




GRETCHEN WHITMER
GOVERNOR

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



LIESL EICHLER CLARK
DIRECTOR

VIA EMAIL

TO: Members of the Michigan Legislature
FROM: Liesl Eichler Clark, Director 
DATE: December 27, 2022
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 2022 and Orphan Well List for 2023.

If you need further information, please contact Adam W. Wygant, Director, Oil, Gas, and Minerals Division, at 517-897-4828; or you may contact me at 517-512-5992.

Attachment

cc/att: Kathryn Summers, Director, Senate Fiscal Agency
Mary Ann Cleary, Director, House Fiscal Agency
Christopher M. Harkins, Director, State Budget Office
Joe Fedewa, Legislative Affairs, Governor's Office
Marc Rehmann, Policy Director, Governor's Office
Chris Semrinec, Senate Fiscal Agency
Austin Scott, House Fiscal Agency
Jacques McNeely, State Budget Office
Zach Hendrix, State Budget Office
Aaron B. Keatley, Chief Deputy Director, EGLE
Travis Boeskool, Legislative Liaison, EGLE
Paul McDonald, EGLE
Dale Shaw, EGLE
Adam W. Wygant, EGLE
Jim Armbruster, EGLE
Kathy Tetzlaff, EGLE

**Orphan Well Fund Annual Report
for Fiscal Year 2022
and
Orphan Well List for 2023**



Michigan Department of Environment, Great Lakes, and Energy
Oil, Gas, and Minerals Division

Pursuant to 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:

Michigan Department of Environment, Great Lakes, and Energy
Oil, Gas, and Minerals Division
P.O. Box 30256
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517-284-6823

**ORPHAN WELL FUND ANNUAL REPORT
FISCAL YEAR 2022**

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 2022

Plugging and Site Restoration (see Table I for details)	\$859,318
Response Activity (see Table II for details)	\$148,873
Administrative Costs (i.e., Wages, Supplies, Travel, Supervision)	\$602,561
TOTAL Expenditures	\$1,610,752

Accomplishments

Five orphaned oil wells were plugged. The first well, in St. Clair County, was leaking methane gas to the surface. This circa 1910 gas well was located approximately 5 feet from the front door of the Buckland Industries building in Port Huron. A portion of the roof and front wall had to be dismantled so the rig could get close enough to the well. Nearby overhead power lines, tight working conditions, and a busy intersection did not deter crews from successfully reentering and properly plugging this Category I Well.

The next three wells, located in Bay County, had dangerous levels of hydrogen sulfide gas and were located near residential and agricultural properties. Rig crews had to contend with high levels of paraffin and poison gas during the plugging process. These wells were all properly plugged to surface.

The final well, located in Lake County, was plugged in cooperation with the United States Forest Service (USFS), the Michigan Department of Natural Resources, and the Michigan Department of Environment, Great Lakes, and Energy's Oil, Gas, and Minerals Division (OGMD). Federal funding through the Good Neighbor Authority grant was utilized to plug a remote well on USFS property. The 2,000 feet deep well was successfully reentered and plugged back to surface. Site restoration included planting native grasses and flowers to promote a wide variety of wildlife.

In Kent County, groundwater monitoring at the Thomsma #5 well was conducted to verify the success of a soil remediation effort conducted in 2020. Soil and groundwater laboratory results show that this former contaminated orphan well site has now been closed under Generic Residential Criteria in Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

In Bay County, an Interim Response activity was conducted to properly empty and clean out tanks at a tank battery containing sour oil. In addition, numerous drums containing oilfield waste liquids were properly disposed, and several tons of oil impacted soil was excavated and disposed at a landfill disposal facility.

Two tank batteries located in Hillsdale County had the tank contents emptied, tanks and liners steam cleaned, and all generated waste properly disposed to mitigate a serious threat to the public and environment. Thick oily sludge on the liner and inside tanks and tank bottoms in the tanks made cleaning difficult, but crews were able to successfully complete the job using steam from a hot oiler truck.

2023 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, oil or gas facilities scheduled to be decommissioned, and those at which interim response, remedial investigation, remediation, or site restoration should be performed with money from the Orphan Well Fund and/or Infrastructure Investment and Jobs Act Federal Grant funds. The List is arranged in order of priority using the score assessment determined for each well or project. The entire cost of each well or project, as well as the cost of each phase of the project, is estimated (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: environmental justice considerations, presence and type of contaminants in soils or groundwater from spills, potential for future contamination, sensitivity of drinking water supplies, degree to which groundwater is protected by geology, age of the well, presence of hydrogen sulfide gas, potential for public exposure to contaminants, the environmental sensitivity of the area, and if elevated levels of naturally occurring radioactive materials (NORM) exist in the well or associated equipment.

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.

APPENDIX A

**TABLE I: ORPHAN WELL FUND EXPENDITURES FOR FISCAL YEAR 2022
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
Saint Clair	696	1910	Company Unknown	Henry Burke Well (1 well, 0- TB)	I	\$246,731	\$35,000	\$0	\$0	\$281,731	64	25
Bay	34389 36889 37090	1981 1983 1984	Estate of Aaron Elek III	Schwab 2-28 Paige 1-34 A Wendt 2-34	II	\$460,589	\$0	\$0	\$0	\$460,589	96	35
Lake	60949	2014	Larry Sibley Oil & Gas Company	State Peacock 1-17	II	\$96,998	\$20,000	\$0	\$0	\$116,998	101	33
Orphan Well Program Category I & II Costs:						\$804,318	\$55,000	\$0	\$0	\$859,318		

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 groundwater used for public consumption.

CATEGORY IB = wells are abandoned oil and gas wells that are leaking oil, resulting in contamination of soils, surface water resources, or the groundwater where water wells used for public consumption are not yet contaminated.

CATEGORY IC = wells are abandoned oil and gas wells that are leaking gas or brine, resulting in contamination of soils, surface water resources, or the groundwater where water wells used for public consumption are not yet contaminated.

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

**TABLE II: ORPHAN WELL FUND EXPENDITURES FOR FISCAL YEAR 2022
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
Hillsdale	FN 875 FN 873	1997 1997	Rainbow Oil and Gas, Inc.	Flick 21A CTB Carpenter B1-22 TB	III	\$0	\$0	\$0	\$133,272	\$133,272	35	16
Bay	FN 638	1984	Estate of Aaron Elek III	Wendt 2-34 TB	III	\$0	\$0	\$0	\$15,486	\$15,486	96	35
Kent	6702	1939	Smith Petroleum Co.	Thomasma 5	III	\$0	\$0	\$115	\$0	\$115	84	30
Orphan Well Program Category III Costs:						\$0	\$0	\$115	\$148,758	\$148,873		

** = Continuing Groundwater Remediation Project

Category III = wells have been plugged or facilities have been decommissioned; however, site restoration and/or site remediation has not yet been completed

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY I WELLS**

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/ FACILITY NAME	WELL/ FACILITY SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	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 groundwater used for public consumption.												
None												
CATEGORY IB: Wells are leaking oil, resulting in contamination of soils, surface water resources, or the groundwater where water wells used for public consumption are not yet contaminated.												
None												
CATEGORY IC: Wells are leaking gas or brine, resulting in contamination of soils, surface water resources, or the groundwater where water wells used for public consumption are not yet contaminated.												
Northeastern Energy Initial Project	Saint Clair	17534	1952	Northeastern Energy Corp.	Ringel Comm 1	23	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21374	1959	Northeastern Energy Corp.	Blazczak 1	23	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	22956	1961	Northeastern Energy Corp.	Shissler 2	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	19780	1955	Northeastern Energy Corp.	Teltow 1	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	22774	1961	Northeastern Energy Corp.	Shissler 1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	20895	1958	Northeastern Energy Corp.	Baumgarten & Waltos 1	19	20	\$120,000	\$15,000	\$135,000	63	25
Total Costs:								\$720,000	\$90,000	\$810,000		

