Database and Website

Katharine Lee Avary and John Bocan
West Virginia Geological and Economic Survey
Database

• Standard Data Types
  • Basic Header Information
  • Stratigraphic Data
  • Production Data
    • Gas
    • Water
    • Oil
Database Continued

• **Special Project Data Types**
  • Geochemical analyses
    • Gas geochemical data
  • Isotope Data
  • Fluid Inclusion Data
  • Core Photos and detailed descriptions
  • Thin Section Photomicrographs
  • SEM Data

• **Project Log Files**
  • LAS files
  • TIFF files
Data Delivery

Via project website in 3 forms:

• Downloadable files
• IMS (Internet Map Service) application
• Website viewable text via a database
Internet Map Service (IMS)
Provides interactive online ability to view and query map layers:

• Base map showing locations of wells penetrating Trenton
• Map showing locations of cored wells and those with LAS and TIFF files
• Map showing locations of producing wells/fields with hot links to well-specific production data
• Map showing cross-section locations with hot links to cross sections
• Structure maps
• Stratigraphic maps
• Maps showing locations of wells with geochemical data, thin sections, core photos, etc. with hot links to these data types
Northwest Ohio Producing fields and locations of cored wells

Wells with core descriptions
- Gas fields
- Oil fields
Example Core Description

Thin Section location

Links to thin section photomicrographs

# 3267, Auglaize County, OH
Trenton Formation (Platform Margin/Facies Dolomite)
1157° to 1182°

Orangeish dolostone with pinpoint vugs and wavy laminations throughout. 2 large white clasts that are non-reactive to HCl and appear to have some kind of dissolution rims.

Lots of depositional features including skeletal grains, burrows, and wavy laminations.

Looks identical to above core, but skeletal material and other depositional features react.

Same as above orangeish dolostone with original skeletal material preserved.

Very vuggy and friable dolomite. "Swiss Cheese" dolomite texture are present throughout this zone and dominate in the last three feet of the box (to 1177).

Highly porous, "Swiss cheese" dolomite zone.

Similar to above dolostone, slightly lighter in color and not as porous as above, vugs and wavy laminations throughout, some skeletal grains preserved.
Location of Marion County, OH cored well
Core description, Marion Co, OH 1557-1603.9

Photograph 1557-1566.4

Priscivalia 1A, #3372, Marion County, OH
Black River Formation
1557.9 to 1603.6P

Gray MSWS with wavy laminations throughout, some of these wavy laminations look like they could possibly be study burrows. Calcite filled burrows are common.
Fracture zones, horizontal fractures filled with pyrite and calcite.

79 Possible Delto-Iliontra

Skeletal RGWS with some burrow and wavy laminations present throughout. Biotopic wackstone. Phytolithic horizon
Skeletal RGWS with some burrow and wavy laminations present throughout. Biotopic GB. Structures are similar to those observed above, but there is an thin zone that contains almost no mud
Skeletal RGWS with some burrow and wavy laminations present throughout.
MSWS with discontinuous packstone lenses throughout, discrete burrows and wavy argillaceous laminations are also present throughout hardground.

MSWS with discontinuous packstone lenses throughout, very similar to the lithology above the hardground, but there are less argillaceous laminations and less burrowing, siltstones are less present, lighter in color than above HG.
MSWS with some FS lenses, wavy argillaceous laminations are also present, pyrite and calcite filled burrows.

MSWS dominant lithology, discontinuous PS lenses are also present throughout, burrows filled with calcite are very common, small amounts of pyrite present throughout, wavy discontinuous laminations are very common.
Large U-shaped burrow filled with calcite and pyrite. Fractures are also present in the vicinity of this large burrow.

MSWS with abundant argillaceous laminations (increase from above), discrete burrows are also common throughout this zone, discontinuous PS zones are present throughout.

Photograph 1566.4-1575.7
NY Producing fields and location of Matejka cored well
Poster describing Matejka core prepared by NYSM
The project website also contains:

- Project reports
- Contact lists
- Bibliography
- Other information