

Orphan Well Fund Annual Report for Fiscal Year 2020 and Orphan Well List for 2021

Updated February 23, 2021, to add additional wells to the Orphan Well List for 2021 (see yellow highlighted text on pages 7 and 11).

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 2019-2020**

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 Department of Environment, Great Lakes, and Energy’s (EGLE) Supervisor of Wells determines there exists an imminent threat to public health and safety.

Expenditures

Fiscal Year 2019-2020

Plugging and Site Restoration (see Table I for detail)	\$678,862*
Response Activity (see Table II for detail)	\$898
Administrative Costs (i.e., Wages, Supplies, Travel, Supervision)	\$391,548
TOTAL Expenditures	\$1,071,308

*\$200,000 was obtained for the Mason Lumber #1 project through EGLE’s Remediation and Redevelopment Division’s (RRD) Brownfield Program monies.

Accomplishments

Two very difficult orphaned wells were plugged during fiscal year 2020. Both wells were emergency actions.

The ‘Mason Lumber Co. #1’ well (see Table I) was initially drilled in 1872. It was discovered during construction of a modern convention center, a mere 32 inches from an existing six-story hotel at an approximate depth of 12 feet below grade. Gas and oil were leaking from the old casing, and the presence prohibited further construction activities to occur. The Orphan Well Program mobilized in February 2020 and successfully completed the plugging, encountering several significant wellbore issues in the process. Funds were obtained from the RRD’s Brownfield Program monies.

The second well to be addressed as an emergency was the ‘Thomasma #5’ in Kent County. This well was located in a low floodplain area adjacent to the Grand River. The location is also within the Kent County Millennium Park boundaries, a very active recreation area. This well was leaking oil to the surface. Aside from wellbore obstructions and past plugging procedures causing issues, access, mobilization, and site stability were also significant concerns. Operations were suspended and equipment was removed from the site three times due to flooding of the area. Final successful plugging and securing of the old well occurred prior to a massive flood, which placed the well under approximately 20 feet of water.

Environmental response activities were conducted at the Thomasma #5 Site by excavating roughly 300 tons of heavily impacted hydrocarbon soil during site restoration. Additional investigation was conducted by EGLE's Oil, Gas, and Minerals Division (OGMD) staff using a Geoprobe around the former wellhead. Soil verification sampling revealed that residential criteria had been achieved. The ground water at this location will be further analyzed for aesthetic criteria.

2021 Orphan Well List

The Orphan Well List (List), prepared by the 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 2019-2020
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
Kent	6702	1939	Smith Petroleum & Strom-Wagner Oil Company	Thomasma #5 (1 well – 0 TB)	IA	\$327,077	\$69,239	\$0	\$0	\$396,316	75	29
Muskegon	No permit	1872	Mason Lumber Co.	Mason Lumber Co.#1 (1 well – 0 TB)	IA	\$282,546*	\$0	\$0	\$0	\$282,546	99	34
Orphan Well Program Category I & II Costs:						\$609,623	\$69,239	\$0	\$0	\$678,862		
*\$200,000 was obtained for the Mason Lumber #1 project through the EGLE's Remediation and Redevelopment Division Brownfield Program monies.												

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.

**TABLE II: ORPHAN WELL FUND EXPENDITURES FOR FISCAL YEAR 2019-2020
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
Kent	6702	1939	Smith Petroleum Co.	Thomasma #5**	III	\$0	\$0	\$898	\$0	\$898	75	29
Orphan Well Program Category III Costs:						\$0	\$0	\$898	\$0	\$898		

** = 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 2021

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
TOTAL ESTIMATED COSTS:						\$150,000	\$0	T.B.D.	T.B.D.	\$15,000	\$165,000		
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.													
Oceana	728	1929	Chas W. Teater	Stewart Ranch #1	15	\$100,000	\$0	T.B.D.	T.B.D.	\$15,000	\$115,000	100	34
Oceana	728(LH)	1929	Chas W. Teater	Stewart Ranch #1	15	\$80,000	\$0	T.B.D.	T.B.D.	\$5,000	\$85,000	100	34
Midland	1292	1938	Columbia Oil & Gas Co.	Taulker #1	14	\$90,000	\$0	T.B.D.	T.B.D.	\$10,000	\$100,000	98	36
St. 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:						\$570,000	\$0	\$0.	T.B.D.	\$80,000	\$650,000		

