



Core Lab
MEMPHIS, TENNESSEE



Depositional Environment		Core Porosity and Permeability	
Deep Lagoon	●	Deep Lagoon - Shoal Flank	●
Restrictive Shallow Lagoon	●	Core Plug Location	
Shoal	●	Porosity (%)	39.7% ● 380.22md
Shoal Flank	●	Permeability (Kmax)	



Core Lab
CORPORATION
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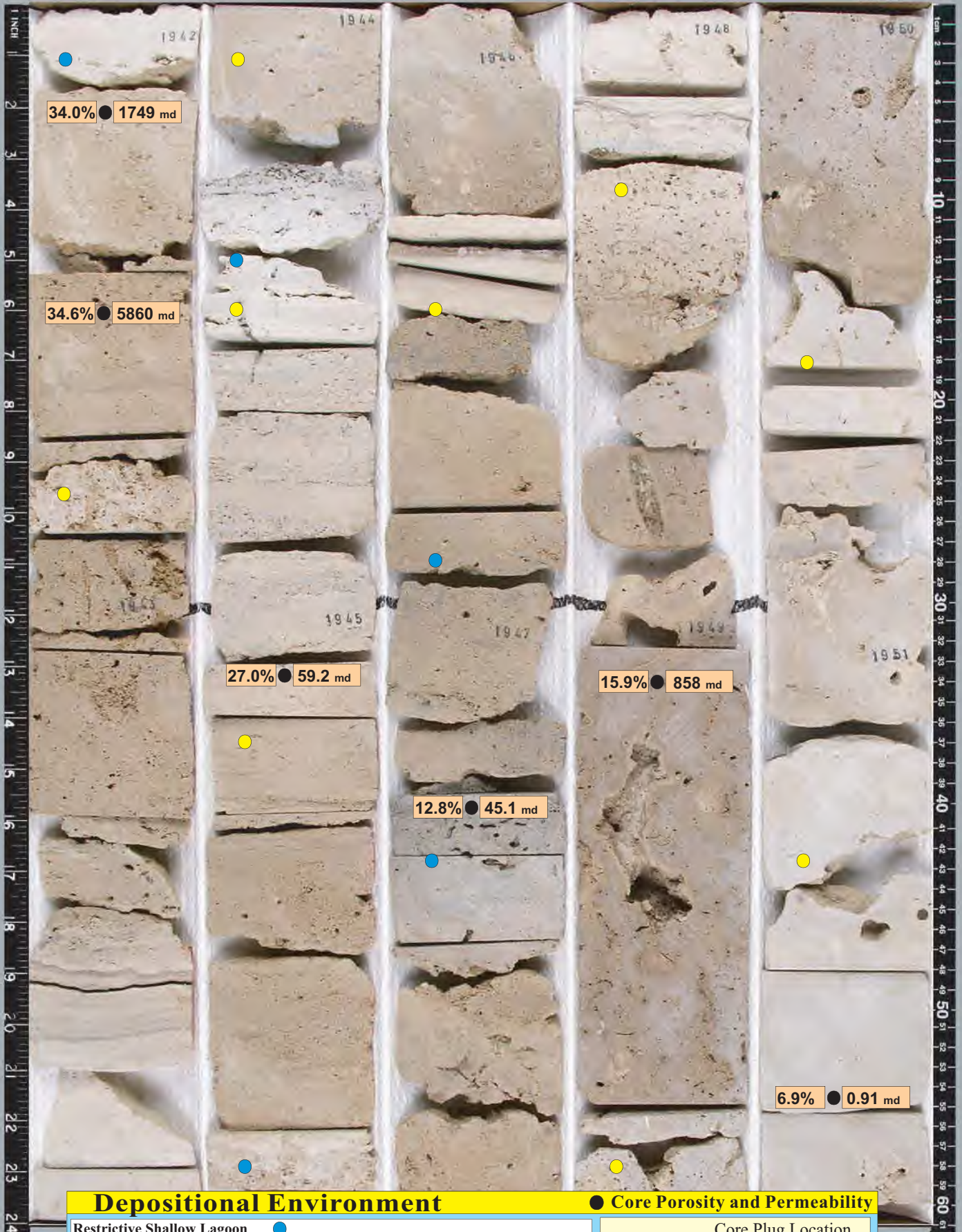
Depositional Environment		Core Porosity and Permeability	
Deep Lagoon	●	Core Plug Location	
Shallow Lagoon	●	Porosity (%)	39.7% ● 380.22md
Shoal Flank	●	Permeability (Kmax)	
Algal Mound	●		