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY II WELLS - PRIORITIZED**

Category II = wells and facilities are abandoned; non-leaking

Projects are delineated by the alternatively shaded and non-shaded groups

FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FN FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Energex Petroleum - Addison 12 CPF	Oakland	FN 12	NA	Energex Petroleum	Addison 12 CPF	30	30	\$500,000	\$50,000	\$550,000	66	24
Elek Bay Facility Project	Bay	FN 627	NA	Estate Of Aaron Elek III	Schwab 2-28 TB	24	25	\$180,000	\$20,000	\$200,000	96	35
Elek Bay Facility Project	Bay	FN 637	NA	Estate Of Aaron Elek III	Paige 1-34 TB	26	25	\$180,000	\$20,000	\$200,000	96	35
Elek Bay Facility Project	Bay	FN 638	NA	Estate Of Aaron Elek III	Wendt 2-34 TB	25	25	\$100,000	\$15,000	\$115,000	96	35
Elek Bay Facility Project	Bay	FN 639	NA	Estate Of Aaron Elek III	Wendt 1-34 TB	25	25	\$180,000	\$10,000	\$190,000	96	35
Elek Bay Facility Project	Bay	FN 633	NA	Estate Of Aaron Elek III	Lozo 1-34 TB	26	25	\$100,000	\$15,000	\$115,000	96	35
Elek Bay Facility Project	Bay	FN 667	NA	Estate Of Aaron Elek III	Wieland 1-35 TB	24	25	\$50,000	\$10,000	\$60,000	96	35
Elek Bay Facility Project	Bay	34389	1981	Estate Of Aaron Elek III	Schwab 2-28	NA	25	\$0	\$5,000	\$5,000	96	35
Elek Bay Facility Project	Bay	36889	1983	Estate Of Aaron Elek III	Paige 1-34	NA	25	\$0	\$5,000	\$5,000	96	35
Elek Bay Facility Project	Bay	37090	1983	Estate Of Aaron Elek III	Wendt 2-34	NA	25	\$0	\$5,000	\$5,000	96	35
Elek Buckeye Multi-Well Project	Gladwin	37572	1986	Estate Of Aaron Elek III	Schranz 3-2	23	23	\$120,000	\$15,000	\$135,000	99	34
Elek Buckeye Multi-Well Project	Gladwin	37141	1984	Estate Of Aaron Elek III	Schranz 1-3	23	23	\$120,000	\$15,000	\$135,000	99	34
Elek Buckeye Multi-Well Project	Gladwin	37501	1986	Estate Of Aaron Elek III	Schranz 2-3	23	23	\$120,000	\$15,000	\$135,000	99	34
Elek Buckeye Multi-Well Project	Gladwin	35896	1982	Estate Of Aaron Elek III	Campbell 1-12	23	23	\$120,000	\$15,000	\$135,000	99	34
Elek Buckeye Multi-Well Project	Gladwin	36385	1983	Estate Of Aaron Elek III	Campbell 3-12	23	23	\$120,000	\$15,000	\$135,000	99	34
Northeastern Energy Initial Project	Saint Clair	FN 1116	NA	Northeastern Energy Corp.	Karolak TB	24	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	22154	1960	Northeastern Energy Corp.	Karolak 0-1	23	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1114	NA	Northeastern Energy Corp.	Kammer Mills CTB	21	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	20994	1958	Northeastern Energy Corp.	Waltos 2	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21111	1958	Northeastern Energy Corp.	Kammer 1	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21266	1959	Northeastern Energy Corp.	Czarnota 1	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21203	1958	Northeastern Energy Corp.	Teltow 1	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	22591	1960	Northeastern Energy Corp.	Chudy 0-1	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	20551	1957	Northeastern Energy Corp.	Waltos Et Al 1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21188	1958	Northeastern Energy Corp.	Kaminski-Desgrandchamp Unit 1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21197	1958	Northeastern Energy Corp.	Kammer 1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21259	1958	Northeastern Energy Corp.	Kammer 2	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	22715	1960	Northeastern Energy Corp.	Schultz Et Ux 1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	22772	1961	Northeastern Energy Corp.	Schulz Et Ux 2	19	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21368	1959	Northeastern Energy Corp.	Kammer 2	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	21231	1958	Northeastern Energy Corp.	Lindke 1	17	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1086	NA	Northeastern Energy Corp.	Kaminski 1 TB	22	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1150	NA	Northeastern Energy Corp.	Schulz CTB	22	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1115	NA	Northeastern Energy Corp.	Kammer McPheron CTB	21	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 188	NA	Northeastern Energy Corp.	Peters Central Compression Facility	20	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1083	NA	Northeastern Energy Corp.	Chudy 1 TB	19	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1129	NA	Northeastern Energy Corp.	Waltos 1 TB	17	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1126	NA	Northeastern Energy Corp.	Teltow TB	16	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1084	NA	Northeastern Energy Corp.	Czarnota TB	15	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1128	NA	Northeastern Energy Corp.	Uppleger TB	15	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Energy Initial Project	Saint Clair	FN 1085	NA	Northeastern Energy Corp.	Desgrandchamp WSS TB	13	20	\$40,000	\$10,000	\$50,000	63	25
Claybanks Oil	Oceana	16971	1952	Claybanks Oil Co.	Padziunas 1	18	22	\$120,000	\$15,000	\$135,000	102	32
Claybanks Oil	Oceana	16972	1951	Claybanks Oil Co.	Neilsen 1	30	22	\$120,000	\$15,000	\$135,000	102	32
Claybanks Oil	Oceana	17365	1952	Claybanks Oil Co.	Neilsen 2 BDW	19	22	\$120,000	\$15,000	\$135,000	102	32

**TABLE III: ORPHAN WELL LIST FOR 2023
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Projects are delineated by the alternatively shaded and non-shaded groups

FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Claybanks Oil	Oceana	17366	1952	Claybanks Oil Co.	Neilsen 3	22	22	\$120,000	\$15,000	\$135,000	102	32
Northeastern Boyd & Venture Oil	Saint Clair	21879	1959	Northeastern Energy Corp.	Baumgarten C-0-1	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	23884	1962	Northeastern Energy Corp.	Ignasiak-Matuja 1	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	24505	1962	Venture Oil and Gas	Thueme 1A	22	20	\$110,000	\$30,000	\$140,000	63	12
Northeastern Boyd & Venture Oil	Saint Clair	22718	1960	Northeastern Energy Corp.	Taetz 02	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	17717	1959	Northeastern Energy Corp.	Weiss Comm B-1	20	20	\$120,000	\$15,000	\$135,000	63	12
Northeastern Boyd & Venture Oil	Saint Clair	21397	1959	Northeastern Energy Corp.	Baumgarten B-1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	21899	1959	Northeastern Energy Corp.	Ringel 0-2	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	23355	1961	Northeastern Energy Corp.	Jablonski 01	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	24126	1962	Northeastern Energy Corp.	Ignasiak-Matuja 2	19	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	25404	1964	Northeastern Energy Corp.	Jablonski 2	19	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	21319	1960	Northeastern Energy Corp.	Ringel 0-3	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	21570	1959	Northeastern Energy Corp.	Reske Et Al 0-1	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	21718	1959	Northeastern Energy Corp.	Blaszczak B0-1	17	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Boyd & Venture Oil	Saint Clair	FN 940	NA	Northeastern Energy Corp.	Ignasiak-Matuja CTB	18	20	\$40,000	\$10,000	\$50,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23081	1961	Northeastern Energy Corp.	Teutsch 1	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23845	1962	Northeastern Energy Corp.	Fish 2	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	21221	1958	Northeastern Energy Corp.	Baumgarten & Rewalt 1	21	20	\$120,000	\$15,000	\$135,000	65	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23012	1961	Northeastern Energy Corp.	Spurlock 1	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23345	1961	Northeastern Energy Corp.	Kammer 1	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	25956	1965	Northeastern Energy Corp.	Rewalt-Teltow 1	21	20	\$120,000	\$15,000	\$135,000	65	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23041	1961	Northeastern Energy Corp.	Smith Et Ux 6	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23097	1961	Northeastern Energy Corp.	Smith 5	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23151	1961	Northeastern Energy Corp.	Schomburg & Bousson Unit 2	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23040	1961	Northeastern Energy Corp.	Spurlock 2	19	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	22964	1961	Northeastern Energy Corp.	Schomburg & Bousson Unit 1	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 15, 23-26	Saint Clair	23958	1962	Northeastern Energy Corp.	Edge & Schlottman Et al #1	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	23124	1961	Northeastern Energy Corp.	Voight B-01	23	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22784	1961	Northeastern Energy Corp.	Smith Et Ux 2	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22823	1960	Northeastern Energy Corp.	Lyszczyk 0-2	22	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22807	1960	Northeastern Energy Corp.	Lindke & Smith B-01	21	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22666	1960	Northeastern Energy Corp.	Smith Et Ux 1	20	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22824	1960	Northeastern Energy Corp.	Smith Et Ux 3	19	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22822	1960	Northeastern Energy Corp.	Lindke 0-4	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22847	1960	Northeastern Energy Corp.	Lindke & Smith B-02	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	22958	1961	Northeastern Energy Corp.	Lyszczk 04	18	20	\$120,000	\$15,000	\$135,000	63	25
Northeastern Casco Sec 27	Saint Clair	23093	1961	Northeastern Energy Corp.	Smith Et Ux 4	18	20	\$120,000	\$15,000	\$135,000	63	25
Rainbow Oil Facility Project	Hillsdale	FN 873	NA	Rainbow Oil & Gas	Carpenter B1-22 CTB	21	19	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil Facility Project	Hillsdale	FN 875	NA	Rainbow Oil & Gas	Flick 21A CTB	17	19	\$250,000	\$50,000	\$300,000	35	16
Well Master Oakland	Oakland	59947	2009	Well Master Production	HCMA 1-16C	16	18	\$80,000	\$125,000	\$205,000	51	23
Well Master Oakland	Oakland	56840	2005	Well Master Production	State Milford & Jar Co 1-36	19	18	\$80,000	\$125,000	\$205,000	51	23
New Haven Sec 5-10 & Plank 1-1	Gratiot	26779	1967	New Haven Energy	Shuttleworth 1	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	23452	1961	New Haven Energy	MCGC 18	19	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	3641	1936	New Haven Energy	Stoffs 1	18	18	\$80,000	\$10,000	\$90,000	93	34