TABLE III: ORPHAN WELL LIST FOR 2021

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
Bay	36808	1983	Estate of Aaron Elek III	Lozo 1-34	24	23	\$100,000	\$0	\$0	T.B.D.	\$100,000	\$200,000	96	31
Bay	34389	1981	Estate of Aaron Elek III	Schwab 2-28	22	23	\$100,000	\$0	\$0	T.B.D.	\$100,000	\$200,000	96	31
Bay	36889	1983	Estate of Aaron Elek III	Paige 1-34	23	23	\$100,000	\$0	\$0	T.B.D.	\$100,000	\$200,000	96	31
Bay	37576	1986	Estate of Aaron Elek III	Weiland 1-35	19	22	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	96	31
Bay	37047	1983	Estate of Aaron Elek III	Wendt 1-34	23	23	\$100,000	\$0	\$0	T.B.D.	\$100,000	\$200,000	96	31
Bay	37090	1984	Estate of Aaron Elek III	Wendt 2-34	23	23	\$100,000	\$0	\$0	T.B.D.	\$100,000	\$200,000	96	31
Gladwin	35896	1982	Estate of Aaron Elek III	Campbell 1-12	21	21	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	97	36
Gladwin	36385	1983	Estate of Aaron Elek III	Campbell 3-12	21	21	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	97	36
Gladwin	37141	1984	Estate of Aaron Elek III	Schranz 1-3	21	21	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	97	36
Gladwin	37501	1986	Estate of Aaron Elek III	Schranz 2-3	21	21	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	97	36
Gladwin	37572	1986	Estate of Aaron Elek III	Schranz 3-2	21	21	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	97	36
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
St. Clair	28561	1971	Mineral Dredge LLC	Warrington, Thomas #1	12	17	\$50,000	\$0	\$0	T.B.D.	\$20,000	\$70,000	81	25
St. Clair	24505	1962	Venture Oil and Gas	Thueme 1A	20	17	\$90,000	\$0	\$0	T.B.D.	\$25,000	\$115,000	32	25
St. Clair	21221	1958	Northeastern Energy Corp.	Baumgarten & Rewalt 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	20895	1958	Northeastern Energy Corp.	Baumgarten & Waltos 1	14	17	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	32	25
St. 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
St. Clair	25956	1965	Northeastern Energy Corp.	Rewalt-Teltow 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	19780	1955	Northeastern Energy Corp.	Teltow 1	18	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
St. Clair	21203	1958	Northeastern Energy Corp.	Teltow 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	20994	1958	Northeastern Energy Corp.	Waltos 2	19	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25

TABLE III: ORPHAN WELL LIST FOR 2021

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
St. 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
St. Clair	22154	1960	Northeastern Energy Corp.	Karolak 0-1	20	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
St. Clair	22822	1960	Northeastern Energy Corp.	Llindke 0-4	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. 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
St. 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
St. Clair	22614	1960	Northeastern Energy Corp.	Lindke 0-3	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	22958	1961	Northeastern Energy Corp.	Lyszczk 04	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	22823	1960	Northeastern Energy Corp.	Lyszczyk 0-2	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	22774	1961	Northeastern Energy Corp.	Shissler 1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	22956	1961	Northeastern Energy Corp.	Shissler 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. 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
St. 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
St. 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
St. 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
St. Clair	23124	1961	Northeastern Energy Corp.	Voight B-01	20	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	22591	1960	Northeastern Energy Corp.	Chudy 0-1	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	21266	1959	Northeastern Energy Corp.	Czarnota 1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	21111	1958	Northeastern Energy Corp.	Kammer 1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	21197	1958	Northeastern Energy Corp.	Kammer 1	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	21259	1958	Northeastern Energy Corp.	Kammer 2	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	21368	1959	Northeastern Energy Corp.	Kammer 2	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	21704	1960	Northeastern Energy Corp.	Lindke 0-2	17	17	\$65,000	\$0	\$0	T.B.D.	\$20,000	\$85,000	32	25
St. Clair	21231	1958	Northeastern Energy Corp.	Lindke 1	14	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25

