



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



LIESL EICHLER CLARK
DIRECTOR

VIA E-MAIL

TO: Members of the Michigan Legislature
FROM: Liesl Eichler Clark, Director 
DATE: February 3, 2020
SUBJECT: Orphan Well Fund Annual Report and Orphan Well List

In accordance with Sections 61604 and 61607 of Part 616, Orphan Well Fund, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, attached is the Department of Environment, Great Lakes, and Energy's (EGLE) Orphan Well Fund Annual Report for fiscal year 2019 and Orphan Well List for 2020.

If you need further information, please contact Adam W. Wygant, Director, Oil, Gas, and Minerals Division, at 517-897-4828; or you can contact me at 517-284-6708.

Attachment

cc/att: Chris Harkins, Director, Senate Fiscal Agency
Mary Ann Cleary, Director, House Fiscal Agency
Chris Kolb, Director, State Budget Office
Jennifer Flood, Legislative and Public Affairs Director, Governor's Office
Emily Laidlaw, Policy Director, Governor's Office
Abbey Frazier, Senate Fiscal Agency
Austin Scott, House Fiscal Agency
Jacques McNeely, State Budget Office
Jennifer Harrison, State Budget Office
Carly Kirk, State Budget Office
Aaron B. Keatley, Chief Deputy Director, EGLE
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Adam W. Wygant, EGLE
Kathy Tetzlaff, EGLE
Rick Henderson, EGLE



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Legislative Report

Orphan Well Fund Annual Report for Fiscal Year 2019 and Orphan Well List for 2020

Authority:

Part 616, Orphan Well Fund, of the Natural Resources and
Environmental Protection Act, 1994 PA 451, as Amended

For more information on the Orphan Well Program, please contact:
Department of Environment, Great Lakes, and Energy
Oil, Gas, and Minerals Division
P.O. Box 30256, Lansing, Michigan 48909-7756
517-284-6823

**ORPHAN WELL FUND ANNUAL REPORT
FISCAL YEAR 2019**

Fund Overview

The Orphan Well Fund provides a funding source for carrying out plugging, response activity, and site restoration at abandoned or improperly closed oil or gas wells for which no owner or operator is known, for which all owners or operators are insolvent, or at which the Supervisor of Wells determines there exists an imminent threat to public health and safety.

Expenditures

Fiscal Year 2019

Plugging and Site Restoration (see Table I for detail)	\$795,199
Response Activity (see Table II for detail)	\$364,089
Administrative Costs (i.e., Wages, Supplies, Travel, Supervision)	\$403,668
TOTAL Expenditures	\$1,562,956

Accomplishments

Five orphaned oil wells were plugged. Three of these wells were in Gladwin County and exhibited many difficulties in the well construction and downhole issues. Historic soil and groundwater contamination at these three wells will be addressed in the future, as Category III sites. One of the wells, in Midland County, was in a remote area, surrounded by wetlands and was difficult to access. The fifth well, located in Isabella County, was a reentry of a leaking oil well previously plugged in 1931. It required the reinstallation of surface casing to safely and successfully plug.

The groundwater remediation system (installed during fiscal year [FY] 2012) at the Leacock & Hubbard & Underwood Unit #1, decommissioned two years ago, was monitored for petroleum constituents. Oxygen Release Compounds (ORC) were installed in several of the monitor wells to remediate residual hydrocarbons. Remediation actions there are proving very successful.

Additionally, the School Road site in Gladwin County underwent a successful remediation of a historic soil contamination problem around a former leaking oil well. Residential and groundwater monitoring exhibited values that met residential cleanup criteria. The Lauber 1-6 BDW site in Oceana County had a large soil excavation and groundwater investigation. The bulk of soil contamination was remediated, while groundwater and residential well sampling showed no impact to drinking water. At the Hadaway 2-2A in Manistee County monitor wells were sampled for final closure. The Mary Jacobs #1 site in Midland County had final monitor well sampling and decommissioning of the monitor wells as part of final site restoration. The Baumgarten C-0-1 tank battery in St. Clair County was properly evacuated and dismantled to abate a serious threat to the public and environment. The Brown 19 sulphur removal facility in Manistee County was dismantled and completely restored, after years of deterioration.