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY II WELLS - PRIORITIZED**

Category II = wells and facilities are abandoned; non-leaking

Projects are delineated by the alternatively shaded and non-shaded groups

FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
New Haven Sec 5-10 & Plank 1-1	Gratiot	22186	1960	New Haven Energy	MCGC D-2	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	3899	1937	New Haven Energy	Standish 1	20	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	3630	1936	New Haven Energy	F.M. Brown 1	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	22132	1960	New Haven Energy	MCGC 11	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	22133	1960	New Haven Energy	MCGC 12	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	22135	1960	New Haven Energy	MCGC 14	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	30886	1976	New Haven Energy	MCGC NH 328-A	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Gratiot	32242	1978	New Haven Energy	MCGC NH 357-A	16	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 5-10 & Plank 1-1	Montcalm	60175	2011	New Haven Energy	Plank 1-1 Re-Entry	15	18	\$80,000	\$10,000	\$90,000	93	33
New Haven Sumner Sec 31-33	Gratiot	8395	1941	New Haven Energy	Wanamaker 1	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	22185	1960	New Haven Energy	MCGC D-1	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	23453	1961	New Haven Energy	MCGC 15	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	6719	1939	New Haven Energy	Forquer 1	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	22122	1960	New Haven Energy	MCGC 1	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	22123	1960	New Haven Energy	MCGC 2	21	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	22124	1960	New Haven Energy	MCGC 3	19	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	22125	1960	New Haven Energy	MCGC 4	18	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Sumner Sec 31-33	Gratiot	5019	1938	New Haven Energy	Johnson, Clyde, & Stoughton 1	17	18	\$80,000	\$10,000	\$90,000	93	34
New Haven Compressor Station	Gratiot	FN 2843	NA	New Haven Energy	New Haven Compressor Station	18	18	\$250,000	\$50,000	\$300,000	93	34
Northeastern Facility Project	Saint Clair	21104	1958	Northeastern Energy Corp.	Desgrandchamp, Wolf, Schank, Schultz 1	NA	18	\$0	\$50,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	21184	1958	Northeastern Energy Corp.	Upplegger 1	15	18	\$0	\$15,000	\$15,000	63	25
Northeastern Facility Project	Saint Clair	FN 1081	NA	Northeastern Energy Corp.	Baumgarten-Rewalt TB	21	18	\$40,000	\$10,000	\$50,000	65	25
Northeastern Facility Project	Saint Clair	FN 1122	NA	Northeastern Energy Corp.	Rewalt Teltow TB	19	18	\$40,000	\$10,000	\$50,000	65	25
Northeastern Facility Project	Saint Clair	FN 1154	NA	Northeastern Energy Corp.	Schulz 3 TB	18	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	21703	1959	Northeastern Energy Corp.	Burman 0-1	17	18	\$0	\$15,000	\$15,000	63	25
Northeastern Facility Project	Saint Clair	23463	1961	Northeastern Energy Corp.	Thueme 1	16	18	\$0	\$15,000	\$15,000	63	25
Northeastern Facility Project	Saint Clair	FN 1151	NA	Northeastern Energy Corp.	Smith 2 CTB	22	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 1119	NA	Northeastern Energy Corp.	Lindke Smith B1 CTB	18	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 1120	NA	Northeastern Energy Corp.	Lyszczk 2 CTB	19	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 1123	NA	Northeastern Energy Corp.	Schomberg Bousson CTB	18	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 1124	NA	Northeastern Energy Corp.	Shissler CTB	19	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 1125	NA	Northeastern Energy Corp.	Spurlock CTB	16	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 1082	NA	Northeastern Energy Corp.	Burmann TB	17	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 922	NA	Northeastern Energy Corp.	Blazczak TB	19	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 924	NA	Northeastern Energy Corp.	Blazczak B TB	18	18	\$730	\$10,000	\$10,730	63	25
Northeastern Facility Project	Saint Clair	FN 944	NA	Northeastern Energy Corp.	Reske 0-1 TB	20	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 3391	NA	Northeastern Energy Corp.	Ringel 2 CTB	18	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 969	NA	Northeastern Energy Corp.	Baumgarten CTB	18	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 945	NA	Northeastern Energy Corp.	Taetz 0-2 TB	16	18	\$40,000	\$10,000	\$50,000	63	25
Northeastern Facility Project	Saint Clair	FN 941	NA	Northeastern Energy Corp.	Jablonski CTB	15	18	\$40,000	\$10,000	\$50,000	63	25
Blue Bay Facility Project	Benzie	FN 2894	NA	Blue Bay Oil & Gas	Hungry Horses 31 TB	15	17	\$75,000	\$10,000	\$85,000	104	32
Blue Bay Facility Project	Benzie	FN 3269	NA	Blue Bay Oil & Gas	Joyfield-Putney D1-35 SWD CTB	17	17	\$100,000	\$10,000	\$110,000	104	32
Blue Bay Facility Project	Benzie	FN 3175	NA	Blue Bay Oil & Gas	Joyfield-Wallaker Booster D1-36	17	17	\$120,000	\$20,000	\$140,000	104	32

