MiSTAR Production Reporting Training

April 2023

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MiSTAR Production System

Beginning in April 2023, all oil and gas monthly and annual reporting of production data will be done through the MiSTAR Production web-application. MiSTAR Production is a web application that allows operators to electronically submit production data to fulfill regulatory filing requirements. This system replaces the Michigan Public Service Commission (MPSC) Oil and Gas Production E-File reporting system and the Department of Environment, Great Lakes, and Energy (EGLE) reporting.

This is the second MiSTAR system that has been rolled out recently. MiSTAR Injection has been in place since late August 2022 and allows operators to report and make notifications related to Class II wells.

EGLE and the MPSC are providing this webinar as a training for this new system. In addition, there is a webpage devoted to MiSTAR reporting on the Oil, Gas, and Minerals Division's oil and gas website. This webpage contains comprehensive user guides for each system, as well as quick start guides, and FAQs. We urge operators to refer to this website for more information about the processes involved in carrying out this reporting. Here is the site: https://www.michigan.gov/egle/about/organization/oil-gas-and-minerals/oil-and-gas/mistar

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MiSTAR Production System

The MiSTAR Production system allows records to be submitted through an Electronic Data Deliverable (EDD) Template. This template can be either in comma-separated value (csv) format or Excel file (xlsx) format. There is one Well Production E-File EDD that has been developed for the following reporting:

Monthly/Annual Production Report (EQP 7101/7101A)
Monthly Production Report (Trenton Black River) (EQP 7105).

At this time, the MiSTAR Production system does NOT replace the following reporting, which should continue to be done according to the guidance on the form:

Central Production Facilities Reporting (EQP 7126A/7126B)
Oil Gatherers Monthly Report (EQP7102 or approved equivalent)
Gas Gatherers Monthly Report (EQP7129)
Annual Domestic Well Status Report (EQP7101-D)

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MiSTAR Production System

Access to the system requires operators to complete and submit two documents:

> **MiSTAR Letter of Assurance**
> **Updated Well Permittee Organizational Report**

The information above will be used to create usernames and passwords which will be provided via email to designated individuals indicated on the organizational report. OGMD will also be providing operators with a well list for the wells that they are reporting on which includes the pertinent information necessary for compiling the EDD.

Reporters will need a computer with internet access with any of the following internet browsers: Google Chrome, Mozilla Firefox, or Microsoft Edge. Use of other browsers may result in the application not functioning properly.

For operators that have not previously e-filed, the first three months of MiSTAR submittals must be accompanied by an e-mailed PDF of the completed EQP 7101/7101A or EQP 7105 forms.

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Other changes…

In addition to the MISTAR systems, OGMD has also created a new in-box devoted to production reporting. EGLE-OGMD-Production@Michigan.gov

This in-box will be added to the production reporting forms that will continue to be provided via PDF. This inbox will accessible by multiple OGMD staff members and will serve as a clearing house for any questions involving MiSTAR Production and production reporting.

Coming later in 2023, OGMD will also be rolling out a new **Oil and Gas Production Dashboard** which will allow for interactive viewing and exporting of Michigan's Production data. This site will allow users to query and export production data (oil and gas, condensate, NGLs, water) by county, operator, geologic formation, and a chosen time period. Also of note - The bulk production download is also getting moved to the **dataminer** site from the current ftp sometime in 2023.

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Example Production Dashboard