2020 Orphan Well List

The Orphan Well List (List), prepared by the Department of Environment, Great Lakes, and Energy (EGLE), Oil, Gas, and Minerals Division (OGMD), is a compiled listing of oil or gas wells scheduled to be plugged and those at which interim response, remedial investigation, remediation, or site restoration should be performed with money from the Orphan Well Fund. The List is arranged in order of priority using the score assessment determined for each well or project. Estimated costs are given for the total cost of each well or project and the cost of each phase of the project (plugging costs, interim responses, etc.).

Abandoned oil and gas wells that qualify for plugging under Part 616 must be scored prior to being added to the List. All wells are scored (prioritized) utilizing a Well Assessment Program. The Well Assessment Program was developed by the OGMD. This system factors in: presence and type of contaminants in soils or ground water from spills, potential for future contamination, sensitivity of drinking water supplies, degree to which ground water is protected by geology, age of the well, presence of hydrogen sulfide gas, potential for public exposure to contaminants, and the environmental sensitivity of the area.

The score values are only applicable within their respective category. All Category I wells have priority over Category II wells. However, special considerations may necessitate temporarily bypassing a well with a higher score in favor of a well with a lower score. Such considerations include assessment of risk and available technology to successfully resolve a situation, the inability to obtain access to the location, or the need to obtain auxiliary permits.

**TABLE I: ORPHAN WELL FUND EXPENDITURES FOR FISCAL YEAR 2018-2019
CATEGORY I & II WELLS**

COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	CATEGORY	PLUGGING COSTS	SITE RESTORATION	EVALUATION	REMEDIAL ACTION	TOTAL COSTS	STATE HOUSE	STATE SENATE
Isabella	1057	1930	Gibson Johnson & Borden Inc.	Brophy #1 (1 well – 0 TB)	IA	\$165,691	\$16,372	\$0	\$0	\$182,063	99	33
Midland	767	1929	Geneva Oil Co.	Henry #1 (1 well – 0 TB)	IA	\$105,653	\$50,481	\$0	\$0	\$156,134	99	33
Gladwin	4568 4864 4856	1937 1938 1937	Schnell, Louis.	LaFurgey #1 LaFurgey #2 Snellenberger #1 (3 wells – 2 TB)	II	\$395,781	\$61,221	\$0	\$0	\$457,002	97	36
Orphan Well Program Category I & II Costs:						\$667,125	\$128,074	\$0	\$0	\$795,199		

TB = Tank Battery

CATEGORY IA = Wells are abandoned oil and gas wells that are leaking significant volumes of gas or that, as a result of leaking oil or brine, are contaminating the ground water used for public consumption.

CATEGORY II = Wells are abandoned, non-leaking wells.