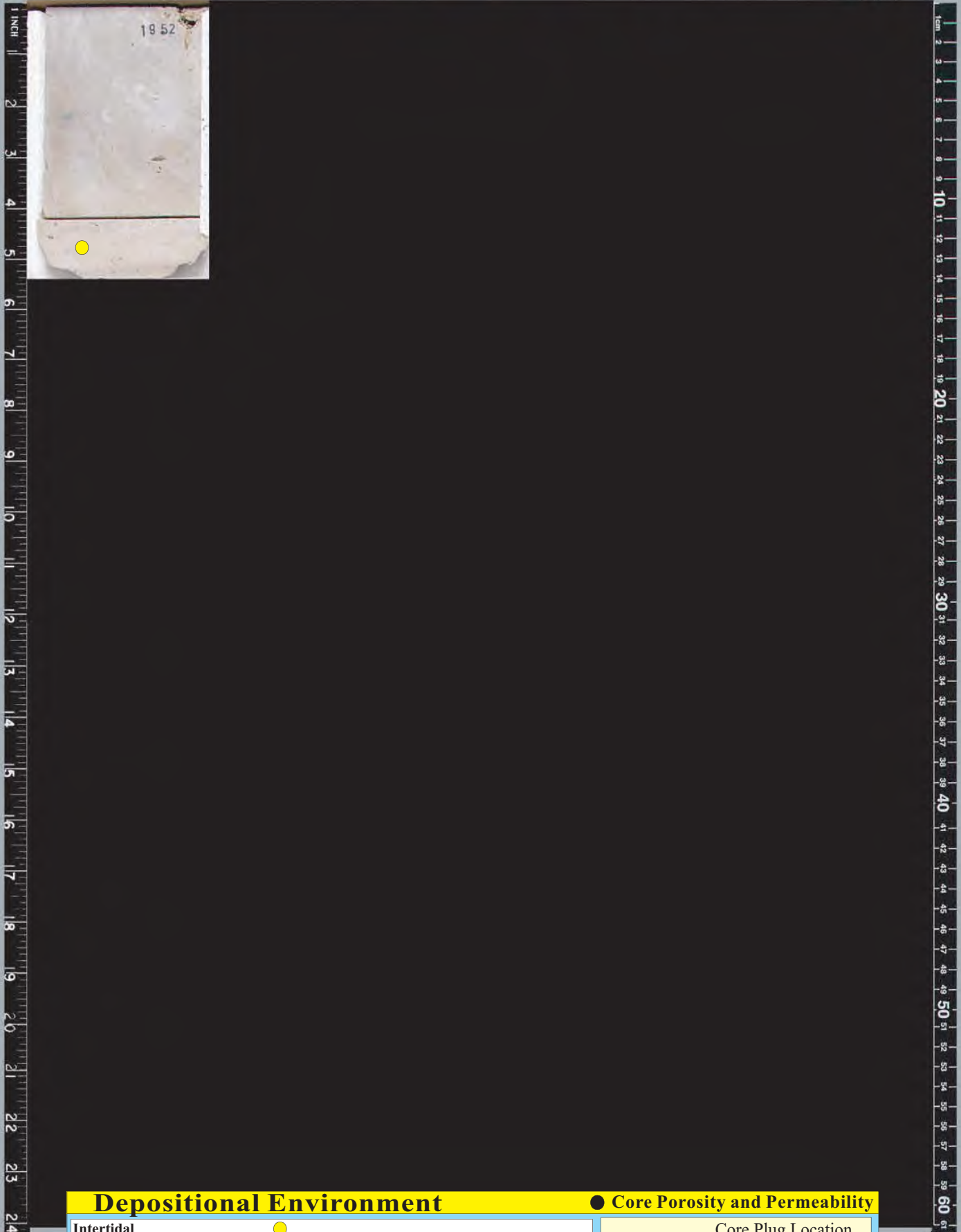
Depositional Environment		Core Porosity and Permeability	
Shallow Outer Ramp	●	Core Plug Location	
Shoal	○	Porosity (%)	39.7% ● 380.22md
Intertidal	●	Permeability (Kmax)	