Field descriptions table
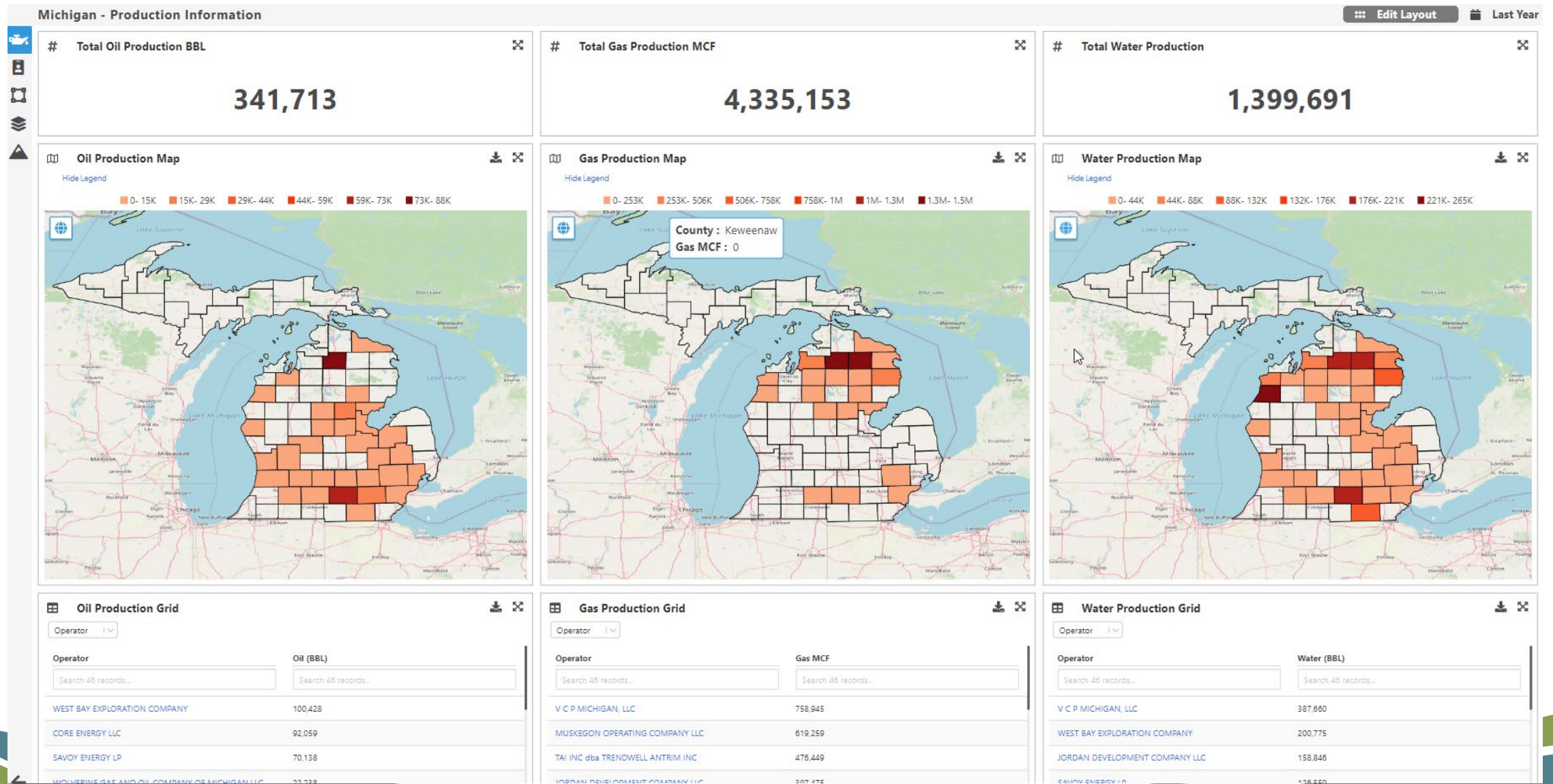
	Field Heading in File	Data Description
1	Reporting Operator ID	Company Operator ID will be provided by OGMD when you receive your username & password. It can also be found in parentheses next to the company name in most fields.
2	Reporting Operator Name	Company Name as provided to OGMD.
	Production Category	NEW FIELD. See chart in user documentation above to determine which production category to assign each record.
3	Amended Record?	Same as former "Correction" field. Accepts a "Yes" for amended record and "No" for new records. This field is case sensitive.
4	Report Period Start Date	Same as former "ProdDate" field. Must be in the format of MM/01/YYYY. Multiple months of data on a single form are allowed.
5	Antrim Project ID	Same as former "FieldID" field. Antrim gas wells only. A list of Antrim Project IDs and Names associated with an operator can be found on the Production Entity List page for Antrim Projects. We suggest operators download an initial list of active status Projects by filtering to the desired operator and downloading the table.
6	Antrim Project Name	See Antrim Project ID. Do not use commas in numbers or names.
7	CO2(%)	Carbon dioxide percentage for Antrim projects only.
8	LACT Meter	Oil gatherer account number, transporter account number or meter station number.
9	Meter Station	Gas gatherer account number, transporter account number or meter station ID.
	API Number (14 digit)	NEW FIELD. A list of APIs, OGMD permit numbers, MPSC numbers and Well Names associated with an operator can be found on the Production Entity List page for wellbores. We suggest operators download an initial list by filtering to the desired operator and downloading the table. NOTE- only one wellbore per well should be reported against each month. IE- if a well has two active producing wellbores only use the wellbore with no end date on its association with other entities. (more details here)
10	OGMD Permit Number	See API Permit Number. Permit from OGMD for wellbore matching API field.
11	MPSC Number	See API Permit Number. Permit from MPSC for wellbore matching API field.
12	Well Name and Number	See API Permit Number. Do not use commas in numbers or names.
13	PRU Number	Same as former "PRU" field. A list of PRU IDs and Names associated with an operator can be found on the Production Entity List page for PRUs. We suggest operators download an initial list of active status PRUs by filtering to the desired operator and downloading the table.
	PRU Name	See above. Do not use commas in numbers or names.
14	Oil Prod (bbls)	Same as former "Oil" field. Oil produced for PRU. Use a zero for instances where there is no oil production.
15	Condensate Prod (bbls)	Same as former "Condensate" field. Condensate produced for PRU. Use a zero for instances where there is no condensate production.
16	NGL Prod (bbls)	Same as former "NGL" field. Natural Gas Liquids produced for PRU. Use a zero for instances where there is no NGL production.
17	Oil Sales (bbls)	Same as former "OilPLRuns" field. Oil sales for PRU. Use a zero for instances where there is no oil sales.