**TABLE II: ORPHAN WELL FUND EXPENDITURES FOR FISCAL YEAR 2018-2019
CATEGORY III WELLS**

COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	CATEGORY	PLUGGING COSTS	SITE RESTORATION	EVALUATION	REMEDIAL ACTION	TOTAL COSTS	STATE HOUSE	STATE SENATE
Allegan	17150	1951	Michigan Pipe Co.	Busk # 3	III	\$0	\$0	\$80	\$0	\$80	88	20
Allegan	15891	1950	Michigan Pipe Co.	Maude Mesick # 1	III	\$0	\$0	\$90	\$0	\$90	88	20
Clare	7991	1940	Sun Oil Company	Second National Bank	III	\$0	\$0	\$55	\$0	\$55	97	33
Gladwin	19368	1955	Lakeland Oil Co.	School Road	III	\$0	\$0	\$1,257	\$84,254	\$85,511	97	36
Oceana	33493	1980	Adams, Frank Jr	Lauber # 1-6 BDW	III	\$0	\$0	\$2,283	\$123,067	\$125,350	100	34
Manistee	30540	1975	Whitney Oil & Gas	Hadaway #2-2A	III	\$0	\$0	\$510	\$0	\$510	101	35
Manistee	N/A	N/A	Manistee Gas, LLC	Brown CPF	III	\$0	\$140,245	\$0	\$0	\$140,245	101	35
Genesee	28458	1971	Richter, Ervin	Elliot-Sammons Unit #1	III	\$0	\$0	\$256	\$0	\$256	48	26
Saint Clair	21879	1959	Northeastern Energy Corporation	Baumgarten C-0-1	III	\$0	\$0	\$0	\$9,808	\$9,808	32	25
Midland	2382	1935	Oryx Energy	Mary Jacobs # 1	III	\$0	\$0	\$575	\$0	\$575	99	36
Midland	767	1929	Geneva Oil Company	Henry #1	III	\$0	\$0	\$130	\$0	\$130	99	33
*Otsego	29028	1973	Saba Energy of Texas	Leacock & Hubbard & Underwood Unit #1 (ongoing remediation project)	III	\$0	\$0	\$575	\$684	\$1,259	105	36
Ottawa	20899	1958	J&T Distributing	Kneibel # 1	III	\$0	\$0	\$220	\$0	\$220	88	30
Orphan Well Program Category III Costs:						\$0	\$140,245	\$6,031	\$217,813	\$364,089		

* = Continuing Ground Water Remediation Project

CATEGORY III = Wells have been plugged; however, site remediation has not yet been completed.

**TABLE III: ORPHAN WELL LIST FOR 2020
CATEGORY I WELLS**

COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	SCORE	PLUGGING COSTS	INTERIM RESPONSE	EVALUATION	REMEDIAL ACTION	SITE RESTORATION	TOTAL COSTS	STATE HOUSE	STATE SENATE
CATEGORY IA: Wells are leaking significant volumes of gas or that, as a result of leaking oil or brine, are contaminating the ground water used for public consumption.													
None													
TOTAL ESTIMATED COSTS:													
CATEGORY IB: Wells are leaking oil, resulting in contamination of soils, surface water resources, or the ground water where water wells used for public consumption are not yet contaminated.													
Arenac	7880	1940	Smith Petroleum Co.	Stone #1	15	\$150,000	\$0	T.B.D.	T.B.D.	\$15,000	\$165,000	97	36
Midland	2076	1934	Turner, Fred	Eugene St. John B #2	19	\$300,000	\$0	T.B.D.	T.B.D.	T.B. D	\$300,000	99	36
TOTAL ESTIMATED COSTS:						\$450,000	\$0	T.B.D.	T.B.D.	\$15,000	\$465,000		
CATEGORY IC: Wells are leaking gas or brine, resulting in contamination of soils, surface water resources, or the ground water where water wells used for public consumption are not yet contaminated.													
Saint Clair	None	<1929	Unknown	"Buckland Industries" 835 24 th Street	22	\$300,000	\$0	\$0.	T.B.D.	\$50,000	\$350,000	81	25
TOTAL ESTIMATED COSTS:						\$300,000	\$0	\$0.	T.B.D.	\$50,000	\$350,000		

**TABLE III: ORPHAN WELL LIST FOR 2020
CATEGORY II WELLS – PRIORITIZED**

Projects are delineated by the alternately shaded and nonshaded groups.

COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	CAT II WELL SCORE	CAT II PROJ. SCORE	PLUGGING COSTS	INTERIM RESPONSE	EVALUA-TION	REMEDIAL ACTION	SITE RESTORA-TION	TOTAL COSTS	STATE HOUSE	STATE SENATE
Saint Clair	21221	1958	Northeastern Energy Corp.	Baumgarten & Rewalt 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	20895	1958	Northeastern Energy Corp.	Baumgarten & Waltos 1	14	17	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	32	25
Saint Clair	21188	1958	Northeastern Energy Corp.	Kaminski-Desgrandchamp Unit 1	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	25956	1965	Northeastern Energy Corp.	Rewalt-Teltow 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	19780	1955	Northeastern Energy Corp.	Teltow 1	18	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
Saint Clair	21203	1958	Northeastern Energy Corp.	Teltow 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	20994	1958	Northeastern Energy Corp.	Waltos 2	19	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
Saint Clair	20551	1957	Northeastern Energy Corp.	Waltos Et Al 1	17	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
Saint Clair	22154	1960	Northeastern Energy Corp.	Karolak 0-1	20	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
Saint Clair	22822	1960	Northeastern Energy Corp.	Llindke 0-4	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	22807	1960	Northeastern Energy Corp.	Lindke & Smith B-01	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22847	1960	Northeastern Energy Corp.	Lindke & Smith B-02	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	22614	1960	Northeastern Energy Corp.	Lindke 0-3	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22958	1961	Northeastern Energy Corp.	Lyszczk 04	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	22823	1960	Northeastern Energy Corp.	Lyszczyk 0-2	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22774	1961	Northeastern Energy Corp.	Shissler 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22956	1961	Northeastern Energy Corp.	Shissler 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22666	1960	Northeastern Energy Corp.	Smith Et Ux 1	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22784	1961	Northeastern Energy Corp.	Smith Et Ux 2	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22824	1960	Northeastern Energy Corp.	Smith Et Ux 3	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23093	1961	Northeastern Energy Corp.	Smith Et Ux 4	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23124	1961	Northeastern Energy Corp.	Voight B-01	20	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	22591	1960	Northeastern Energy Corp.	Chudy 0-1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	21266	1959	Northeastern Energy Corp.	Czarnota 1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25

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COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	CAT II WELL SCORE	CAT II PROJ. SCORE	PLUGGING COSTS	INTERIM RESPONSE	EVALUA-TION	REMEDIAL ACTION	SITE RESTORA-TION	TOTAL COSTS	STATE HOUSE	STATE SENATE
Saint Clair	21111	1958	Northeastern Energy Corp.	Kammer 1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	21197	1958	Northeastern Energy Corp.	Kammer 1	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	21259	1958	Northeastern Energy Corp.	Kammer 2	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	21368	1959	Northeastern Energy Corp.	Kammer 2	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	21704	1960	Northeastern Energy Corp.	Lindke 0-2	17	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
Saint Clair	21231	1958	Northeastern Energy Corp.	Lindke 1	14	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	22715	1960	Northeastern Energy Corp.	Schultz Et Ux 1	17	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
Saint Clair	22772	1961	Northeastern Energy Corp.	Schulz Et Ux 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	21397	1959	Northeastern Energy Corp.	Baumgarten B-1	17	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	21879	1959	Northeastern Energy Corp.	Baumgarten C-0-1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	21718	1959	Northeastern Energy Corp.	Blaszczak B0-1	14	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	21374	1959	Northeastern Energy Corp.	Blaszczak 1	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	23884	1962	Northeastern Energy Corp.	Ignasiak-Matuja 1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	24126	1962	Northeastern Energy Corp.	Ignasiak-Matuja 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23355	1961	Northeastern Energy Corp.	Jablonski 01	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	25404	1964	Northeastern Energy Corp.	Jablonski 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	21570	1959	Northeastern Energy Corp.	Reske Et Al 0-1	15	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	17534	1952	Northeastern Energy Corp.	Rlingel Comm 1	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	21319	1960	Northeastern Energy Corp.	Rlingel 0-3	15	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	21899	1959	Northeastern Energy Corp.	Ringel 0-2	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	22718	1960	Northeastern Energy Corp.	Taetz 02	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	17717	1959	Northeastern Energy Corp.	Weiss Comm B-1	17	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23845	1962	NEE Energy Corp.	Fish 2	19	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	23345	1961	Northeastern Energy Corp.	Kammer 1	18	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25