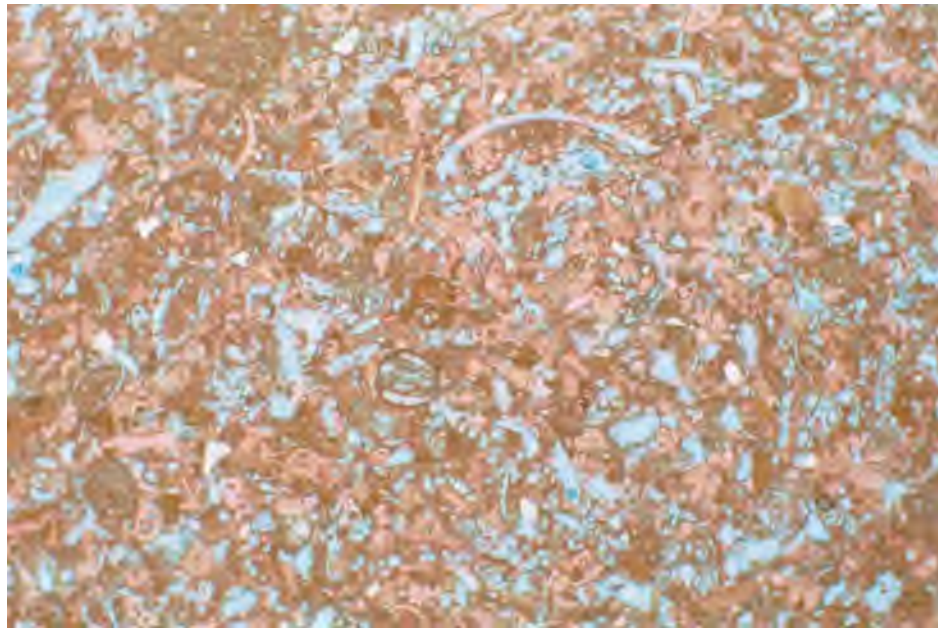
Depositional Environment		Core Porosity and Permeability	
Supratidal	<input type="radio"/>	Core Plug Location	
Intertidal	<input checked="" type="radio"/>	Porosity (%)	39.7% ● 380.22md
		Permeability (Kmax)	



Depositional Environment		Core Porosity and Permeability	
Restrictive Shallow Lagoon	●	Core Plug Location	
Supratidal	○	Porosity (%)	39.7% ● 380.22md
Intertidal	●	Permeability (Kmax)	

