	TRENTON	1943	NEW HAVEN TWP., WAYNE HURON TWP., 45-9 SHIAWASSEE-	2,635	4 L 110N 18		TRENTON	<u>г</u>										
			 	NEW HAVEN TWP., WAYNE HURON TWP., 45-9 SHTAWASSEE- GENESEE	2,635 , SECT 1,623	4 L 110N 18 4 S	46	TRENTON	3,494	19	0 1	14	20 680	14,383	2,349			118	
	NEW BOSTON NEW LOTHROP	TRENTON BEREA	1943	NEW HAVEN TWP., WAYNE HURON TWP., 45-9 SHIAWASSEE- GENESEE FLUSHING TWP., 8	2,635 2,635 , SECT 1,623 4-5E, S	4 L TION 18 4 S ECTIONS	46	TRENTON SYLVANIA 8 HAZELTON TWP.,	3,494 8N-4E, 1	19 SECT1	0 1 ONS 1, 1:	14	680	14,383	115,208				
	NEW BOSTON	TRENTON	1943	NEW HAVEN TWP., WAYNE HURON TWP., 45-9 SHIAWASSEE GENESEE FLUSHING TWP., 8 ALLEGAN	2,635 2,635 1,623 1,623 1,364	4 L 110N 18 4 S ECTIONS 1 L	46	TRENTON	3,494	19 SECT1	0 1	14		14,383					
	NEW BOSTON NEW LOTHROP NEW RICHMOND	TRENTON BEREA TRAVERSE	1943 1967 1965	NEW HAVEN TWP., WAYNE HURON TWP., 4S-9 SHIAWASSEE GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N	2,635 2,635 1,623 1,623 1,364	4 L 110N 18 4 S ECTIONS 1 L	46	TRENTON SYLVANIA 8 HAZELTON TWP.,	3,494 8N-4E, 1	19 SECT1	0 1 ONS 1, 1:	14	680	14,383	115,208			169	
	NEW BOSTON NEW LOTHROP	TRENTON BEREA	1943	NEW HAVEN TWP., WAYNE HURON TWP., 4S-9 SHIAWASSEE GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N	2,635 2,635 1,623 1,623 1,364	4 L 110N 18 4 S ECTIONS 1 L	46	TRENTON SYLVANIA 8 HAZELTON TWP.,	3,494 8N-4E, 1	19 SECT I 1 A	0 1 ONS 1, 1:	14 2 1966	680	14,383	115,208			169	
	NEW BOSTON NEW LOTHROP NEW RICHMOND NILES	TRENTON BEREA TRAVERSE TRAVERSE	1943 1967 1965 1940	NEW HAVEN TWP., WAYNE HURON TWP., 4S-9 SHIAWASSEE GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N BERRIEN NILES TWP., 7S-1	2,635 2,635 1,623 1-5E, S 1,364 -15W, S 602 7W, SEC	4 L 10N 18 4 S ECTIONS 1 L ECTION 1 7 L TIONS 1,	46 7, 8, 1 6 21.5	TRENTON SYLVANIA 8 HAZELTON TWP., TRAVERSE TRENTON	3,494 8N-4E, 5 1,365 2,089	19 SECTI 1 A 7 A	0 1 ONS 1, 1 BANDONED BANDONED	14 2 1966	680 10	14,383	115,208 104			169 10 424	
	NEW BOSTON NEW LOTHROP NEW RICHMOND	TRENTON BEREA TRAVERSE	1943 1967 1965	NEW HAVEN TWP., WAYNE HURON TWP., 4S-9 SHTAWASSEE- GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N BERRIEN NILES TWP., 7S-1 LENAWEE	2,635 2,635 1,623 1-5E, S 1,364 -15W, S 602 7W, SEC 638	4 L 10N 18 4 S ECTIONS 1 L ECTION 1 7 L TIONS 1, 2 D	46 7, 8, 1 6 21.5 2, 3	TRENTON SYLVANIA 8 HAZELTON TWP., TRAVERSE TRENTON PRAIRIE DU CHIEN	3,494 8N-4E, 1 1,365 2,089 3,284	19 SECTI 1 A 7 A	0 1 ONS 1, 1: BANDONED BANDONED 0 0	14 2 1966 1958 69	680 10 70 2,840		115,208 104 29,672		103,078	169 10 424 FIELD S NO MARK	HUT-
	NEW BOSTON NEW LOTHROP NEW RICHMOND NILES NORTH MORENCI	TRENTON BEREA TRAVERSE TRAVERSE TRAVERSE	1943 1967 1965 1940 1962	NEW HAVEN TWP., WAYNE HURON TWP., 4S-9 SHIAWASSEE- GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N BERRIEN NILES TWP., 7S-1 LENAWEE SENECA TWP., 8S-	2,635 , SECT 1,623 4-5E, S 1,364 -15W, S 602 7W, SEC 638 2E, SEC	4 L 10N 18 4 S ECTIONS 1 L ECTION 1 7 L TIONS 1, 2 D TIONS 10	46 7, 8, 1 6 21.5 2, 3 , 13, 1	TRENTON SYLVANIA 8 HAZELTON TWP., TRAVERSE TRENTON PRAIRIE DU CHIEN 4, 15, 16, 17, 19,	3,494 8N-4E, 3 1,365 2,089 3,284 20, 21	19 SECT1 1 A 7 A 59	0 1 ONS 1, 1; BANDONED BANDONED 0 0 23, 25,	14 1966 1958 69 27, 2	680 10 70 2,840 8, 29,		115,208 104 29,672 TWP,, 85-1	E, SECTION	103,078	169 10 424 FIELD S NO MARK 5	HUT-
	NEW BOSTON NEW LOTHROP NEW RICHMOND NILES	TRENTON BEREA TRAVERSE TRAVERSE	1943 1967 1965 1940	NEW HAVEN TWP., WAYWE HURON TWP., 4S-9 SHIAWASSEE- GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N BERRIEN NILES TWP., 7S-1 LENAWEE SENECA TWP., 8S- CASS	2,635 2,635 2, SECT 1,623 4-5E, S 1,364 -15W, S 602 7W, SEC 638 2E, SEC 660	4 L 10N 18 4 S ECTIONS 1 L ECTION 1 7 L TIONS 1, 2 D TIONS 10 2 L	46 7, 8, 1 6 21.5 2, 3 , 13, 1 37.0	TRENTON SYLVANIA 8 HAZELTON TWP., TRAVERSE TRENTON PRAIRIE DU CHIEN	3,494 8N-4E, 3 1,365 2,089 3,284 20, 21	19 SECT1 1 A 7 A 59	0 1 ONS 1, 1: BANDONED BANDONED 0 0	14 1966 1958 69 27, 2	680 10 70 2,840		115,208 104 29,672	E, SECTION	103,078	169 10 424 FIELD S NO MARK	
	NEW BOSTON NEW LOTHROP NEW RICHMOND NILES NORTH MORENCI	TRENTON BEREA TRAVERSE TRAVERSE TRAVERSE	1943 1967 1965 1940 1962	NEW HAVEN TWP., WAYNE HURON TWP., 4S-9 SHIAWASSEE- GENESEE FLUSHING TWP., 8 ALLEGAN MANLIUS TWP., 3N BERRIEN NILES TWP., 7S-1 LENAWEE SENECA TWP., 8S-	2,635 2,635 2, SECT 1,623 4-5E, S 1,364 -15W, S 602 7W, SEC 638 2E, SEC 660	4 L 10N 18 4 S ECTIONS 1 L ECTION 1 7 L TIONS 1, 2 D TIONS 10 2 L	46 7, 8, 1 6 21.5 2, 3 , 13, 1 37.0	TRENTON SYLVANIA 8 HAZELTON TWP., TRAVERSE TRENTON PRAIRIE DU CHIEN 4, 15, 16, 17, 19,	3,494 8N-4E, 5 1,365 2,089 3,284 20, 21 2,382	19 559 59 2 2 Ai	0 1 ONS 1, 1; BANDONED BANDONED 0 0 23, 25,	14 1966 1958 69 27, 2	680 10 70 2,840 8, 29,		115,208 104 29,672 TWP,, 85-1	E, SECTION 2,337	103,078	169 10 424 FIELD S NO MARK 5	HUT-1 ET

	POOL CLASSIFI	CATION	-	IVE OIL FIELS OR POOL NOONED DIL FIELD OR P	001		\mathfrak{T}	TVE GAS FIELD OR POOL NDOWED GAS FIELD OR P			T.			.D OR POOL ENSATE FIELD	OR POOL	•	STORAGE RESER		
Γ		PRODUCING FORMATION	YEAR	COUNTY TOWNSHIP	l	PAY ZONE		DEEPEST FORMATION OR	DEPTH		EROF		DRUIED	OIL PRODUC			CTION - Mc (RECOVERY PER ACRE	EARREL BRINE
	FIELD NAME	OR POOL	OF DISC.	PRODUCING SECTIONS	DEPTH LN FEET	THICKNESS AND LITHOLOGY	OIL GRAVITY A.P.I.	POOL TESTED	FEET	END	MP. JABAN <u>N IN</u> 975	D. ACTIVE AT END	ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	DRILLED (BBLS.)	PER DA
\$	NORTHVILLE	DUNDEE	1948	WASHTENAW-WAYNE- OAKLAND	788	2 L		CAMBRO- ORDOVICIAN	5,850			D 1961	640				0		
री		SALINA-NIAGARAN	1937		2,905	2 D						6	1,200		VELLS IN GA		RESERVOIR		
		NIAGARAN	1960		3,515	25 D	42.5		ļ					TRENTON	N INCLUDED	WITH	3,794,518		
		TRENTBLK, RIVE	ER 1954		4,395	70 D	39.8					3	2,835		1,075,702		14,332,358	379	1
-				SALEM TWP., 15-7	E, SEC	TIONS 1,	2, LYO	N TWP., 1N-7E, SEC NORTHVILLE TWP., 1	TION 3	DUN	DEE) I	LYON TW	P., 1N-7				ENTON-BLACK	RIVER	
								23, 25, 26 (SALI										•	
	NORTHVILLE	DEEER TO TABLE		OPED GAS STORAGE				TO GAS STORAGE AN											
忄	OLIVET	TRENTBLK. R IVI		EATON	4,450	5 D		PRAIRIE DU CHIEN	1	1		ED 1971	20	0	340			17	-
				BELLEVUE TWP., 1	ı N-16₩,	SECTION	24 24		1									-	
	ONONDAGA 10-1N-2W	NIAGARAN REEF	1971	INGHAM	3,784	40 D	38.4	PRAIRIE DU CHIEN	5,744	13	0 0	12	920	996,761	2,886,239	747,72	3 2,320,843	3,137	·
				ONONDAGA TWP., 1	N-2₩,	SECTIONS	2, 3, 1	0, 11, 14							·			·	1
	ONONDAGA 17-1N-2W	SALINA-NIAGARAN REEF	1973	INGHAM	3,620	50 D		NIAGARAN	3,850	1	0 0	1	80	59,388	156,460	38,75	4 82,718	1,956	
1	ONONDAGA 17-IN-2W POOL A	SALINA-NIAGARAI REEF	1975	INGHAM	3,610	L	37	NIAGARAN	3,830	1	1 0	1	80]	
1				ONONDAGA TWP., 1		T	1	1	1			1.0	1.20	1.70 (02	0 074 707	1 011 71	6 3,035,827	1,673	
+	ONONDAGA 21-1N-2W	NIAGARAN REEF	1971	ONONDAGA TWP., 1	3,629	1	33.2	MANITOULIN	4,125	10	1 0	18	1,360	4/9,092	2,274,727	[1,011,75	0 5,055,027	1,075	·1
	ORIENT	PECER TO TARIE	h DEVE	LOPED GAS STORAGE			19, 10,	.,, 2., 22											
ł	OTISVILLE	BEREA	1949	GENESEE - TUSCOLA	1,446	5 S		DUNDEE	2,694	1 /	BANDON	ED 1956	10	PRODUCTIO	N COMBINED	WITH DUND	EE		
t		TRAVERSE	1941		1,899	2 L				1 /	BANDON	ED 1946	10	PRODUCTIO	N COMBINED	WITH DUND	EE		
Ì		DUNDEE	1944		2,450	1	1			5	0 0	1	50	2,278	122,606	L	1	2,452	2
				FOREST TWP., 9N	8E, SE	CTIONS 5,	6, MI	LLINGTON TWP., 10	N-8E, S					ODUCTION I		WP., SECTI	ON 5	1	T
1	OTSEGO	TRAVERSE	1938		1,532	1 L]	TRAVERSE	1,600	<u> </u>		ED 1972	110		2,290	l		21	
				1	1		1	TROWBRIDGE TWP.,	1				01-0			50,39	5 595,021	1	1
	OTSEGO	ANTRIM	1940	BAGLEY TWP., 30P	1,385		L	27 28 20	3,944	9	0 0	3	840			50,55	555,021	1	J
	OTSEGO, SEC. 9	TRAVERSE	1950	1	1,456	1		TRAVERSE	1,457	4	ABANDON	ED 1951	40		681	[17	7
t			1.374	OTSEGO TWP., IN	<u> </u>		5, 8, 9	.L	1	L		RE	ACTIVAT	D BRIEFLY	IN 1958				
1	OTTER LAKE	BEREA	1945	GENESEE	1,50	z 4 S	35.5	DETROIT RIVER	3,142	10	0 0	6	110	WITH OTIS	E THROUGH	1975 COMBI EE	NED		
1		DETROIT RIVER	sz 1970		2,96	3 10 D				10	0 0	10	400	88	179,908			353	3
)				FOREST TWP., 9N	-8E, SI	CTION 12	(BEREA	SECTIONS 11, 12	(DETROI	T RIV	R SZ)		·					T	<u> </u>
	OTTO, SEC. 30	"BEREA"	1958	OCEANA	1,42	B 9 S		TRAVERSE	1,860	++		IED 1960					SECTION 32		
5		TRAVERSE	1955	1	1,85	1				1	ABANDON	ED 1960	20	L	COMBINED	WITH OTTO	SECTION 32		1
2			1.050	OTTO TWP., 13N-1	1,44	1	, <u>30</u>	TRAVERSE	1,895	2	0 0	2	10		4,308			108	8
	0TTO, SEC. 32	"BEREA"	1950	OCEANA OTTO TWP., 13N-				INAVENSE	1,000		<u> </u>	<u> </u>	1	· · · · ·	1				· I
4	OVERISEL	TRAVERSE	1938	1	1,47	1	42.1	TRENTON	4,060	164	0 2	23	1,770	13,56	2,966,584			1,676	6
5				1	4N-14W	, SECTION	s 5, 8,	9, 15, 16, 21, 22	, 27, 1	8, 34	HEATH	I TWP.,	3N-14W,	SECTIONS	3, 4, 9, 10				
)	OVERISEL	REFER TO TABLE	4 DEVE	LOPED GAS STORAGE	RESER	VOIRS		1								·/ ····			
1	OVERISEL, SEC. 11	TRAVERSE	1940	ALLEGAN	1,55	3 4 L		TRAVERSE	1,578	1	ABANDO	NED 194	+ 10		6,370			63	7
)				OVERISEL TWP.,	4N-14W	, SECTION	11							·····	1				1
	OXBOW	TRAVERSE	1958	MASON	1,65	1			2,35	4	0 0	2	40	1,41	90,210			2,25	5]
)				RIVERTON TWP.,		1	1	DUNDEE	1,89	3	0 0	3	400	1	1	1		SHUT-	IN
X)	PARADISE	TRAVERSE	1965	GRAND TRAVERSE	1,88 25N-10						<u> </u>	>		1	1	1		1 : 90 /0	1
2 2	PARIS	MICHIGAN STRAY	1951	1	1,21		1	REED CITY	3,54	2	0 0	0 1	560		1		375,56	DOMEST	IC US
Ì		TRAVERSE	1949		2,89	1				22	0 0	11	440	8,83	5 1,276,481			2,90	1
8		DUNDEE	1949)	3,40	4 5 L			T	2	ABANDO	VED 195	9 20				268,66	7	
)				GREEN TWP., 16N			16, 21,	22, 27, 28											
	PARTELLO			LOPED GAS STORAGE	T			1	-	11				T			1		4
	PAW PAW	TRAVERSE	1963	VAN BUREN	1,09				2,91	8	ABANDO	NED 197	3 160	I	20,209	1		12	<u> </u>
) 1	DAM DAM DEC DE	TRAVERSE	1964	PAW PAW TWP., 3	S-14W,		1		1,03		ABANDO	NED 197	2 10		o c	1	1	T	
	PAW PAW, SEC. 33	INATERSE	1,304	PAW PAW TWP., 3			1		1.,05	1.1				1	I	<u>.</u>		_L	_
	PEACOCK	TRAVERSE	1966	1	2,29			REED CITY	3,04	27	0	0 16	1,060	85,61	7 1,028,241			97	0 2,
1		REED CITY	1966		3,00	1	-			1	ABANDO	NED 197	4 40		0 4,442			10	8
		· · · · · · · · · · · · · · · · · · ·		PEACOCK TWP., 1	9N-13W	, SECTION	s 7, 8,	9, 16, 17, 18						-				1	
1	PECKS LAKE	DUNDEE	196	7 OSCEOLA	3,86	6 2 L		REED CITY	3,85	4 1	ABANDO	NED 196	9 40		2,885]	7	2
		1 241 184 184 610		EVART TWP., 17N	-8w, s	· · · ·	1	·					1.	r				1	
)	PENNFIELD 21-15-7W	SALINA-NIAGAR/ REEF	AN 1975	1	2,74			NIAGARAN	2,85	1	1	0 1	80	9,43	6 9,436	·		11	8]
				PENNFIELD TWP.,	1S~7W	, SECTION	21									тт		1 10	
		SALINA-NIAGARA	AN	1	-	6 70 0		NIACADAN	2 00	1 , 1	0	0 0	160	1 47 08	3 77 017	1		48	
	PENNFIELD 29-15-7W	SALINA-NIAGARI REEF	AN 197	3 CALHOUN	2,67			NIAGARAN	3,00	1 2	0	0 2	160	47,98	3 77,017	<u></u>		48	<u>"</u> [
			197:	3 CALHOUN PENNFIELD TWP.,	2,67	, SECTION	IS 28, 2	9	3,00	<u>, </u>	'	0 2		······				27	