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Saint Clair	22964	1961	Northeastern Energy Corp.	Schomburg & Bousson Unit 1	15	16	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23151	1961	Northeastern Energy Corp.	Schomburg & Bousson Unit 2	17	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	23097	1961	Northeastern Energy Corp.	Smith 5	17	16	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23041	1961	Northeastern Energy Corp.	Smith Et Ux 6	17	16	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23012	1961	Northeastern Energy Corp.	Spurlock 1	18	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
Saint Clair	23040	1961	Northeastern Energy Corp.	Spurlock 2	16	16	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
Saint Clair	23081	1961	Northeastern Energy Corp.	Teutsch 1	19	16	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	32	25
Saint Clair	23463		Northeastern Energy Corp.	Thueme 1	PLC	16	\$0	\$0	\$0	T.B.D.	\$3,500	\$3,500	32	25
Saint Clair	23958	1962	Northeastern Energy Corp.	Edge & Schlottman Et al #1	15	16	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	32	25
Calhoun	58342	2007	Rainbow Oil & Gas, Inc.	Martin 1-12	15	15	\$50,000	\$0	\$0	T.B.D.	\$10,000	\$60,000	63	19
Calhoun	59013	2008	Rainbow Oil & Gas, Inc.	Warner 2-7	15	15	\$50,000	\$0	\$0	T.B.D.	\$75,000	\$125,000	62	19
Calhoun	29555	1974	James Koyl	Koyl 4-15	11	11	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$5,000	62	19
Hillsdale	37796	1984	Rainbow Oil & Gas, Inc.	Arco & Winner 1-27	15	13	\$50,000	\$0	\$0	T.B.D.	\$7,500	\$57,500	58	16
Hillsdale	37942	1984	Rainbow Oil & Gas, Inc.	Flick 1-16	12	13	\$50,000	\$0	\$0	T.B.D.	\$7,500	\$57,500	58	16
Hillsdale	37888	1984	Rainbow Oil & Gas, Inc.	Flick 1-21	12	13	\$50,000	\$0	\$0	T.B.D.	\$250,000	\$300,000	58	16
Hillsdale	38407	1984	Rainbow Oil & Gas, Inc.	Flick 2-16	12	13	\$50,000	\$0	\$0	T.B.D.	\$7,500	\$57,500	58	16
Hillsdale	38651	1985	Rainbow Oil & Gas, Inc.	Flick 6-16	12	13	\$50,000	\$0	\$0	T.B.D.	\$7,500	\$57,500	58	16
Hillsdale	41457	1988	Rainbow Oil & Gas, Inc.	Fort 6-17	12	13	\$50,000	\$0	\$0	T.B.D.	\$7,500	\$57,500	58	16
Hillsdale	40120	1986	Rainbow Oil & Gas, Inc.	Kimble & Sharp 2-21A	14	13	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	58	16
Hillsdale	39614	1986	Rainbow Oil & Gas, Inc.	Kimble & Mayo 4-21	16	13	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	58	16
Hillsdale	39227	1985	Rainbow Oil & Gas, Inc.	Mayo & Smith 1-21A	14	13	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	58	16
Hillsdale	42270	1989	Rainbow Oil & Gas, Inc.	Morgan 2-17	10	13	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	58	16
Hillsdale	41482	1988	Rainbow Oil & Gas, Inc.	Warner 1-17	11	13	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	58	16
Hillsdale	42219	1989	Rainbow Oil & Gas, Inc.	Warner 2-17	10	13	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	58	16