TABLE III: ORPHAN WELL LIST FOR 2021

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
St. 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
St. 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
St. Clair	21397	1959	Northeastern Energy Corp.	Baumgarten B-1	17	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. 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
St. Clair	21718	1959	Northeastern Energy Corp.	Blaszczak B0-1	14	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	21374	1959	Northeastern Energy Corp.	Blaszczak 1	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	23884	1962	Northeastern Energy Corp.	Ignasiak-Matuja 1	19	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	24126	1962	Northeastern Energy Corp.	Ignasiak-Matuja 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	23355	1961	Northeastern Energy Corp.	Jablonski 01	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	25404	1964	Northeastern Energy Corp.	Jablonski 2	16	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. 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
St. Clair	17534	1952	Northeastern Energy Corp.	Rlingel Comm 1	15	17	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. Clair	21319	1960	Northeastern Energy Corp.	Rlingel 0-3	15	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	21899	1959	Northeastern Energy Corp.	Ringel 0-2	17	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	22718	1960	Northeastern Energy Corp.	Taetz 02	18	17	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. 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
St. Clair	23845	1962	NEE Energy Corp.	Fish 2	19	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	23345	1961	Northeastern Energy Corp.	Kammer 1	18	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. 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
St. 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
St. Clair	23097	1961	Northeastern Energy Corp.	Smith 5	17	16	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25
St. 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
St. Clair	23012	1961	Northeastern Energy Corp.	Spurlock 1	18	16	\$45,000	\$0	\$0	T.B.D.	\$20,000	\$65,000	32	25
St. Clair	23040	1961	Northeastern Energy Corp.	Spurlock 2	16	16	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	32	25

TABLE III: ORPHAN WELL LIST FOR 2021

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
St. Clair	23081	1961	Northeastern Energy Corp.	Teutsch 1	19	16	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	32	25
St. Clair	23463	1961	Northeastern Energy Corp.	Thueme 1	15	16	\$0	\$0	\$0	T.B.D.	\$3,500	\$3,500	32	25
St. 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
Montcalm	60175 (3186)	2011	New Haven Energy	Plank # 1-1 Re-Entry	13	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	70	33
Gratiot	3696	1936	New Haven Energy	Browne #1	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22134	1960	New Haven Energy	NH #13	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	27638	1969	New Haven Energy	NH #333-A	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3537	1936	New Haven Energy	Smith #2	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	31581	1977	New Haven Energy	NH #161-A	13	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22126	1960	New Haven Energy	NH #5	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22128	1961	New Haven Energy	NH #7	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22129	1960	New Haven Energy	NH #8	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22130	1960	New Haven Energy	NH #9	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22127	1960	New Haven Energy	Shaver # 6	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3294	1936	New Haven Energy	Shaver #1	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3418	1936	New Haven Energy	Shaver #2	17	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3541	1936	New Haven Energy	Shaver #5	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3284	1936	New Haven Energy	Shaver #B-3B	17	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3585	1936	New Haven Energy	Shaver #B6	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3355	1936	New Haven Energy	Shaver 1	18	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	21608	1960	New Haven Energy	Shaver RB #3	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	21611	1936	New Haven Energy	Shaver RB #7	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	32441	1978	New Haven Energy	NH #350-A Teed	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	26779	1967	New Haven Energy	Shuttleworth #1	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	30884	1976	New Haven Energy	NH #162-A	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	23452	1961	New Haven Energy	NH #18	17	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22186	1960	New Haven Energy	NH #D-2	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3641	1936	New Haven Energy	Stoffs #1	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	3899	1937	New Haven Energy	Standish #1	18	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33