- FUUL GLASS	SIFICATION	2	TIVE OIL FIELD OF FOR ANNOUED DIE FIELD OR			Ш.	CTIVE GAS FIELD OR POO WARDONEL GAS FIELD OR				,			LD OR POOL ENSATE FIELD	GR POOL	~	STORAGE RESER		F5:0
	PRODUCING	YEAR	COUNTY	1	PAY ZON		DEEPEST FORMATIO	T)F WEL				TION-BBLS.	<u> </u>			TD:
FIELD NAME	FORMATION OR POOL	OF DISC	TOWNSHIP	DEPTH IN FEET	THICKNESS AND LITHOLOGY	01L GRAVITY	POOL TESTED	FEET	h		BAND. A IN A		DRILLED ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	RECOVERY PER ACRE DRILLED (BBLS.)	BARI BRI PER
PENTWATER	TRAVERSE	1948	OCEANA-MASON	1,585	8 L	40,4	PRAIRIE DU CHIE	N 5,383	143	0	4	49	1,400	12,749	CUMULATIN		ION COMBINE	C WITH D	UNDE
	DUNDEE	1948		2,088	10 D	43.1							2,000	7,48;	6,710,971		1,010,713	1,974	
	A-2 CARBONATE	1973		3,470	40 L				2	6	0	2				SHUT			
				1711 0	CTIONS I									RAVERSE, 9	DUNDEE AND	0 14 DUNDEE	AND TRAVE	RSE	
	····			-17%, 58 N-17%, 5	ECTIONS 2	31 SUMP	7, 8 PENTWATER GIT TWP., 17N-18W,	SECTIO	6N-18	5W, SE 5, <u>35</u> ,	26 36	s 1,	2, 12						
PENTWATER LAKE	TRAVERSE	1969	OCEANA	1,612	ΣL		NIAGARAN	4,078	3	0	0	3	120	5,053	91,593			763	
P/ TCDC	SALINA-NIAGARAN	Here	1	1 1	V, SECTIO			1	1. 1									,	
PETERS	REEF	1955	L	2,386			CLINTON	2,542	1	0	3	65	1,780	127,198	5,068,384	685,952	17,564,986	2,847	
PETERS, EAST	SALINA-NIAGARAN	1961		2,590	17 D	41.6	± 16, 22, 23, 26, CLINTON	T	· · · · ·									·	
	REEF	1.501	1					2,777	L	0	0	8	360	PRODUCTIO	N COMBINED	WITH PETER	5		
PINCONNING	TRAVERSE	1958	T	1		+, 25 L	HINA TWP., 4N-16E,	T	<u> </u>										
	DUNDEE	1944	DAT	2,151	1 L	24.0	DETROIT RIVER	3,790		1	ONED		10		N COMBINED	WITH PINCO	INNING DUND	r 1	
	CONDEL	1.944		2,898	7 0	1	25 26 504550 74		12	0	0	2	100	3,565	878,664			7,988	
PINE	TRAVERSE	1938		2,836	1 L	45.0	35, 36 FRASER TWF	1										·····	
		1.770	PINE TWP., 11N-8	- I		45.0	DUNDEE	3,308	2	ABAND	ONED	1963	20	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	105,506			5,275	
PINE RIVER	TRAVERSE	1956		2,890	5 1	Τ	DUNDEE	3,285	1	ARAND	ONED	1058	10		760		1		
	DUNDEE	1942		3,280	2 L			1,200	-+		ONED 1		90					76	
			PINE RIVER TWP.	1		JN 31 S	EVILLE TWP., 12N-4	W, SEC							13,285		L	148	
PINE. SECS. 9 & 1	7 MICHIGAN STRAY	1951	MONTCALM	1,251	1 S		DUNDEE	3,469	2	0	0	2	80		1		37,272	SHUT DO	WN
			PINE TWP., 11N-8	₩, SECT	10NS 9,	17					1	- <u> </u>			l		51,212	51101 00	27513
PIONEER	TRAVERSE	1931	ł	3,025	5 L		DUNDEE	3,583	1	0	0	1	40			SHUT	- I N		
			PIONEER TWP., 24	N-7W, S	ECTION 2	4		1			L.	ŀ	1					L	
PIPESTONE	TRAVERSE	1962	BERRIEN	822	2 L.	22.4	NIAGARAN	1,353	2	ABAND	ONED 1	966	20		85			4	
			PIPESTONE TWP.,	5S-17W,	SECTION	24							- I						
POLKTON	TRAVERSE	1942	οτταψά	1,878	2 L	37.8	DUNDEE	2,351	13	0	0	3	170	2,184	73,525			433	
		,	POLKTON TWP., 8M	-14₩, S	ECTIONS	8, 9, 1	0, 11, 14, 15, 16												
PORTER	DUNDEE	1933	MIDLAND	3,415	12 L	40.6	BLACK RIVER	9,519	529	0	0 1	29	6,690	97,181	49,644,721		4,992,995	7,421	4,
									THE	129 W8	LLS I	NCLUE	E 125	DUNDEE, 1	FRAVERSE, A	ND 3 DUNDEE	E AND TRAVE	RSE	
		1	GREENDALE TWP., 13N	-1W, SE 14N-2W	SECTIONS 7	, 8, 9, <u>5 34, 3</u>	10, 14 THROUGH 23 5	, 26, 2	27, 2	8 JA9	SPER T	₩P.,	13N-2W	, SECTIONS	1, 2, 3, 1	1, 12			
PORT HURON	DUNDEE	1886	ST. CLAIR	575	20 L		CAMBRIAN	4,948	21	ABAND	ONED 1	921 E	ST.15		NO RECORD				
PORT HURON			FT. GRATIOT TWP.	T T		ON 32						<u> </u>							_
31-7N-17E	NIAGARAN	1975		3,242	55 D		NIAGARAN	3,297	1	1	0	1	40			1,623	1,623		
PORT HURON	NIAGARAN REEF	1071	PORT HURON TWP.,	1 1		N 31		1					· · · · ·		r				
33-7N-17E	NTAGARAN REEF	1971		3,160	10 D		NIAGARAN	3,185	1	0	0	1	160			2,820	9,792		
PROSPER	MICHIGAN STRAY	1948	PORT HURON TWP., MISSAUKEE	1.269	6 S	N 33	D LOUG LG LG												
	1 montoan struat	1,540					RICHFIELD	5,254			0	2	480]			152,882	LEASE F	UEL
PROSPER					TIONS 25		AM LINE ON THE ST		COTI										
· · · · · · · · · · · · · · · · · · ·	DUNDEF	1942				1 7	AM UNION TWP., 21		<u> </u>				600	0.114					
		1942	MISSAUKEE	3,837	4 L	43.2		N-6W, S 5,254	13	0	0	6	520	8,449	1,788,076			3,439	2,:
	DUNDEE RICHFIELD	1942 1954	MISSAUKEE	3,837 5,128	4 L 21 D	43.2			13	0	O NED 1		520 40	8,449	1,788,076 7,088			3,439	2,
PROSPER		1954	MISSAUKEE AETNA TWP., 22N-1	3,837 5,128 5W, SEC1	4 L 21 D 10NS 26,	43.2	RICHFIELD	5,254	13 1 A	C BANDO	NED 1	957	40		7,088			177	
	RICHFIELD	1954	MISSAUKEE AETNA TWP., 22N-I MISSAUKEE	3,837 5,128 5W, SECT 3,798	4 L 21 D TIONS 26, 8 D	43.2	RICHFIELD	5,254 3,808	13 1 A 7		NED 1			8,449 70,388					
	RICHFIELD	1954	MISSAUKEE AETNA TWP., 22N-I MISSAUKEE	3,837 5,128 5W, SECT 3,798	4 L 21 D TIONS 26, 8 D	43.2	RICHFIELD DUNDEE HION TWP., 21N-6W,	5,254 3,808 SECTIO	13 1 A 7 NS 1,	0 BANDO 0 2	1	6	40		7,088			177	
PROSPER, SOUTH	RICHFIELD	1954 1967	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N-	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185	4 L 21 D TIONS 26, 8 D TION 36 1 L	43.2 35 CLAM UN	RICHFIELD DUNDEE HION TWP., 21N-6W,	5,254 3,808 SECTIO	13 1 A 7 NS 1,	0 BANDO 0 2	NED 1	6	40		7,088			177	
PROSPER, SOUTH	RICHFIELD	1954 1967	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N-0 ALLEGAN	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185	4 L 21 D TIONS 26, 8 D TION 36 1 L	43.2 35 CLAM UN	RICHFIELD DUNDEE HION TWP., 21N-6W,	5,254 3,808 SECTIO	13 1 / / 7 NS 1, 9 / A	0 2 BANDO 2	NED 19	6	40		7,088 821,759 26,840			177 2,935 298	1,2
PROSPER, SOUTH PULLMAN	RICHFIELD DUNDEE TRAVERSE	1954 1967 1949	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-14	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185 5W, SECT	4 L 21 D TIONS 26, 8 D TION 36 1 L TIONS 11,	43.2 35 CLAM UN	RICHFIELD DUNDEE HION TWP., 21N-6W, BASS ISLANDS	5,254 3,808 SECTIO 1,942	13 1 A 7 NS 1, 9 A 25	0 0 2 0 0 0 0	NED 19	6 957	40 280 90	70,388	7,088		27.225	177	1.2
PROSPER, SOUTH PULLMAN	RICHFIELD DUNDEE TRAVERSE TRAVERSE	1954 1967 1949	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185 5W, SECT 1,131 1,645	4 L 21 D 110NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D	43.2 , 35 , 12 , 39.0	RICHFIELD DUNDEE HION TWP., 21N-6W, BASS ISLANDS	5,254 3,808 SECTIO 1,942 3,020	13 1 A 7 NS 1, 9 A 25 3 A	0 2 BANDO 2 BANDO BANDO	NED 19	6 951 11 968	40 280 90 250 480	70,388	7,088 821,759 26,840		27,225	177 2,935 298	1.2
PROSPER, SOUTH PULLMAN	RICHFIELD DUNDEE TRAVERSE TRAVERSE	1954 1967 1949	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185 5W, SECT 1,131 1,645	4 L 21 D 110NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D	43.2 , 35 , 12 , 39.0	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON	5,254 3,808 SECTIO 1,942 3,020	13 1 A 7 NS 1, 9 A 25 3 A	0 2 BANDO 2 BANDO BANDO	NED 19	6 951 11 968	40 280 90 250 480	70,388	7,088 821,759 26,840		27,225	177 2,935 298	1.2
PROSPER, SOUTH PULLMAN PULLMAN, EAST PUTTYGUT	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB.	1954 1967 1949 1949 1961	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185 5W, SECT 1,131 1,645 5ECT FC	4 L 21 D 10NS 26, 8 D 10N 36 1 L 1GNS 11, 2 L 7 D NNS 5, 6,	43.2 , 35 , 12 , 39.0	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON	5,254 3,808 SECTIO 1,942 3,020	13 1 A 7 NS 1, 9 A 25 3 A	0 2 BANDO 2 BANDO ALINA	NED 19	6 951 11 968 CARB.	40 280 90 250 480	70,388	7,088 821,759 26,840 391,199		27,225	177 2,935 298	1.2
PROSPER, SOUTH PULLMAN PULLMAN, EAST	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB.	1954 1967 1949 1949 1961	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-11 ALLEGAN LEE TWP., 1N-15W	3,837 5,128 5W, SECT 3,798 5W, SECT 1,185 5W, SECT 1,131 1,645 5ECT FC	4 L 21 D 10NS 26, 8 D 10N 36 1 L 1GNS 11, 2 L 7 D NNS 5, 6,	43.2 , 35 , 12 , 39.0	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON	5,254 3,808 SECTIO 1,942 3,020 5, 6,	13 1 A 7 NS 1, 9 A 25 3 A 8 (S	C NBANDO 2 NBANDO 0 NBANDO AL I NA	NED 19	957 6 951 11 968 CARB.	40 280 90 250 480	70, 388 2, 795	7,088 821,759 26,840 391,199		27,225	177 2,935 298	1.2
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE	1954 1967 1949 1949 1961 DEVEL 1950	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-12	3,837 5,128 5,128 5,799 5,799	4 L 21 D 10NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D NNS 5, 6, RS 3 L	43.2 35 CLAM UN 12 39.0	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE	5,254 3,808 SECTIO 1,942 3,020 5, 6,	13 1 A 7 NS 1, 9 A 25 3 A 8 (S	C NBANDO 2 NBANDO 0 NBANDO AL I NA	NED 19 NED 19 NED 19 A-2 (957 6 951 11 968 CARB.	40 280 90 250 480)	70, 388 2, 795	7,088 821,759 26,840 391,199 ADATR		27,225	177 2,935 298 1,565	1.1
PROSPER, SOUTH PULLMAN PULLMAN, EAST PUTTYGUT	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4	1954 1967 1949 1949 1961 DEVEL 1950	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-11 ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-12 KALKASKA	3,837 5,128,	4 L 21 D (10NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D NNS 5, 6, RS 3 L 10NS 28, 10 L	43.2 35 CLAM UN 12 39.0 7,8 (29,32	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE , 33	5,254 3,808 SECTIO 1,942 3,020 5, 6, 1,678	13 1 A 7 NS 1, 9 A 25 3 A 8 (S 8 A	0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 19 NED 19 NED 19 A-2 (6 951 11 968 CARB.	40 280 90 250 480)	70, 388 2, 795	7,088 821,759 26,840 391,199 ADATR		27,225	177 2,935 298 1,565	1.1
PROSPER, SOUTH PULLMAN PULLMAN, EAST PUTTYGUT RABBIT RIVER RABBIT RIVER 17-28N-7W	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE TRAVERSE	1954 1967 1949 1949 1961 DEVEL 1950 1972	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-11 ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-12 KALKASKA RAPID RIVER TWP.,	3,837 5,128 5,128 5W, SECT 3,798 5W, SECT 1,185 5W, SECT 1,131 1,645 SECTTIC ESERVOI 1,655 W, SECT 1,521 28N-7W	4 L 21 D 10NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D NNS 5, 6, RS 3 L 10NS 28, 10 L , SECTIO	43.2 35 CLAM UN 12 39.0 7,8 (29,32	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE , 33	5,254 3,808 SECTIO 1,942 3,020 5, 6, 1,678	13 1 A 7 NS 1, 9 A 25 3 A 8 (S 8 A	0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11	6 951 11 968 CARB.	40 280 90 250 480 00 COM 80	70, 388 2, 795	7,088 821,759 26,840 391,199 ADATR 12,745		27,225	177 2,935 298 1,565 159	1.1
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE	1954 1967 1949 1949 1961 DEVEL 1950 1972	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-15 KALKASKA RAPID RIVER TWP., MUSKEGON	3,837 5,128 5%, SEC1 3,798 5%, SEC1 1,185 5%, SEC1 1,131 1,645 SECT1C 1,655 1,551 28N-7W 1,205	4 L 21 D 10NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D NNS 5, 6, RS 3 L 10NS 28, 10 L , SECTIO 10 D	43.2 35 CLAM UN 12 39.0 7,8 (29,32 N 17	RICHFIELD DUNDEE TION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE . 33 NIAGARAN DUNDEE	5,254 3,808 SECTIO 1,942 3,020 5,5,6, 1,678 6,351 2,306	13 1 7 NS 9 A 25 3 A 8 1 A 31	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 NED 15 A-2 (NED 15 A-2 (NED 15 NED	6 351 11 368 368 368 368 368 368 368 369 373 373 5 4	40 280 90 250 480 90 100 com 80 40	70, 388	7,088 821,759 26,840 391,199 ADA1R 12,745 429		1,432,593	177 2,935 298 1,565 159 11	1,:
PROSPER, SOUTH PULLMAN PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER 17-28N-7W RAVENNA	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE TRAVERSE "BEREA"	1954 1967 1949 1949 1949 1949 1949 1950 1950 1972 1936	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-11 ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-12 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N-	3,837 5,1285,128 5,128,	4 L 21 D 110NS 26, 8 D 10N 36 1 L 10NS 5, 6, RS 3 L 10NS 28, 10 L . SECTIO 10 D CTIONS 4	43.2 35 CLAM UN 12 39.0 7,8 (29,32 N 17	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE . 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL	5,254 3,808 SECTIO 1,942 3,020 5,5,6, 1,678 6,351 2,306	13 1 7 NS 9 A 25 3 A 8 1 A 31	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 NED 15 A-2 (NED 15 A-2 (NED 15 NED	6 351 11 368 368 368 368 368 368 368 369 373 373 5 4	40 280 90 250 480 90 100 com 80 40	70, 388	7,088 821,759 26,840 391,199 ADA1R 12,745 429		1,432,593	177 2,935 298 1,565 159 11	
PROSPER, SOUTH PULLMAN PULLMAN, EAST PUTTYGUT RABBIT RIVER RABBIT RIVER 17-28N-7W	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE TRAVERSE	1954 1967 1949 1949 1949 1949 1949 1950 1950 1972 1936	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-15 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N-	3,837 5,128 w, sec1 3,798 w, sec1 1,185 w, sec1 1,131 1,645 sec110 sec110 1,655 w, sec1 1,521 2,80-7w 1,205 1,404 1,842	4 L 21 D 110NS 26, 8 D 10N 36 1 L 10NS 5, 6, NS 5, 6, RS 3 L 10NS 28, 10 L . SECTIO 10 D CTIONS 4 15 L	43.2 , 35 CLAM UN 12 39.0 7, 8 (29, 32 29, 32 29, 32	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE . 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER	5,254 3,808 SECTIO 1,942 3,020 3,020 1,942 3,020 1,942 4,020 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000	13 1 A 7 NS 1, 9 A 8 (S 8 A 1 A 31 WP., 37	0 0 0 2 EANDO 0 2 EANDO 0 AL INA 0 EANDO 0 0 EANDO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 0 11 G 11 NED 15	6 351 11 368 CARB. 59 55 4 55 4 TTION 1	40 280 90 250 480 30 60 60 60 60 60 730	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADA1R 12,745 429		1,432,593	177 2,935 298 1,565 159 11	1,:
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER 17-28N-7W RAVENNA	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE "BEREA" TRAVERSE	1954 1967 1949 1949 1950 1950 1972 1936	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-15 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N-	3,837 5,1285,128 5,1285,128 5,128 5,128 5,1285,128 5,128 5,128 5,128 5,128	4 L 21 D 110NS 26, 8 D 10N 36 1 L 10NS 5, 6, RS 3 L 10NS 28, 10 L . SECTIO 10 D CTIONS 4 15 L CTIONS 2	43.2 , 35 CLAM UN 12 39.0 7, 8 (29, 32 29, 32 29, 32	RICHFIELD DUNDEE IION TWP., 21N-6M, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE) SECTIONS TRAVERSE , 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER 28, 29, 30, 31 SU	5,254 3,808 SECTIO 1,942 3,020 5,6, 1,678 6,351 2,306 2,306 2,306 2,306 2,107 2,001 2,001	13 1 A 7 NS 1, 9 A 25 3 A 8 (S 8 A 1 A 31 NP., 37 TWP.	0 0 2 BANDO 0 2 BANDO 0 BANDO 0 BANDO 0 0 0 BANDO 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 15W, S	6 351 11 368 CARB. 359 373 5 4 TION 1 ECTIO	40 280 90 250 480 10N COM 80 40 12 MO 730 NS 25,	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADAIR 12,745 429 ., 10N-14W,		1,432,593	177 2,935 298 1,565 159 11 DOMESTIC	
PROSPER, SOUTH PULLMAN PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER 17-28N-7W RAVENNA	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE TRAVERSE "BEREA"	1954 1967 1949 1949 1950 1950 1972 1936	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-15 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N- MUSKEGON	3,837 5,128 5,128 5,128 5,128 5,527 5,527 1,118 5,557 5,557 1,557 1,557 1,557 1,557 1,557 1,557 1,557 1,557 1,557 1,557 1,557 1,842 1,842 1,842 1,182	4 L 21 D 110NS 26, 8 D 10N 36 1 L 10NS 11, 2 L 7 D NNS 5, 6, RS 3 L 10NS 28, 10 L . SECTIO 10 D CTIONS 4 15 L CTIONS 2 6 D	43.2 , 35 , 35 , 12 , 39,0 , 12 , 39,0 , 7, 8 (, 29, 32 , 39,0 , 7, 8 (, 12 , 5, 6, , 12 , 12 , 12 , 12 , 12 , 12 , 12 , 1	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE , 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER 28, 29, 30, 31 SU DUNDEE	5,254 3,808 SECTIO 1,942 3,020 5,6, 1,678 6,351 2,306 2,306 2,306 2,306 2,107 2,001 2,001	13 1 A 7 NS 1, 9 A 25 3 A 8 (S 8 A 1 A 31 NP., 37 TWP.	0 0 0 2 EANDO 0 2 EANDO 0 AL INA 0 EANDO 0 0 EANDO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 15W, S	6 351 11 368 CARB. 59 55 4 55 4 TTION 1	40 280 90 250 480 30 60 60 60 60 60 730	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADAIR 12,745 429 ., 10N-14W,		1,432,593	177 2,935 298 1,565 159 11 DOMESTIC	
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER RAPENNA RAVENNA RAVENNA, SEC. 27	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE TRAVERSE "BEREA" "BEREA"	1954 1967 1949 1949 1949 1949 1949 1949 1950 1972 1936 1952 1953	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AEINA TWP., 22N- ALLEGAN CASCO TWP., 1N-11 ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-13 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N-	3,837 5,128 5,128 5,798 5,798 5,500	4 L 21 D 110N5 26, 8 D 10N 36 1 L 10N5 21, 2 L 7 D NNS 5, 6, RS 3 L 10NS 28, 10 L . SECTIO 10 D CTIONS 4 15 L CTIONS 2 6 O CTIONS 2	43.2 , 35 , 35 , 12 , 39,0 , 12 , 39,0 , 7, 8 (, 29, 32 , 39,0 , 7, 8 (, 12 , 5, 6, , 12 , 12 , 12 , 12 , 12 , 12 , 12 , 1	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE , 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER 28, 29, 30, 31 SU DUNDEE	5,254 3,808 SECTIO 1,942 3,020 5,6, 1,678 6,351 2,306 2,306 2,306 2,306 2,107 2,001 2,001	13 1 A 7 NS 1, 9 A 25 3 A 8 (S 8 A 1 A 31 NP., 37 TWP.	0 0 2 BANDO 0 2 BANDO 0 BANDO 0 BANDO 0 0 0 BANDO 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 15W, S	6 351 11 368 CARB. 359 373 5 4 TION 1 ECTIO	40 280 90 250 480 10N COM 80 40 12 MO 730 NS 25,	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADAIR 12,745 429 ., 10N-14W,		1,432,593	177 2,935 298 1,565 159 11 DOMESTIC 629	1.: 2
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER RAVENNA RAVENNA RAVENNA RAVENNA, SEC. 27 RAY	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE "BEREA" "BEREA" REFER TO TABLE 4	1954 1967 1949 1949 1949 1949 1949 1950 1950 1952 1953 0EVEL	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-15 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON	3,837 5,1285,128 5,1285,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,128 5,1285,128 5,128 5,128 5,128 5,128 5,128 5,1285,128 5,128 5,128 5,128 5,128 5,1285,128 5,128 5,128 5,1285,128 5,128 5,1285,128 5,128 5,128	4 L 21 D 110NS 26, 8 D 110N 36 1 L 10NS 5, 6, NS 5, 6, RS 3 L 10NS 28, 10 L . SECTIO 10 D CTIONS 2 6 D CTIONS 2 RS	43.2 , 35 , 35 , 12 , 39,0 , 12 , 39,0 , 7, 8 (, 7, 8 ()	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE) SECTIONS TRAVERSE . 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER 28, 29, 30, 31 SU DUNDEE 28	5,254 3,808 SECTIO 1,942 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 5,5,6, 1,678 4,6351 2,306 5,554 4,942 3,020 5,554 4,942 3,020 5,554 4,942 3,020 5,554 4,942 3,020 5,554 4,942 5,554 4,942 5,554 4,942 5,554 5,565 5,5	13 1 A 7 NS 1, 9 A 9 A B (S) 3 A B (S) 8 A A B 1 A B (S) 3 T T T 3 T T T	0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 NED 11 NED 15 A-2 (A-2 (NED 15 NED 15 NED 15 Solution (NED 15 NED 15 Solution (NED	957 6 951 951 951 959 973 5 4 773 1 1 2	40 280 90 250 480 30 40 12 M0 730 NS 25, 480	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADA1R 12,745 429 .,10N-14W, 459,456		1,432,593	177 2,935 298 1,565 159 11 DOMESTIC 629 DOMESTIC	1.: 2
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER RAPENNA RAVENNA RAVENNA, SEC. 27	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE TRAVERSE "BEREA" "BEREA"	1954 1967 1949 1949 1949 1949 1949 1950 1950 1952 1953 0EVEL	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15M, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-15 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 9N- MUSKEGON	3,837 5,128 5,128 5,128 5,128 5,527 5,527 1,118 5,557 5,557 1,557	4 L 21 D 110N5 26, 8 D 110N 36 1 L 10N5 11, 2 L 7 D NNS 5, 6, RS 3 L 10N5 28, 10 L . SECTIO 10 D CTIONS 2 6 D CTIONS 2 RS 10 L . SECTIO 10 D CTIONS 2 RS 10 D	43.2 , 35 , 35 , 12 , 39,0 , 12 , 39,0 , 7, 8 (, 29, 32 , 39,0 , 7, 8 (, 12 , 5, 6, , 12 , 12 , 12 , 12 , 12 , 12 , 12 , 1	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRAVERSE) SECTIONS TRAVERSE) SECTIONS TRAVERSE . 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER 28, 29, 30, 31 SU DUNDEE 28	5,254 3,808 SECTIO 1,942 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 3,020 5,5,6, 1,678 4,6351 2,306 5,554 4,942 3,020 5,554 4,942 3,020 5,554 4,942 3,020 5,554 4,942 3,020 5,554 4,942 5,554 4,942 5,554 4,942 5,554 5,565 5,5	13 1 A 7 NS 1, 9 A 9 A B (S) 3 A B (S) 8 A A B 1 A B (S) 3 T T T 3 T T T	0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 15W, S	957 6 951 951 951 959 973 5 4 773 1 1 2	40 280 90 250 480 10N COM 80 40 12 MO 730 NS 25,	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADAIR 12,745 429 ., 10N-14W,		1,432,593	177 2,935 298 1,565 159 11 DOMESTIC 629	1,2 2
PROSPER, SOUTH PULLMAN PULLMAN, EAST PULLMAN, EAST PUTTYGUT RABBIT RIVER RAPID RIVER RAVENNA RAVENNA RAVENNA RAVENNA, SEC. 27 RAY	RICHFIELD DUNDEE TRAVERSE TRAVERSE SALINA A-2 CARB. REFER TO TABLE 4 TRAVERSE "BEREA" "BEREA" REFER TO TABLE 4	1954 1967 1949 1949 1949 1961 1950 1950 1950 1952 1953 1955 1953 0EVEL 1971	MISSAUKEE AETNA TWP., 22N- MISSAUKEE AETNA TWP., 22N- ALLEGAN CASCO TWP., 1N-1H ALLEGAN LEE TWP., 1N-15W, OPED GAS STORAGE F ALLEGAN SALEM TWP., 4N-13 KALKASKA RAPID RIVER TWP., MUSKEGON RAVENNA TWP., 9N- MUSKEGON RAVENNA TWP., 7S-	3,837 5,128 5,128 5,128 5,128 5,527 5,527 1,118 5,557 5,557 1,557	4 L 21 D 110N5 26, 8 D 110N 36 1 L 10N5 11, 2 L 7 D NNS 5, 6, RS 3 L 10N5 28, 10 L . SECTIO 10 D CTIONS 2 6 D CTIONS 2 RS 10 L . SECTIO 10 D CTIONS 2 RS 10 D	43.2 , 35 , 35 , 12 , 39,0 , 12 , 39,0 , 7, 8 (, 7, 8 ()	RICHFIELD DUNDEE IION TWP., 21N-6W, BASS ISLANDS TRENTON TRENTON TRAVERSE) SECTIONS TRAVERSE) SECTIONS TRAVERSE . 33 NIAGARAN DUNDEE 7, 8, 9, 17 SULL DETROIT RIVER 28 BLACK RIVER	5,254 3,808 SECTIO 1,942 3,020 5,6, 1,678 4,300 2,306 2,306 2,306 2,306 2,306 2,306 2,306 2,306 3,478	13 1 A 7 NS 1, 9 A 25 3 A 8 (S 8 A 1 A 1 A 1 A 1 A 1 A 2 A 1 VP. 3 V 2 A	0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NED 11 NED 11 NED 11 NED 15 A-2 (NED 15 NED 15 NED 15 Solution Statements of the statement of the s	957 6 951 951 951 959 973 5 4 773 1 1 2	40 280 90 250 480 30 40 12 M0 730 NS 25, 480	70, 388 2, 795 81NED WITH 0RLAND TWP 216	7,088 821,759 26,840 391,199 ADA1R 12,745 429 .,10N-14W, 459,456		1,432,593	177 2,935 298 1,565 159 11 DOMESTIC 629 DOMESTIC 68	1.2 2 US