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FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Blue Bay Facility Project	Manistee	FN 3142	NA	Blue Bay Oil & Gas	Reed Booster CPF	15	17	\$100,000	\$20,000	\$120,000	104	32
Blue Bay Facility Project	Manistee	FN 2055	NA	Blue Bay Oil & Gas	Pleasanton 26 CPF	22	17	\$250,000	\$30,000	\$280,000	104	32
Energex Petroleum Multi-Well Project	Oakland	32168	1978	Energex Petroleum	Lanphar 1-12	16	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Oakland	32366	1979	Energex Petroleum	Lanphar 2-12	16	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Oakland	32541	1978	Energex Petroleum	Lanphar 3-12	16	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Oakland	32579	1979	Energex Petroleum	Morris 4-12	16	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Oakland	39257	1987	Energex Petroleum	Lanphar 7-12	16	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Macomb	29994	1974	Energex Petroleum	Jones Unit 1-30	19	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Macomb	30518	1975	Energex Petroleum	Ross Unit 1-31	17	17	\$150,000	\$15,000	\$165,000	66	24
Energex Petroleum Multi-Well Project	Saint Clair	24615	1963	Energex Petroleum	Marcinkiewicz 2	17	17	\$150,000	\$15,000	\$165,000	65	25
Energex Petroleum Multi-Well Project	Saint Clair	24616	1963	Energex Petroleum	Stoltz 2	16	17	\$150,000	\$15,000	\$165,000	65	25
Kalamazoo District Facility Project	Oceana	FN 1936	NA	Claybanks Oil Co.	Neilsen A4-1 TB	21	17	\$150,000	\$20,000	\$170,000	102	32
Kalamazoo District Facility Project	Newaygo	FN 2235	NA	Wellmaster Production	Daniels 1A (C4-01) TB	16	17	\$150,000	\$25,000	\$175,000	101	33
Kalamazoo District Facility Project	Newaygo	FN 2176	NA	Country Boy Oil Co Inc	Walch 1-32 (D4-32)	14	17	\$100,000	\$10,000	\$110,000	101	33
Kalamazoo District Facility Project	Newaygo	FN 3059	NA	Country Boy Oil Co Inc	Walch 5-4 (D1-04)	15	17	\$100,000	\$10,000	\$110,000	101	33
Kalamazoo District Facility Project	Oceana	FN 2162	NA	Black River Oil Corporation	Brown #D4-25	NA	17	\$150,000	\$20,000	\$170,000	101	32
Kalamazoo District Facility Project	Newaygo	FN 2174	NA	Black River Oil Corporation	Schropp & Vanderlay Mills #B1-09	NA	17	\$170,000	\$20,000	\$190,000	101	33
New Haven Sec 3	Gratiot	3537	1936	New Haven Energy	Smith 2	16	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 3	Gratiot	3696	1936	New Haven Energy	Browne 1	18	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 3	Gratiot	22134	1960	New Haven Energy	MCGC 13	18	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 3	Gratiot	27638	1969	New Haven Energy	MCGC NH 333-A	16	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 3	Gratiot	32241	1978	New Haven Energy	MCGC NH 350A	17	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	3284	1936	New Haven Energy	Shaver 3-B	19	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	3294	1936	New Haven Energy	Shaver Robert B 1	17	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	3355	1936	New Haven Energy	Shaver R B 1	20	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	3418	1936	New Haven Energy	Shaver R B 2	19	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	3541	1936	New Haven Energy	Shaver R B 5	17	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	3585	1936	New Haven Energy	Shaver R B 6	18	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	21608	1960	New Haven Energy	Shaver R B 3	16	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	21611	1936	New Haven Energy	Shaver R B 7	17	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	22126	1960	New Haven Energy	MCGC 5	16	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	22127	1960	New Haven Energy	MCGC 6	18	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	22128	1961	New Haven Energy	MCGC 7	18	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	22129	1960	New Haven Energy	MCGC NH 8	16	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	22130	1960	New Haven Energy	MCGC 9	17	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	30884	1976	New Haven Energy	MCGC NH 162-A	16	17	\$80,000	\$10,000	\$90,000	93	34
New Haven Sec 4	Gratiot	31581	1977	New Haven Energy	MCGC NH 161-A	15	17	\$80,000	\$10,000	\$90,000	93	34
Country Boy Oil Multi-Well Project	Newaygo	40936	1988	Country Boy Oil Company	Walch 1-32	15	16	\$120,000	\$10,000	\$130,000	101	33
Country Boy Oil Multi-Well Project	Newaygo	54728	2002	Country Boy Oil Company	Walch 4-4	16	16	\$120,000	\$10,000	\$130,000	101	33
Country Boy Oil Multi-Well Project	Newaygo	54852	2002	Country Boy Oil Company	Walch 5-4	16	16	\$120,000	\$10,000	\$130,000	101	33
Country Boy Oil Multi-Well Project	Newaygo	57401	2007	Oceana Production	Enders 1	16	16	\$120,000	\$10,000	\$130,000	101	33
Country Boy Oil Multi-Well Project	Oceana	55341	2002	Oceana Production	Brown 2-25	16	16	\$120,000	\$30,000	\$150,000	101	32
Country Boy Oil Multi-Well Project	Newaygo	37328	1984	Black River Oil	Vanderley & Millis 1-5C	16	16	\$120,000	\$10,000	\$130,000	101	33
Country Boy Oil Multi-Well Project	Newaygo	40098	1986	Black River Oil	Schropp 1-9	16	16	\$120,000	\$10,000	\$130,000	101	33

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Country Boy Oil Multi-Well Project	Oceana	40841	1988	Black River Oil	Brown 1-25A	15	16	\$120,000	\$10,000	\$130,000	101	32
Kern Tank Battery Project	Lapeer	FN 1515	NA	Kern, Yvonne	Yvonne Kern TB	15	15	\$50,000	\$10,000	\$60,000	67	26
Northstar Facility Project	Charlevoix	FN 3094	2007	Northstar Energy	Chandler D2-26 (Chandler North) GCF	16	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Charlevoix	FN 2981	2005	Northstar Energy	Hudson C2-13 (Hudson 13) SF	16	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Charlevoix	FN 2989	2004	Northstar Energy	Hudson D1-15 (Hudson NE) SF	16	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Charlevoix	FN 2990	2005	Northstar Energy	Hudson B2-19 (Hudson NW) SF	14	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Charlevoix	FN 2968	2005	Northstar Energy	Hudson B3-20 SF	16	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Charlevoix	FN 2923	2004	Northstar Energy	Hudson 34 (D2-28) CPF	16	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Charlevoix	56323	2005	Northstar Energy	Frontier SHR 8-30 SWD	NA	15	\$100,000	\$20,000	\$120,000	107	37
Northstar Facility Project	Cheboygan	FN 23271	2006	Northstar Energy	Wilmot C2-34 (Ashley C2-34 SWD) SF	14	15	\$100,000	\$20,000	\$120,000	106	37
Northstar Facility Project	Cheboygan	FN 2979	2005	Northstar Energy	Wilmot B2-34 (Blackbear) CPF	16	15	\$100,000	\$20,000	\$120,000	106	37
Northstar Facility Project	Montmorency	FN 2982	2005	Northstar Energy	W Montmorency B4-32 (Blue chip) CPF	12	15	\$100,000	\$20,000	\$120,000	106	36
Northstar Facility Project	Otsego	FN 3060	2006	Northstar Energy	W Corwith C2-5 GCF	13	15	\$100,000	\$20,000	\$120,000	105	36
Rainbow Oil	Calhoun	59013	2008	Rainbow Oil & Gas	Warner 2-7	18	15	\$100,000	\$85,000	\$185,000	44	17
Rainbow Oil	Hillsdale	37942	1984	Rainbow Oil & Gas	Flick 1-16	14	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	38407	1984	Rainbow Oil & Gas	Flick 2-16	14	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	38651	1985	Rainbow Oil & Gas	Flick 6-16	14	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	41457	1988	Rainbow Oil & Gas	Fort 6-17	14	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	41482	1988	Rainbow Oil & Gas	Warner 1-17	13	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	42219	1989	Rainbow Oil & Gas	Warner 2-17	12	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	42270	1989	Rainbow Oil & Gas	Morgan 2-17	12	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	37888	1984	Rainbow Oil & Gas	Flick 1-21	14	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	39227	1985	Rainbow Oil & Gas	Mayo & Smith 1-21A	16	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	39614	1986	Rainbow Oil & Gas	Kimble & Mayo 4-21	18	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	40120	1986	Rainbow Oil & Gas	Kimble & Sharp 2-21A	16	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	37796	1984	Rainbow Oil & Gas	Arco & Winner 1-27	17	15	\$100,000	\$10,000	\$110,000	35	16
Rainbow Oil	Hillsdale	FN 2799	NA	Rainbow Oil & Gas	Arco & Winner 1-27 TB	NA	NA	\$40,000	\$10,000	\$50,000	35	16
Wellmaster - HCMA Unit 1 TB Project	Oakland	FN 2495	NA	Wellmaster Production	HCMA Unit 1 TB	15	15	\$300,000	\$25,000	\$325,000	51	23
Well Master Mecosta-Newaygo	Mecosta	60486	2011	Well Master Production	Troyer 1-7A	14	15	\$120,000	\$20,000	\$140,000	100	34
Well Master Mecosta-Newaygo	Newaygo	56879	2005	Well Master Production	Daniels 1-1B	15	15	\$120,000	\$50,000	\$170,000	101	33
Southern Michigan Plugging Project	Mecosta	16555	1951	Cities Service Oil Company	Peter MacFarlane 1	16	14	\$100,000	\$10,000	\$110,000	100	34
Southern Michigan Plugging Project	Newaygo	26015	1968	Beck, George	Peets 1	15	14	\$100,000	\$10,000	\$110,000	101	33
Southern Michigan Plugging Project	Washtenaw	1051	1930	Villette, Alfred	Atchinson 1	14	14	\$120,000	\$25,000	\$145,000	32	15
Southern Michigan Plugging Project	Saint Clair	28561	1971	Mineral Dredge LLC	Warrington Thomas 1	14	14	\$100,000	\$25,000	\$125,000	63	25
Southern Michigan Plugging Project	Calhoun	32917	1979	Paul Piepkow	Piepkow 2-12	13	14	\$100,000	\$10,000	\$110,000	44	17
Southern Michigan Plugging Project	Calhoun	29555	1974	James Koyl	Koyl 4-15	13	14	\$100,000	\$10,000	\$110,000	44	17
Southern Michigan Plugging Project	Saint Clair	506	1929	Patterson, BP Trustee	Routley 1	13	14	\$225,000	\$50,000	\$275,000	64	25
Southern Michigan Plugging Project	Mecosta	2909	1936	Hal Be Oyle and Gas Corp	Sears, F. 1	12	14	\$75,000	\$5,000	\$80,000	100	34
Blue Bay Multi-Well Project	Benzie	60251	2011	Blue Bay Oil & Gas	Hart C2-34	18	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59540	2010	Blue Bay Oil & Gas	Zenker D4-34	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59589	2009	Blue Bay Oil & Gas	Nyquist B2-35	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59127	2008	Blue Bay Oil & Gas	Putney D1-35	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59128	2008	Blue Bay Oil & Gas	Smeltzer A2-33	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59253	2008	Blue Bay Oil & Gas	Lathwell Farms A2-34	14	13	\$20,000	\$10,000	\$30,000	104	32