Form image

Additional field descriptions table

18	Condensate Sales (bbls)	Same as former "CondSales" field. Condensate sales for PRU. Use a zero for instances where there is no condensate sales.
19	NGL Sales (bbls)	Same as former "NGLSales" field. Natural Gas Liquids sales for PRU. Use a zero for instances where there is no NGL sales.
20	EOM Oil Storage (bbls)	Same as former "EOMOil" field. End of month oil storage for PRU. Use a zero for instances where there is no oil EOM storage.
21	EOM Condensate Storage (bbls)	Same as former "EOMCond" field. End of month condensate storage for PRU. Use a zero for instances where there is no condensate EOM storage.
22	EOM NGL Storage (bbls)	Same as former "EOMNGL" field. End of month NGL storage for PRU. Use a zero for instances where there is no NGL EOM storage.
23	Gas Sales Volume (mcf)	Same as former "GasDVol" field. Delivered gas volume for individually metered well, Antrim project, or PRU (@ 14.73 psia at 60 deg F). Use a zero for instances where there is no gas sales volume.
24	Wellbore Status	Same as former "Status" field. Use "Y" if well produced during month, "N" if well/lease did not produce during the month, "TA" for well/lease granted TA status by OGMD, and "SI" for shut-in by operator. If a well is plugged and abandoned, it does not need to be reported.
25	Water Prod (bbls)	Same as former "Water" field. Water produced for individually metered well, Antrim project, or PRU. Use a zero for instances where there is no water produced.
	Flared Gas Volume (mcf)	NEW FIELD. Flared Gas Volume is currently only relevant to Trenton/Black River wells which are reported on Form EQP7105. Report the volume of gas flared.
	Gas Utilized for Lease Fuel (mcf)	NEW FIELD. Lease Fuel Gas Volume is currently only relevant to Trenton/Black River wells which are reported on Form EQP7105. Report the volume of gas utilized for lease fuel.
26	Remarks	Other information for OGMD/MPSC.

MiSTAR Production System

The MiSTAR Production Application organizes data at two levels: production entities and production records.

WHAT IS A PRODUCTION ENTITY?

A production entity is anything that production data is reported for. Michigan has three production entity types (Antrim Projects, PRUs, and wellbores). Each of these types have a unique set of attributes that must be captured on the EDD.

WHAT IS A PRODUCTION RECORD?

Production Records are the individual records of data submitted for each production entity

PRODUCTION CATEGORIES

One new feature of the form is the initial field titled "Production Category". This field allows for different validation depending on the record type and is similar to the categories of records used in the original e-file form. This field must be filled out with one of the valid Production Category values.

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PRODUCTION CATEGORIES

This field allows for different validation depending on the record type and is similar to the categories of records used in the original e-file form. This field must be filled out with one of the valid Production Category values. We have created a flowchart to assist in determining which category needs to be documented.