_	POOL CLASSIF		-	IVE DIE FIELD OR POOL NECKED DIE FIELD OR P	OGL	·	Ľ	TIVE GAS FIELD GR POGL NGORED GAS FIFED OR P			ų X			AS-COND	.D OR POOL ENSATE FIELD			ELOPED SAS ST		ERVOI
	FIELD NAME	PRODUCING FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCING SECTIONS	1.8		OIL GRAVITY A.P.L.	DEEPEST FORMATION OR POOL TESTED	DEPTH IN FEET	TO C END	OMP A	IF WEL BAND	D	RILLED ACRES	DIL PRODUC PRODUCED IN 1975	CUMULATIVE THROUGH 1975	GAS PPODUCED PRODUCED IN 1975	CUMULATIVE THROUGE 1975	RECOVERY PER ACRE DRILLES (SBLS.)	TOT. BARR BR1 PER
ł	REED CITY	TRAVERSE	1941	LAKE - OSCEOLA	2,925	5 L	43.7	ST, PLTER SS.	8,917	1-1		Í	4	1,600		3,676,022	.,,,,	388,638	2,298	1
		DUNDEE	1940		3,490	3 L	46.3	<u> </u>					_					16,257,876		
Ļ		REED CITY	1941		3,585	7 0	42.8	(LOREED UNIT-SEE	TABLE	- +-		+		5,320		41,927,228		3,476,188	7,881	-
-		DETROIT RIVER S			4,184	73 DL	48.2		<u>+</u>	45	0 WELL	0		1,800 D WITH	SOUR ZONE	1		5,470,100	1,001	
		RICHFIELD	1954	LINCOLN TWP., 18 PINORA TWP., 18N	4,633 N-10W, -11W.	12 SL SECTIONS SECTIONS 2		y , 19, 20, 29, 30, 36	31, 32									J		1
	REED CITY (STRAY)	REFER TO TABLE	4 DEVE	LOPED GAS STORAGE																
	REED CITY (LOREED)	REFER TO TABLE	4 DEVE	OPED GAS STORAGE	RESERV	DIRS		T=4				T								T
1	REED CITY, EAST	TRAVERSE	1947		3,106	1 L	41.2	DETROIT RIVER	3,840	8	0	0	3	80		393,304		18,569	4,916	<u>'</u>
1	REEDER	MICHIGAN STRAY	1964	LINCOLN TWP., 18 MISSAUKEE	1,385	4 S		DUNDEE	4,002	2 2	ABAND	DONED	1966	320				0		Γ
-	REEDEN		11,01	REEDER TWP., 22N	I			L	<u> </u>	1						L	L			L
t	REEMAN	TRAVERSE	1958	NEWAYGO	2,099	1 L		TRAVERSE	2,100	3	ABAND	DONED	1967	30		44,886			1,500	
				SHERIDAN TWP., 1	2N-14W	, SECTION	8											0100001050		.
	REYNOLDS	TRAVERSE	1955	MONTCALM-MECOSTA	2,787	4 D	39.8	BASS ISLANDS	4,300	+ 1	0	0	5	110		WITH REED		DN COMBINED		-
		REED CITY	1954		3,343	2 D	44.3		THD	53	0	0		2,100		4,619,627	3N_10W SE	408,555	2,200	1
	PICH	BEREA	1970		1,380		s 1, 2,	12, 13 WINFIELD SYLVANIA	3,26		1	0	3	480		1	- TON, 32	8		1
╞	RICH	DETROIT RIVER S		LAICEN	3,028		33.9			23	2	0	22	920	77,85	710,073	33,63	f 7) 339,478	772	2
t				RICH TWP., 10N-1	OE, SE	CTIONS 21	, 22,	27 (BEREA) SECTION	s 21, :	26, 27	, 28,	, 34,	35 (DI	TROIT	RIVER SZ)					
1	RICHLAND	TRAVERSE	1936	SAGINAW	2,739	10 L	46.0	DUNDEE	3,26	4 1	ABANC	DONED	1936	10		1,871			187	/
				RICHLAND TWP., 1	1	1	31	r	1	TT					r		F	0	r	T
	RICHLAND, SEC. 27	MICHIGAN STRAY	1963		1,247	1 5		DUNDEE	3,53	0 1	ABANL	DONED	1964	160			l	1 0	L	1
	RICHMOND	NIAGARAN REEF	1968	RICHLAND TWP., 1 MACOMB	3,195	T	27	NIAGARAN	3,25	4 1	0	0	1	40			1,96	2 179,249		Γ
$\left \right $		NTADANAN RECI	1,900	RICHMOND TWP., 5			26	1	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>	I.	I	l			I		-1	I	-l
ł	RIDGEWAY, SEC. 1	TRENTON	1954	LENAWEE	2,415	4 D		TRENTON	2,49	1 1	ABAN	DONED	1962	10		47			9	5
l				RIDGEWAY TWP., 6	55-5E,	SECTION 1	+									1			r	
Į.	RIVERSIDE	TRAVERSE	1961	MISSAUKEE	3,220		42.6	DUNDEE	3,95	+-+	0	0	1	10	1,19	+			2,075	+
-		DUNDEE	1942	· · · · · · · · · · · · · · · · ·	3,944	3 L	44.5			3	0	0	3	100	2,354	135,523			1,355	·
+	RIVERSIDE	DEFED TO TABLE	4 DEVE	RIVERSIDE TWP.,			5 14, .	23, 24												
	RIVERTON	TRAVERSE	1957	1	1,650	6 L	38.5	DUNDEE	2,31	7 19	ABANI	DONED	1971	190		242,206		T	1,275	5
1		L		RIVERTON TWP.,	17N-17h	, SECTION	s 10,	11, 15											······	
-	RIVERTON, SEC. 21	TRAVERSE	1964	MASON	1,68	4 L	38.2	DUNDEE	2,29	0 3	0	0	2	30	81	7 16,579	·		55	3
				RIVERTON TWP., 1	1	1	21	DUNDEE	2,21	0 2	ADAN	DONED	1972	20	1	10,630		1	532	2
1	ROBINSON, SEC. 3	DUNDEE	1956	ROBINSON TWP., 1	2,107	1	3	DONDEL	2,21	<u> </u>	- DAIR				<u>l. </u>	,		1		1.
	ROCKFORD	TRAVERSE	1945	1	2,204		44.0	DETROIT RIVER	2,85	0 23	0	0	3	210	4,24	558,367		1	2,659)
		1		ALGOMA TWP., 9N	-11W, S	ECTIONS 2	5, 35,	36 COURTLAND TWP	., 9N-	iow, s	ECTIO	ON 19								
1	ROMED	NIAGARAN REEF	1965	МАСОМВ	3,290	? D		CLINTON	3,68	6 1	0	0	1	40			322,34	5 5,077,434		
		SALINA-NIAGARA	NI	WASHINGTON TWP.	1	1	N 11	1	1			0		80			r			
8	ROMEO, SEC. 10	REEF	1974		3,304			NIAGARAN	3,63	5 2	0	0	2		<u> </u>		L		I	1
1	ROMULUS	SALINA A-1 CAR	8. 1955	WASHINGTON TWP.	1,980	1	1	NIAGARAN	2,25	9 2	ABAN	DONED	1972	320		1	[45,045	1	Т
			1.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ROMULUS TWP., 3	I	\$	5, 16			1l.			I		1		·		•	
	ROSEBUSH	DUNDEE	193	SABELLA	3,690) 6 L	42.0	RICHFIELD	4,83	8 46	0	0	37	1,020	l					
		RICHFIELD	196		4,790			(TWO WELLS COMM						80	1	2,278,791	5 CT 10N 26]	2,072	2
				1	1	1	1	31, 12, 13 DENVE	T						1	T		cl 0 (01 50)		7
	ROSE CITY	RICHFIELD	194	COCTED THE 24	4,125 N-1E, 3	FOTIONS 1	41.2	21, 23, 24, 25 F 5 KLACKING TWP.,	OSTER	6 132	1 24N-	0 2E, S	FCTION	5,160 5 19,		2 6,586,597 , 28, 29, 3		33, 34, 35		이
1	ROSE LAKE	TRAVERSE	194	1	2E, SEG 3,140		T		1	, SEC	0	0	6	720	15,74	5 1,863,823	1		2,58	9
		L					. L.	ERCY TWP., 19N-10W			6 CE	DAR T	wP., 1		1		J	OW, SECTION	1	
ſ	SAGE	DUNDEE	197	1	3,86	1		DETROIT RIVER	4,23		0	0	2	120	1	1			54	2
I				SAGE TWP., 19N-	T	7									<u> </u>	1	<u> </u>		1	1
1	SAGINAW	BEREA	192		1,82		46.1		3,92	0 ?	0	3	7	1,500	4,37	1 1,690,625	1		1,12	7
	CALEN	TRAVERSE	1.00	1	1	1	T	, 12, 13, 14, 15, TRENTON	1	7337	0	1	90	3,390	32.02	4 9,212,186	,		2,71	7
1	SALEM	DETROIT RIVER	193		1,58	1	38.3	TRENTON	4,54	1001			90 1966	3,390	+	2,212,100		49,582	1	+
		SALINA	195	7	2,72	5 2 0	1	REFER TO GAS ST MISCELLANEOUS P	RODUCI	LON H	VOIRS N ABA	- PR DD	UCES S	MALL A	MOUNT OF O					T
				I SALEM TWP., 4N- JAMESTOWN TWP.,	13W, SI 5N-131	CTIONS 16	, 21 (IS 35,	DETROIT RIVER) SA	LEM TH	iP., 4	N-13W	, SEC	TIONS	1, 2,	3, 10 THRO	UGH 17, 20,	21, 22, 1	3, 24, 34		
	SALEM	REFER TO TABLE	E 4 DEV	ELOPED GAS STORAGE	RESER	VOIRS		.,							1				1	<u> </u>
ſ	SANFORD	TRAVERSE	195	9 MIDLAND	3,12	5 2 L	-	DETROIT RIVER	4,81	1513	0	0	11	260				1	77	8
4					3,75	5 3 L	42.6					1.00		0.0	UNDEE, 1 T					

.

	POOL CLASSIF	ICATION	-	TIVE ONL FIELD OR POOL			<u>.</u>	TIVE GAS FIELD OR POO ANDONED GAS FIELD OR I			T.			ELD OR POOL DENSATE FIELD	GR POOL	-	STORAGE RESER		E RVO I P
Γ		PRODUCING	YEAR	COUNTY	T	PAY ZON		DEEPEST FORMATION	DEPTH	NIMBI	ER OF W		T		TION-BBLS	GAS PRODUC		RECOVERY	TOTA
	FIELD NAME	FORMATION OR POOL	OF DISC	TOWNSHIP	DÉPTH IN FEET	THICKNESS AND LITHOLOGY	GRAVITY	OR POOL TESTED	IN	76 CCN END 10	P. ABAND		DRILLED	PRODUCED IN 1975	CUMULATIVE Through 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PER ACRE DRILLED (BBLS.)	BARRE BRIN PER D
)	SAUBLE	TRAVERSE	1942	LAKE	2,111	2 L	35.6	TRAVERSE	2,156	5 0	0	1	200		144,763			724	
1		·		SAUBLE TWP., 19N		<u> </u>	6	·····				·							
+	SCOTTVILLE	TRAVERSE REED CITY	1961	MASON	1,646		34.6	CINCINNATIAN		17 0		4	340	0	WITH REE	VE PRODUCTI D CITY I			
1		REED CITT	1962		2,319	3 L	37.2	22		11 0	0	3	220	3,018	518,822			926	
+	SEARS	MICHIGAN STRAY	1964	AMBER TWP., 18N-	1.492	T	<u>, 14,</u>	DUNDEE	3,988	1 48	ANDONE	0 1965	160		<u> </u>		0		
1			1	SYLVAN TWP., 18N	1.		1	1	51522			.,,,,							
个	SECORD	DUNDEE	1937	1	3,437	T	38.0	DUNDEE	3,500	2 AB	ANDONE	0 1941	20		12,024	1		601	
5				SECORD TWP., 19N	4-1E, S	ECTIONS 1	1, 12	J	I.				J			1	l		
	SHAVER (SUMNER- NEW HAVEN)	REFER TO TABLE	+ DEVE	LOPED GAS STORAGE	RESERV	OIRS													
	SHELBY	TRAVERSE	1951	OCEANA	1,743	3 L	43.0	DUNDEE	2,234	20 AB	ANDONEI	D 1971	350		228,092			652	
+	1		1	BENONA TWP., 14N	I-18₩,	SECTION 1	8 BENO	NA TWP., 14N-19W,	SECTION	13									
	SHERIDAN	MICHIGAN STRAY	1935	L	1,375	2 S		DUNDEE	3,904	5 0	0	1	480				271,374	DOMESTI	C US
1				SHERIDAN TWP., 1	5N-7W,	SECTIONS	13, 14												
╀	SHERIDAN, SEC. 25	TRAVERSE	1951	NEWAYGO	2,204	1 L		TRAVERSE	2,205	1 AB	ANDONES	1 1055	10		100				
ł			1.001	SHERIDAN TWP., 1	1		25		12,205	- AB	ANDUNEL	- לללי -	1 10	l	628	I		63	
Γ	SHERMAN	DUNDEE	1936	1	3,650	1	42.0	SYLVANIA	4,994	38 O	0	5	1,020	3,515	4,746,263		641,217	4,653	2
				SHERMAN TWP., 15		1	1	33, 34 BROOMFIEL	<u> </u>							i	,,		
Ĺ	SHERMAN, SEC. 18	TRAVERSE	1939	ISABELLA	3,217	4 L		DUNDEE			ANDONE		20		1,364			68	
Ļ				SHERMAN TWP., 15			8											1	
┢			1	LOPED GAS STORAGE	1		T	I	<u> </u>	I			·			1			
1	SKEELS	TRAVERSE	1955	CLARE-GLADWIN	3,102	6 L	38.4	SYLVANIA	6,016	4 0		2	40	93	44,399	-		1,110	
-		DUNDEE	1950		3,840	70	39.6)		5 0	0	4	50	3,384				19,602	
		DETROIT RIVER SZ	1942 1953		4,844	4 D	47.4)		31 0	0	24	40	THE 24 WEI	1,254,489 LLS INCLUDE	16 RICHFI	ELD, 4) 980)	
-	1		1995	SHERMAN TWP 20	1	1	J	FRANKLIN TWP., 20	N 214 50				1,240	SOUR ZONE	& 4 RICHFI	ELD & SOUR	ZOŃE)	
	SOUTH BRANCH	RICHFIELD	1968	1	4,203	12 D	1	DETROIT RIVER	T		ANDONED		40				0		
				SOUTH BRANCH TWP	1 .	L	1 ON 32	1	1.,							li			
	SPRINGPORT	TRENTBLK. RIVER	1960	1	4,696	12÷ D	46.5	PRAIRIE DU CHIEN	5,250	2 AB	ANDONED) 1970	80		3,430			43	
				SPRINGPORT TWP.,	1S-3W	, SECTION	s 11, 1	4										L	
_	ST. CHARLES	TRAVERSE	1957	SAGINAW	2,305	3 L	51.6	TRAVERSE	2,308	1 AB	ANDONED	1967	10		13,250			1,325	
-		·····		ST. CHARLES TWP.	, 10N-	BE, SECTI	DN 26		·				,,						
-	ST. CLAIR, SEC. 18	SALINA-NIAGARAN	1953	ST. CLAIR	2,567	2 D		CINCINNATIAN	3,240	1 AB	ANDONED	1961	160				16,101		
	ST. HELEN			ST. CLAIR TWP.,	T		T		Г Т.		1								
-	ST. HELLN	RICHFIELD	1941		4,180		43.3	SALINA , 15, 16, 17, 19 Ti	5,440 1		0	54	4,040	265,059	5,327,807	325,792	10,656,089	1,319	34
	ST. MARY'S LAKE	TRAVERSE	1968		1,641	3 L	10, 14	TRAVERSE	1 1	2 0	0	2	40	237	26,308			658	
				RIVERTON TWP., 1;	1 ·		35			- [-	1.	1		257	20,900			0,0	
								h	<u> </u>				L			·			
:	STANDISH	RICHFIELD	1948	ARENAC	4,108	3 D	35.4	RICHFIELD	4,210	9 AB/	ANDONED	1967	360		147,062			409	
_				LINCOLN TWP., 18	N-4E, S	SECTIONS	10, 11,	15											
1	STANTON	TRAVERSE	1951	MONTCALM	2,916	7 DL	43.0	DUNDEE	3,492 1	7 0	0	6	340	5,945	974,088			2,865	1:
_	т		1	DOUGLASS TWP., 1	1		26, 27		<u> </u>			1							
1	STARRVILLE	NIAGARAN REEF	1967	L	2,336	5 D	1	NIAGARAN	2,396	3 0	0	3	120	3,858	120,415			1,003	
	STERLING	TRAVERSE	1948	COTTRELLVILLE TW				BIOUS LELD	4 00-					1				. 1	
-		DUNDEE	1948 1947	ARENAC	1,970	5 L 17 L	36.2 33.6	RICHFIELD	4,285 2	2 0	1	16	220	4,484	272,839			1,240	
		DETROIT RIVER SZ	1		3,918	5 D	41.1	}		1 0	+	35	1,600	7,972	427,055			2,135	
		RICHFIELD	1950		4,153	8 D	37.6	}			-+	·	1	I		SOUR ZONE &	9 RICHFIE	L	
				DEEP RIVER TWP.,	19N-4E	, SECTION	NS 9, 14	, 15, 16, 17, 18,	19, 20,	21, 2									
L	STOCKBRIDGE 6-1N-2E	A-1 CARBONATE	1972	INGHAM	3, 9 60	12 D	33.6	CLINTON	4,471	3 0	0	3	200	30,479	41,748	9,336	9,336	209	26
	STOCKBRIDGE	·····	· · · ·	STOCKBRIDGE TWP.,	, 1N-2E	, SECTION	16												
- 7	STOCKBRIDGE 7-1N-2E	A-1 CARBONATE	1974		3,906	10 D		NIAGARAN	4,445	1 0	0	1	80	10,414	10,739	SHUT-	- EN	134	. 11
	TOWN		lease 1	STOCKBRIDGE TWP.			1						1					·	
	STONY LAKE	"BEREA"	1949	OCEANA	930	1 SL		NIAGARAN			NDONED	T		-	1	WITH STONY	LAKE TRAVE		
	I	TRAVERSE	1946	CLAYBANKS THE	1,630	19 L	44.9	11 52 10 10	7	9 1	0	16	1,540	6,475	7,561,453			4,910	1,48
				CLAYBANKS TWP., 1			,, , , , , , , , , , , , , , , , , , , ,	TRENTBLK. RIVER	2 222	2 40.	NDONEC	1044	20	1					
:	······	TRENT, BLK RIMER	1958	MONROE-IENAWEE	1,9401				2,302	- INDA		1904	20		2,142	1		107	
:	······	TRENTBLK. RIVER	1958		1,940 , 7S-6E		4 30 DE	ERFIELD TWP., 75-4	SE, SECT	10N 24									
: :	SUMMERFIELD	TRENT,-BLK. RIVER	· · ·	SUMMERFIELD TWP.,	L		(30 DE	ERFIELD TWP., 75-5 DUNDEE	5E, SECT 3,366 3		1	17	350	5,183	1,087,756			3,108	61
4	SUMMERFIELD		· · ·	SUMMERFIELD TWP.,	, 7S-6E 2,853	, SECTION 1 L	44.5				· · · · ·	17	350	5,183	1,087,756			3,108	6
	SUMMERFIELD	TRAVERSE	· · ·	SUMMERFIELD TWP., GRATIOT SUMNER TWP., 11N-	, 7S-6E 2,853	, SECTION 1 L	44.5		3,366 3		· · · · ·	17	350 320	5,183	1,087,756		12,667	3,108 DOMESTIC	

	– POOL CLASSIFI	CATION		IVE GIL FIELD OR POOL NGGNED GIL FIELD GR P	CGL		L L	TVE GAS FIELD OR POOL NDGNED GAS FIELD OR P			T		GAS-CONDI	D OR POOL INSATE FILLD			TORAGE RESER		SERVOIR
	FIELD NAME	PRODUCING FORMATION OR POOL	YEAR OF DISC.	COUNTY TOWNSHIP PRODUCTING SECTIONS	I IN I		01L GRAV13Y A.P.I.	DEEPEST FORMATION OR POOL TESTED	IN	TO C END	BER OF WE OMP. ADAND IN IN 1.9.7.5		DRILLED ACRES	PRODUCED IN 1975	ION - BBLS CUMULATIVE THROUGH 1975	GAS PRODUC PRODUCED IN 1975	TION - MLT CUMULATIVE THROUGH 1975	RECOVERY PER ACRE DRILLED (BBLS.)	BARREL BRINI PER DA
Ş٧		MICHIGAN STRAY	1941	OSCECLA	1,525	10 S 13.7 D	48.0	DETROIT RIVER	4,100		BANDONED	1953 2	40 440	1,843	1,191,904		80,714	2,709	
		GUNDEE	1948	SYLVAN TWP., 18N	2,925 -7W, SE			N STRAY) SECTIONS	1i			-						L	
ΤA	YMOUTH	TRAVERSE	1957	SAGINAW	2,085	6 L		TRAVERSE	2,135	1	с о	1	160	0	318			SHUT	DOWN
		TRENTON	1959	TAYMOUTH TWP., 1 CALHOUN	ON-5E,	SECTION 1 ? DL	1 34.5	PRAIRIE DU CHIEN	4,147	4	0 0	2	90		18,785	SHUT	- I N	209	1
16	KONSHA	1 K C H 1 GW	1.000	TEKONSHA TWP., 4				ABANDONED IN 196	J	TIVA	red in 19	74	L					1	J
ΤH	DMPSON CORNERS	TRAVERSE	1968	NEWAYGO	2,138	2 L		TRAVERSE	2,140	1	ABANDONED	1973	40	0	9,374		_	234	
	ORNAPPLE, SEC. 4	TRAVERSE	1952	BEAVER TWP., 15N BARRY	-14W, S	2 L) 	TRAVERSE	1,973	2	ABANDONED	1961	20		2,716			136	
19	UKNAFFLE, SEC. 4	INHVENJE	1.532	THORNAPPLE TWP.,	<u> </u>		I IS 3, 4		1				I			·		·	
TF	ENŤ	TRAVERSE	1949	MUSKEGON	2,039	ŤL		TRAVERSE	2,118	2	ABANDONE	1969	40		30,771			769	
	OWBRIDGE	TRAVERSE	1937	CASNOVIA TWP., 1 ALLEGAN	ON-13W,	SECTION 2 L	41.2	CINCINNATIAN	2,952	162	0 1	5	1,840	1,256	524,216			285	1
18	UWBR I DGE	TRAVENSE	1.007				1	THROUGH 10, 12, 1	1				29, 30,	31, 32 OT	SEGO TWP.	1N-12W, S	ECTIONS 7,	18	
τı	JRK LAKE	MICHIGAN STRAY	1947	MONTCALM	1,081	4 S		DETROIT RIVER	3,413	4	0 0	2	640				217,584	DOMEST	IC US
	10 ONE	TRAVERSE	1952	MONTCALM TWP., 1 KENT	ON-8W,	SECTIONS 2 L	9, 10,	14 DETROIT RIVER	2,900	7	ABANDONE	1956	140		31,558			225	
n	(RONE	INAVERSE	1 (752	TYRONE TWP., 10N	4		10, 11,	I					1		·				
U	41 ON	TRAVERSE	1950		3,191	2 L		DETROIT RIVER	4,096	1	ABANDONEI	1963	20		58,263		55,354	2,913	
			10/2	UNION TWP., 14N- ISABELLA	4W, SEC	TION 20 3 S		DUNDEE	3,777	2	0 0	2	240		SHUT - IN				1
U	VION, SEC. 6	MICHIGAN STRAY	1965	UNION TWP., 14N-	1			DONDEE	10,777				1				I		J
		-		······································	1				- T			1					1	1	
V	ERNON	DUNDEE	1930	L	3,755	3 DL		BOIS BLANC 21, 22, 23, 26, 2	5,118	78	0 0	1	890	2,371	5,047,462			5,671	1,0
v	ERNON	MICHIGAN STRAY	1939	ISABELLA	1,300	r	1	DETROIT RIVER	3,907	25	ABANDONE	0 1956	920			Γ	1,464,249		
				VERNON TWP., 161	N-4W, SI	ECTIONS 2	5, 26,	35, 36 ISABELLA	TWP., 1	5N-44	, SECTIO	N 1				1	1	1	
٧	EVAY 8-2N-1W	NIAGARAN REEF	1975	INGHAM	4,140		43.8	NIAGARAN	4,312	1	1 0	1	80				l		
	EVAY 16-2N-1W MASON)	NIAGARAN REEF	1970	VEVAY TWP., 2N- INGHAM VEVAY TWP., 2N-	4,165	39 D	49.4	CLENTON	4,555	2	0 0	2	120	19,166	148,187	110,75	435,680	1,235	5
v	EVAY 17-2N-1W	NIAGARAN REEF	1972	1	4,162		Ι	NIAGARAN	4,300	3	0 0	3	240	52,865	82,442	118,91	153,050	344	+
				VEVAY TWP., 2N-	1		1		1				0.0	1	1.000	T	I	161	
-	EVAY 19-2N-1W IAGARAN POOL A	TRAVERSE	1971	I NGHAM	2,141		37	CINCINNATIAN	4,600	2	ABANDONE 0 0	D 1972	80 320	36,997	12,930	160,57	2,563,998	472	
-	AGARAN POOL A	NIAGARAN REEF					42			4	0 0	4	640	43,668	160,869	557,46	3 2,264,957	251	1
N	AGARAN POOL C	NIAGARAN REEF	8001	(A) INCLUDES THE	E MIL	IFR & A	THIAY	FLIS LOCATED IN T	E POOL	1		THE C	160 ARTER,	11,16 YON, DABI,	5 18,663	60,11 ELLS LOCATI	121,767		FS TH
R	TAGARAN POOL C TELD DECLARED TO H ESERVOIRS OR POOLS	(ORDER NO. 2 - 1-)	73) SE ±	OF SECTION 24, T.2N	1.,R.2W.,	& THE SW	19 A	CTION 19, T. 2N., R 1V JRELIUS TWP., 2N-2	. IN T W. SECT	HE N	OF SECT	10N 19	& THE	52 OF SECII	ON 18, 1.	2N., K.IW.	LOVETTE THE SW SECTION	DE THE M	NE 0
				12141 100.1, 20					·										
v	EVAY 20-2N-1W	NIAGARAN REEF	1972	(NGHAM	3,939	2 D		PRAIRIE DU CHIE	N 5,985	1	0 0	1	80	1,912	16,656	14,18	126,542	208	8
_		TRAVERSE	1957	VEVAY TWP., 2N- MASON	1W, SEC	1	36.0	TRAVERSE	1,616	1	ABANDONE	D 1958	10	[580			58	8 001
Ľ	ICTORY, SEC. 10	TRAVENSE		VICTORY TWP., 1	1	1			<u> </u>				NONCO	MMERCIAL GA	S PRODUCTI	ON IN BASE	OF GLACIA	DRIFT	-4
	OGEL CENTER	DUNDEE	1966	MISSAUKEE	3,892	<u> </u>		DUNDEE	3,895	2	0 0	2	80	1,707	44,101			55	1
 -		"BEREA"	1940	CLAM UNION TWP.	, 21N-6	W, SECTIO	· [··	ST. PETER SS.	5,222	R		1		469	47,645				
ť	ALKER	TRAVERSE	1940		1,872		36.0	+		, 782	0 3	346	8,560	116,881	16,930, 147		3,678,73	1,98	3
					-					-			- -	LS INCLUDE	343 TRAVER	SE AND 3 "	BEREA"	+	
_		DETROIT RIVER			2,132		+			1	0 0	1	1 DETR	WELLS INCLU OIT RIVER &	1 TR AVERSE	/,00	1 1,317,48	DOMEST	IC US FUEL
-		& DETROIT RIVER	<u> </u>	I WALKER TWP., 7N WYOMING TWP., 6	1-12W, S N-12W,	ECTIONS 1 SECTIONS	19, 20, 2, 3,	27, 28, 29, 30, 3 4, 7, 8	1, 32,	33,	34 WALKE	R TWP.	, 6N-12	W, SECTIONS	3, 4, 5,	6			
		CALINA		TALLMADGE TWP., GEORGETOWN TWP.	7N-13W , 6N-13	A. SECTION W, SECTION	VS 14, DNS 1,	15, 22 THROUGH 28 2 GEORGETOWN TWP	33, 32 , 7N-13	+, 35 3W, S	ECTION 3	LMADGE	. IWP.,	I	1		1	1	2
	VASHINGTON SEC. 28	SALINA A-1 CARBONATE	1975	WACOMB WASHINGTON TWP.	3,357		<u> </u>	NIAGARAN 28	3,54	5 5	5 0	5	200	551	551	<u> </u>	1		기
 ,	VAYLAND	TRAVERSE	1944	1	1,799	7	1	1	ER 4,40	54	0 0	2	530	903	265,77	7		50	1
t		SAL INA	1960	0	3,13	2 12 D				31	0 0	28	1,240	43,351	1,356,71	•		1,09	4
				1	T	1	E≟ 8,	9, 16, 17, 18, 20 TRAVERSE	, 21	2 10	0 0	5	150	903	111,31	+		74	12
-	WAYLAND, NORTH	TRAVERSE	1957	WAYLAND TWP., 3	1,696 3N-11W,	L	6, 7,			-1'?		1 3		J	1		1		
T	≪E ARE	TRAVERSE	1961	1	1,68	T	1	TRAVERSE	1,73	7 3	ABANDON	D 196	4 30		6,91	9		23	11
1				WEARE TWP., 16M	N-17₩, 5	1		DUNDEE		<u> </u>	r				1,09		T	11	0
┢	WEARE, SEC, 14	TRAVERSE	1953	2 OCEANA	1,67	4 I E			2,21	7 1	ABANDON		4 10						