TABLE III: ORPHAN WELL LIST FOR 2021

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
Gratiot	3630	1936	New Haven Energy	F.M. Brown #1	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22132	1960	New Haven Energy	NH #11	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22133	1960	New Haven Energy	NH #12	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22135	1960	New Haven Energy	NH #14	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	30886	1976	New Haven Energy	NH #328-A	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	32242	1978	New Haven Energy	NH #357-A	14	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	23453	1961	New Haven Energy	NH #15	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	8395	1941	New Haven Energy	Wanamaker #1	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22122	1960	New Haven Energy	NH #1	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22185	1960	New Haven Energy	NH #D-1	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	6719	1939	New Haven Energy	Forquer #1	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22123	1960	New Haven Energy	NH #2	19	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22124	1960	New Haven Energy	NH #3	17	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	22125	1960	New Haven Energy	NH #4	16	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Gratiot	5019	1938	New Haven Energy	Stoughton #1	15	16	\$40,000	\$0	\$0	T.B.D.	\$5,000	\$45000	93	33
Oakland	59947	2009	Well Master Production LLC	HCMA 1-16C	16	16	\$80,000	\$0	\$0	T.B.D.	\$125,000	\$205,000	44	15
Oakland	56840	2005	Well Master Production LLC	State Milford & Jar Co 1-36	16	16	\$80,000	\$0	\$0	T.B.D.	\$125,000	\$205,000	44	15
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
Mecosta	60486	2011	Well Master Production	Troyer 1-7A	14	14	\$50,000	\$0	\$0	T.B.D.	\$20,000	\$70,000	102	33
Newaygo	56879	2005	Well Master Production	Daniels 1-1B	13	14	\$100,000	\$0	\$0	T.B.D.	\$50,000	\$150,000	100	34
Mecosta	16555	1951	Cities Service Oil Company	Peter MacFarlane #1	15	14	\$50,000	\$0	\$0	T.B.D.	\$5,000	\$55,000	102	33
Newaygo	40936	1988	Country Boy Oil Company, Inc.	Walch #1-32	13	14	\$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	14	\$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	14	\$40,000	\$0	\$0	T.B.D.	\$10,000	\$50,000	100	34
Oceana	55341	2002	Oceana Production	Brown #2-25	14	14	\$75,000	\$0	\$0	T.B.D.	\$50,000	\$125,000	100	34
Newaygo	57401	2007	Oceana Production	Enders #1	14	14	\$55,000	\$0	\$0	T.B.D.	\$30,000	\$85,000	100	34

TABLE III: ORPHAN WELL LIST FOR 2021

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
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
Newaygo	26015	1968	Beck, George	Peets #1	12	13	\$65,000	\$0	\$0	T.B.D.	\$5,000	\$70,000	100	34
Otsego	60296	2011	Putnam Energy LLC	Fieldstone Partners #2-23	12	12	\$65,000	\$0	\$0	T.B.D.	\$45,000	\$110,000	105	36
Washtenaw	1051	1930	Villette, Alfred	Atchinson #1	12	12	\$90,000	\$0	\$0	T.B.D.	\$20,000	\$110,000	97	36
Calhoun	29555	1974	James Koyl	Koyl 4-15	11	11	\$45,000	\$0	\$0	T.B.D.	\$5,000	\$50,000	62	19
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
St. 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

TABLE III: ORPHAN WELL LIST FOR 2021

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
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
Estimated Costs Remaining:							\$7,930,000	\$0	\$0	T.B.D.	\$2,611,000	\$10,541,000		
Current Number of Category II Orphan Wells:						149								

*PC = Plugging Complete

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

TABLE III: ORPHAN WELL LIST FOR 2021

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	LaFursey #1	18	\$0	\$20,000	\$200,000	\$220,000	97	36
Gladwin	4864	1938	Schnell, Louis	LaFursey #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
Hillsdale	875	1984	Rainbow Oil & Gas	Flick 21A	17	\$0	\$5,000	\$200,000	\$225,000	58	16
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
Midland	2076	1934	Turner, Fred	Eugene St. John B #2	Monitoring	\$0	\$20,000	\$200,000	\$220,000	99	36
Montcalm	17262	1952	Peter Frantz Sr.	Dancer #1 BDW	PC*	\$0	\$20,000	\$200,000	\$220,000	70	33
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:						\$2,053,381	\$409,500	\$2,292,000	\$2,742,000		
Total Category III Sites Remaining:						28					

*PC = Plugging Complete

¹ = average cost

Category III wells have been plugged; however, site remediation has not yet been completed.