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Blue Bay Multi-Well Project	Benzie	59488	2008	Blue Bay Oil & Gas	Smeltzer B4-28	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59639	2010	Blue Bay Oil & Gas	Frank C4-27	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59685	2009	Blue Bay Oil & Gas	Lathwell Farms B4-34	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59726	2010	Blue Bay Oil & Gas	Presidium D1-36 SWD	14	13	\$125,000	\$20,000	\$145,000	104	32
Blue Bay Multi-Well Project	Benzie	60084	2010	Blue Bay Oil & Gas	Barrett D1-36	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60187	2010	Blue Bay Oil & Gas	Barrett C2-36	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60191	2010	Blue Bay Oil & Gas	State Joyfield & Putney C2-35	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59481	2008	Blue Bay Oil & Gas	Frank A2-36	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59489	2008	Blue Bay Oil & Gas	McDougall C4-35	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59515	2009	Blue Bay Oil & Gas	Smeltzer A4-33	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59560	2009	Blue Bay Oil & Gas	Lathwell D1-26	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59686	2009	Blue Bay Oil & Gas	Lathwell Farms A4-34	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59697	2009	Blue Bay Oil & Gas	Putney D1-35 SWD	13	13	\$25,000	\$15,000	\$40,000	104	32
Blue Bay Multi-Well Project	Benzie	60255	2011	Blue Bay Oil & Gas	Reed B2-27	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59030	2008	Blue Bay Oil & Gas	Zenker D4-14	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59541	2009	Blue Bay Oil & Gas	Smeltzer C4-28	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60123	2010	Blue Bay Oil & Gas	Lathwell Farms B1-34	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60283	2011	Blue Bay Oil & Gas	Pietszyk A2-26	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59590	2010	Blue Bay Oil & Gas	State Joyfield & Sauer B3-23	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60197	2010	Blue Bay Oil & Gas	State Joyfield B1-36	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60259	2011	Blue Bay Oil & Gas	Hart D1-34	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59291	2008	Blue Bay Oil & Gas	Lindgren D1-14	10	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59538	2008	Blue Bay Oil & Gas	Evans Bros. Fruit Co. C1-33	10	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59539	2008	Blue Bay Oil & Gas	Evans Bros. Fruit Co. D2-33	10	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	60258	2011	Blue Bay Oil & Gas	Smeltzer C4-33	9	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59428	2008	Blue Bay Oil & Gas	Wallace D1-1	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59083	2008	Blue Bay Oil & Gas	Powers C4-9	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59087	2008	Blue Bay Oil & Gas	Weber A4-10	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	58988	2008	Blue Bay Oil & Gas	Hughes A3-11	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59723	2009	Blue Bay Oil & Gas	Sproul & Reed D1-11	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59762	2010	Blue Bay Oil & Gas	Pierson C2-11	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59724	2009	Blue Bay Oil & Gas	Sproul B1-14	17	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59748	2010	Blue Bay Oil & Gas	State Pleasanton & Miller D1-14	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59355	2008	Blue Bay Oil & Gas	State Pleasanton & Reed B3-15	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59630	2009	Blue Bay Oil & Gas	Lamont D1-15	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59718	2009	Blue Bay Oil & Gas	Lamont C2-15	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59761	2010	Blue Bay Oil & Gas	Miller & Nowak C4-15	16	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59587	2008	Blue Bay Oil & Gas	Reed B3-15 SWD	14	13	\$125,000	\$20,000	\$145,000	104	32
Blue Bay Multi-Well Project	Manistee	50612	1996	Blue Bay Oil & Gas	State Pleasanton 3-25	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50613	1996	Blue Bay Oil & Gas	State Pleasanton 4-25	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50620	1996	Blue Bay Oil & Gas	Pittenger 12-25	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50625	1996	Blue Bay Oil & Gas	Gordon 16-26	14	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	51287	1997	Blue Bay Oil & Gas	Buckner 1-26 SWD	18	13	\$125,000	\$20,000	\$145,000	104	32
Blue Bay Multi-Well Project	Manistee	49520	1995	Blue Bay Oil & Gas	Eldridge A2-27	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	49532	1995	Blue Bay Oil & Gas	Girvin B4-27	15	13	\$20,000	\$10,000	\$30,000	104	32