ļ	POOL CLASSI	FICATION	Al	CTIVE OIL FIELD OR PO	DL		- ¢- AI	CTIVE GAS FIELD OR PO	о.		÷.	GAS-COND	ENSATE FI	ELD OR POOL		GAS S	STORAGE RESER	WOIR	
	FOUL CLASSI	FIGATION	🕤 AI	BANDONED OIL FIELD OR	POOL		÷	SANDONED GAS FIELD OR	POGL		Ť			IDENSATE FIEL	D OR POOL	-	ELOPED GAS S		SERVA
. 1		FRODUCING FORMATION	YEAR	COUNTY		PAY ZOI	NE	DEEPEST FORMATIO	N DEPTH	NUM	BER OF	FWELLS		OIL PRODU	CTION-BBLS	GAS PRODUC		1	TO
-	FIELD NAME	OR	OF DISC	TOWNSHIP PRODUCING SECTIONS	DEPTH	THICKNES	S OIL GRAVITY	OR POOL TESTED	IN FEET	TO C	OMP . AB	AND. ACTIV	DRILLEI ACRES		CUMUL AT I VE THROUGH	PRODUCED	CUMULATIVE THROUGH	RECOVERY PER ACRE DRILLED	BARI BR PER
	WEST BRANCH				FEEI	LITHOLOG	Y A.P.I.	ļ	4		197		7	1975 CTION COMB	1975	1975	1975	(B8LS.)	1
+	HEST BRANCH	TRAVERSE	193	+	1,796	+	+	CAMBRO-ORDOVIC	AN 11,012		_		WEST	BRANCH DUN	DEE	CONNECTION	RSE OTL PR WITH WATE	DDUCED (R FLOOD	N Proj
+	r	DUNDEE DETROIT RIVER S	193		2,650	1		1		281	0	0 159		1	1 9,350,001			3,375	
+					3,585			<u> </u>				THE	159 WE	LLS INCLUD	E 157 DUNDE	E & 1 TRAVE	RSE & 1 TR	AVERSE &	DUN
)		RICHFIELD	1952	2	4,12	/	33.0	<u> </u>		63	0	0 60 TUE	2,520		3,107,453		61,430		
)				WEST BRANCH TWP	22N.	2F SECT	LONS 18	19 20 21 26	07 00	20 1						D, 25 SOUR		6 RICHFI	ELD
1								19, 20, 21, 26,			· ·	, 35 06	EMAW IN	Ψ., 22N-1E	, SECTIONS	10, 13, 14,	23, 24		
					N-2E, S	ECTIONS	1, 2 MI	LLS TWP., 21N-3E,	SECTIO	NS 5,	6		·		·····				
8	WHEATLAND	MICHIGAN STRAY	1947	·	1,399	3 3 5	+	DETROIT RIVER	3,849	4	0	0 1	160				506,369	DOMEST	ICI
ł		DUNDEE	1949	<u>{</u>	3,690				1.	6 A	BANDO	NED 1960	100		141,631			1,416	
ł		1	1	WHEATLAND TWP.,	1		NS 7, 8,	9							·				
ł	WHITE CLOUD	TRAVERSE	1963		2,537		L	TRAVERSE	2,540	1 A	BANDO	NED 1964	40		1,295			32	
ł		SALINA-NIAGARAN		WILCOX TWP., 14	N-12W,	SECTION	19	1	,										
╀	WHITE OAK 32-2N-2E	REEF	1973	I	3,970	L	- L	CATARACT	4,583	3	0 0	0 3	240	18,401	44,124	3,309	6,964	184	
ł		1		WHITE OAK TWP.,	2N-2E,	SECTION	32												
Ļ	WHITE RIVER	DUNDEE	1950	MUSKEGON	2,053	2 L	28.0	DUNDEE	2,055	1 A	BANDO	NED 1951	20	İ.	7,061			353	
ł		T	·	WHITE RIVER TWP	., 12N-	18W, SEC	TION 15												
ŀ	WILEY	TRAVERSE	1962	MASON	1,663	5 L	39.9	ST. PETER SS.	5,890	18	0 (0 4	380	829	425,479			1,120	
-		DUNDEE -			IGW, SE	CTION 18	RIVERT	ON TWP., 17N-17W,	SECTION	1 12			,						_
_	WINFIELD	REED CITY	1936	MONTCALM	3,340	1 L	43.2	REED CITY	3,500	8	0 0	0 2	120	565	118,542			988	
_				WINFIELD TWP.,			20, 28	, 29											
-	WINFIELD		+ DEVE	LOPED GAS STORAGE	RESERV	OIRS			+			·							
_	WINTERFIELD	TRAVERSE	1940	CLARE	3,105	1 L	-	SYLVANIA	5,273				260	4,872	293,566	0	256,586	1,129	
_		DUNDEE	1940		3,794	3 L	44.2		ß				740	13,769	4,813,554			6,505	1,
		RICHFIELD	1942	WINTERFIELD THE	5,015	15 D				50 (13	100	2,842	181,118			1,811	
				GREENWOOD TWP.,	19N-5W	SECTION	UNS 28	THROUGH 32, 35, 3	6 REDDI	NG TWI	°., 19	AN-6W, SE THE 1	CTIONS 3 WELLS	1, 5 INCLUDE 8	TRAVERSE,	4 DUNDEE &	1 TRAVERSE	& RICHF	IEI
_	WISE	MICHIGAN STRAY	1940	ISABELLA	1,250	55		SYLVANIA	5,205	? (1	1,280				1,705,130		
_		TRAVERSE	1953		3,090	31 L	43.0	}						2,421	49,029				
		DUNDEE	1938		3,700	11 L	45.2	}		79 0		23	1,640	12,430	3,935,595			2,430	١,
_		DETROIT RIVER SZ	1955		4,415	48 DL	42.6			2 () 1	80	1,292	63,571			795	
_				WISE TWP., 16N-3	W, SECT	TIONS 8,	9, 16, 1	17, 20, 21, 28, 29	, 32, 3	3		THE 2 AND 1	3 WELLS DUNDEE	AND DETRO	7 DUNDEE, 1 IT RIVER	STRAY, 4 T	RAVERSE AN	D DUNDEE	-
1	WOLF LAKE	"BEREA"	1949	MUSKEGON	1,050	7 D		DETROIT RIVER	2,250	2 AE	BANDON	IED 1956	320				99,756	1	
_		TRAVERSE	1968		1,741	23 L				3 0	0	1	60	o	4,614			77	
_				EGELSTON TWP., 1	ON-15W,	SECTION	s 7, 8,	18 MUSKEGON TWP	, 10N-1	6W, SE	CTION	13							-
1	WOODSTOCK	TRAVERSE	1969	LENAWEE	1,465	2 L		TRAVERSE	1,467	2 0) 0	1	80	1		SHUT-IN FO	R MARKET	1	
-				WOODSTOCK TWP.,	5S-1E,	SECTION	18												
_									1	10 0	0	10	350	4,172	572,187				
•	WOODVILLE	TRAVERSE	1943	NEWAYGO	2,820	5 L	43.5	DETROIT RIVER	3,534							1		1 635	
,	WOODVILLE	TRAVERSE	1943	NEWAYGO NORWICH TWP., 15	است		<u>ا</u> ــــــــــــــــــــــــــــــــــــ		3,534	-								1,635	
	WOODVILLE WOODVILLE (NORWICH)			NORWICH TWP., 15	N-11W,	SECTIONS	<u>ا</u> ــــــــــــــــــــــــــــــــــــ		3,534							-		1,635	
V				NORWICH TWP., 15	N-11W,	SECTIONS	<u>ا</u> ــــــــــــــــــــــــــــــــــــ		2,337	7 0	0	4	60	111		SHUT-IN I	LACK OF		
V	WOODVILLE (NORWICH)	REFER TO TABLE 4	DEVEL	NORWICH TWP., 15 OPED GAS STORAGE	N-11W, RESERVO	SECTIONS	<u>ا</u> ــــــــــــــــــــــــــــــــــــ	29				-			47,195	SHUT-IN I	LACK OF	788	
V	WOODVILLE (NORWICH)	REFER TO TABLE 4	DEVEL 1954	NORWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA	N-11W, RESERVC 1,170 1,920	SECTIONS HRS 3 L 1 L	20, 28,	29 DETROIT RIVER	2,337	7 0	0	2	60 70	111		SHUT-IN L STORAC	LACK OF		
V	WOODVILLE (NORWICH)	REFER TO TABLE 4	DEVEL 1954	NORWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA	N-11W, RESERVC 1,170 1,920	SECTIONS HRS 3 L 1 L	20, 28,	29	2,337	7 0 V, SEC	0 TION	2			47,195 18,498	SHUT-IN L STORAC	LACK OF	788 264	
V	WOODVILLE (NORWICH) WRIGHT	REFER TO TABLE 4 "BEREA" TRAVERSE	DEVEL 1954 1953	NORWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N-	N-11W, RESERVC 1,170 1,920 13W, SE 1,870	SECTIONS HIRS 3 L 1 L CTIONS 24 6 L	20, 28, B, 32, 3 39.0	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER	2,337 , 7N-13V	7 0 V, SEC	0 TION	2	70		47,195	SHUT-IN I STORAG	LACK OF	788	
v	WOODVILLE (NORWICH) WRIGHT	REFER TO TABLE 4 "BEREA" TRAVERSE	DEVEL 1954 1953 1939	NORWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT	N-11W, RESERVC 1,170 1,920 13W, SE 1,870	SECTIONS HIRS 3 L 1 L CTIONS 24 6 L	20, 28, B, 32, 3 39.0	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER	2,337 , 7N-13V 2,255	7 0 V, SEC 21 AB	O TION ANDONI	2 4 ED 1970	70		47,195 18,498	SHUT-IN I STORAC	GE	788 264	
v	WOODVILLE (NORWICH) WRIGHT WYOMING PARK	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE	DEVEL 1954 1953 1939	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620	SECTIONS HIRS 3 L 1 L CTIONS 24 6 L ECTIONS 20 D	20, 28, B, 32, 3 39.0	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23	2,337 , 7N-13V 2,255	7 0 V, SEC	O TION ANDONI	2 4 ED 1970	70		47,195 18,498	SHUT-IN I STORAC	LACK OF GE 354,177	788 264	
v	WOODVILLE (NORWICH) WRIGHT WYOMING PARK	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE	DEVEL 1954 1953 1939	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620	SECTIONS HIRS 3 L 1 L CTIONS 24 6 L ECTIONS 20 D	20, 28, B, 32, 3 39.0	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23	2,337 , 7N-13V 2,255 2 2,829	7 0 V, SEC 21 AB 2 0		2 4 ED 1970 2	70 300 80		47,195 18,498	SHUT-IN I STORAC	354,177	788 264 526	
v	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF	DEVEL 1954 1953 1939 1963	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP., OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620 5N-16E, 945	SECTIONS VIRS 3 L 1 L CTIONS 24 6 L ECTIONS 20 D SECTION 9 D	20, 28, B, 32, 3 39.0 13, 14, 25	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN	2,337 , 7N-13V 2,255 2 2,829	7 0 V, SEC 21 AB 2 0		2 4 ED 1970	70		47,195 18,498	SHUT-IN I S TORAC	354,177	788 264	: U
V V V	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF	DEVEL 1954 1953 1939 1963	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP.,	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620 5N-16E, 945	SECTIONS VIRS 3 L 1 L CTIONS 24 6 L ECTIONS 20 D SECTION 9 D	20, 28, B, 32, 3 39.0 13, 14, 25 2, 11, 1	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN	2,337 , 7N-133 2,255 2,829 3,388	7 0 V, SEC 21 AB 2 0 7 AB		2 4 ED 1970 2 ED 1975	70 300 80 280		47,195 18,498 157,873	SHUT-IN I S TORAC	354,177	788 264 526 DOMESTIC	
V V V	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA"	DEVEL 1954 1953 1939 1963	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620 5N-16E, 945 -14W, S	SECTIONS DIRS 3 L 1 L CTIONS 22 6 L ECTIONS 20 D SECTION 9 D ECTIONS 2	20, 28, B, 32, 3 39.0 13, 14, 25 2, 11, 1 41.9	29 DETROIT RIVER 3 TALLMADGE TWP. JE TROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14	2,337 ,7N-13V 2,255 2,829 3,388 3,052 2	7 0 V, SEC 2 0 7 AB 1 AB		2 4 ED 1970 2 ED 1975 ED 1967	70 300 80 280 400		47, 195 18, 498 157, 873 310, 085	SHUT-IN E STORAC	354,177	788 264 526 DOMESTIC	
V V V	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE	DEVEL 1954 1953 1939 1963 1946 1942	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620 5N-16E, 945 -14W, S 1,514 2,792	SECTIONS JIRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTION 9 D ECTIONS 3 L 5 D	20, 28, B, 32, 3 39.0 13, 14, 25 2, 11, 1 41.9 20.5	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN	2,337 ,7N-13) 2,255 2,829 3,388 3,052 2	7 0 4, SEC 21 AB 2 0 7 AB 1 AB 1 AB		2 4 ED 1970 ED 1975 ED 1967 ED 1962	70 300 80 280 400 10	12	47, 195 18, 498 157, 873 310, 085 1,606		354,177	788 264 526 DOMESTIC 775 161	
V V Z Z	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE	DEVEL 1954 1953 1939 1963 1946 1942	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 -12W, S 2,620 5N-16E, 945 -14W, S 1,514 2,792	SECTIONS JIRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTION 9 D ECTIONS 3 L 5 D	20, 28, B, 32, 3 39.0 13, 14, 25 2, 11, 1 41.9 20.5	29 DETROIT RIVER 3 TALLMADGE TWP. 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA	2,337 , 7N-13V 2,255 2 2,829 3,388 3,052 2 4D TWP.,	7 0 7 5EC 21 AB 2 0 7 AB 1 AB 5N-11	ANDONE ANDONE ANDONE ANDONE SW, SE	2 4 ED 1970 2 ED 1975 ED 1975 ED 1967 ED 1962 ECTIONS (70 300 80 280 400 10	12	47,195 18,498 157,873 310,085 1,606 €) ZEELAMD		354,177	788 264 526 DOMESTIC 775 161 N 29 (SA	
V V V Z	W00DVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND	REFER TO TABLE 4 "BEREA" TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA	DEVEL 1954 1953 1939 1963 1946 1942 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN	2,337 , 7N-13V 2,255 2 2,829 3,388 3,052 2 4D TWP.,	7 0 7 5EC 21 AB 2 0 7 AB 1 AB 5N-11	ANDONE ANDONE ANDONE ANDONE SW, SE	2 4 ED 1970 ED 1975 ED 1967 ED 1962	70 300 80 280 400 10	12	47, 195 18, 498 157, 873 310, 085 1,606		354,177	788 264 526 DOMESTIC 775 161	
V V V	W00DVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND	REFER TO TABLE 4 "BEREA" TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA	DEVEL 1954 1953 1939 1963 1946 1942 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 ,7N-133 2,255 2,829 3,388 3,052 2 4D TWP., 2,215	7 0 4, SEC 21 AB 2 0 7 AB 1 ABJ 1 ABJ 5N-11 3 ABJ	ANDONE ANDONE ANDONE ANDONE SW, SE	2 4 ED 1970 2 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS 6 ED 1956	70 300 80 280 400 10 :1 35, 30	12	47,195 18,498 157,873 310,085 1,606 E) ZEELANDCAS 4,437	STORAC STORAC STORAC STORAC	354,177	788 264 526 DOMESTIC 775 161 N 29 (SA	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND	REFER TO TABLE 4 "BEREA" TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA	DEVEL 1954 1953 1939 1963 1946 1942 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-13V 2,255 2 2,829 3,388 3,052 2 4D TWP.,	7 0 4, SEC 21 AB 2 0 7 AB 1 ABJ 1 ABJ 5N-11 3 ABJ	ANDONE ANDONE ANDONE ANDONE SW, SE	2 4 ED 1970 2 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS 6 ED 1956	70 300 80 280 400 10 335, 30 25,385	12	47, 195 18, 498 157, 873 310, 085 1,606 E) ZEELAND 4, 437 41, 406, 568	STORAC STORAC D TWP., SN-1 U TWP., SN-1 U TWP., SN-1	354,177	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
V V V	WOODVILLE (NORWJCH) WRIGHT WYOMING PARK YANKEE ZEELAND ZEELAND ZEELAND, SEC. 28	REFER TO TABLE 4 "BEREA" TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA	DEVEL 1954 1953 1939 1963 1946 1942 1958 1954	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 ,7N-133 2,255 2,829 3,388 3,052 2 4D TWP., 2,215	7 0 4, SEC 21 AB 2 0 7 AB 1 ABJ 1 ABJ 5N-11 3 ABJ	ANDONE ANDONE ANDONE ANDONE SW, SE	2 4 ED 1970 2 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS 6 ED 1956	70 300 80 280 400 10 335, 30 25,385	12	47, 195 18, 498 157, 873 310, 085 1,606 E) ZEELAND 4, 437 41, 406, 568	STORAC STORAC STORAC STORAC	354,177	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	W00DVILLE (NORWICH) WRIGHT WYORING PARK YANKEE ZEELAND ZEELAND ZEELAND ZEELAND CHANN, SEC. 28 CHANN, SEC. 28	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE GES IN FIELD NAME	DEVEL 1954 1953 1939 1963 1946 1942 1958 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- ST. CLAIR ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-131 2,255 2,829 3,388 3,052 2,25 3,052 2,25 5,011	7 0 4, SEC 1 AB 2 0 7 AB 1 AB, 5N-1 3 AB, LS:	O TION ANDONI O ANDONE ANDONE SW, SE	2 4 ED 1970 ED 1975 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS E ECTIONS E ED 1956	70 300 80 280 10 125,385 1 125,385 1	12	47, 195 18, 498 157, 873 310, 085 1,606 E) ZEELAND 4, 437 41, 406, 568 2 2	STORAG STORAG	354.177	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWJCH) WRIGHT WYOMING PARK YANKEE ZEELAND ZEELAND ZEELAND ZEELAND, SEC. 28	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICL O AFTER NEARY GE	DEVEL 1954 1953 1939 1963 1946 1942 1958 1954 1954	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- KENT ST. CLAIR ST. CLAIR ST. CLAIR ST. CLAIR TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-133 2,255 2 2,829 3,388 3,388 3,052 2 2,215 3,388 40 TWP 2,215 775 TOTA	7 0 4, SEC 1 AB 2 0 7 AB 1 AB, 5N-11 3 AB, LS: AND CC	0 TION ANDONI 0 ANDONE ANDONE ANDONE ANDONE SW, SE ANDONE SW, SE SW, SE SW, SE ANDONE SW, SE ANDONE SW, SE ANDONE	2 4 ED 1970 2 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS (ED 1956 ECTIONS (ED 1956)	70 300 80 280 10 15 35, 30 25, 385 1 1 25, 385	12	47,195 18,498 157,873 310,085 1,606 ξ) 2ΕΕΕΔΑΡΟ 4,437 41,406,568 2	STORAC STORAC D TWP., SN-1 D TWP., SN-1 	354,177	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WRIGHT VANKEE ZEELAND ZEELAND ZEELAND STORICALLY, WITH FE ELOS HAVE BEEN NAME STORICALLY, WITH FE ELOS HAVE BEEN NAME AND AND AND AND AND AND AND AND AND AND	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICI D AFTER NEARBY GE S, LARCS AND TOW REEF OISCOVERIES N GASUITABLE, ID NORMON	DE VEL 1954 1953 1939 1963 1946 1942 1958 1958 1958 1954 5 S	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- ST. CLAIR ST. CLAIR TWP., 6N ST. CLAIR TWP., 6N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-131 2,255 2,829 3,388 3,052 2,25 3,388 3,052 2,25 5,052 2,25 5,052 2,25 5,052 2,25 5,052 2,25 5,052 2,25 5,052 5,055 5,05	7 0 4, SEC 1 AB 2 0 7 AB 1 AB 1 AB 5N-1! 3 AB LS: AND CCC 5 01L 5 01L	ANDONE ANDONE ANDONE ANDONE ANDONE ANDONE SM, SE SM, SM, SM, SM, SM, SM, SM, SM, SM, SM,	2 4 ED 1970 ED 1975 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS E ECTIONS E E ECTIONS E E ECTIONS E E ECTIONS E E ECTIONS E E E E E E E E E E E E E E E E E E E	70 300 80 280 400 10 125,385 1 225,385 1 UCTION LE 3 AN E BEDION	12	47,195 18,498 157,873 310,085 1,606 ξ) 2ΕΕLΑΝD 4,437 41,406,568 2 2	STORAC STORAC D TWP., SN-1 D TWP., SN-1 U U U U U U U U U U U U U U U U U U U	354,177 354,177 4₩, SECTIO 5,072,341 34,595 BARI 84,930 19,525	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK YANKEE ZEELAND ZEELAND ZEELAND ZEELAND STORICALLY, WITH FE ELOS HAVE BEEN NAME ELOS HAVE BEEN NAME ALL PARES AND A LAC CHAS TOWNS, VILLAG NUMEROUS NIAGARAN LA LAREAS AND A LAC CHIGAN IN FUTURE TO	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICL D AFTER NEARBY GE SALENA AND POSSIBLE IN GASUTHE AND MING S RESF DISCOVERIES IN RESF DISCOVERIES IN RESF DISCOVERIES IN RESF DISCOVERIES IN RESF DISCOVERIES IN RESF DISCOVERIES IN RESF DISCOVERIES IN THISAN AND POSSIBLE	DE VEL 1954 1953 1939 1963 1946 1942 1958 1958 1958 1958 S HIGAN OGRAPH NITHIN STHIP	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N- OTTAWA ZEELAND TWP., 5N- OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-133 2,255 2,829 3,388 3,399 3,300 3,3	7 0 4, SEC 21 AB 2 0 7 AB 1 AB, 1 AB, 5N-11 3 AB, LS: AND CC PRODUC 5 OIL E OIL	ANDONE ANDONE ANDONE ANDONE ANDONE ANDONE SW, SE SW, SW, SW, SW, SW, SW, SW, SW, SW, SW,	2 4 ED 1970 2 ED 1975 ED 1967 ED 1967 ED 1967 ED 1967 ED 1966 ECTION ST ED 1956	70 300 80 280 10 12 30 25,385 1 1 UCTION LE 3 AM E PRODU ON TABL	12 12 16 (TRAVERS 16 (TRAVERS 1, 180, 505 FROM TABLE CTION FROM CTION FROM CTION FROM	47, 195 18, 498 157, 873 310, 085 1,606 E) ZEELAND 4, 437 41, 406, 568 2 2	STORAC STORAC D TWP., SN-1 D TWP., SN-1 U U U U U U U U U U U U U U U U U U U	354,177 4W, SECTIO 5,072,341 34,595 BAR 84,930 19,525 54,768 30,192	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK VANKEE ZEELAND ZEELAND ZEELAND ZEELAND, SEC. 28 CHAN STORICALLY, WITH FE ELOS MATCH SEC. 128 CHAN STORICALLY, WITH FE ELOS MATCH SEC. 128 CHAN STORICALLY, WITH FE ELOS MATCH SEC. 128 CHANDAL AREAS AND A LAC OSE IN MORTHERN MIC. STORICAL THERE MICH.	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICO AFTER NEARBY GE AFTER NEARBY GE REF OISCOVERIES N FOUTDALE, ID HIGAN AND POSSIBLE N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW	DEVEL 1954 1953 1953 1953 1939 1963 1946 1942 1958 1958 1958 1958 S HIGAN OGRAPH S S HIGAN VIAGA STHIP S THOSA	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- ST. CLAIR ST. CLAIR ST. CLAIR TWP., 6N ST. CLAIR TWP., 6N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-133 2,255 2,829 3,388 3,397 3,3	7 0 4, SEC 21 AB 2 0 7 AB 1 AB; 1 AB; 1 AB; 5N-1: 3 AB; LS: AND CC FRODUC 5 OIL E OIL TE CUM	ANDONE ANDONE ANDONE ANDONE ANDONE SW, SE ANDONE PRODU PRODU PRODU	2 4 ED 1970 2 ED 1975 ED 1967 ED 1967 ED 1967 ED 1967 ED 1962 ECTIONS E ECTIONS E ECTION SE CONDENSAT COTION SEA	70 300 80 280 10 10 13 30 25,385 11 UCTION LE 3 AM E PRODUCTION CM TABLE	12	47, 195 18, 498 157, 873 310, 085 1,606 E) ZEELAND 4, 437 41, 406, 568 2 2 TABLE 2 1975.	STORAC ST	354,177 4W, SECTIO 5,072,341 34,595 BAR 84,930 19,525 54,768 30,192	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK VANKEE ZEELAND ZEELAND ZEELAND ZEELAND, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN CHAN AND ALACAS SEC. 28 CHAN AND ALACAS SEC. 28 CHAN AND ALACAS SEC. 28 CHAN AND RANGE.	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICO AFTER NEARBY GE AFTER NEARBY GE REF OISCOVERIES N FOUTDALE, ID HIGAN AND POSSIBLE N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW	DEVEL 1954 1953 1953 1953 1939 1963 1946 1942 1958 1958 1958 1958 S HIGAN OGRAPH S S HIGAN VIAGA STHIP S THOSA	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- ST. CLAIR ST. CLAIR ST. CLAIR TWP., 6N ST. CLAIR TWP., 6N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1.870 -12W, S 2,620 SN-16E, 945 -14W, S 1,514 2,792 -14W, S 1,514 2,792 -14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 20 D SECTIONS 9 D ECTIONS 3 L 5 D ECTIONS 2 1 L	20, 28, 20, 28, 20, 28, 3, 20, 3 39, 0 13, 14, 25 2, 11, 1 41, 9 20, 5 5, 30,	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER	2,337 , 7N-133 2,255 2,829 3,388 3,352 2,215 3,388 3,388 3,052 2,215 3,388 40 TWP 2,215 575 OIL TAL 197 755 OIL TAL 197 TAL 197 TAL 197 TAL 197 FROM M	7 0 4, SEC 1 AB 2 0 7 AB 1 AB, 1 AB, 1 AB, 5 N-1: 3 AB, 5 N-1: 5 OIL E OIL TE CUP	ANDONE ANDONE ANDONE ANDONE ANDONE ANDONE SW, SE ANDONE PRODU PRODU ULATI I GURE	2 4 ED 1970 2 ED 1975 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS I ECTIONS I ECTION ST ICTION FOR CONDENSAT ICTION ST ICTION ST I	70 300 80 280 400 10 12 30 225,385 11 WCTION 400 10 12 30 10 12 10 10 12 10 10 10 10 10 10 10 10 10 10	12 16 (TRAVERS 16 (TRAVERS 1, 180, 505 FROM TABLE D 4 CTION FROM CTION FROM CTION FROM CTION FROM 0 4 0 4 0 4 0 7 BARRELS LIED FROM	47, 195 18, 498 157, 873 310, 085 1, 606 E) ZEELAND 4, 437 22 TABLE 2 1975 F 01L 925	STORAC STORAC D TWP., SN-1 D TWP., SN-1 U U U U U U U U U U U U U U U U U U U	354,177 4W, SECTIO 5,072,341 34,595 BAR 84,930 19,525 54,768 30,192	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK VANKEE ZEELAND ZEELAND ZEELAND ZEELAND, SEC. 28 CHAN STORICALLY, WITH FE ELOS MATCH SEC. 128 CHAN STORICALLY, WITH FE ELOS MATCH SEC. 128 CHAN STORICALLY, WITH FE ELOS MATCH SEC. 128 CHANDAL AREAS AND A LAC OSE IN MORTHERN MIC. STORICAL THERE MICH.	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICO AFTER NEARBY GE AFTER NEARBY GE REF OISCOVERIES N FOUTDALE, ID HIGAN AND POSSIBLE N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW	DEVEL 1954 1953 1939 1939 1963 1946 1946 1942 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1959 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 12W, S 2,620 N-16E, 945 1,514 2,792 14W, S 1,514 14W, S	SECTIONS 11RS 3 L 1 L CTIONS 21 6 L ECTIONS 22 0 D SECTIONS 20 D SECTIONS 20 D SECTIONS 2 3 L 5 D ECTIONS 2 1 L ECTIONS 2 1 L	20, 28, 3, 32, 3 39, 0 3, 14, 25 2, 11, 1 41,9 20,5 55, 30, 11, 28	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER 11 11 11 11 11 11 11 11 11 11 11 11 11	2,337 , 7N-133 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,215 3,388 3,052 2,215 3,052 2,215 75 OIL 776 OIL 7770 OIL 7770 OIL 7770 OIL 7770 OIL 7770 OIL 7770 OIL 7770 O	7 0 4, SEC 1 AB 2 0 7 AB 1 AB, 1 AB, 1 AB, 1 AB, 1 AB, 1 AB, 5 N-1: 3 AB, 1 S: AND CC PRODUC 5 OIL E OIL TE CUP. TIVE FE OIL TE CUP.	ANDONE ANDONE ANDONE ANDONE ANDONE ANDONE ANDONE SW, SE SW, SW, SW, SW, SW, SW, SW, SW, SW, SW,	2 44 ED 1970 ED 1975 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS I ED 1956 ECTIONS I ED 1956 ECTIONS I ECTIONS I ECTIONS I ECTION FR VE OIL PRODUCTION FR VE OIL PRODUCTION FR VE OIL PLOT	70 300 80 280 400 10 15 33 25,385 11 wction 400 10 10 10 10 10 10 10 10 10	12 16 (TRAVERS 16 (TRAVERS 1, 180, 505 FROM TABLE D 4	47,195 18,498 157,873 157,873 310,085 1,606 E) ZEELAND 4,437 22 TABLE 2 1975 F OIL 925 DRY HOLES	STORAC STORAC D TWP., 5N-1 	354,177 44W, SECTIO 5,072,341 34,595 84,930 19,525 54,768 30,192 84,960*	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK VANKEE ZEELAND ZEELAND ZEELAND ZEELAND, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN CHAN AND ALACAS SEC. 28 CHAN AND ALACAS SEC. 28 CHAN AND ALACAS SEC. 28 CHAN AND RANGE.	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICO AFTER NEARBY GE AFTER NEARBY GE REF OISCOVERIES N FOUTDALE, ID HIGAN AND POSSIBLE N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW	DEVEL 1954 1953 1939 1939 1963 1946 1946 1942 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1958 1959 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- KENT WYOMING TWP., 6N ST. CLAIR ST. CLAIR TWP., OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 12W, S 2,620 N-16E, 945 1,514 2,792 14W, S 1,514 14W, S	SECTIONS 11RS 3 L 1 L CTIONS 21 6 L ECTIONS 22 0 D SECTIONS 20 D SECTIONS 20 D SECTIONS 2 3 L 5 D ECTIONS 2 1 L ECTIONS 2 1 L	20, 28, 3, 32, 3 39, 0 3, 14, 25 2, 11, 1 41,9 20,5 55, 30, 11, 28	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA DETROIT RIVER 11 11 11 11 11 11 11 11 11 11 11 11 11	2,337 , 7N-133 2,255 2,829 3,388 3,388 3,388 3,388 3,388 3,388 3,388 40 TWP 2,215 5,215 75 OIL TAL 197 70 JAL 197 70 JAL 197 71 JAL 197 71 JAL 197 71 JAL 197 71 JAL 197 71 JAL 197 75 GAS	7 0 7 0 7 0 7 8 2 0 7 AB 2 0 7 AB 2 0 7 AB 1 AB, 1 AB, 5N-11 3 AB, 1 AB, 5N-12 5 01L E 01L TE CUP TIVE F CUP TIVE F CUP TIVE F RODUC	0 0 1 I ON J ANDONI ANDONE ANDONE ANDONE ANDONE ANDONE SW, SEE SW, SEE ANDONE SW, SEE ANDONE SW, SEE ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE TION ANDONE	2 4 ED 1970 ED 1970 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS I ECTIONS I ECTIONS I ECTIONS I ECTIONS I ECTION STATISTICS INCLUDE SUBSEQUE FROM TAB FROM TAB	70 300 80 280 10 12 280 10 12 280 10 12 280 10 10 12 280 10 10 10 10 10 10 10 10 10 1	12 16 (TRAVERS 16 (TRAVERS 1, 180, 505 FROM TABLE 0 TABLE 0 THROUGH 7 BARRELS 0 THROUGH 7 BARRELS 0 L	47, 195 18, 498 157, 873 157, 873 310, 085 1, 606 E) ZEELAND 4, 437 41, 406, 568 2 2	STORAC STORAC D TWP., SN-1 D TWP., SN-1 D TWP., SN-1 45 6,185,444 C 13,2 6,185,444 C 13,2 C 4,4 C 29,5 C 61,0 C 76,184, C 76,184,492,5	354,177 354,177 4W, SECTIO 5,072,341 34,595 BAR 84,930 19,525 54,768 20,192 84,960* DB9 MCF 978	788 264 526 DOMESTIC 775 161 N 29 (SA 148	
	WOODVILLE (NORWICH) WRIGHT WYOMING PARK VANKEE ZEELAND ZEELAND ZEELAND ZEELAND, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN STORICALLY MITH FE EUS AS TOWNS, SEC. 28 CHAN CHAN AND ALACAS SEC. 28 CHAN AND ALACAS SEC. 28 CHAN AND ALACAS SEC. 28 CHAN AND RANGE.	REFER TO TABLE 4 "BEREA" TRAVERSE TRAVERSE NIAGARAN REEF "BEREA" TRAVERSE SALINA TRAVERSE SALINA TRAVERSE GES IN FIELD NAME W EXCEPTIONS, MICO AFTER NEARBY GE AFTER NEARBY GE REF OISCOVERIES N FOUTDALE, ID HIGAN AND POSSIBLE N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW N 1971, MOST NEW	DEVEL 1954 1953 1939 1939 1963 1946 1942 1958 1946 1942 1958	NDRWICH TWP., 15 OPED GAS STORAGE OTTAWA OTTAWA WRIGHT TWP., 8N- KENT WYOMING TWP., 8N- ST. CLAIR ST. CLAIR ST. CLAIR TWP., 6N ST. CLAIR TWP., 6N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA ZEELAND TWP., 5N OTTAWA	N-11W, RESERVC 1,170 1,920 13W, SE 1,870 12W, S 2,620 N-16E, 945 1,514 2,792 14W, S 1,514 14W, S 1,514 14W, S	SECTIONS IRS 3 L 1 L CTIONS 21 6 L ECTIONS 22 0 D SECTIONS 20 D SECTIONS 20 D SECTIONS 3 L 5 D ECTIONS 2 1 L CTIONS 2 1 L CTIONS 2 3 L 5 D ECTIONS 2 1 L CTIONS 2 2 D SECTIONS 2 1 L CTIONS 2 2 D SECTIONS	20, 28, 3, 32, 3 39,0 3, 14, 25 2, 11, 1 41,9 20,5 5, 30, 11, 28	29 DETROIT RIVER 3 TALLMADGE TWP. DETROIT RIVER 23 CLINTON NIAGARAN 2, 13, 14 NIAGARAN 31, 32, 36 HOLLA 11 11 11 11 11 11 11 11 11 11 11 11 11	2,337 , 7N-133 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,215 3,388 3,052 2,215 3,052 3,052 3,052 3,052 3,052 3,052 3,055 3,0	7 0 7 0 7 5 1 AB 2 0 7 AB 2 0 7 AB 1 AB 1 AB 5 N-1: 3 AB 5 N-1: 3 AB CO 7 AB 5 O IL E O IL E O IL TE CUP TIVE F COUL 5 COL 4 1975 5 COL 5 C	ONDENS ANDONE ANDONE ANDONE ANDONE ANDONE SW, SE ANDONE SW, SW, SW, SW, SW, SW, SW, SW, SW, SW,	2 44 ED 1970 ED 1975 ED 1975 ED 1967 ED 1967 ED 1962 ECTIONS I ED 1956 ECTIONS I ED 1956 ECTIONS I ED 1956 ECTIONS I ED 1956 ECTIONS I ED 1956 ECTIONS I ED 1957 ED 1967 ED 1975 ED 1967 ED 1968 ED 1967 ED 1968 ET 100 FROM TAB ECTION FR ED 1967 ED 1968 ED 1967 ED 1968 ED 1967 ED 1968 ED	70 300 280 280 400 10 10 10 10 10 10 10 10 10	12 16 (TRAVERS 16 (TRAVERS 1, 180, 505 FROM TABLE 0 4 CTION FROM CTION FROM ABLED FROM HPLETED AS 0 4	47,195 18,498 157,873 310,085 1,606 E) 2EELAND 4,437 41,406,568 2 2	STORAC STORAC STORAC STWP., SN-1 STWP., SN	354,177 4W, SECTIO 4W, SECTIO 5,072,341 34,595 BAR 84,950 54,768 30,192 84,960* 089 MCF 067	788 264 526 DOMESTIC 775 161 N 29 (SA 148	