Production Category Flowchart

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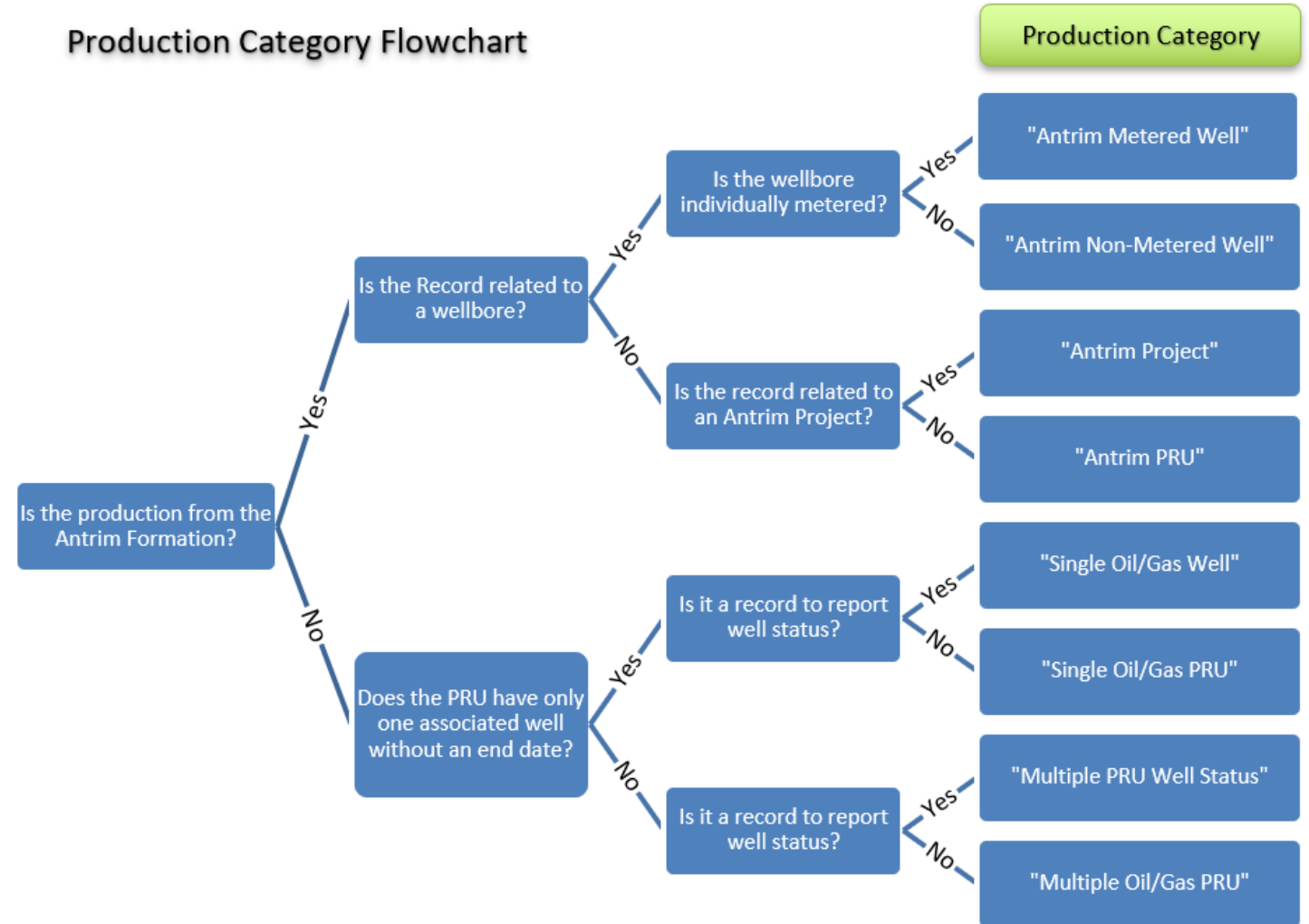
MiSTAR Production System

DATA VALIDATION

When the Production Data file is uploaded, validation checks are performed against the header (operator) information and the corresponding data records. Validation checks can also be performed using the validate button within the program. There are three types of errors that may be created in reporting:

- **Submission Level** errors prevent data from being uploaded into the system

- **Row Level** errors allow the data to be imported, but prevent the file from being submitted to the agency for review.

- **Non-Blocking Warning** errors are meant to serve as notices to check data for errors, but do not prevent the user from submitting the record for the agency to review.

Certain fields in the Production Data file require valid values for the data type (Yes/No, string, integer, decimal, date) and exact naming (like for Production Categories) in order to be processed correctly. There is helpful information about the Data Validation Rules on the MiSTAR webpage and within the MiSTAR user documents.

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MiSTAR Production Reporting Demo

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