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FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Blue Bay Multi-Well Project	Manistee	50747	1996	Blue Bay Oil & Gas	Girven 1-27 SWD	15	13	\$25,000	\$15,000	\$40,000	104	32
Blue Bay Multi-Well Project	Manistee	35129	1981	Blue Bay Oil & Gas	Bowling 2-35	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50669	1995	Blue Bay Oil & Gas	State Pleasanton 10-35	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50018	1996	Blue Bay Oil & Gas	Adair C2-36	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50019	1996	Blue Bay Oil & Gas	Adair C1-36	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50020	1995	Blue Bay Oil & Gas	Adair D1-36	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	50021	1995	Blue Bay Oil & Gas	Adair D2-36	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59082	2008	Blue Bay Oil & Gas	Miller B4-12	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59427	2008	Blue Bay Oil & Gas	Reed A2-12	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	60125	2010	Blue Bay Oil & Gas	Reed C1-12	15	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	60226	2011	Blue Bay Oil & Gas	Jasinski & Taylor B3-12	12	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	60264	2011	Blue Bay Oil & Gas	Vansickle B1-12	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	60287	2011	Blue Bay Oil & Gas	Marshall C4-12	10	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59485	2008	Blue Bay Oil & Gas	Powers B1-7	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	60178	2010	Blue Bay Oil & Gas	Cutter A2-7	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Manistee	59771	2009	Blue Bay Oil & Gas	State Springdale & Tracy Et Al B4-19	13	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59032	2008	Blue Bay Oil & Gas	Harm D4-32	9	13	\$20,000	\$10,000	\$30,000	103	32
Blue Bay Multi-Well Project	Benzie	59056	2008	Blue Bay Oil & Gas	Harm D4-32 SWD	9	13	\$25,000	\$15,000	\$40,000	103	32
Blue Bay Multi-Well Project	Benzie	57163	2006	Blue Bay Oil & Gas	Hungry Horse 3-31	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59029	2008	Blue Bay Oil & Gas	State Homestead & Oligney B4-13	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59058	2008	Blue Bay Oil & Gas	Rosa D4-14	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59263	2008	Blue Bay Oil & Gas	Miner B3-17	10	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59278	2008	Blue Bay Oil & Gas	Miner D3-17	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59081	2008	Blue Bay Oil & Gas	Baker C3-21	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59143	2008	Blue Bay Oil & Gas	State Homestead & Burcroff B4-22	11	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Benzie	59052	2008	Blue Bay Oil & Gas	Lung C4-32 SWD	11	13	\$25,000	\$15,000	\$40,000	104	32
Blue Bay Multi-Well Project	Benzie	59236	2008	Blue Bay Oil & Gas	State Homestead & Knauer B1-32	19	13	\$20,000	\$10,000	\$30,000	104	32
Blue Bay Multi-Well Project	Leelanau	59142	2008	Blue Bay Oil & Gas	Lautner D2-22	11	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59266	2008	Blue Bay Oil & Gas	Parker D1-27	10	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59080	2008	Blue Bay Oil & Gas	Lautner D4-28	10	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59125	2008	Blue Bay Oil & Gas	Ruthardt C4-32	11	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59277	2008	Blue Bay Oil & Gas	Neumann B2-33	10	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59124	2008	Blue Bay Oil & Gas	Alpers B4-34	11	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59252	2008	Blue Bay Oil & Gas	Lautner A1-34	10	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59372	2008	Blue Bay Oil & Gas	Burkhart B3-34	9	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59373	2008	Blue Bay Oil & Gas	Alpers C3-34	9	13	\$20,000	\$10,000	\$30,000	103	37
Blue Bay Multi-Well Project	Leelanau	59079	2008	Blue Bay Oil & Gas	Parker B2-35	12	13	\$20,000	\$10,000	\$30,000	103	37
Dover 33 & Facility Decommission	Otsego	FN 3299	2011	Putnam Energy LLC	Dover C3-33 TB	13	13	\$150,000	\$25,000	\$175,000	105	36
Dover 33 & Facility Decommission	Otsego	60296	2011	Putnam Energy LLC	Fieldstone Partners 2-33	13	13	\$75,000	\$0	\$75,000	105	36
Northern Michigan Plugging Project	Arenac	9699	1942	Hankins Taylor C	Zurvitmski, J 1	16	13	\$100,000	\$10,000	\$110,000	99	36
Northern Michigan Plugging Project	Arenac	10216	1943	Fisk Crude Oil Co	Klimick et al 1	17	13	\$100,000	\$10,000	\$110,000	99	36
Northern Michigan Plugging Project	Isabella	471	1929	McCandless, J.	Bufford 1	14	13	\$180,000	\$20,000	\$200,000	92	34
Northern Michigan Plugging Project	Tuscola	64	1928	Murphy Oil Co.	Gottler, Adam 1	13	13	\$180,000	\$30,000	\$210,000	98	25
Northern Michigan Plugging Project	Sanilac	966	1930	K-Bar Oil & Gas	Kolodziej 1	13	13	\$150,000	\$10,000	\$160,000	98	25
Northern Michigan Plugging Project	Bay	1016	1930	Eureka Oil Corp	Lambert-Cloverleaf 1	13	13	\$150,000	\$10,000	\$160,000	96	36

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PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Northern Michigan Plugging Project	Saginaw	3996	1937	T.F Caldwell Inc.	Birch Run State Bank 1	13	13	\$150,000	\$10,000	\$160,000	97	26
Northern Michigan Plugging Project	Wexford	1177	1931	Unknown	Cummer Diggins Location	12	13	\$120,000	\$10,000	\$130,000	101	36
Northern Michigan Plugging Project	Sanilac	25939	1965	Simpson, CJ	Hontar 1	11	13	\$2,000	\$1,000	\$3,000	98	25
Northern Michigan Plugging Project	Manistee	39990	1986	Alumni Petro & Resource Mgmt	Marshall Enterprises 1-23C	11	13	\$10,000	\$8,000	\$18,000	104	32
Northstar Multi-Well Project	Charlevoix	56325	2005	Northstar Energy	Frontier SHR A1-31	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56326	2004	Northstar Energy	State Hudson A3-31	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56327	2006	Northstar Energy	Lamy C3-31	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56328	2005	Northstar Energy	Frontier SHR D4-31	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56873	2006	Northstar Energy	Frontier SHR B2-31	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56875	2005	Northstar Energy	Frontier SHR C4-31	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57030	2005	Northstar Energy	Frontier SHR D3-31	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57031	2006	Northstar Energy	State Hudson A4-31	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57032	2005	Northstar Energy	Frontier SHR C1-31	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57213	2005	Northstar Energy	Frontier SHR D1-31	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55709	2003	Northstar Energy	Sevenski A1-32	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56050	2004	Northstar Energy	Mead B2-32	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56329	2005	Northstar Energy	Czerkies A4-32	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56330	2004	Northstar Energy	State Hudson C1-32	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56877	2005	Northstar Energy	Mead C4-32	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56878	2005	Northstar Energy	Mead C3-32	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56886	2006	Northstar Energy	State Hudson B1-32	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55714	2004	Northstar Energy	Frontier SHR B4-33	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55755	2004	Northstar Energy	Frontier SHR C4-33	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56502	2006	Northstar Energy	State Hudson A2-33	16	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56588	2005	Northstar Energy	Frontier SHR A4-33	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57233	2006	Northstar Energy	Frontier SHR D4-33	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58100	2006	Northstar Energy	Frontier SHR C3-33	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	51026	1998	Northstar Energy	Kosc C4-34	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55717	2004	Northstar Energy	Frontier SHR B1-34	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55720	2005	Northstar Energy	Frontier SHR D3-34	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55978	2004	Northstar Energy	Kosc 9-34 SWD	14	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	56121	2004	Northstar Energy	Zawistowski B3-34	16	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58154	2006	Northstar Energy	Frontier SHR A1-34	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55721	2004	Northstar Energy	Frontier SHR B1-35	15	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55722	2004	Northstar Energy	State Hudson & Frontier SHR D1-35	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55723	2004	Northstar Energy	Frontier SHR D2-35	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55724	2004	Northstar Energy	State Hudson & Frontier SHR D3-35	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55753	2004	Northstar Energy	State Hudson & Frontier SHR C3-35	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56122	2004	Northstar Energy	Oelke A2-35	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56123	2004	Northstar Energy	Frontier SHR A3-35	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56124	2004	Northstar Energy	Frontier SHR A4-35	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56125	2004	Northstar Energy	Frontier SHR C1-35	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56126	2004	Northstar Energy	Frontier SHR C2-35	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58349	2007	Northstar Energy	Howard A2-26	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58351	2007	Northstar Energy	Howard C1-26	13	12	\$20,000	\$10,000	\$30,000	107	37

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Northstar Multi-Well Project	Charlevoix	58420	2007	Northstar Energy	State Chandler & Drenth B1-26	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58421	2007	Northstar Energy	Howard C1-26 SWD	11	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	58487	2007	Northstar Energy	State Chandler & Drenth B3-26	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58350	2007	Northstar Energy	Howard D2-26	15	12	\$125,000	\$20,000	\$145,000	107	37
Northstar Multi-Well Project	Charlevoix	58493	2007	Northstar Energy	Miller D4-27	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58004	2006	Northstar Energy	Dayton A3-34	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58005	2007	Northstar Energy	Dye A3-35	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58254	2005	Northstar Energy	Siegrist B1-35	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58255	2007	Northstar Energy	Siegrist C1-35	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58286	2007	Northstar Energy	Siegrist B2-35	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55268	2004	Northstar Energy	State Chandler & Obrien B3-36	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58252	2007	Northstar Energy	O'Brien B3-36 SWD	14	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	58307	2007	Northstar Energy	Matelski A1-36	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Cheboygan	55261	2006	Northstar Energy	State Wilmot D4-28	10	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57118	2005	Northstar Energy	State Wilmot B4-32	10	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56589	2005	Northstar Energy	State Wilmot & Joles C3-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56590	2005	Northstar Energy	State Wilmot B2-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57119	2005	Northstar Energy	State Wilmot A3-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57120	2005	Northstar Energy	Apple Blossom B3-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57121	2005	Northstar Energy	State Wilmot D2-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57122	2005	Northstar Energy	State Wilmot D1-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57123	2005	Northstar Energy	State Wilmot A1-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	58060	2006	Northstar Energy	State Wilmot C1-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	58110	2006	Northstar Energy	State Wilmot A2-33	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56747	2005	Northstar Energy	Ashley D2-34	14	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56748	2005	Northstar Energy	Ashley C2-34	15	12	\$25,000	\$15,000	\$40,000	106	37
Northstar Multi-Well Project	Cheboygan	56787	2005	Northstar Energy	Flickinger A1-34	10	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56788	2005	Northstar Energy	Flickinger B1-34	14	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56869	2005	Northstar Energy	Joles C1-34	14	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57173	2006	Northstar Energy	Ashley C3-34	14	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	57612	2006	Northstar Energy	Flickinger B2-34	14	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	58082	2006	Northstar Energy	Flickinger A2-34	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	58111	2006	Northstar Energy	State Wilmot C4-34	12	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	56378	2006	Northstar Energy	Ashley C2-34 SWD	15	12	\$125,000	\$20,000	\$145,000	106	37
Northstar Multi-Well Project	Cheboygan	56505	2005	Northstar Energy	Aurora B2-34 SWD	12	12	\$0	\$20,000	\$145,000	106	37
Northstar Multi-Well Project	Cheboygan	58489	2007	Northstar Energy	Mikolon C3-35	13	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Cheboygan	58490	2007	Northstar Energy	Mikolon D3-35	13	12	\$20,000	\$10,000	\$30,000	106	37
Northstar Multi-Well Project	Charlevoix	56241	2004	Northstar Energy	Frontier SHR C3-15	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56242	2004	Northstar Energy	Frontier SHR A1-15	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56243	2004	Northstar Energy	Frontier SHR A4-15	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56453	2004	Northstar Energy	Aurora D1-15 SWD	11	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	56591	2006	Northstar Energy	Frontier SHR C3-15 SWD	14	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	56800	2005	Northstar Energy	Frontier SHR D4-15	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56821	2005	Northstar Energy	Frontier SHR A3-15	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56855	2005	Northstar Energy	Frontier SHR C1-15	15	12	\$20,000	\$10,000	\$30,000	107	37