		1	• 10	TIVE OIL FIELD OR POO		TABLE 4	ф- но	TIVE GAS FIELD OR POOL			74 -	AS-CONDE	NSATE FIF	LD OR POOL		A			
	- POOL CLASSI	FICATION	-				بذ	ANDONED GAS FIELD OR P			ΩD.			ENSATE FIELD	0.0 000	-	STORAGE RESERV		
г		PRODUCING	9 -EF	ANGGAED GIL FIELD OR	T		<u>φ</u> ~	r	<u> </u>	1	X4				TION-BBLS.	T	VELOPED GAS ST	ORAGE RES	SERVG
	FIELD NAME	FORMATION	YEAR	COUNTY TOWNSHIP	DEPTH	PAY ZONE THICKNESS	DIL	DEEPEST FORMATION OR	DEPTH		R OF	WELLS D. ACTIVE	DRILLED	PRODUCED	CUMULATIVE	GAS PRODUCED	CUMULATIVE	RECOVERY PER ACRE	849
	FILLO NAME	OR POOL	DISC.	PRODUCING SECTIONS	IN FEET	AND	GRAVITY	POOL TESTED	FEET	END I		AT END	ACRES	IN 1975	THROUGH 1975	IN 1975	THROUGH 1975	DRILLED (BBLS.)	PE
+	AUSTIN	MICHIGAN STRAY	1933	MECOSTA	1,380	14 S		DETROIT RIVER	4,043	10	T	91	3,970	.,,,,			6,109,033	<u> </u>	+
4	AUSTIN	Information Street					3 4	9, 10, 11, 12, 13	14 0		1			NS 37 33	MORTON TWP	1 14N-8W	<u> </u>	1.	<u> </u>
2		SALINA-NIAGARAN	N 1961	ST. CLAIR	2,215		51 11	CLINTON	2,694	0	_	43	840		1,212	1	23,977,840		Т
-+	BELLE RIVER MILLS	SALTHA-NTADARAN	1.301	1			14 3		<u> </u>		<u> </u>		1		L	L	J	<u> </u>	1
2				CHINA TWP., 4N-1	1.390	10 S	14, 1	SYLVANIA	5,090	0	0	66	2,400	[7,382,794		1
-+	COLDWATER	MICHIGAN STRAY	1945	ISABELLA	1			ROUGH 33 SHERMAN	i				2,400			I	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	J
2				COLDWATER TWP.,	101-08,	SECTIONS	20 11	KOUGH 55 SHEKHAM	TWP., 1	54.04.	SECTI								
2					T			1			1	1 00	1 220		r	1	13,331,738		Τ
-+	COLUMBUS	SALINA-NIAGARAN	N 1964	ST, CLAIR		190 D		CLINTON	3,232	0	0	20	320		I	1	15,551,750	1	1
		SALINA -NIAGARAN	N Luci	COLUMBUS TWP., 5			15, 16		2 41.7	20 0	1.0	1 25	E 20		1	1	16,287,759	1	
₽ļ	COLUMBUS, WEST	REEF	1967	ST. CLAIR	3,183	14+ D	ĺ	CLINTON	3,447	29 0	0	25	520			<u> </u>	10,207,755	1	1
2				COLUMBUS TWP., 5	N-15E,	SECTIONS	7, 17,	18							1			T	
Ð	CRANBERRY LAKE	MICHIGAN STRAY	1943	CLARE -MISSAUKEE	1,321	10 S	100 L	RICHFIELD	5,201		0	171	7,000	TWP 20N-	W SECTION	1 2 3	7,537,451		
D				CLAM UNION TWP.	21N-6	V, SECTION	IS 25,	5, 6, 7, 8, 9, 15, 34, 35	10, 17	, 10,									
D													,		,				<u>т</u>
Ð	CROTON	MARSHALL	1951	NEWAYGO	917	4 S		SALINA	3,993	3	0	60	860		<u> </u>		1,320,835	<u>×</u>	1
С				CROTON TWP., 121	N-11W, 3	SECTIONS	29, 32												
Ð	FREEMAN-LINCOLN	MICHIGAN STRAY	1938	CLARE	1,500	10 S		DETROIT RIVER	3,957	24	0	171	6,600			<u> </u>	18,099,490	1	
5				LINCOLN TWP., 18	3N-5W, S	SECTIONS 7	, 16,	17, 18, 19, 20, 21	, 27, 2	8, 29	FREEM	IAN TWP	, 18N-6	W, SECTION	S 2, 3, 4,	9, 10, 11,	13, 14, 15	, 23, 2 ¹	4
Ð	FOUR CORNERS	SALINA-NIAGARAN	N 1966	ST. CLAIR	2,205	212 D		CLINTON	2,638	C	0	5	80				1,102,328	3	
5				CASCO TWP., 4N-1	ISE, SEA	CTION 36	IRA TW	P., 3N-15E, SECTIO	/N T										
Ð	GOODWELL	MICHIGAN STRAY	1943	NEWAYGO ·	1,142	20 S		DETROIT RIVER	3,562	C		65	3,020				5,875,670)	
5		-h		GOODWELL TWP., 1 MONROE TWP., 151	14N-11W	SECTIONS	5, 6,	7, 8, 9, 16, 17	WILCOX	TWP.,	14N-12	W, SECT	FION 1	NORWICH TW	P., 15N-11V	I, SECTION	31		
5				,															
-+	HAMILTON, NORTH	MICHIGAN STRAY	- 1952	CLARE	1,487	8 S		RICHFIELD	5,395	C	0	62	3,040				5,450,065	;	
5		THENSIGE		HAMILTON TWP.,	19N-3W,	SECTIONS	5, 6,	7, 8 HAYES TWP.,	19N-4W	SECTI	ON 1	FROST	ſ₩₽., 20	N-4W, SECT	10NS 35, 36	5			
	HESSEN	NIAGARAN REEF	1965	1	2,499	T	1	NIAGARAN	2,887	0		16	640	4,425			11,467,482	2 180	T
2							3. 10.	11 COLUMBUS TWP.	, 5N-1	E, SEC	TIONS	34, 35		·					
- 1	HOWELL	SALINA-NIAGARA	N 1935	T	3,920		1	ST, PETER SS.	5,958	1	1	69	2,400		1	T	23,678,120	0	T
2		1			1	L	5, 7, 8	3, 17 MARION TWP.,	2N-4E	SECTI	ONS 1,	, 2, 12	HOWELL	TWP., 3N-	4E, SECTIO	N 35	-h		-
Ð	IRA	SALINA-NIAGARA	N 1953	ST. CLAIR	2,276	1	T	CLINTON	2,632	0	1	15	680		1	1	3,498,666	6	Т
_				IRA TWP., 3N-15	F. SECT	1 1 ONS 1. 2	11				1.		.1		J	1	-d		_ _
2																			
Ð	LACEY STATION	A-2 SALT	M 1971	BARRY	Т		1	CAMBRIAN		2 1		2	T		1	Т		T	Τ
2	Chock Charles	SOLUTION CAVER	N	JOHNSTOWN TWP.,	1M-8W	SECTION	1 1.L			I			1	L	1				
<u> </u>		SALINA -NIAGARA	M	CALHOUN	3,200	1	1	T	1	1 (0 0	1				T	1	T	Τ
€ €	LEE 16						30. 19) 973. INCLUDES SE‡	AND Sh			N 16, N	W OF SW	1 AND W1 SV	I SWL OF SE	L	r.1s, 5W	1	
<u> </u>		SALINA-NIAGARA	1	T	2,734	46 D	1	CLINTON	3,018		0 0		300	1	2,565		2,152,679	9	Т
Ð	LENOX	SALINA-NIAGARA	1900			1		ERFIELD TWP., 3N-14		l.	<u> </u>			L		<u> </u>		1	_
2	MARION	MICHIGAN STRAY	1940	1	1,344	1		SYLVANIA	5,100		0	283	10,720	Γ	1	T	20,084,93	4]	T
Ð	(WINTERFIELD)	PICHIGAN SIKAY	1940				UNS 17	THROUGH 21, 27 THR 36 MIDDLE BRANCH							1, 3, 4, 6	<u> </u>	1	<u>له</u>	_ <u></u>
2							4, 25,	36 MIDDLE BRANCH	ſWP.,	19N-7W	SECT	ION 1							
Ð	MARYSVILLE	SEE FOOTNOTE F		STORAGE FIELDS ON		T	1	CLINTON	3,039		0 0	7	280		1	1	8,886,64	7	Т
€	MUTTONVILLE	REEF	1966	MACOMB	- <u>-</u> -	194 D	ł		1,,0,5	[L				<u> </u>	1
2		TRENT	1	LENOX TWP., 4N-	1	1		CAMBRO-ORDOVICIA	NE Pro	<u> </u>	1	69	2,825+	1	1		18,126,87	6	Т
Ð	NORTHVILLE	BLK. RIVER	1954				L		19,050		<u> </u>		1 2,023+]	1	L	INCLUDES	BOTH SAL	
2				FOR LOCATION SE	E NORTH	VILLE, ÍA	DLE Z										NIAGARAN	5 TRENTO	JN G
C							1	Leven	Tr		<u> </u>		2 (00	r	1	T	5,350,85	6	Τ-
₽	ORIENT	MICHIGAN STRAY	1945		1,508	<u>}</u>	L	SYLVANIA	5,307		0 0	-	2,600				2,250,05	۳	
2			1	1		1	, 3, 10 T	0, 11, 12, 13, 14	3	3	1		1	1		1	he are at	<u>.</u>	Т
Ð	OVERISEL	SALINA	1956		2,650	L	1	TRENTON	4,060		0 0	-	6,660	l		1	14,645,04	<u>۲</u>	
2					1	1	4, 5,	8, 9, 10, 14, 15,	1		_		- <u></u>	1	·		1		
Ð	PARTELLO	SALINA A-1 CAR	RB. 1959	CALHOUN	3,192	30 D		TRENTBLK RIVER	4,905		0 0	5	200	I	1	1	1,695,32	4	
2				LEE TWP., 1S-5W	, SECTI	ONS 12, 1	3							1 011 2005	UCTION COM-				1
Ð	PUTTYGUT	SALINA-NIAGARA	AN 1960	ST. CLAIR	2,423	60 D		NIAGARAN	2,774		0 0	25	440	BINED WI	TH ADAIR	1	11,260,48	<u> </u>	
С				CASCO TWP., 4N-	15E, SE	CTIONS 11	, 14,	15											
С																		<u></u>	
Ð	RAY	SALINA-NIAGARA	AN 1961	MACOMB	2,945	101 D		NIAGARAN	3,273		0 0	47	660		1,689		35,203,22	8	
				RAY TWP., 4N-13	E, SECI	TIONS 1, 2	, 11	ARMADA TWP., 5N-13	E, SECT	10N 36									
Э	REED CITY	MICHIGAN STRAY	Y 1940	T	1,217	1		ST. PETER SS.	8,960	1	0 0	103	4,880				7,642,24		
О Э		REED CITY	1941		3,585	7 0	-		1		4 0	195	COMBI TO TA	NATION GAS BLE 5 FOR	STORAGE AN	D SECONDAR DETAILS	Y RECOVERY	PROJECT	- F
Ð							4	4		۰ L	I								
Ð				LINCOLN TWP., 1	8N-10W,	SECTIONS	8, 9,	16, 17, 18, 19, 24	0, 21,	29, 30	, 31,	32 PIN	IORA TWP	., 10%-11₩	, SECTIONS	24, 25	·		-
B C C				LINCOLN TWP., 1	8N-10W,	SECTIONS	8, 9,	16, 17, 18, 19, 2	0, 21,	29, 30	, 31,	32 PIN	IORA TWP	., 1014-1114	, SECTIONS	24, 25			
Ð	RIVERSIDE	MICHIGAN STRAY			18N-10W,	1	8, 9,	16, 17, 18, 19, 24	3,953	,	, 31, 0 0		10RA TWP 3,680		, SECTIONS		5,188,48	:1	