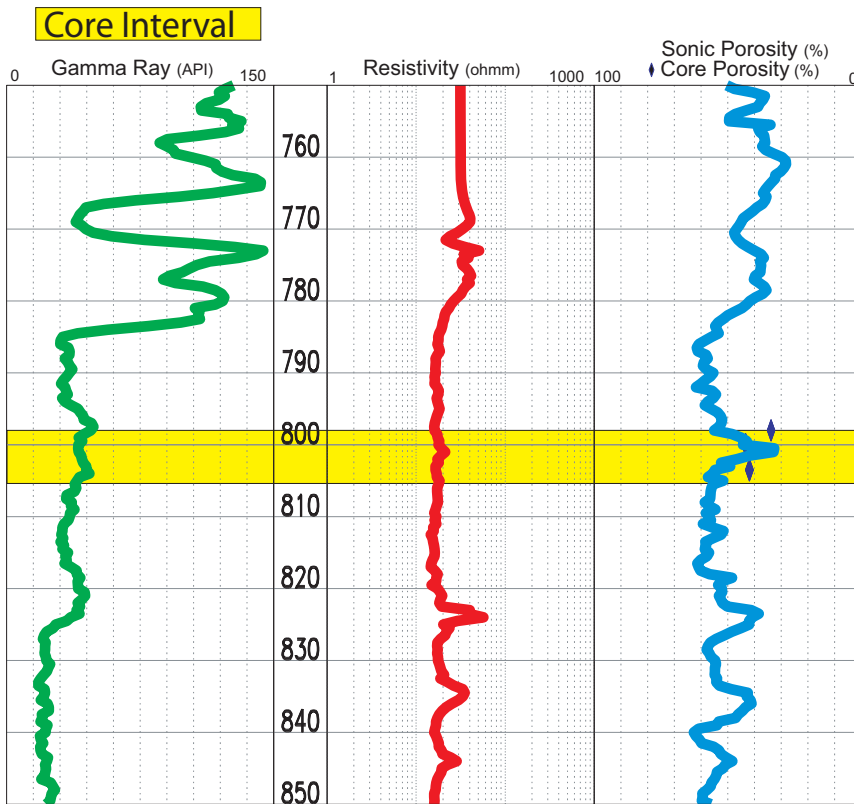


Depositional Environment		● Core Porosity and Permeability	
Intertidal	●	Core Plug Location	
		Porosity (%)	39.7%
		Permeability (Kmax)	380.22md



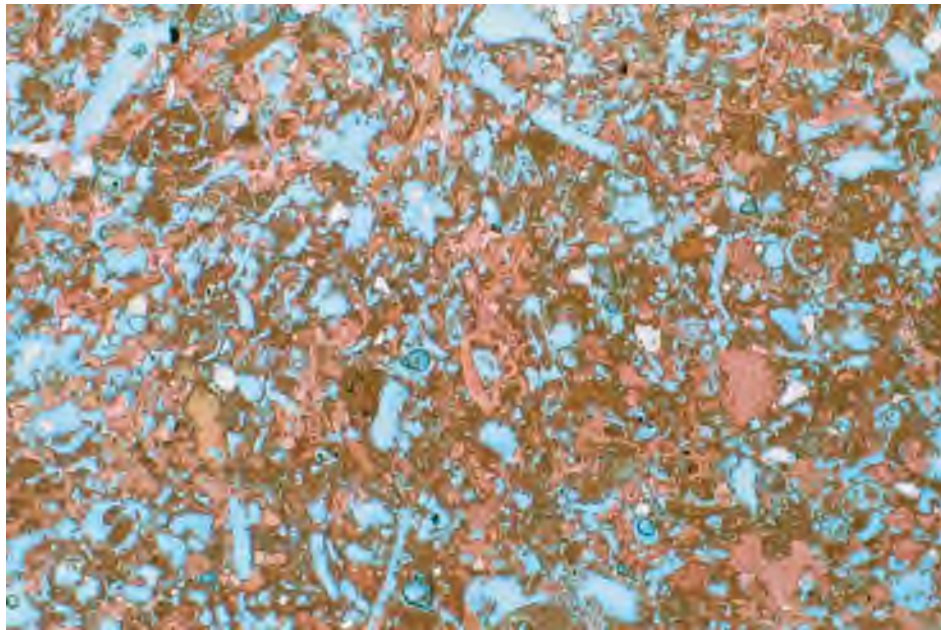
WELL: MF-37
DEPTH: 798.2
MAGNIFICATION: 40X

Lithofacies: Pellet-Foram-Packstone
Depositional Environment: Shallow Restrictive Lagoon
Porosity Amount: Good
Dominant Porosity Type: Moldic
Other Constituents:



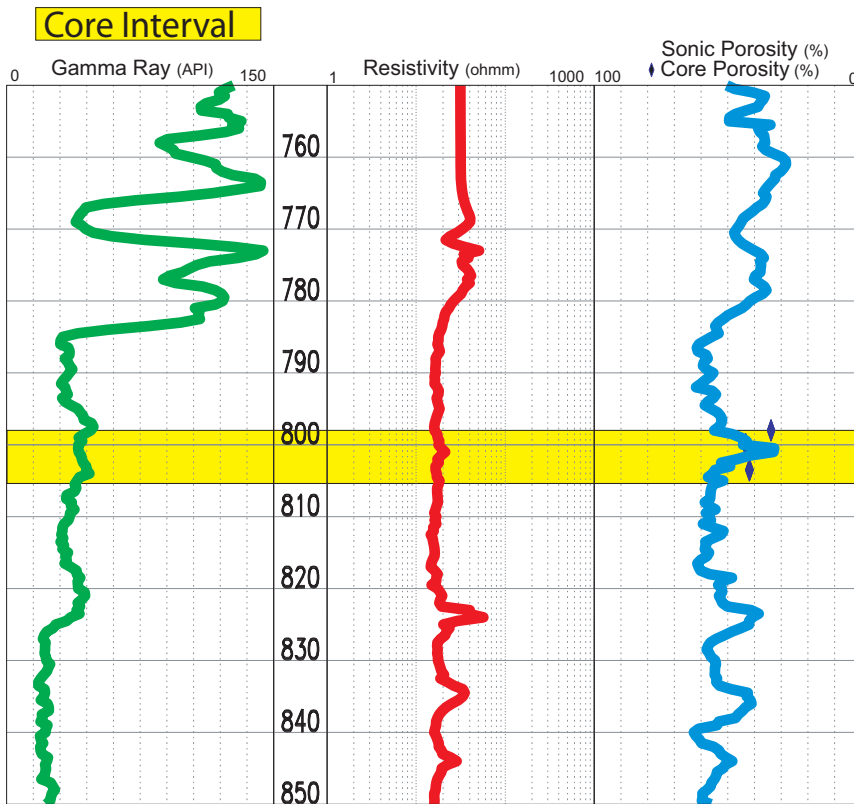
➔ Thin Section Location





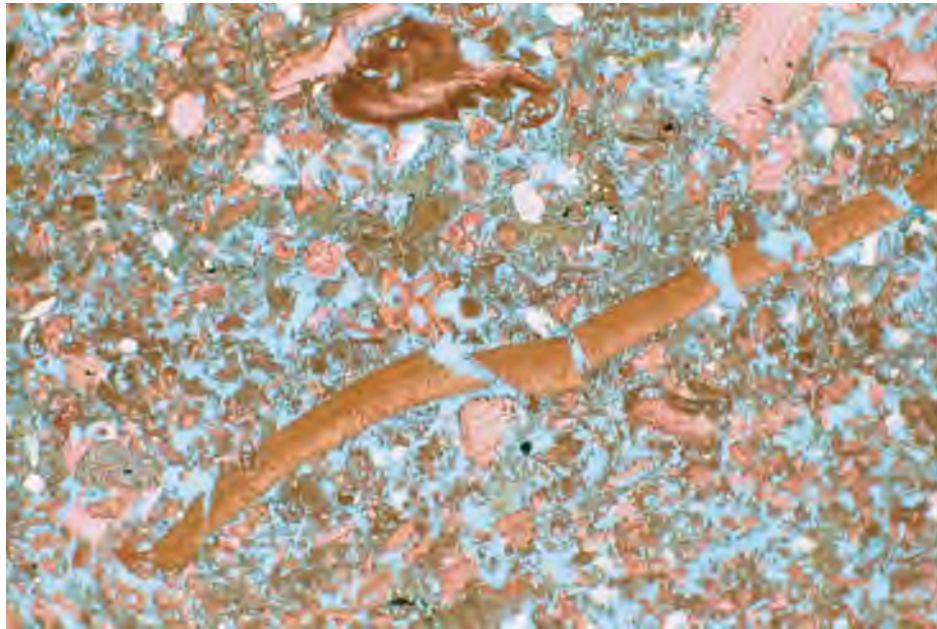
WELL: MF-37
DEPTH: 799.5
MAGNIFICATION: 40X

Lithofacies: Peloid-Pelecypod-Echinoderm-Foram-Pellet-Packstone
Depositional Environment: Deep Lagoon
Porosity Amount: Very Good
Dominant Porosity Type: Moldic
Other Constituents:



➔ Thin Section Location

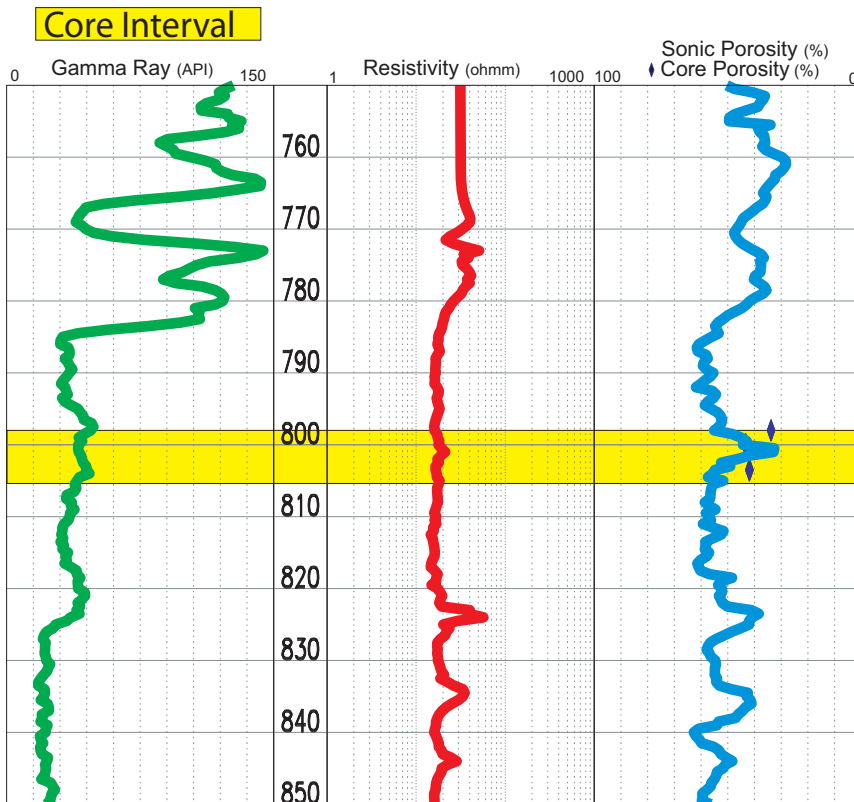


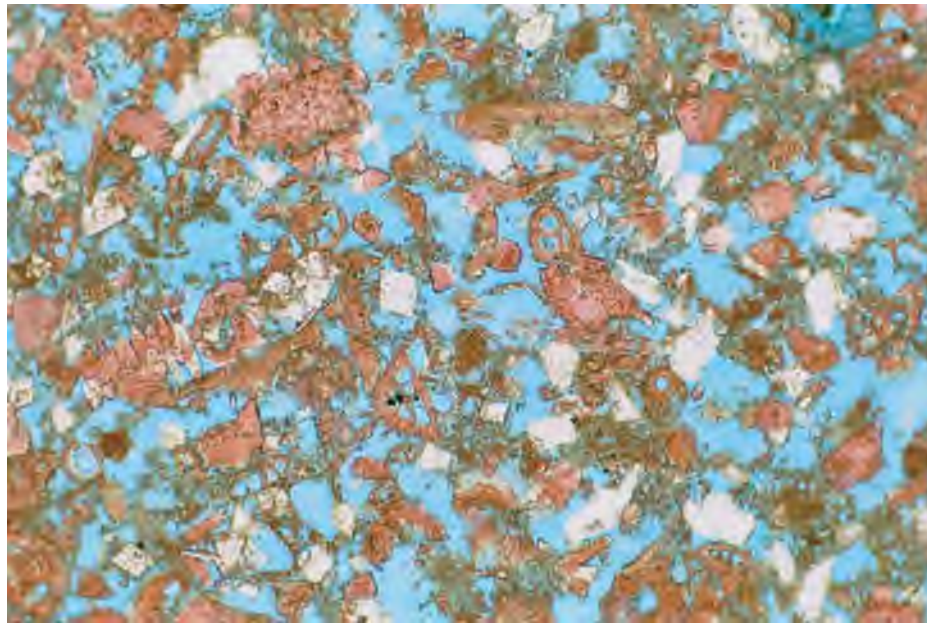


WELL: MF-37
DEPTH: 800.7
MAGNIFICATION: 40X

Lithofacies: Mollusca-Echinoderm-Foram-Pellet-Packstone
Depositional Environment: Deep Lagoon
Porosity Amount: Good
Dominant Porosity Type: Moldic-Interparticle
Other Constituents:

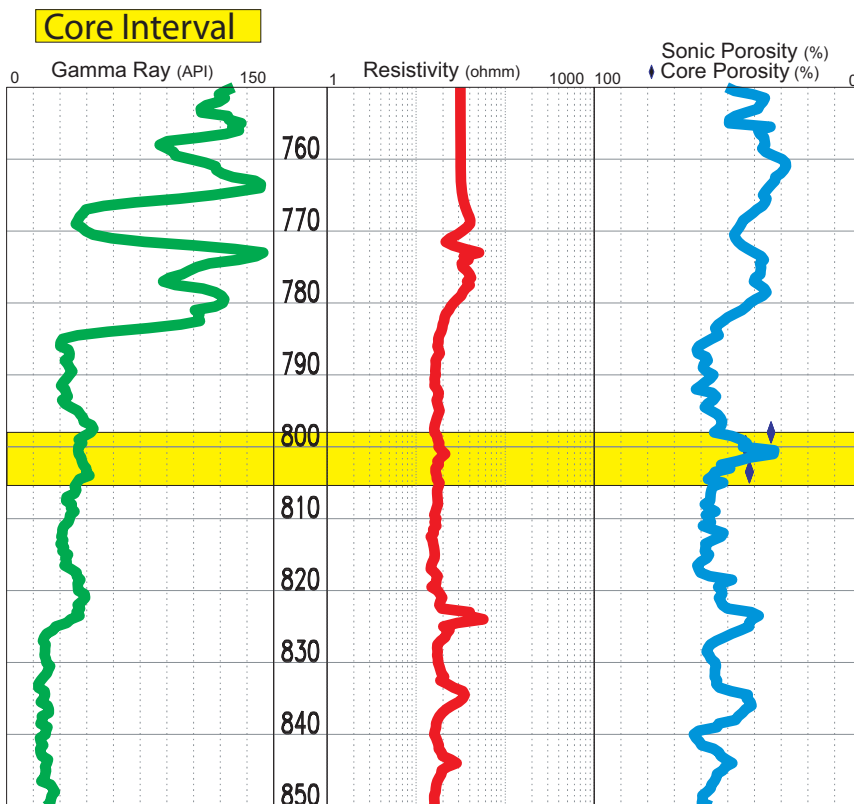
➔ Thin Section Location





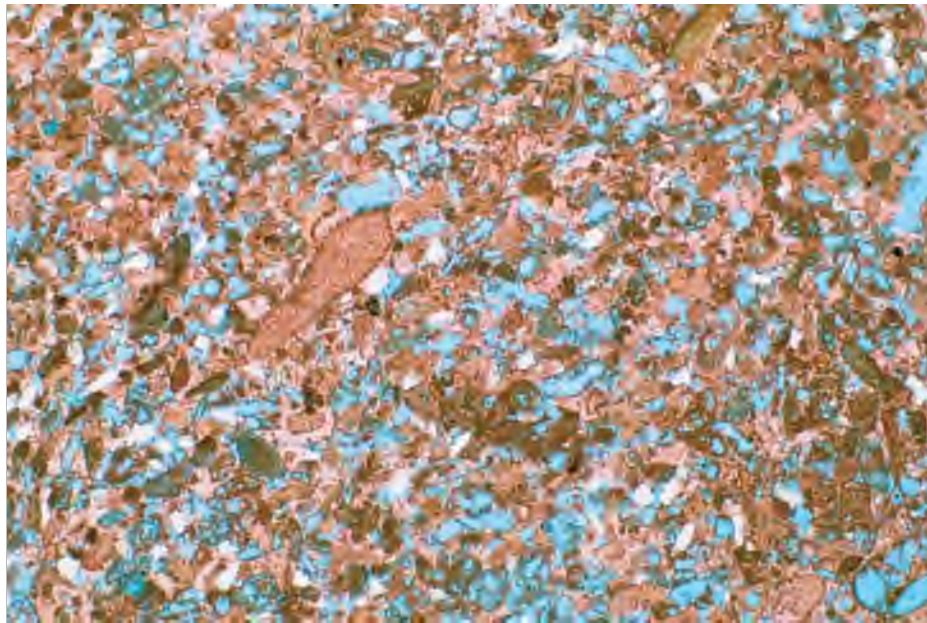
WELL: MF-37
DEPTH: 802.1
MAGNIFICATION: 100X

Lithofacies: Slightly Dolomitic Sandy Echinoderm-Foram-Pellet-Packstone
Depositional Environment: Deep Lagoon
Porosity Amount: Very Good
Dominant Porosity Type: Interparticle
Other Constituents: 15% dolomite, trace glauconite