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY II WELLS - PRIORITIZED**

Category II = wells and facilities are abandoned; non-leaking

Projects are delineated by the alternatively shaded and non-shaded groups

FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Northstar Multi-Well Project	Charlevoix	56856	2005	Northstar Energy	Frontier SHR D3-15	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56857	2005	Northstar Energy	Frontier SHR B2-15	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56918	2005	Northstar Energy	Frontier SHR B1-15	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58065	2007	Northstar Energy	State Hudson A1-15 HD	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58068	2007	Northstar Energy	State Hudson A4-15 HD	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58070	2007	Northstar Energy	State Hudson A2-15 HD	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56240	2004	Northstar Energy	Frontier SHR D1-15	16	12	\$125,000	\$20,000	\$145,000	107	37
Northstar Multi-Well Project	Charlevoix	56847	2005	Northstar Energy	Oliver & Frontier SHR D1-16	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56848	2005	Northstar Energy	State Hudson & Smerczak B2-16	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56849	2005	Northstar Energy	State Hudson & Smerczak B1-16	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56850	2005	Northstar Energy	Frontier SHR C1-16	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56853	2005	Northstar Energy	Frontier SHR C3-16	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56854	2005	Northstar Energy	Frontier SHR C4-16	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56939	2005	Northstar Energy	State Hudson & Frontier SHR A3-16	9	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56965	2005	Northstar Energy	State Hudson & Frontier SHR A4-16	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56967	2005	Northstar Energy	Frontier SHR D3-16	16	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57833	2006	Northstar Energy	Frontier SHR C2-16	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56820	2005	Northstar Energy	Frontier SHR B3-17 SWD	15	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	57214	2006	Northstar Energy	State Hudson B4-17	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57035	2005	Northstar Energy	Frontier SHR D1-19	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57036	2005	Northstar Energy	Frontier SHR D4-19	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57037	2005	Northstar Energy	Frontier SHR C1-19	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57165	2005	Northstar Energy	Kuzmick A1-19	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57971	2006	Northstar Energy	Frontier SHR C4-19	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57166	2005	Northstar Energy	Kuzmick B2-19	15	12	\$125,000	\$20,000	\$145,000	107	37
Northstar Multi-Well Project	Charlevoix	56795	2005	Northstar Energy	Frontier SHR D1-20	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56796	2005	Northstar Energy	Frontier SHR C1-20	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56913	2005	Northstar Energy	Frontier SHR A4-20	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56915	2005	Northstar Energy	Frontier SHR B3-20 SWD	12	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	56940	2005	Northstar Energy	Frontier SHR D4-20	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57079	2005	Northstar Energy	Frontier SHR C4-20	16	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56914	2005	Northstar Energy	Frontier SHR B3-20	16	12	\$125,000	\$20,000	\$145,000	107	37
Northstar Multi-Well Project	Charlevoix	56935	2005	Northstar Energy	Frontier SHR A1-21	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56938	2005	Northstar Energy	State Hudson & Frontier SHR D3-21	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56941	2005	Northstar Energy	Frontier SHR D1-21	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57134	2005	Northstar Energy	Frontier SHR C4-21	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57203	2005	Northstar Energy	Frontier SHR A4-21	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57211	2005	Northstar Energy	Frontier SHR B3-21	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56247	2004	Northstar Energy	Frontier SHR A4-22	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56934	2005	Northstar Energy	Frontier SHR A3-22	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56963	2005	Northstar Energy	Frontier SHR D1-22	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56083	2004	Northstar Energy	Frontier SHR A3-23	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56249	2004	Northstar Energy	Frontier SHR A2-23	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56250	2004	Northstar Energy	Frontier SHR B2-23	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56251	2005	Northstar Energy	State Hudson & Frontier SHR C4-23	11	12	\$20,000	\$10,000	\$30,000	107	37

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY II WELLS - PRIORITIZED**

Category II = wells and facilities are abandoned; non-leaking

Projects are delineated by the alternatively shaded and non-shaded groups

FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Northstar Multi-Well Project	Charlevoix	56379	2005	Northstar Energy	Frontier SHR B2-23 SWD	13	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	56917	2005	Northstar Energy	Frontier SHR D3-23	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57201	2006	Northstar Energy	Frontier SHR A2-26	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55754	2005	Northstar Energy	Frontier SHR B2-27	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56504	2005	Northstar Energy	Frontier SHR A1-27	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57033	2006	Northstar Energy	Frontier SHR C2-27	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57034	2006	Northstar Energy	Frontier SHR A3-27	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57832	2006	Northstar Energy	Frontier SHR A4-27	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55711	2004	Northstar Energy	State Hudson & Wasyleski C3-28	15	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55726	2004	Northstar Energy	Sevenski 1-28 SWD	13	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Charlevoix	56503	2005	Northstar Energy	Frontier SHR B4-28	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56908	2006	Northstar Energy	Superior Real Estate B2-28	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55712	2004	Northstar Energy	Sevenski D2-28	17	12	\$125,000	\$20,000	\$145,000	107	37
Northstar Multi-Well Project	Charlevoix	55749	2004	Northstar Energy	State Hudson A1-29	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56044	2004	Northstar Energy	State Hudson & Bell D2-29	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56319	2004	Northstar Energy	State Hudson C1-29	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58026	2006	Northstar Energy	State Hudson B2-29	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	55851	2004	Northstar Energy	Frontier SHR C1-30	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56320	2005	Northstar Energy	Frontier SHR A2-30	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56321	2004	Northstar Energy	Frontier SHR C3-30	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56322	2005	Northstar Energy	Frontier SHR B4-30	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56324	2005	Northstar Energy	Boyne Valley Estates D4-30	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56871	2005	Northstar Energy	Frontier SHR B2-30	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56872	2005	Northstar Energy	Frontier SHR B1-30	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56874	2005	Northstar Energy	Frontier SHR A3-30	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56876	2005	Northstar Energy	Frontier SHR B1-30 SWD	12	12	\$25,000	\$15,000	\$40,000	107	37
Northstar Multi-Well Project	Otsego	58061	2006	Northstar Energy	State Corwith & Wilmot A3-4	11	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	57759	2006	Northstar Energy	Griffith C2-5	13	12	\$125,000	\$20,000	\$145,000	105	36
Northstar Multi-Well Project	Otsego	57665	2006	Northstar Energy	Swartout D3-6	9	12	\$0	\$10,000	\$10,000	105	36
Northstar Multi-Well Project	Otsego	57666	2006	Northstar Energy	Swartout C4-6	9	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	58168	2006	Northstar Energy	Gornick A4-6	10	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	58169	2006	Northstar Energy	Gornick B4-6	10	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	58172	2007	Northstar Energy	Schmid A2-6	10	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	58237	2007	Northstar Energy	Gornick C1-6 SWD	12	12	\$25,000	\$15,000	\$40,000	105	36
Northstar Multi-Well Project	Otsego	58368	2007	Northstar Energy	Frontier SHR C2-7	10	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	58369	2007	Northstar Energy	Seitz D2-7	12	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	58407	2007	Northstar Energy	Frontier SHR D3-7	11	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Otsego	57909	2006	Northstar Energy	Czykoski A2-8	11	12	\$20,000	\$10,000	\$30,000	105	36
Northstar Multi-Well Project	Charlevoix	56572	2005	Northstar Energy	Star Commonwealth C4-12	11	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56573	2006	Northstar Energy	St Hudson & Star Commonwealth D3-12	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56885	2005	Northstar Energy	Cassels B3-12	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57272	2005	Northstar Energy	State Hudson & Frontier SHR B2-13	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57294	2005	Northstar Energy	Frontier SHR A4-13	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57420	2006	Northstar Energy	State Hudson & Frontier SHR C3-13	10	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	57278	2005	Northstar Energy	Frontier SHR C2-13	12	12	\$125,000	\$20,000	\$145,000	107	37