POOL CLASSIF	FICATION	Š		VE GIL FIELD OF FOOL DOVEL OIL FIELD OF F			1	STIVE GAS FIELD OF F BANDONED GAS FIELD C			T.			LD OR POOL ENSATE FIELD	05 P00L	-	STORAGE RESER		SEPV078
FIELD NAME	PRODUCT FORMATIC	ON YE	AR F	COUNTY TOWNSHIP	DEPTH	PAY ZO		DEEPEST FORMAT	ON DEPTH	NUM	BER OF	ELLS	ORILLED		TION-BBLS		CTION - Moria	RECOVERY PER ACRE	
FICLU NAME	OR POOL		00	PRODUCING SECTIONS	DEPTH IN FEET	AND	S 01L GRAVIT Y A.P.I.	Y POOL TESTED	FEET	TO C END	OMP. AEAN IN IN 1 9 7 5	5. ACT 14 57 EX	ACRES	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	PRODUCED IN 1975	CUMULATIVE THROUGH 1975	DRILLED (BBLS.)	SPINE PER DAY
ίν.	SALINA	19	37	ALLEGAN	2,725	· · · · · ·	1	TRENTON	3,792	÷	0 0	57	4,960	()()	2,973	1375	11,310,698	<u> </u>	
				SALEM TWP., 4N-13	W, SEC	TIONS 2	3, 9,	10, 11, 12, 14.	15, 16, 1	7, 21	, 22, 2	B JAM	STOWN T	/P., 5N-13V	, SECTIONS	34, 35			1
VER (NER-NEW HAVEN)	MICHIGAN ST	RAY 19		GRATIOT-MONTCALM		11 S		DUNDER	3,536	1 i	0 0	49 -4W. S	3,920	31, 32, 33			11,114,906		
LAKES	MICHICAR			NEW HAVEN TWP., CRYSTAL TWP., 10M ISABELLA-MECOSTA- MONTCALM	1-5W,	SECTIONS		1		-5W, S	ECTIONS	22, 3	6	51, 52, 55	, ,4	1			
LANES	MICHIGAN S	IRAT 115		MONTCALM ROLLAND TWP., 13M BELVIDERE TWP., 1				DETROIT RIVER	3,790 N-8W, SE		3 0	271	11,480 MILLBR00	K TWP., 13	N-7W, SECT	IONS 27 THR	51,604,719 ROUGH 36	9	
N CREEK	SALINA-NIAC	SARAN 19			2N-7W			, 3, 4, 5, 6, 8, CLINTON	2,638		0 0	, 16,	17, 18,	20, 21		1	409,352		1
		I		CASCO TWP., 4N-15	E, SE	I									1	I		1	
FIELD	MICHIGAN ST	TRAY 19	935	MONTCALM	1,125	8 s		DETROIT RIVER	3,405		0 0	78	3,240			-	4,836,132	2	
	······			WINFIELD TWP., 12	2N-9₩,	SECTION	s 6, 7,	8, 16, 17, 18 P	EYNOLDS	TWP.,	12N-10W	, SECT	10NS 1,	12					
DVILLE(NORWICH)	MICHIGAN ST	TRAY 19		NEWAYGO	1,185	l		DETROIT RIVER	3,405		0 0	46	2,240				2,683,259)	
				NORWICH TWP., 15M	I-11₩,	SECTION	s 16, 1;	7, 20, 21, 28, 29		-			,			1		T	
4											TOTALS		92,015	4,425	123,624	308,534	3 73,602,891	1	
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MOST GAS STOR	ACE RESERVOI	DC WEDE	08.1.0.1	NALLY										CEV 574710					
MOST GAS STOR CLASSIFIED AS DEPLETION OR 1	GAS FIELDS NEAR DEPLETE	OR POOLS	. UF TIVE	ON									LA FC IN	CEY STATIO R THE BATT A CAVITY	N. THIS I LE CREEK G WASHED FROM	5 A DRY-GAS AS COMPANY. M SALINA A-	S STORAGE PI GAS IS SI 2 SALT BEDS	ROJECT TORED S AT A	
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	75 UNTE CUMULATIVE 1-1-76	NO. BARRELS SALES BARRELS WELLS OIL MCF GAS WATER	ю	51 (P) 6,578,659 18,670,641 3,3 (S) 4,253,492	4 (P) 180,188 NONE (S) 28,507	NONE 4	(P) 345,860 NONE (S) 23,576	20 (P) 2,780,908 NONE (S) NONE	7 (P) 1, 100, 193 NONE	72 (P) 5,800,000 8,947,095 1.8 (S) 4,243,690 8,947,095 1.8	19 (P) 1,925,000 1,262,215 (S) 1,012,592 1,262,215	11 (P) 900,000 NONE (S) 773,527 NONE	3,895,865 3,5	1,109,639	NONE 2	(P) 2,703,000 2,320,843 (S) 183,239 2,320,843	164 (P)39,294,000 16,257,876 172,2 (S) 2,677,514	44 (P) 3,554,944 6,188,487 3	12 (P) 1,060,652 979,850 (S) 27,874	830,788	43 (P) 3,760,000 10,656,089 (S) 1,567,807	7 42 (P) 3.382,176 NONE 1,600,594
	UNIT PRODUCTION IN 1975	LLS SALES WATER MCF GAS PRODUCED	156,989	130,896 42	NONE	NONE		NONE		556,941	120,038	0 NONE	112,573 4	6	NONE	747,723	NONE 1,6	10,000 120,240 39,785 95.275	4,000 9,629 3,650 8.756 9,629 3,650		325,792	20,000 NONE 397,66
RECOVERY OPERATIONS	CUMULATIVE VOLUME OF INJECTED FLUID	GAS BARRELS BARRELS WATER 01L	1,036,763	57.	638,456	1,085,131 (P	1,638,060 (P	18,941 (P	2,333,043 (P)	-		3,007,467 (P)	14,551,076 (P) (S)16	571.337 (P) (S)	2,714,865	NONE 5,667,117 (P)813,522 (S)183,239	152,351,452 (P) (S)2	NONE 5,424,663 (P) 10 (S)195	NONE 1,524,985 (P) 4 (S) 8	NONE 1,675,699 (P) N (S) 55	10,427,737 (P)	NONE 3.997.755 (P) 20
	1975	BARRELS INJ. MCF WATER WELLS	5	5,528,095 58 NC	3	+	187,350 1 NC	18,382 2 WTR 380,060 1 GAS	-	26 1	1,41	174,630 3 NC	880,660 17 NC	2	-		1,658,013 8 WTR 40,545,974		284,714 9 NO	219,000 5 NG	850,795 41 3,151,610	924, 917 31 NC
ES SECONDARY	TI ON VOLUME OF	JRE MCF GAS	VE NONE	NONE	526			VE 318, 263	WATER NONE	\$ 475	6		MATER NONE	NE NONE	NONE	NONE	PRODUCED BRINE - WITHDRAWN EXTRANEOUS GAS 770.397		WATER NONE		RECYCLE GAS & IDISCONT. FRESH WTR VACUUM 1957	1
TABLE		ACRES PRESSURE	400 BRINE 1000	4680 FRESH WATER 2100-2400	480 FRESH WATER SHUTDOWN IN	440 BRINE 2225	250 FRESH WATER VACUUM	840 BRINE VACUUM	680 FRESH WATER 2650	4880 RECYCLE GAS & FRESH WTR 2475	1320 RECYCLE GAS & FRESH WTR 2500	480 FRESH WATER 2300	1800 FRESH WATER	130 BRINE VACUUM	720 FRESH WATER 2453	1760 BRINE 1100	5000 PRODUCE	4600 FRESH WATER	1560 FRESH WATER	320 FRESH WATER	3920 RECYCLE	2730 BRINE
	PAY ZONE	THICK DEPTH	110	1. 17 4400	2 3876	13 3510	30 3800	3. 49 3105	1. 15 5048	14 4640	1. 16 4405	1. 10 5039	1. 12 5145		13 4946	3. 75 3784	21 3585	i. 9 4125	4. <u>8</u> 4125	H. TO 4150		28 2650
	DISC. YEAR	YEAR PROJECT RFGAN FORM	1	1947 R1CH	1943 DD.	1937 DD.	1960 NIAG	1968 NIAG	1951 RICH	1942 RICH	1943 RICH	1956 RICH	1952 RICH	1964 BLK.	1	1971 NIAG.	1940 DD.	1945 RICH	1951 RICH	1952 RICH.	1941 RICH	1933 DD.
	COUNTY OPERATOR	PROJECT	UNIT (1)UWF	K ASKA CO		DEE (4)UWF	(5)UWF	UNIT (5)URGEWF	ÄKE (4)UWF	CH (5)URGEWF	(5)URGEWF	(5)UWF	(5)UWF	(6)UWF	(2) UWF	0 UNIT (1) UWF	A CO (8)GSOR	(9) UWF	CENTRAL (9)UWF	WEST (5)UWF	(5) URGEWF	1. (6)UWF
	FIELD AND COUNTY		AURELIUS 35	BEAVER CREEK	BEAVERTON, WES	BENTLEY DUNDER	BERLIN ST CLAIR CO	COLUMBUS 3 UN	CRANBERRY LAK	EAST NORWICH MISSAUKEE CO	ENTERPRISE MISSAUKEF CO	GROUT GLADWIN CO	HAMILTON	HASKELL UNIT	HEADQUARTERS BOSCOMMON CO	ONONDAGA TO UN	REED CITY*	ROSE CITY	ROSE CITY, CENTRAL		ST. HELEN	WEST BRANCH

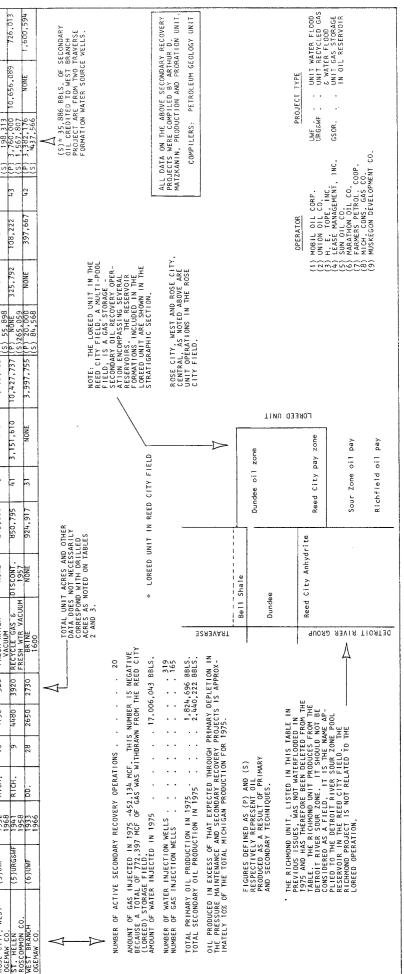


	TABLE 6. GAS	PLANT OPER	ATIONS BY	PLANT OR F	FIELD, 197	5 (All figur	es in MCF)	
Plant or Field	Input Totals	Plant Fuel	Lease Fuel	Line Loss	Vented	Extraction Loss	Sales To Pipe Line	L.P.G. Recovery Gallons
*Albion-Scipio	10,000,019	990,140	0	283,472	0	834,985	7,891,422	25,038,062
Aurelius	4,972,438	366,173	10,858	28,811	25,711	474,869	4,066,016	12,879,908
*Beaver Creek	260,360	11,280	119,093	0	0	16,732	113,255	149,900
Chester	1,615,308	97,526	0	5,000	2,508	79,076	1,431,198	4,179,752
Eaton Rapids (1)	2,129,693	24,995	0	327,212	0	7,118	1,770,368	260,652
*Hamilton	174,106	11,972	40,591	0	0	13,440	108,103	336,300
Kalkaska (Amoco)	29,214,725	416,836	0	150,347	7,069	1,181,424	27,459,049	40,307,433 (2)
Kalkaska (Shell)	45,133,959	1,256,086	0	66,622	0	5,593,162	38,218,089	128,318,106 (2)
Leonard	1,353,469	174,730	0	0	96,775	34,418	1,047,546	1,405,764
*Norwich	838,193	88,024	90,388	0	0	0	659,781	0
Reed City	15,369,068	210,294	0	0	0	185,375	14,973,399	6,011,971
*St. Helen	471,512	49,857	0	0	0	29,218	392,437	0
Totals	111,532,850	3,697,913	260,930	861,464	132,063	8,449,817	98,130,663	218,887,848

*Receives and processes oil well gas only.

(1) Plant operations ceased in 1975.

(2) These LPG figures include stabilized condensate.

NOTE: The above table is the record of plants which are serving oil field operations, or which are extracting natural gas liquids from designated dry gas fields.

All data from Production and Proration Unit records.

MICHIGAN OIL REFINERIES

COMPANY	REFINERY LOCATION	NOMINAL CAPACITY* BBLS. DAY
Bay Refining, Division Dow Chemical Company	Bay City	17,000
Crystal Refining Company	Carson City	6,200
Lakeside Refining Company	Kalama zoo	5,600
Total Leonard, Inc. (Leonard Division)	Alma	42,182
Marathon Oil Company	Detroit	65,000
Osceola Refining Company	West Branch	9,500

Total Refinery Capacity

145,482

AVERAGE DAILY AMOUNT OF CRUDE REFINED (Bbls.)-ALL REFINERIES

Michigan produced crude	46,451
Out-of-State produced crude	67,560
Total Daily Average	114,011

*Individual refinery operating rates may be less or slightly more than nominal rates shown.

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 "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. Cumulative oil and gas production by county is shown on a separate table. Refer to Part 1 for county production figures for the past year, and prior issues for previous years.

CUMULATIVE WELL COMPLETIONS. These tables show the cumulative number of yearly completions in a county. Well density figures include field development wells, exploratory wells, and service wells of all types.

DRILLING PERMITS, WELL COMPLETIONS, FIELDS DIS-COVERED. These tables show the number of drilling permits issued by year from 1927 through the most recent year-end compilations. Initial 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 other than for individual fields were discontinued in 1968. These tables listed the reported amount of produced brine and the method of disposal from 1937 up to 1967. Most oil field brine is still 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 of in burning pits.

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 facil-ity 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.

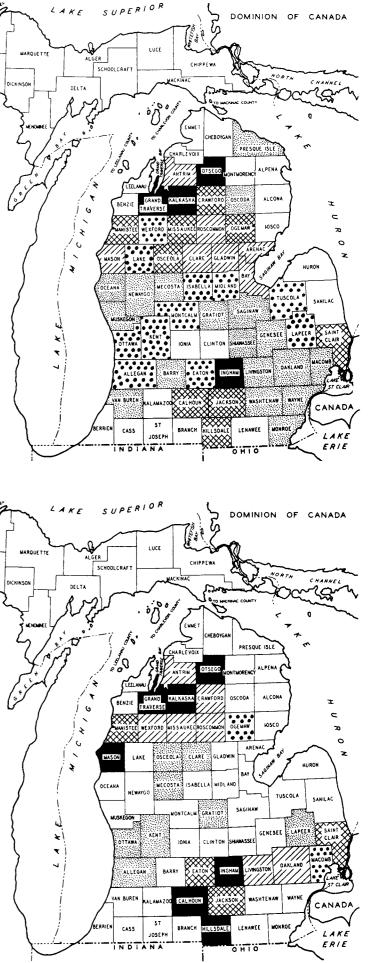
Injection and Pressure Maintenance Wells. These are wells used in secondary recovery, or pressure maintenance projects. They may be new wells drilled specifically for injection or pressure maintenance, or they may be converted oil or gas wells; their status can change from time to time.

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" do not include oil or gas wells converted to service wells.

TABLE 7	CUMULATIVE OIL AND GAS PRODUCTION BY COUNTY TH	ROUGH 1975 VE PRODUCTION	LAKE HOUGHTON
COUNTY	Barrels Oil	MCF Gas	
llegan htrim	19,724,768 242,901	32,810,842 1,525,572	GOODEDIC BAR
enac	46,535,701	6,722,140	
ry	717,986	0	WISCONSIN
/	20,512,371	7,857	Marca Marca
rien	29,757	0	1975 AVERAGE DAILY OIL PRODUCTION
houn s	33,736,240 102,754	65,229,583	ВҮ
re	34,634,410	0 58,988,600	COUNTY
nton wford	4,121 9,505,922	0 15,743,285	See page 54 for 1975 production figures
con	280,909	3,786,111	
esee	369,189	0	
dwin nd Traverse	34,411,526 3,151,952	9,834 35,576,228	under 100
tiot	1,144,726	13,900,007	Daily Oil Production
lsdale	54,614,920	67,433,901	Range in barrels
on	61,324	07,433,901	
ham	7,418,601	17,357,955	501-1,000
ia	48,479	0	1,001-5,000
bella	52,039,506	35,143,797	
kson	24,325,850	34,161,131	• over 5,000
amazoo	28,519	0	
aska	10,960,271 9,907,840	77,788,739	
		3,797,429	
e er	1,226,275 803,593	182,438	
wee	7,071	374,251 155,983	
ingston	4,255	25,589,223	
omb	55,053	51,758,051	
istee on	1,057,677 5,092,706	1,957,137 5,455,628	
osta	10,859,459	27,271,346	L A K E HOUGHTOM
land Saukee	68,888,468 18,493,357	9,834,775 18,571,974	
roe	732,814	0	and constant
tcalm tmorency	18,412,496 7,735	57,028,265	W S C C III IRON
kegon	8,014,178	9,759,137	WISCOWSIN
aygo	8,814,363	13,132,198	1975 AVERAGE DAILY GAS PRODUCTION
and	33,323	2,295,122	BY COUNTY
ana	15,437,703	1,132,363	
naw 201a	19,409,394 57,974,851	9,831,828 42,147,889	These figures are actual gas sales in Mcf See page 56 for 1975 production figures
oda	59,747	0	See page 56 for 1975 production rightes
ego awa	14,851,509 9,249,084	25,494,412 2,949,310	
sque Isle			
common	4,748	0	under 500
	15,052,331	14,774,983	
inaw awassee	2,554,304 48,513	0	501-1,000
Clair	13,236,330	155,793,949	Daily Gas Production (sales) Range in Mcf
cola	2,774,072	0	Range in Mct 1,001-5,000
Buren	12,073,382	0	5,001-10,000
ntenaw			
ne	915,556	11,464,977	over 10,000
ford Counties		2,767,831	
	12,073,382 171,805	0 7,019,944 11,464,977	5,001-10,000

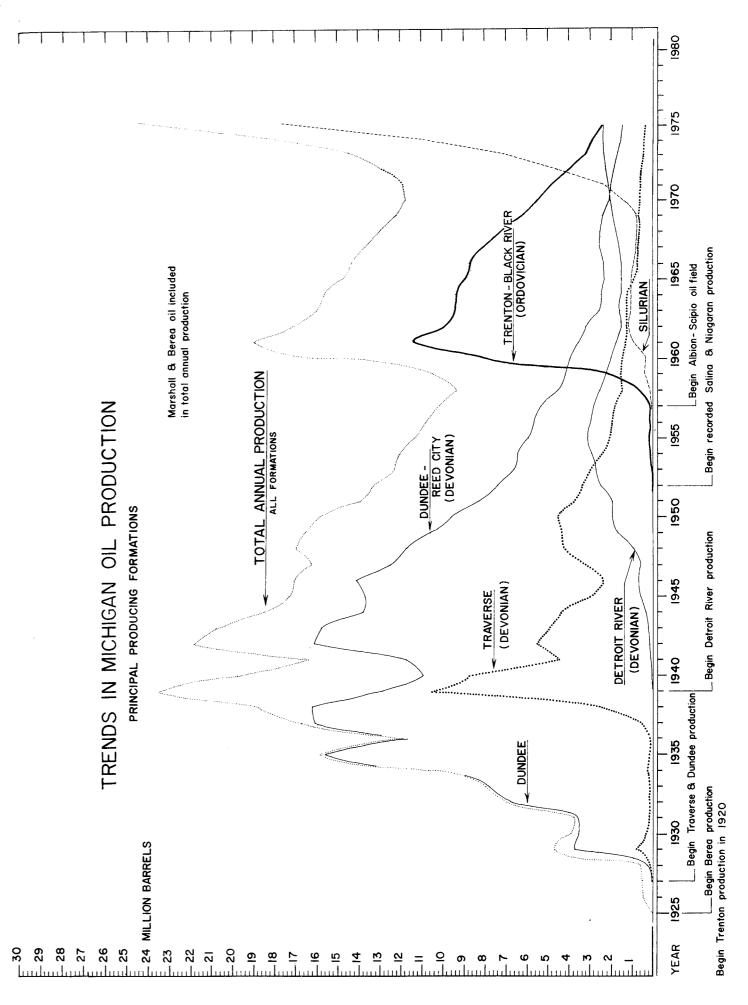
**Includes 18,097 barrels of oil
from miscellaneous fields.

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

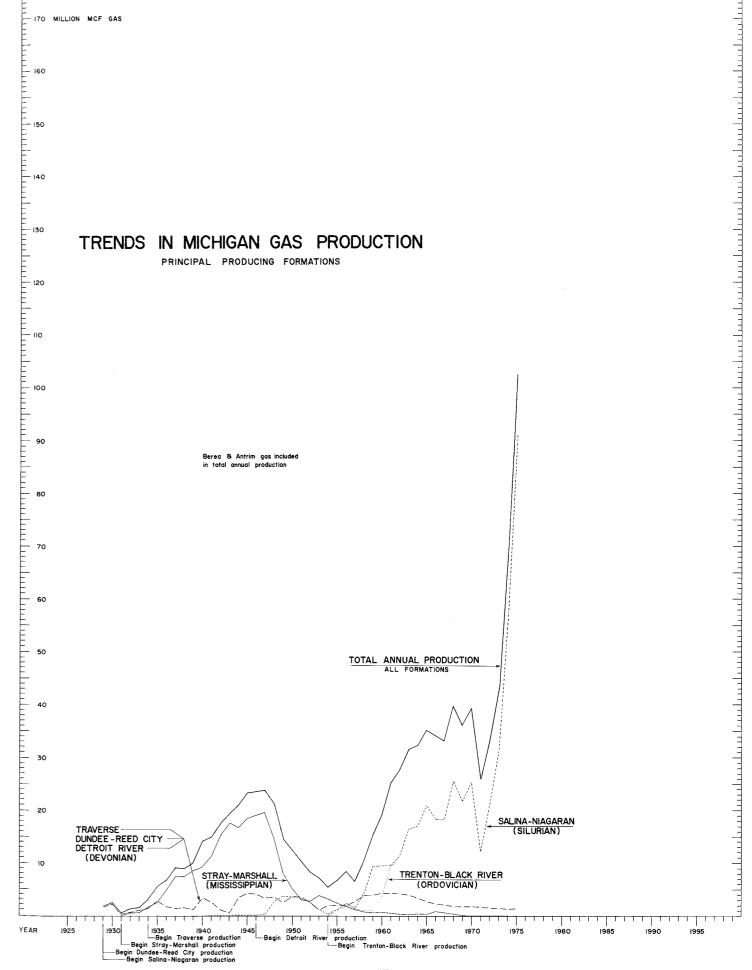


		ABLE 8 OIL F lude estimates	for multiple	Day wells and	1 AND FORMATI	ON - 1975 AND PR an accurate brea	IUR YEARS	vailable
	MISSISS	SIPPIAN	ior marerpre	DEVONIAN	reases mien	SILURIAN	ORDOVICIAN	Variable
YEAR	Marshall	Berea	Traverse	Dundee- Reed City	Detroit River	Salina- Niagaran	Trenton- Black River	Total Barrels Oil All Formations
	1938	1925	1927	orded Oil Produ 1927	101 Dy For 1939	mation 1952	1935	ATT FORMACIONS
1925 Through 1929		876,559	873,777					5,767,787
1930 Through • 1934	(Cumulative-5		995,439)	31,870,671			•••••	33,184,281
1935 Through 1939	7,411 (Cumulative-5		13,814,816)	72,339,293	14,000		43,565	86,529,398
1940 Through 1944	22,040 (Cumulative-5		27,856,377)	67,939,211	727,418		348,477	97,122,785
1945 Through 1949	17,283 (Cumulative-5		16,914,771)	62,438,443	4,302,309		106,510	83,946,003
1950 Through 1954	9,068 (Cumulative-5		16,974,863)	38,058,703	11,878,669	43,091	225,180	67,314,663
1955 Through 1959	8,183 (Cumulative-5	110,639 year interval	8,788,785)	25,618,934	13,716,790	568,085	3,108,341	51,920,757
1960 Through 1964	6,090 (Cumulative-5	84,222 year interval	6,777,853)	15,725,957	8,260,636	4,611,123	48,022,216	83,488,097
1965 Through 1969	5,293 (Cumulative-5	113,898 year interval	3,831,321)	12,186,197	8,387,775	4,195,694	39,132,615	67,852,793
1970 Through 1974	4,553 (Cumulative-5	97,444 year interval	2,669,026)	9,115,667	10,992,939	25,986,136	20,288,822	69,174,372
1975	930	21,702	435,364	1,487,417	2,377,358	17,604,834	2,492,270	24,419,525

Marshall & Berea oil included in total annual production TOTAL ANNUAL PRODUCTION ALL FORMATIONS TRENDS IN MICHIGAN OIL PRODUCTION PRINCIPAL PRODUCING FORMATIONS



	ÇENOZOIC	MISSISS	IPPIAN		DE VO			75 AND PRIOR SILURIAN	ORDOVICIAN	
YEAR	Glacial Drift	Stray- Marshall	Berea	Antrim Shale	Traverse	Dundee- Reed City	Detroit River	Salina- Niagaran	Trenton- Black River	Total MCF Gas All
	1949	1931	1936	<u>Year of R</u> 1947	ecorded Gas 1934	Production 1929	by Formation 1946	on 1929	1954	Formations
1925 Through 1929	(Cumulative	-5 year int	erval)		•••••	1,887,732	••••			1,962,599
1930 Through 1934	 (Cumulative	3,001,963 -5 year inte	 erval)		3,744	6,034,206	••••	61,578		9,101,491
935 hrough 939	 (Cumulative	30,769,471 -5 year inte	1,391,076 erval)		69,894	8,862,165	••••	6,331		41,098,937
1940 Through 1944	 (Cumulative	70,498,989 -5 year inte	5,860,831 erval)		3,716,132	7,647,510		79,983		87,803,445
1945 Through 1949	8,020 (Cumulative	80,217,680 -5 year inte	1,467,460 erval)	52,495	1,414,004	15,710,636	793,763	7,393,744		107,057,802
1950 Through 1954	0 (Cumulative	18,033,449 -5 year inte	916,202 erval)	55,626	1,913,497	5,361,578	6,997,257	11,316,082	10,725	44,604,416
955 hrough 959	0 (Cumulative	6,834,419 -5 year inte	148,085 erval)	56,686	266,623	2,287,066	12,539,252	20,117,524	6,609,393	48,859,048
960 hrough 964	0 (Cumulative	2,874,824 -5 year inte	42,020 erval)	156,485	876,356	1,117,064	19,252,334	66,799,392	45,443,994	136,562,469
965 hrough 969	0 (Cumulative	2,636,857 -5 year inte	814,223 erval)	220,305	454,198	150,659	10,649,603	106,149,601	57,253,914	178,329,360
970 hrough 974	0 (Cumulative	157,966 -5 year inte	391,050 erval)	760,309	265,850	219,781	8,342,041	148,999,929	53,573,311	212,710,237
975	0	70,370	84,591	136,853	0	2,475	1,457,146	91,142,482	9,784,250	102,678,067



						FORMATION - 19		
	hese data incl MISSISSI	ude estima	tes for multip	le pay wells a DEVONIAN	ind leases whe	n an accurate SILURIAN	breakdown was ORDOVICIAN	not available
Y E		FF IAN	· - · · · · · · · · · · · · · · · · · ·	Dundee	Detroit	Salina-	Trenton-	-
Â	Marshall	Berea	Traverse	Reed City	River	Niagaran	Black River	Total Barrels Oil - All Formations
R	1000	Fi	rst Year of Re	corded Oil Pro	duction by Fo	rmation	1005	- ALL FORMALIONS
	1938	1925	1927	1927	1939	1952	1935	
1925 Through . 1929	 (Cumulative-5		873,777 rval)	4,017,451				. 5,767,787
1930 Through . 1934	(Cumulative-5		1,869,216 rval)	35,888,122	•••••			. 38,952,068
1935 Through 1939	7,411 (Cumulative-5	1,505,043 year inte	15,684,032 rval)	108,227,415	14,000		43,565	125,481,466
1940 Through 1944	29,451 (Cumulative-5	1,734,305 year inte	43,540,409 rval)	176,166,626	741,418		392,042	222,604,251
1945 Through 1949	46,734 (Cumulative-5	1,900,992 year inte	60,455,180 rval)	238,605,069	5,043,727	,	498,552	306,550,254
1950 Through 1954	55,802 (Cumulative-5	2,026,081 year inte	77,430,043 rval)	276,663,772	16,922,396	43,091	723,732	373,864,917
1955 Through 1959	63,985 (Cumulative-5	2,136,720 year inte	86,218,828 rval)	302,282,706	30,639,186	611,176	3,832,073	425,784,674
1960 Through 1964	70,075 (Cumulative-5	2,220,942 year inte	92,996,681 rval)	318,008,663	38,900,822	5,222,299	51,854,289	509,273,771
1965 Through 1969	75,368 (Cumulative-5	2,334,840 year inte	96,848,002 rval)	330,194,860	47,288,597	9,417,993	90,986,904	577,126,564
1970 Through 1974	79,668 (Cumulative-5		83,788,468 rval)	311,232,618	102,632,670	35,417,637	111,307,955	646,555,321
1975	80,598	2,442,977	104,909,422	335,513,416	61,197,257	53,052,303	113,800,446	671,084,960

Some formations show a loss in cumulative production from 1973 to 1975. This is due to recently initiated changes in the method of crediting production to each respective formation in multiple-pool fields.