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COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	CAT II WELL SCORE	CAT II PROJ. SCORE	PLUGGING COSTS	INTERIM RESPONSE	EVALUA-TION	REMEDIAL ACTION	SITE RESTORA-TION	TOTAL COSTS	STATE HOUSE	STATE SENATE	
Newaygo	40936	1988	Country Boy Oil Company, Inc.	Walch #1-32	13	13	\$40,000	\$0	\$0	T.B.D.	\$10,000	\$50,000	100	34	
Newaygo	54728	2002	Country Boy Oil Company, Inc.	Walch #4-4	14	13	\$40,000	\$0	\$0	T.B.D.	\$10,000	\$50,000	100	34	
Newaygo	54852	2002	Country Boy Oil Company, Inc.	Walch #5-4	14	13	\$40,000	\$0	\$0	T.B.D.	\$10,000	\$50,000	100	34	
Newaygo	26015	1968	Beck, George	Peets #1	12	13	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	100	34	
Oceana	16971	1952	Claybanks Oil Co.	Padziunas # 1	14	20	\$65,000	\$0	\$0	T.B.D.	\$10,000	\$75,000	100	34	
Oceana	16972	1951	Claybanks Oil Co.	Neilsen # 1	29	20	\$65,000	\$0	\$0	T.B.D.	\$10,000	\$75,000	100	34	
Oceana	17365	1952	Claybanks Oil Co.	Neilsen # 2 BDW	20	20	\$65,000	\$0	\$0	T.B.D.	\$10,000	\$75,000	100	34	
Oceana	17366	1952	Claybanks Oil Co.	Neilsen # 3	20	20	\$65,000	\$0	\$0	T.B.D.	\$10,000	\$75,000	100	34	
Washtenaw	1051	1930	Villette, Alfred	Atchinson #1	12	12	\$90,000	\$0	\$0	T.B.D.	\$20,000	\$110,000	97	36	
Bay	1016	1930	Eureka Oil Corp	Lambert-Cloverleaf #1	11	11	\$125,000	\$0	\$0	T.B.D.	\$5,000	\$130,000	98	31	
Saginaw	3996	1937	T.F Caldwell Inc.	Birch Run State Bank #1	11	11	\$125,000	\$0	\$0	T.B.D.	\$25,000	\$150,000	94	32	
Sanilac	966	1930	K-Bar Oil & Gas	Kolodziej #1	11	11	\$125,000	\$0	\$0	T.B.D.	\$5,000	\$130,000	83	25	
Tuscola	64	1928	Murphy Oil Co.	Gottler, Adam #1	11	11	\$150,000	\$0	\$0	T.B.D.	\$25,000	\$175,000	84	31	
Isabella	471	1929	McCandless, J.	Bufford #1	11	11	\$150,000	\$0	\$0	T.B.D.	\$15,000	\$165,000	99	33	
Saint Clair	506	1929	Patterson, BP Trustee	Routley #1	11	11	\$185,000	\$0	\$0	T.B.D.	\$45,000	\$230,000	83	25	
Wexford	N/A	1931	Unknown	Cummer Diggins Location	11	11	\$95,000	\$0	\$0	T.B.D.	\$5,000	\$100,000	102	35	
Lake	60949	2014	Sibley, Larry Oil and Gas Co LLC	State Peacock et al 1-17	10	11	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	100	35	
Lapeer	28086	1970	Kern, Yvonne	Kern #1	10	10	*PC	\$0	\$0	T.B.D.	\$45,000	\$45,000	82	25	
Manistee	39990	1986	Alumni Petroleum and Resource Management Corp.	Marshall Enterprises #1-23C	7	7	*PC	\$0	\$0	T.B.D.	\$20,000	\$20,000	101	35	
Mecosta	16555	1951	Cities Service Oil Company	Peter MacFarlane #1	15	15	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	102	33	
Estimated Costs Remaining:															
Current Number of Category II Orphan Wells:															

*PC = Plugging Complete

CATEGORY II = Wells are abandoned, non-leaking wells.