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY II WELLS - PRIORITIZED**

Category II = wells and facilities are abandoned; non-leaking

Projects are delineated by the alternatively shaded and non-shaded groups

FN = Facility Number

PROJECT NAME	COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE SCORE	PROJECT SCORE	PLUGGING/ DISMANTLE COSTS	SITE RESTOR- ATION	TOTAL COST	STATE HOUSE	STATE SENATE
Northstar Multi-Well Project	Charlevoix	56244	2004	Northstar Energy	State Hudson & Frontier SHR A4-14	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56245	2004	Northstar Energy	Frontier SHR B1-14	14	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56246	2004	Northstar Energy	Frontier SHR B3-14	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	56966	2005	Northstar Energy	Frontier SHR B4-14	13	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58069	2007	Northstar Energy	State Hudson A2-14 HD	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Charlevoix	58148	2007	Northstar Energy	Frontier SHR A2-14	12	12	\$20,000	\$10,000	\$30,000	107	37
Northstar Multi-Well Project	Montmorency	58037	2006	Northstar Energy	Gaylord Fishing Club D2-20	12	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	57414	2006	Northstar Energy	State Montmorency & Masters D1-21	9	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	57432	2006	Northstar Energy	Black River Ranch A1-21	9	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	57434	2006	Northstar Energy	Black River Ranch A1-21 SWD	9	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	58062	2006	Northstar Energy	Gaylord Fishing Club C1-21	11	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	58089	2006	Northstar Energy	State Montmorency & Powell D2-21	9	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	57240	2005	Northstar Energy	State Montmorency & Doran B4-21	12	12	\$0	\$20,000	\$145,000	106	36
Northstar Multi-Well Project	Montmorency	57063	2007	Northstar Energy	Black River Ranch A1-22 SWD	9	12	\$0	\$15,000	\$40,000	106	36
Northstar Multi-Well Project	Montmorency	57932	2006	Northstar Energy	State Montmorency C4-22	12	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	57968	2006	Northstar Energy	State Montmorency D4-22	13	12	\$0	\$10,000	\$30,000	106	36
Northstar Multi-Well Project	Montmorency	58214	2007	Northstar Energy	State Montmorency D2-22	11	12	\$0	\$10,000	\$30,000	106	36

Total Number of Sites: 506 (440 Wells & 66 Facilities)

Total Costs: \$27,237,730 \$6,259,000 \$33,951,730

**TABLE III: ORPHAN WELL LIST FOR 2023
CATEGORY III WELLS**

Category III = wells have been plugged or facilities have been decommissioned; however, site restoration and/or remediation has not yet been completed

FN = Facility Number

COUNTY	WELL/ FACILITY NUMBER	YEAR	COMPANY	WELL/FACILITY NAME	SITE 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	\$15,000	\$10,000	\$25,000	43	20	
Allegan	15891	1950	Michigan Pipe Co.	Maude Mesick 1	Monitoring	\$46,953	\$10,000	\$50,000	\$60,000	39	20	
Genesee	28458	1971	Richter, Ervin	Elliot-Sammons Unit 1	NA	\$256	\$10,000	\$50,000	\$60,000	67	26	
Gladwin	19368	1955	Lakeland Oil Corp.	School Rd	Monitoring	\$214,585	\$1,500	\$5,000	\$6,500	99	34	
Gladwin	4568	1937	Schnell, Louis	LaFurgey 1	18	\$6,000	\$0	\$100,000	\$100,000	99	34	
Gladwin	4864	1938	Schnell, Louis	LaFurgey 2	18	\$6,000	\$0	\$100,000	\$100,000	99	34	
Gladwin	4856	1937	Schnell, Louis	Snellenberger 1	18	\$5,855	\$0	\$100,000	\$100,000	99	34	
Gladwin	FN 487	NA	Estate Of Aaron Elek III	Schranz CTB	21	\$24,295	\$10,000	\$50,000	\$60,000	99	34	
Gladwin	FN 495	NA	Estate Of Aaron Elek III	Campbell CTB	19	\$24,295	\$10,000	\$50,000	\$60,000	99	34	
Isabella	7669	1940	McClanahan Oil Co	Nixon 4	21	\$0	\$10,000	\$25,000	\$35,000	92	34	
Kent	6056	1939	Bauman, M.H.	Burgess 1	20	\$35,322	\$5,000	\$75,000	\$80,000	84	30	
Midland	2076	1934	Turner, Fred	Eugene St. John B 2	21	NA	\$50,000	\$0	\$50,000	95	34	
Montcalm	11919	1945	Kill Drilling Co.	Douglas 1	Monitoring	\$249,252	\$50,000	\$35,000	\$85,000	91	33	
Montcalm	10816	1944	Stewart, Fred	Chamley - Witherall 1	44	\$64,900	\$1,500	\$7,000	\$8,500	91	33	
Montcalm	10922	1944	Stewart, Fred	Paris 1	Monitoring	\$368,746	\$35,000	\$35,000	\$70,000	91	33	
Montcalm	27876	1969	Stewart, James	Graham, H. 1	43	\$42,396	\$50,000	\$150,000	\$200,000	91	33	
Montcalm	28170	1970	Stewart, James	Marzig 1	16	\$516,611	\$5,000	\$50,000	\$55,000	91	33	
Muskegon	92	1928	Continental Motors Corp.	Continental 1	47	\$67,155	\$50,000	\$200,000	\$250,000	87	32	
Muskegon	85	1928	Muskegon Oil Corp.	Heinz, H. 3	38	\$53,943	\$10,000	\$35,000	\$45,000	87	32	
Muskegon	114	1928	W. J. Simon	Reeths 1-D	37	\$86,724	\$20,000	\$50,000	\$70,000	87	32	
Muskegon	17673	1952	McCallister, Bernard	Beroza 1	19	\$506,161	\$5,000	\$50,000	\$55,000	89	33	
Muskegon	10425	1943	McCallister, Bernard	Neubeck 1	19	\$506,161	\$10,000	\$50,000	\$60,000	102	32	
Muskegon	33024	1979	McCallister, Bernard	Hamsen 1	23	\$566,621	\$10,000	\$75,000	\$85,000	87	32	
Muskegon	12248	1946	McCallister, Bernard	Zelinka 3	PC	\$195,751	\$10,000	\$75,000	\$85,000	102	32	
Oceana	14726	1949	WJ Simon	Ann Dykstra 1	17	\$0	\$10,000	\$25,000	\$35,000	102	32	
Oceana	33493	1980	Adams, Frank Jr.	Lauber 1-6 BDW	14	\$284,033	\$10,000	\$50,000	\$60,000	102	32	
Otsego	29028	1973	Saba Energy of TX	Leacock, Hubbard Underwood Unit 1	Monitoring	\$183,412	\$500	\$1,000	\$1,500	105	36	
Otsego	44355	1991	Duff Oil Company	Forterra 1-15	6	\$40,000	\$0	\$5,000	\$5,000	105	36	
Ottawa	20899	1958	J & T Distributing	Kneibel 1	19	\$31,951	\$5,000	\$50,000	\$55,000	89	30	
Total Category III Sites Remaining: 29						Total Costs:	\$4,182,461	\$403,500	\$1,558,000	\$1,961,500		