Y	CENOZOIC	MISSISS	IPPIAN		DEV	ONIAN		· · · · · · · · · · · · · · · · · · ·	SILURIAN	ORDOVICIAN	
E	Glacial Drift	Stray- Marshall	Berea	Antrim Shale	Traverse	Dundee- Reed City		etroit River	Salina- Niagaran	Trenton- Black River	Cumulati MCF All
A		Haronari	Firs		Recorded Gas					· · · · · · · · · · · · · · · · · · ·	- Formatio
R -	1949	1931	1936	1947	1934	1929		1946	1929	1954	
925 hrough 929	(Cumulat	tive-5 year ir	nterval) .			1,887,732	•••		74,867		1,962,5
930 hrough . 934		3,001,963 . tive-5 year ir			3,744	7,921,938			136,445		11,064,0
935 hrough . 939		33,771,434 tive-5 year in			73,638	16,784,103	••		142,776		52,163,0
940 hrough . 944	 (Cumulat	104,270,423 tive-5 year in	7,251,907 nterval)		3,789,770	24,431,613			222,759		139,966,4
945 hrough 949		184,488,103 tive-5 year in		52,495	5,203,774	40,142,249		793,763	7,616,503		247,024,3
950 hrough 954		202,521,522 tive-5 year in		108,121	7,117,271	45,503,827	7	,791,020	18,932,585	10,725	291,628,
955 hrough 959		209,355,971 tive-5 year in		164,807	7,383,894	47,790,893	20	,330,272	39,050,109	6,620,118	340,487,
960 hrough 964		212,230,795 tive-5 year in		321,292	8,260,250	48,907,957	39	,582,606	105,849,501	52,064,112	477,050,
965 hrough 969		214,867,652 tive-5 year in		541,597	8,714,448	49,058,616	50	,232,209	211,999,102	109,318,026	655,379,
970 Through 974		213,298,888 tive-5 year in		1,284,841	9,233,011	48,568,150	60	,395,689	357,050,974	162,958,467	864,047,
975	8,020	213,369,158	10,854,319	1,421,694	8,971,034	41,283,187	69	9,832,340	448,196,030	176,537,235	973,572,
		ions show a 1 5. This is d									

in the method of crediting production to each respective formation in multiple-pool fields.

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

		of County uding in~	E 12 CUMUL	Class	COMPLETIONS ification of	Completed W	ells	01J	
County	•	1 water)		(does	(New Ho not include		110)		Approximate
oo un oj	Square	water /	0i1	Gas	Service		Dry	Total	Well Density (All Classes)
	Miles	Acres	Wells	Wells		BDW - LPG	Holes	Completions	Wells:Sq. Miles
Alcona	694	444,160					21	21	1:33
Allegan	837	535,680	1,307	89	174		1,699	3,269	4:1
Alpena	590	377,600		1			13	14	1:42
Antrim	520	332,800	3	2			44	49	1:11
Arenac	369	236,160	406	44			405	855	2:1
Barry	571	365,440	74		4		138	216	1:3
Bay	451	288,640	458	1			222	681	2:1
Benzie	342	218,880					15	15	1:23
Berrien	584	373,760	9				75	84	1:7
Branch Calhoun	517 716	330,880	077	20			59	59	1:9
Cass	505	458,240 323,200	277 33	38	3		382	700	1:1
Charlevoix	451	288,640	33				127	160	1:3
Cheboygan	798	510,720					15	15	1:30
Chippewa	1,651	1,056,640	Northern	Peninsula	County		21 5	21	1:38
Clare	577	369,280	386	172	492		э 368	5	1:330
Clinton	573	366,720	4	172	492		300 81	1,418	2:1
Crawford	566	362,240	93	5	8		33	85 139	1:7 1:4
Delta	1,202	769,280		Peninsula	County		1	139	1:1200
Eaton	572	366,080	19	7	••••		71	97	1:1200
Emmet	477	305,280		-			5	5	1:95
Genesee	649	415,360	31	1			45	77	1:8
Gladwin	512	327,680	739				282	1,021	2:1
Grand Trave		313,600	49	51			139	239	1:2
Gratiot	566	362,240	46	74	20		278	418	1:1
Hillsdale	604	386,560	275	2			490	767	1:1
Huron	824	527,360	5				79	84	1:10
Ingham Iopia	560	358,400	67	13	10		105	194	1:3
Ionia Iosco	578	369,920	9				83	92	1:6
Iosco Isabella	563 573	360,320	650	1.63			26	26	1:22
Jackson	573 717	366,720	658	161	55		486	1,360	2:1
Kalamazoo	580	458,880	136	3			280	419	1:2
Kalkaska	580	371,200 366,720	18 106	46			111	129	1:5
Kent	868	555,520	461		0	10	142	295	1:2
Lake	577	369,280	461 51	6	2	10	349	828	1:1
_apeer	662	423,680	40	1 2	4		159	215	1:3
.eelanau	374	239,360	40	2			65 9	107	1:6
enawee	760	486,400	3	72			111	9 186	1:42
ivingston	583	373,120	1	34	55		92	185	1:4 1:3
_uce	929	594,560		Peninsula	County		92	2	1:3
Mackinac	1,081	691,840	Northern	Peninsula	County		2	2	1:541
lacomb	481	307,840	6	52	30		335	423	1:541
lanistee	568	363,520	77	25			101	203	1:3
lason	505	323,200	139	13			308	460	1:1
lecosta	570	364,800	129	196	183		417	925	2:1
lidland	523	334,720	901	2		2	275	1,180	2:1
lissaukee	572	366,080	187	63	103		214	567	1:1
lonroe	564	360,960	45				113	158	1:4
Nontcalm	720	460,800	383	221	237		606	1,447	2:1
lontmorency	567	362,880	3	2			35	40	1:14
luskegon	519	332,160	444	120			390	954	2:1
lewaygo Jakland	867	554,880	200	46	142		389	777	1:1
lak land Iceana	899 541	575,360	6	12	5		70	93	1:10
)gemaw	541 580	346,240 371,200	335	9			550	894	2:1
lsceola	580	371,200	507 346	21 119	11		171	710	1:1
scoda	568	363,520	346	119	193		377	1,035	2:1
tsego	538	344,320	96	33			12	14	1:41
Ittawa	572	366,080	473	33 19	2		165 498	294	1:2
resque Isle		433,920	1	1.5	2		498	992 32	2:1
loscommon	573	366,720	183	14			103	32	1:21 1:2
aginaw	814	520,960	378	2			103	555	1:2
anilac	961	615,040	570	-			52	555	1:18
ichoolcraft	1,229	786,560	Northern	Peninsula	County		2	2	1:615
hiawassee	540	345,600	9		· · · · · · · · · · · · · · · · · · ·		57	66	1:8
t. Clair	751	480,640	265	183	60	16	883	1,407	2:1
t. Joseph	518	331,520					16	16	1:32
uscola	820	524,800	154	4			107	265	1:3
an Buren	615	393,600	723				1,001	1,724	3:1
ashtenaw	723	462,720	10	18	5	1	109	143	1:5
ayne	625	400,000	12	24	18	30	54	138	1:5
	570	364,800	6	9			71	86	1:7
exford 3 Counties		Totals:	11,783		1,816				1

	Permits		Class	fication of	Well Co	ompletion	IS		ds or s Dis-		Wells a	t End o		
ear	Issued	0il Wells	Gas Wells	Service W GS-OBS-SWD		Dry Holes	Total Com- pletions		ered Gas	0il Wells	Gas Wells	GS OBS	Inj.* P.M.	LPG
925 926 927 928 929	0 0 16 283 576	3 89 218 79 324	3 30 22			16 46 49 137	3 105 267 158 483	1]]		Incomple 1925 PG inject in LPG	through tion and	1930 extrac	tion
930 931 932 933 934	257 111 184 429 444	154 59 109 223 272	19 17 10 10 47			158 52 64 85 150	331 128 183 318 469	2 1 3 3	3 1 1 2	634 645 831 977	64 72 70 117			
935 936 937 938 939	700 777 973 996 1,465	319 333 622 580 845	101 206 66 27 56			221 268 267 411 578	641 807 985 1,018 1,479	1 6 6 17 8	5 5 1 2 2	1,167 1,360 1,778 2,141 2,684	212 402 442 448 485			
940 941 942 943 944	1,121 1,044 570 627 741	557 441 297 233 246	59 97 74 47 64			565 413 331 355 400	1,181 951 682 635 710	8 7 14 12 10	13 8 4 8 2	2,928 3,158 3,324 3,386 3,433	510 577 631 639 651	13 13 13 13		
945 946 947 948 949	755 822 886 918 999	271 223 318 371 439	57 53 43 32 22	6 86 148 77 73		467 461 387 437 473	801 823 896 917 1,007	11 19 10 10 21	11 10 4 5 2	3,536 3,520 3,532 3,554 3,818	663 547 534 502 471	19 226 409 482 554		
950 951 952 953 954	901 744 694 824 573	336 227 261 258 214	28 20 30 18 15	47 43 51 110 2	1 2 1 2	473 466 370 360 338	884 757 714 747 571	18 16 14 11 18	4 6 5 6	3,954 3,911 3,979 4,089 4,167	471 417 388 313 316	610 673 732 901 903		1 3 4
955 956 957 958 959	484 476 461 481 727	204 196 176 166 257	13 12 40 20 47	1 28 35 36 72	1 3 4 4	291 227 207 227 272	510 463 461 453 652	12 12 12 10 8	2 2 5 7 7	4,223 4,191 4,233 4,201 4,327	321 310 335 345 323	904 932 977 1,025 1,094		7 7 10 14 18
960 961 962 963 964	904 849 711 704 583	372 207 148 135 82	19 57 62 72 48	79 74 53 56 126	1 3 4 2	441 476 474 384 376	912 817 741 650 632	7 13 5 7 6	4 10 7 4	4,555 4,619 4,603 4,598 4,588	249 292 300 367 404	1,337 1,420 1,531 1,601 1,632	242 260 287 287 288	19 22 26 28 28
965 966 967 968 969	494 430 405 378 379	53 56 69 70 73	34 45 38 12 9	107 11 26 30 26	2 6	291 290 287 251 239	485 404 420 369 347	6 8 9 7	7 3 2 4 3	4,368 4,315 4,273 4,372 4,349	424 429 481 414 410	1,859 1,896 1,921 2,010 2,034	341 233 333 394	28 30 30 36 36
970 971 972 973 974	425 425 423 445 503	50 83 84 81 134	16 31 38 47 61	108 83 64 67 54	3 13 2 0 2	211 186 186 173 235	388 396 374 369 484	11 28 34 38 55	7 13 23 37 39	4,324 4,323 4,313 4,334 4,376	418 418 450 491 488	2,119 2,299 2,377 2,462 2,494		39 52 52 53 54
975	653	167	40 I	38	0	330	575	55 	19]					54
			Inc	↓ ludes 4 recla	ssifie	d dry ho	les.			,				

Total includes gas storage, observation, salt water disposal, water injection wells, and brine wells

Figures in these columns represent the well count at the end of the year. Figures are subject to change due to well-abandonments, reclassification, etc. The figures in these columns have been discontinued. See Tables 2, 3, 4 and 5 for producible wells and service wells in individual fields.

	TESTS REPORTED TO HAVE PENETRATED PRECAMBRIAN ROCK IN THE SOUTHERN PENINSULA OF MICHIGAN								STATE OIL AND GAS REVENUE						
<u>PERMIT</u> 26112	Berrien Co. Berrien Twp.	10-6S-17W	Security Oil & Gas Thalmann #1	PRECAMBRIAN 4604 (-3800)	<u>TOTAL DEPTH</u> 5647 (-4843)	YEAR COMPLE	TED		Years	Royalty	Rental	Bonus	Application and Assignment Fees	Total Income	
29779	Branch Co. Sherwood Twp.	7-5S-8W	Consumers Power Co. et al Lindsey-Hostetler #1	4804 (-3800) 5375 (-4485)	5439 (-4549)	1965		a na mana ang ang ang ang ang ang ang ang ang	1927-1931	\$ 85,262.60	\$ 43,821.60	\$ 27,707.50	\$ 1,204.00	\$ 157,995.70	
29969	Branch Co. Sherwood Twp.	8-55-8W	Consumers Power Co. et al H. Clark #1	5418 (-4539)	5475 (-4586)	1974		1 viewanie v 1 v 1	1932-1936	209,125.99	205,349.64	87,211.25	4,506.00	506,192.88	
23478	Charlevoix Co. Peaine Twp.	6-37N-10W	McClure Oil Co. State-Beaver Island #2	4718 (-3977)	4803 (-4062)		Age Rb-Sr K-Ar otite 1100 1090		1937-1941	1,302,355.65	724,330.32	515,705.83	7,367.00	2,549,758.80	
23435	Charlevoix Co.	27-38N-10W	McClure Oil Co.	4/10 (35///)	4003 (4002)	Fel	dspar 1110		1942-1946	1,645,462.42	2,021,512.76	601,065.34	3,759.00	4,271,799.52	
30682	Peaine Twp. Cheboygan Co.	24-35N-1W	State-Beaver Island #1 North. Mich. Explor. Co. et al	4566 (-3888)	5383 (-4705)	1961			1947-1951	1,813,632.16	2,256,913.51	1,307,470.34	4,398.00	5,382,414.01	
29191	Waverľy Twp. Huron Co.	26-15N-15E	State-Waverly #1-24 Mobil Oil Corp.	5617 (-4816)	5753 (-4952)	1975			1952-1956	2,727,410.47	1,989,342.96	257,186.50	3,028.00	4,976,967.93	
28607	Sherman Twp. Ingham Co.	29-2N-1W	C. J. Volmering #1 Mobil Oil Corp.	8872 (-8161)	9086 (-8375)	1973			1957-1961	1,879,927.18	769,593.64	475,840.80	3,702.00	3,129,063.62	
10448	Vevay Twp. Lenawee Co.	32-8\$-5E	Walter Kranz, Jr. #1 Walter H. Eckert	7690 (-6751)	7866 (-6927)	1971			1962-1966	1,259,162.06	1,476,949.69	409,809.00	4,982.00	3,150,902.75	
27986	Riga Twp. Livingston Co.	11-3N-5E	Harry Taylor #1 Mobil Oil Corp.	3865 (-3150)	3902 (-3186)	1944			1967	250,784.83	199,398.54	49,192.11	1,126.00	500,501.48	
11221	Osceola Twp. Monroe Co.	29-5S-10E	H. J. Messmore #1 Joseph W. Sturman	7150?(-6170)	7589 (-6609)	1970				-	451,116.55			2,002,870.35	
7702	Berlin Twp. Monroe Co.	19-7S-7E	D. L. & R. L. Chapman #1 Jacob Beck	3342 (-2745)	3377 (-2780)	1945			1968	324,933.80		1,223,971.00	2,849.00		
25494	Ida Twp. Monroe Co.	16-7S-6E	Mrs. James Sancrant #1 Ferguson & Garrison	3595 (-2926)	5495 (-4826)	1954			1969	404,709.30	819,550.16	894,132.77	872.00	2,119,264.23	
None	Summerfield Twp. Ottawa Co.	30-5N-15W	Merlin Shimp #1 H. J. Heinz Co.	3637 (-2951)	3671 (-2985)	1964			1970	429,796.13	929,596.13	-132.10	736.00	1,359,996.16	
29372	Holland Twp. Presque Isle Co.	13-33N-5E	H. J. Heinz Co. #2 Shell Oil Co.	6142 (-5523)	6221 (-5602)	1972	Granite wash	- ugetr	1971	749,814.65	858,360.49	1,360.81	426.00	1,609,961.95	
27199	Metz Twp. Presque Isle Co.	29-35N-2E	Taratuta #1-13 Pan American Petro. Corp.	6738?(-5962)	6738 (-5962)	1973	6545? (-5769)		1972	944,440.64	831,057.14	10,165,150.69	2,854.00	11,943,502.47	
BD1 39	North Allis Twp. St. Clair Co.	31-4N-15E	D. E. Draysey #1 Consumers Power Co.	5877 (-5069)	5940 (-5132)	1968			1973	1,960,853.63	1,261,207.88	3,132.75	1,658.00	3,226,852.26	
25780	Casco Twp. St. Clair Co. Clay Twp.	Projected 17-2N-16E	Consumers Power Co. BD#1 L. Bernhardt Puzzuoli #1	4605 (-3989)	4627 (-4011) 4188 (-3608)	1964 1965			1974	5,814,636.01	1,280,108.62	7,131,732.00	2,248.00	14,228,724.63	
30376	St. Clair Co. Ira Twp.	14-3N-15E	Mich. Cons. Gas Co. Osterland #1-14	4152 (-3572) 4449 (-3846)	4188 (-3008) 4550 (-3947)	1965			1975	9,637,835.43	1,297,691.74	514,247.80	2,603.00	11,452,377.97	
196	St. Clair Co. St. Clair Twp.	26-5N-16E	St. Clair Oil & Gas Corp. Hurst #1	4449 (-3848)	4330 (-3947)		Age Rb-Sr		TOTAL	\$31,440,142.95	\$17,415,901.37	\$23,664,784.39	\$48,318.00	\$72,569,146.71	
BD151	St. Clair Co. St. Clair Twp.	7-5N-17E	Consumers Power Co. C.P.C. #1-7 BDW	4707 (-4069)	4733 (-4095)	1929 - 610	1020				ABBR	EVIATIONS			
BD152	St. Clair Co. St. Clair Twp.	7-5N-17E	Consumers Power Co. C.P.C. #2-7 BDW	4684 (-4052)	4702 (-4070)	1971			A.A.P.G.	American Assoc. Petr		MCF	Thousand Cubic Feet		
10792	Washtenaw Co. Salem Twp.	27-1S-7E	I. C. Chamness Troy-Roddenberry Comm. #1	6075 (-5189)	6094 (-5208)	1944			A.P.I. (A) I.P.	American Petroleum I (Acid) Initial Produ	nstitute ction or Potential	MCFGPD Mich.	Thousand Cubic Feet G Michigan formation	as Per Day	
10141	Washtenaw Co. Salem Twp.	16-1S-7E	Colvin & Assoc. & Elec. Wm. F. Voss Comm. #1	6374 (-5459)	6410 (-5495)	1944 - Bio	Age Rb-Sr tite 950		A-1 Carb. A-2 Carb.	A-1 Carbonate A-2 Carbonate		Miss. M.S.	Mississippian Mt. Simon ss.		
11341	Washtenaw Co. Superior Twp.	12-2S-7E	Colvin & Assoc. & Rot. St. Viola Meinzinger #1	5670 (-4852)	5692 (-4874)	1945 - Bio	Age Rb-Sr tite 1050		Bbls. B.B.	Barrels Bois Blanc formation		NFW (N) I.P.	New Field Wildcat (Natural) Initial Pro	oduction or	
BD146	Wayne Co., City of Woodhaven	22-4S-10E	Marathon Oil Co. Woodhaven BD#1	3704 (-3095)	3752 (-3143)	1969			B.D. BDW	Brine Disposal Brine Disposal Well		Niag.	Potential Niagaran		
10430	Wayne Co. Huron Twp.	16-4S-9E	Colvin & Assoc. & Elec. Theisen Estate #1	3985 (-3360)	4046 (-3321)	1944			BOPD B.R.	Barrels Oil Per Day Black River		Nt. OBS	Nontechnical Observation Well		
			DEEPEST EXPLORATORY WELL DRILL						Camb. "Camb."	Cambrian Unidentified Cambria	n	OP Ord.	Out Post Well Ordovician		
29739	Gratiot Co. North Star Twp.	8-10N-2W	McClure Oil Co. Sparks et al #1-8	Precambrian 12,176 (-11,414)	17,466 (-16,70	04) 1975			Cat.	Cataract formation Cubic feet per barre		OWDD P.D.C.	Old Well Drilled Deep Prairie du Chien form)er mation	
	HENOMEE AND AND A	Bared C ENNET							c.f.p.b. C.H.	Cabot Head formation		Penn. Pilot Wtr.	Pennsylvanian Pilot Water		
	5/200	CHEE	BOYGAN FRESQUE ISLE						Cinn. Cl.	Cincinnatian Clinton formation		P.M.	Pressure Maintenance		
	from /								Cold. Compl.	Coldwater formation Completion		Prod. Form. R.C.	Producing Formation Reed City formation		
	Fight A	LEELANNU Charles						1100	Coop. D & A	Cooperative Dry and Abandoned		RW Rich.	Reworked Well Richfield formation		
		BENZIE GRAND HALKASKA CRAWFO	x						Dev. D.R.	Devonian Detroit River format	ion	Sag. SalNiag.	Saginaw formation Salina-Niagaran		
		MANISTEE WEXFORD MISSAUKEEROSCOM	NON OGE NAM HOSCO 20	▲ REPORTED PRE	CAMBRIAN TEST				D.R. SZ	Detroit River Sour Z		SD	Shut Down Seismograph		
	1 Cont		ARENAC	DEEPEST EXPL	ORATORY WELL IN	MICHIGAN (PREG	CAMBRIAN)		Dres. Dd., DD.	Dresbach formation Dundee		Seis. SO & G	Show Oil and Gas		
		ON LAKE OSCEOLA CLARE G	ADWIN BAY LIGHN BA						DdR.C. DPT	Dundee-Reed City Deeper Pool Test		S.P. Stray	St. Peter formation Michigan Stray format	tion	
		NA NEWAYGO							E.C.	Eau Claire formation		Sub. SW	Subsurface geology Service Well		
	$\left(\right) \left[\nabla \right]$		SANILAL						Explor. Fran.	Exploratory Franconia formation		SWD	Salt Water Disposal		
			GENESEE LAPEER SAINT						Geo. Test G.O.R.	Geological Test Gas-Oil Ratio		Sylv. SZ	Sylvania formation Sour Zone (In Detroi	t River)	
	$\left\{ \cdot \right\}$	OTTAWA IONIA CLINT	TON SHAMASSEE						Grav. GS	Gravity, Gravimeter Gas Storage		Thick. (T) I.P.	Thickness (Treatment) Initial H	Production or	
	7	ALLEGAN BARRY EATON	INGHAM LIVINGSTON QARLAND						GSW GW	Gas Storage Service Glenwood	Well	Trav.	Potential Traverse		
		AN BUREN KALAMAZOO CALHOUN	JACKSON WASHTENAN WAYNE						Incs.	Includes Injection		Tremp. TrentBlk	Trempealeau formation	n	
	BERRIE	CASS ST BRANCH HILLS						na langu sa sa ta	Inj. L.P.G. Mangh	Injection Liquid Petroleum Gas Marshall formation		River Unit.	Trenton-Black River Unitized		
		N D T A N A	DALE LENAWEE MONROE LAKE					2 H 2 H 2 H 2 H 2 H 2 H 2 H 2 H 2 H 2 H	Marsh.	marshall tormation			01111250		
			-					arçılır.							