**TABLE III: ORPHAN WELL LIST FOR 2020
CATEGORY III WELLS**

COUNTY	PERMIT NUMBER	YEAR	COMPANY	WELL NAME & NUMBER	SCORE	TOTAL COSTS TO DATE	ESTIMATED EVALUATION	ESTIMATED REMEDIAL ACTION	ESTIMATED FUTURE COSTS	STATE HOUSE	STATE SENATE
Allegan	17150	1951	Michigan Pipe Co.	Busk # 3	Monitoring	\$55,083	\$0	\$0	\$15,000	88	20
Allegan	15891	1950	Michigan Pipe Co.	Maude Mesick #1	Monitoring	\$46,953	\$10,000	\$50,000	\$60,000	88	20
Genesee	28458	1971	Richter, Ervin	Elliot-Sammons Unit #1	*PC	\$256	\$10,000	\$50,000	\$60,000	48	26
Gladwin	19368	1955	Lakeland Oil Corp.	School Rd	Monitoring	\$214,585	\$1,500	\$5,000	\$6,500	97	36
Gladwin	4568	1937	Schnell, Louis	LaFurgey # 1	18	\$0	\$20,000	\$200,000	\$220,000	97	36
Gladwin	4864	1938	Schnell, Louis	LaFurgey # 2	18	\$0	\$20,000	\$200,000	\$220,000	97	36
Gladwin	4856	1937	Schnell, Louis	Snellenberger # 1	18	\$0	\$20,000	\$200,000	\$220,000	97	36
Kent	6056	1939	Bauman, M.H.	Burgess #1	20	\$35,322	\$5,000	\$75,000	\$80,000	74	28
Manistee	30540	1975	Whitney Oil & Gas Corp.	Hadaway #2-2A	*PC	\$0	\$0	\$0	\$500	101	35
Montcalm	11919	1945	Kill Drilling Co.	Douglas #1	Monitoring	\$249,252	\$50,000	\$35,000	\$85,000	70	33
Montcalm	10816	1944	Stewart, Fred	Charnley - Witherall # 1	44	\$64,900	\$1,500	\$7,000	\$8,500	70	33
Montcalm	10922	1944	Stewart, Fred	Paris #1	Monitoring	\$368,746	\$35,000	\$35,000	\$70,000	70	33
Montcalm	27876	1969	Stewart, James	Graham, H. #1	43	\$42,396	\$50,000	\$150,000	\$200,000	70	33
Montcalm	28170	1970	Stewart, James	Marzig #1	16	\$51,661 ¹	\$5,000	\$50,000	\$55,000	70	33
Muskegon	92	1928	Continental Motors Corp.	Continental #1	47	\$67,155	\$50,000	\$200,000	\$250,000	92	34
Muskegon	85	1928	Muskegon Oil Corp.	Heinz, H. #3	38	\$53,943	\$10,000	\$35,000	\$45,000	92	34
Muskegon	114	1928	W. J. Simon	Reeths #1-D	37	\$86,724	\$20,000	\$50,000	\$70,000	92	34
Muskegon	17673	1952	McCallister, Bernard	Beroza #1	19	\$50,616 ¹	\$5,000	\$50,000	\$55,000	91	34
Muskegon	10425	1943	McCallister, Bernard	Neubeck #1	19	\$50,616 ¹	\$10,000	\$50,000	\$60,000	91	34
Muskegon	33024	1979	McCallister, Bernard	Harmsen #1	23	\$56,662 ¹	\$10,000	\$75,000	\$85,000	92	34
Muskegon	12248	1946	McCallister, Bernard	Zelinka #3	*PC	\$19,575 ¹	\$10,000	\$75,000	\$85,000	91	34
Oceana	33493	1980	Adams, Frank Jr.	Lauber #1-6 BDW	14	\$284,033	\$10,000	\$50,000	\$60,000	100	34
Otsego	29028	1973	Saba Energy of TX	Leacock, Hubbard Underwood Unit #1	Monitoring	\$182,952	\$6,500	\$0	\$6,500	105	36
Otsego	44355	1991	Duff Oil Company	Forterra 1-15	6	\$40,000	\$0	\$0	\$5000	105	36
Ottawa	20899	1958	J & T Distributing	Kneibel #1	19	\$31,951	\$5,000	\$50,000	\$55,000	88	30
Total Costs:						\$2,013,381	\$364,500	\$1,692,000	\$2,076,500		
Total Category III Sites Remaining:						23					

*PC = Plugging Complete

¹ = average cost

CATEGORY III = Wells have been plugged; however, site remediation has not yet been completed.