0501	Otsego County Otsego County	28988 29038	Kalkaska County Kalkaska County	****
ermit	numbers issued in 19	73 for a	directional holes.	
9175	Otsego County	29474	Gd. Traverse County	
	Kalkaska County		Otsego County	New
93 4 5 9354	Manistee County Kalkaska County	29536 295494	Gd. Traverse County Otsego County	well
9354	Nalkaska Louncy	233434	ousego councy	Year
9363	Kalkaska County	29550		2884
9366	Kalkaska County	29573		2894
9393		29577		2894
9433	Otsego County	29600	Gd. Traverse County	2898
ermit	numbers issued in 19	74 for	directional holes.	2899
29628	Kalkaska County	29943	Wexford County	2900
9629	Gd. Traverse County	29946	Gd. Traverse County	2902
		29948		2916
9636		29950 29951	Montcalm County (1) Montcalm County (1)	2916
9650	Otsego County	29901	Homecanin councy (1)	2923
29671	Otsego County	29952	Montcalm County (1)	2924
	Gd. Traverse County	29953	Kalkaska County	2935
9694		29956		2935
29729		29993	Kalkaska County Otsego County	Year
29746	Otsego County	29995	usego county	2971
29804	Gd. Traverse County	30012	Kalkaska County	2972
29810	Gd. Traverse County	30013	Macomb County	2973
29828	St. Clair County	30017		2973
29837		30019		2977
29839	Kalkaska County	30030	Otsego County	2980
29840	Otsego County	30032	Kalkaska County	2980
29853	J	30034		2981
29881				2982
29887				2989
29889	Kalkaska County	30049	Macomb County	2992
29900	Gd. Traverse County	30052	Gd. Traverse County	299
29906	Manistee County	30063	Gd. Traverse County	3004
29910	Manistee County	30077		3004
29911	Macomb County	30079		3000
29912	Otsego County	30090	Gd. Traverse County	300
29918	Kalkaska County	30093	Kalkaska County	301
29919				
29927		30111		Yea
29929	Otsego County	30113		301
		30115	Manistee County	301
	Otsego County	00110		
29934	5		wout in the Six Lakes	
29934 (1) Dr	5		owout in the Six Lakes	301 302
29934 (1) Dr	illed to combat gas-		wout in the Six Lakes	301 302 302
29934 (1) Dr	illed to combat gas-		owout in the Six Lakes	301 302 302 302
29934 (1) Dr ga	rilled to combat gas-v s storage field.	well blo		301 302 302 302 302
29934 (1) Dr ga Direct	rilled to combat gas-v is storage field. tional holes with two	well blo	e permit numbers.	301 302 302 302 302 302 303
29934 (1) Dr ga Direct 29629	rilled to combat gas-w s storage field. tional holes with two ** and 29553	vell blo or more 30118**		301 302 302 302 302 303 303 303 303
29934 (1) Dr ga Direct 29629	tional holes with two ** and 29553	or more 30118** 30132** 30172**	e permit numbers. * and 30458 * and 30098 * and 30092	301 302 302 302 302 303 303 303 304 304
29934 (1) Dr ga Direct 29629 ³ 29671 ³ 29478 29729	tional holes with two ** and 29553 **, 29650** and and 29466*	well blo <u>or more</u> 30118** 30132** 30172** 30211**	e permit numbers. * and 30458 * and 30098 * and 30092 * and 29703	301 302 302 302 302 303 303 303 304 304 304
29934 (1) Dr ga Direct 29629 29671 29478 29478 29729 29828	tional holes with two ** and 29553 **, 29650** and and 29466* and 29451*	or more 30118* 30132* 30172* 30211* 30234*	e permit numbers. * and 30458 * and 30098 * and 30092 * and 29703 * and 30188	301 302 302 303 303 303 303 304 304 304 304
29934 (1) Dr 97 29629 29671 29671 29671 29478 29729 29828 29900	tional holes with two tional holes with two t* and 29553 t*, 29650** and and 29466* and 29451* t*, 29827 and 29426*	or more 30118* 30132* 30172* 30211* 30234* 30245*	<u>e permit numbers.</u> * and 30458 * and 30098 * and 30092 * and 29703 * and 30188 ** and 30030	301 302 302 302 303 303 303 304 304 304 304 304
29934 (1) Dr 97 29629 29671 29671 29671 29478 29729 29828 29900 29912	tional holes with two tional holes with two t* and 29553 and 29466* and 29451* **, 29827 and 29426* ** and 29842	vell bla <u>or mora</u> 30118** 30172** 30211** 3024** 30245**	<u>e permit numbers.</u> * and 30458 * and 30098 * and 30092 * and 29703 * and 30188 ** and 30030 **, 30211** and	301 302 302 302 303 303 303 304 304 304 304 304 304
29934 (1) Dr ga 29629 29671 29729 29828 29900 29828 29900 29912 29918	tional holes with two tional holes with two t* and 29553 t*, 29650** and and 29466* and 29451* t*, 29827 and 29426*	vell blo or more 30118** 30132** 30211* 30234** 30245* 30251* 29703:	<u>e permit numbers.</u> * and 30458 * and 30098 * and 30092 * and 29703 * and 30188 ** and 30030 **, 30211** and	301 302 302 302 303 303 303 304 304 304 304 304 304 304
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29934 (1) Dr ga 29629 29629 29629 29629 29729 29729 29828 29900 29912 29912 29913 29929 29952 29953	tional holes with two tional holes with two the and 29553 and 29466* and 29451* the and 29451* the and 29451* the and 29451* the and 29451* the and 29451* the and 29842 the and 29905 the and 29947 the an	vell blo 30118** 30132** 30211** 30245** 30251** 29703* 30356** 30372** 30460** 30422*	<u>e permit numbers.</u> * and 30458 * and 30098 * and 20902 * and 29703 * and 30188 ** and 30030 **, 30211** and * * and 30197 * and 30413 * and 30313 ** and 30301	301 302 302 302 303 303 303 304 304 304 304 304 304 304
29934 (1) Dr <u>9</u> 7 29629 29629 29629 29729 29729 29929 29929 29929 299912 29929 29929 29929 29929 29995 30049 299914 30034	tional holes with two tional holes with two the and 29553 the and 29466* and 29466* and 29451* the and 29842 the and 29839 the and 29905 the and 29947 the and 29947 the and 29955	vell blo 30118** 30132** 30211** 30231** 30245** 30251** 29703* 30356** 30366** 303422* 30422*	<pre>permit numbers. * and 30458 * and 30098 * and 20703 * and 20703 ** and 30188 ** and 30030 **, 30211** and * * and 30197 * and 30413 * and 30313 ** and 30301 ** and 30175</pre>	301 302 302 302 303 303 303 304 304 304 304 304 304 304
29934 (1) Dr 97 296713 296713 29478 29478 29478 299123 299123 299123 29914 300344 300525	tional holes with two tional holes with two t* and 29553 and 29466* and 29451* and 29842 and 29842 and 29842 and 29842 and 29842 and 29842 and 29842 and 29842 and 29842 and 29845 and 29855 and 29955 and 30001	vell blo <u>or more</u> 30118** 30132** 30211** 30245** 30245** 30251** 29703' 30356** 30356** 30422** 30422*	<pre> permit numbers. and 30458 and 30098 and 20703 and 20703 and 30188 and 30188 and 30211** and * and 30197 and 30313 ** and 30313 ** and 30301 ** and 30175 ***, 30422, 30383 and </pre>	301 302 302 302 303 303 304 304 304 304 304 304 304 304
29934 (1) Dr 97 29671 29671 29672 29729 29828 29900 29912 29912 29912 30049 29913 30052 30052 30077	tional holes with two tional holes with two the and 29553 the and 29466* and 29466* and 29451* the and 29842 the and 29839 the and 29905 the and 29947 the and 29947 the and 29955	vell blo or mora 30118** 30132** 30212** 30234** 30245** 30251* 29703 30356* 30356* 30372* 30422* 30422* 30422* 30422* 30428* 30242*	<pre> permit numbers. and 30458 and 30098 and 30092 and 29703 and 30188 ** and 30030 **, 30211** and * and 30197 * and 30413 * and 30313 ** and 30313 ** and 30175 ***, 30422, 30383 and * and 30349 </pre>	301 302 302 303 303 303 303 304 304 304 304 304 304
29934 (1) Dr 97 29629 29629 29629 29629 29729 29828 29900 29912 29929 29928 29929 29929 29929 29929 29929 29929 29929 29929 30049 29914 30034 30052 30079 30079 30113	rilled to combat gas-wiss storage field. tional holes with two t* and 29553 and 29466* and 29451* **, 29827 and 29426* ** and 29839 ** and 29905 ** and 29947 **, 30013** and 4 ** and 29955 ** and 29942 ** and 20951 ** and 20951 ** and 20051 ** and 30051 *** and 30038	vell blo 30118** 30132** 30132** 30211** 30245** 30251** 29703* 30372** 30426** 30422* 30422* 30422* 30428* 30428* 30428* 30448* 30448* 30496* 3046	<u>e permit numbers.</u> * and 30458 * and 30098 * and 20703 * and 20703 * and 30188 ** and 30030 **, 30211** and * * and 30197 * and 30413 * and 30313 ** and 30313 ** and 30319 ** and 30349 *, 30476** and 30364	301 302 302 302 303 303 303 304 304 304 304 304 304 304
29934 (1) Dr 97 29629 29629 29629 29629 29729 29828 29900 29912 29912 29912 29912 29912 30034 30034 30034 30052 30077 30099 30013 30015	rilled to combat gas- is storage field. tional holes with two t* and 29553 and 29466* and 29451* **, 29827 and 29426* ** and 29842 ** and 29947 ** and 29947 ** and 29947 ** and 29955 ** and 2001 ** and 2001 ** and 30001 ** and 30038 ** and 30008	vell blo 30118** 30132** 30132** 30211** 30245** 30251** 29703* 30356* 30422* 3042* 3042* 3042* 3042* 3042* 3042* 3042* 3042* 3042* 3042* 3042* 305	<u>e permit numbers.</u> * and 30458 * and 30098 * and 29703 * and 29703 * and 30188 ** and 30030 **, 30211** and * * and 30197 * and 30413 * and 30313 ** and 30313 ** and 30314 ** and 30349 *, 30476** and 30364 * and 30221	301 302 302 302 303 303 303 304 304 304 304 304 304 304
29934 (1) Dr 97 29629 29629 29629 29629 29729 29729 29729 29912 29929 29912 299912 299913 30034 30052 30049 30034 30052 30077 30099 30113 30115	tional holes with two tional holes with two the and 29553 the and 29466* and 29466* and 29451* the and 29842 the and 29842 the and 29842 the and 29842 the and 29844 the and 29905 the and 29947 the and 29947 the and 29955 the and 3001 the and 30051 the and 30088 the and 30088 the and 30459	vell blo or more 30118** 30132** 30211** 30245** 30245** 30251** 29703' 30356** 30425** 30422* 30422* 30444* 30512* 30626	<pre> permit numbers. * and 30458 * and 30098 * and 29703 * and 29703 * and 30188 ** and 30030 **, 30211** and * * and 30197 * and 30413 * and 30313 ** and 30311 ** and 303175 ***, 30422, 30383 and * and 30249 *, 30476** and 30364 * and 30221 ** and 30499 </pre>	301 302 302 302 303 303 303 304 304 304 304 304 304 304
29934 (1) Dr 97 29629 29629 29629 29629 29972 29972 29912 29912 29912 29912 29912 30049 29912 30049 29912 30049 29913 30049 29914 30052 30077 30099 30113 30155 30558	<pre>tilled to combat gas-w s storage field. tional holes with two tw and 29553 tw, 29650** and and 29466* and 29466* and 29451* tw, 29827 and 29426* tw, 29827 and 29426* tw and 29839 tw and 29905 tw and 29947 tw, 30013** and 4 tw and 29955 tw and 3001 tw and 30051 tw and 30038 tw and 3008 tw and 30459 tw and 30363</pre>	vell blo or mor: 30118*: 30132*: 30172*: 30245*: 302251*: 29703: 30356*: 30422*: 30422*: 30422*: 30422*: 30422*: 304242: 30424: 30424: 30424: 30424: 30424: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 30425: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 3045: 305:	<pre>e permit numbers. * and 30458 * and 30098 * and 20703 * and 29703 * and 30188 ** and 30188 ** and 30197 * and 30197 * and 30413 * and 30313 ** and 30313 ** and 30319 ** and 30349 *, 30476** and 30364 * and 30349 *, 30476** and 30364 * and 30499 ** and 30499 ** and 30499 ** and 30602</pre>	301 302 302 302 303 303 303 304 304 304 304 304 304 304
29934 (1) Dr 97 29629 29629 29629 29629 29972 29972 29912 29912 29912 29912 29912 29912 30034 30052 29913 30049 29914 30052 30077 30099 30113 305530 30583	tional holes with two tional holes with two the and 29553 the and 29466* and 29466* and 29451* the and 29842 the and 29842 the and 29842 the and 29842 the and 29844 the and 29905 the and 29947 the and 29947 the and 29955 the and 3001 the and 30051 the and 30088 the and 30088 the and 30459	vell blo or more 30118** 30132** 30172** 30211** 30245** 30251* 29703* 30356* 30356* 30422* 30422* 30422* 30422* 30424* 30424* 30426* 3046* 30426* 3066* 3066* 306*	<pre> permit numbers. * and 30458 * and 30098 * and 29703 * and 29703 * and 30188 ** and 30030 **, 30211** and * * and 30197 * and 30413 * and 30313 ** and 30311 ** and 303175 ***, 30422, 30383 and * and 30249 *, 30476** and 30364 * and 30221 ** and 30499 </pre>	301 302 302 302 303 303 303 304 304 304 304 304 304 304

**Directional hole drilled from plugged-back, vertically drilled dry hole.

dire	ctionally d	nal hole drille rilled dry hole	•	
****Thir dire	d direction ctionally d	al hole drilled rilled dry hole	l from a plugge	ed-back
New perm	its (left co	olumn) issued fo busly issued bu	or a reviously	drilled
Year of	issue: 1973			
2884/1S 28941	sued for we	ll drilled or p "	ermitted under	17220
28942	11	11	11	17331
28985	n 11	11	11	10169 5302
28992	11	п	н	5168
29008	24	17	11	25625
29024 29161	11	11	н	26469 2904
29161	11	11	п	3095
29163	14	14 13	14	3202
29233	11	ei it		26506 19046
29249 29357	11	11	11	22419
29359	11	11	п	22159
Year of	issue: 1974		11	20400
29710 29729	65 66	11	11	29488 29466
29730	18	u	11	29452
29731	11	11		29506 29406
29772 29774		0	16	29400
29803	11	11	8	29184
29805	11	C3 10	61	29592
29816 29825	15	11	14	29548 29518
29890	11	11	н	29561
29891	11	16	"	29115
29928 29932	n 11	11	11	29593 29147
29932	8		1	29608
30046	н	15	#3 18	29589
30062	11 11	58 16	и	29190 30051
30099 30113	a	11 13	11	30038
30115	и		31	30008
Year of 30118	issue: 1975	84	п	30458
30132	11	п	н	30098
30151	11	EI 13	11	29745
30172 30223	11		18	30092 11043
30234	18	0	11	30188
30245	10 11	н	" 2021 I	30030
30251 30356			30211	& 29703 30197
30372	14	п	14	30313
30422	11	17	13	30301
30423 30428	11	18	30383	30175 & 30242
30428	11		29801	& 26118
30444	11	81	11 51	30349
30452 30453	n 11	E0		29708 29802
30455	u	11	н	30413
30473	at	83	"	30015
30496 30512	11 11	11	30476	& 30364 30221
30530	11	ţi.	Ŕ	30459
30536	n 	11	н	28890
30568	11 11	11		30363
30583 30603	8	63	11	30502 3055 7
30604	н	11	u	30562
30626	11 F1	68 88	11	30499
30640 30662	11 11	11	30602	23567 & 29879
30685	ш	u	11	30651
30744	11 40	E1 18	11	30712
30748				30693

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		SYSTEM			RECENT		Wisconsin M Glaciation C		Two Man Cary Taze rglacia							
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GEOL TI	OG ME	łC	τı	WE-5	STRATIGR	APHIC		ROC	ROCK-S		TIGRA	PHIC				
ERA	PERIOD	EPOCH	SYSTEM		SERIE	s	GROUF		F	OR	MAT	ION	ME	NBER	DC	MIN
MESOZOIC	JURASSIC	LATE	JURASSIC		KIMERID	IMERIDGIAN										iubsur
	VANIAN	EARLY LATE PENNSYLVANIAN			CONEMAUGH				G	rand F	liver F	m	2.4	Borea Eaton and Wood+Re Sandmones		``` ~``
	PENNSYLVANIAN				POTTS	VILLE		S		agınaw Fm		Vend	Vene Ls			
	MISSISSIPPIAN				MERAMI		GRAND RAPIDS		-	syport tichiga	n Fm		-	Hapolton Ss		
	MISSIS	FARIY		Ē	OSAG	OKIAN			t	Marshall Ss Coldwater Sh				ž		
	MIS		Т	L	CHAUTAU	IQUAN	IAN Unas	Antrim Sh								
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			EAKLY						CKINAC BR	Gard	en isla	nd Fm			s secondarias	
PAI FOZOIC	1 1		LATE		CAYL	IGAN	BASS ISLA SALIN		WAG	Put-ie St lig			on Poles	nta.	CERDELER	
		SILUNIAN	MIDDLE	SILURIAN	NIAG	ARAN				Engadine Dol						
			ž				MANIST			Schoo	ell Dol. okrali i ricks D			god La		
			EARLY		ALEXA	NDRIAN	BURNT B			Lune Island Dol Cabot Head Sh Manitoulin Dol				_ E	おして	
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STRATIGRAPHIC SUCCESSION IN MICHIGAN

EOZOIC THROUGH RECENT

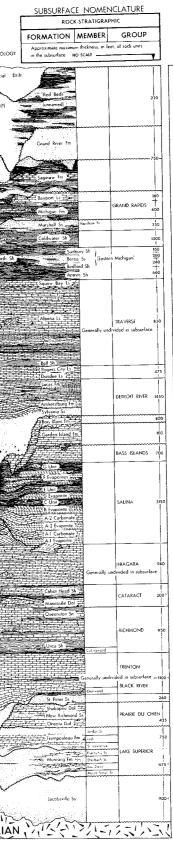
MICHIGAN DEPARTMENT OF NATURAL RESOURCES Howard A. Tanner, Director

Geological Survey Division Arthur E. Slaughter, State Geologist

ACRUDWIEBGEWINT Compand with the course of colleasures in this docatinger the U.S. Goc logical Survey, Markgare Lunversities other same Carological Survey, and georgaset with Michigan's olderdig structures for Januari T. Costa Decomment of Carological Michigan Surve University, Identical tools al Messages age and suggerind servicing age assignments

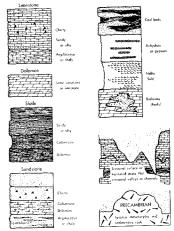
> GEOLOGIC NAMES COMMITTEE Garland D. Ets. Charman: Robert W. Kelley. Secretary Harry J. Hardenberg. L. David Johnson: Harry O Sorenier

> > INFORMAL TERMS



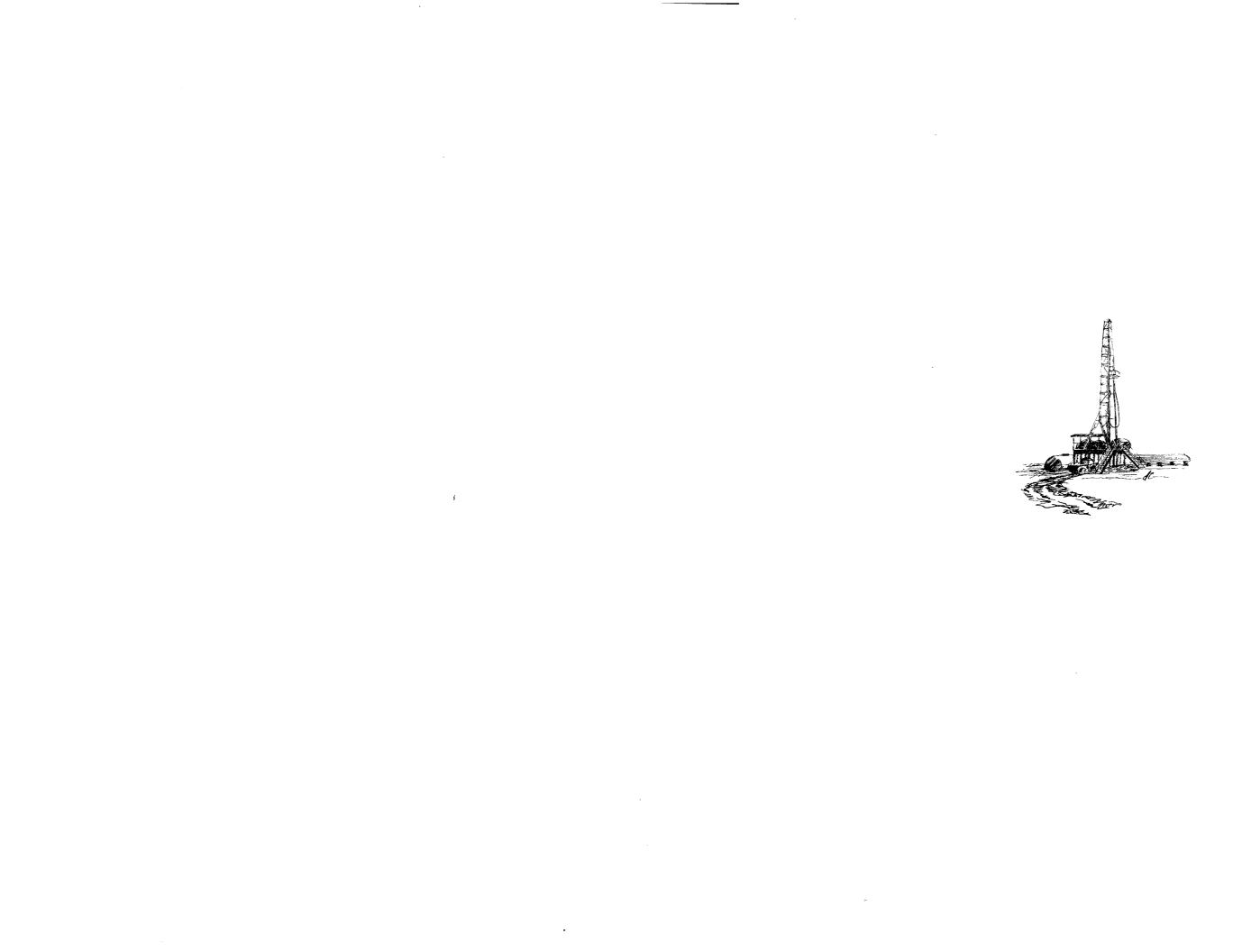
Principal oil and gas pays, an exploration and applied to par subsurface	d informal terms used in pr rts of formations or groups	atroleum in the
RATIGRAPHIC POSITION	INFORMAL TERMS	PAYS
Basal sandstones of		
Saginaw Fm	Parma sandstone	
	TIGH SYF	
in lower part of	brown lime	<i>C</i>
Michigan	stray stray is	
	siray ss	Gas & Orl
Marshall Ss		Gas & Oil
Coldwater Sh	Coldwater late	
Coldwater Sh	Coldwater red-rock	Gas
In upper part of		
Ellsworth Sh	Boreal Western Michigan	OI & Gas
Berca Ss		
Squaw Bay Ls		
odnam gaà ra		
Upper part of	(fraverte formation	
Upper part of Traverse Group in	bavess line	
western wichigan		
Rogers City Ls		Oil & Gas
Dundee Ls		Oil & Gas
Dundee Ls (2), Upper		
Dundee Ls (?), Upper part of Lucas Fm (?)	Reed Celv sons .	Oil & Gas
pan of cocas rim (a)		
	massive salt / big salt	
to Lucas for	sour 2000	Oil & Gas
In Lucas fm	massive anhydrite big anhydrite	
	 big anhydrite Richfield zone 	Od & Gas
Amherstburg Fm		
Rad of Salma		
Group E Unit	i zone , or Kintigh zone)	
Divisions of A-2		
Carbonato in	1 A 2 dolomite	Gas
Western Michigan	I A 2 BDC	
A-1 Carbonate	A 1 dolomin	Oil & Gas
Upper part of	- hours blocked a	
Upper part of Niagaran Senes	gray Nageran	Oil & Gas
	whee Niagaran	
Parl of Niagaran Series	Clerton shale (Enstern Michigan)	
Trenton Group		Oil & Gas
Black River Group	Black Rover shallon	Osi & Gas
		Oil
Oncota Dol		

EXPLANATION



GICLODI, NAMES COMPERITORS, NAME & Stream Cambra and Order cam Hoom W Koley (Lev) and Models Silvan Garand D firs Les Sharen Hough Donne Harr Gess and Donnean ange Histor, i America State Ander Simons Moural Denne and C. Dand Silvan, i America Subaritisty, Ac Perrogenana System 1. Web Termitiste grand 2003; J. M. Granssol.

> CHART 1 1964



Geology Division, Michigan Department of Natural Resources, Ann. Stat. Sum. 24, MICHIGAN'S OIL AND GAS FIELDS, 1975