➔ Thin Section Location

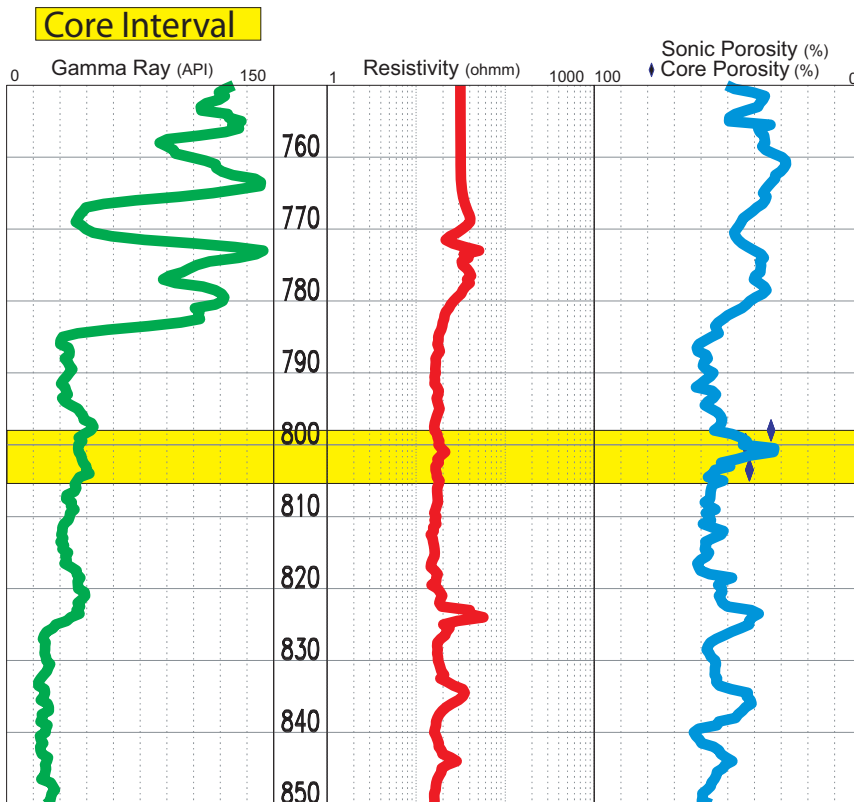


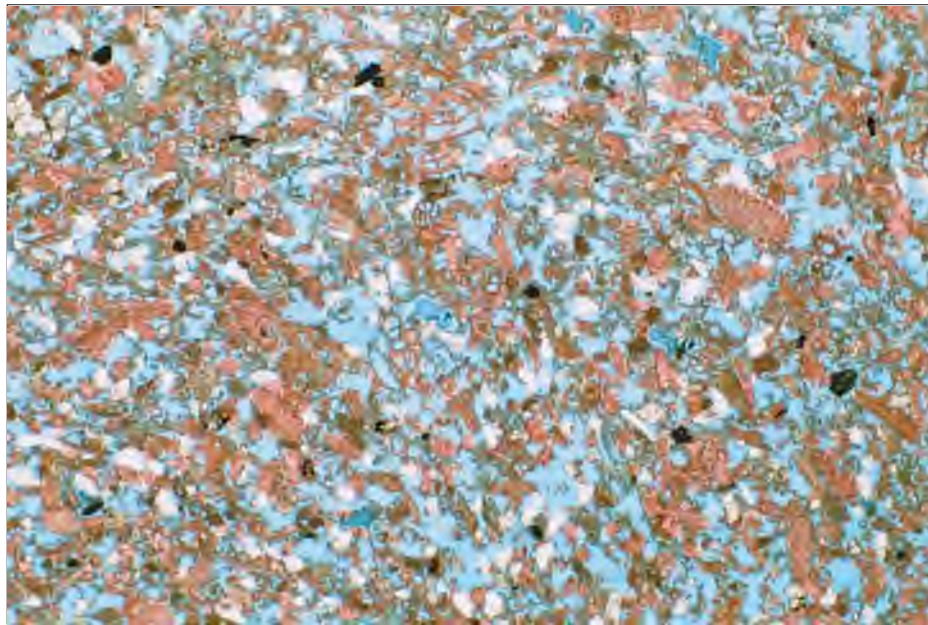


WELL: MF-37
DEPTH: 803.2
MAGNIFICATION: 40X

Lithofacies: Slightly Sandy-Echinoderm-Foram-Pellet-Grainstone
Depositional Environment: Shoal Flank
Porosity Amount: Fair
Dominant Porosity Type: Moldic
Other Constituents: trace glauconite

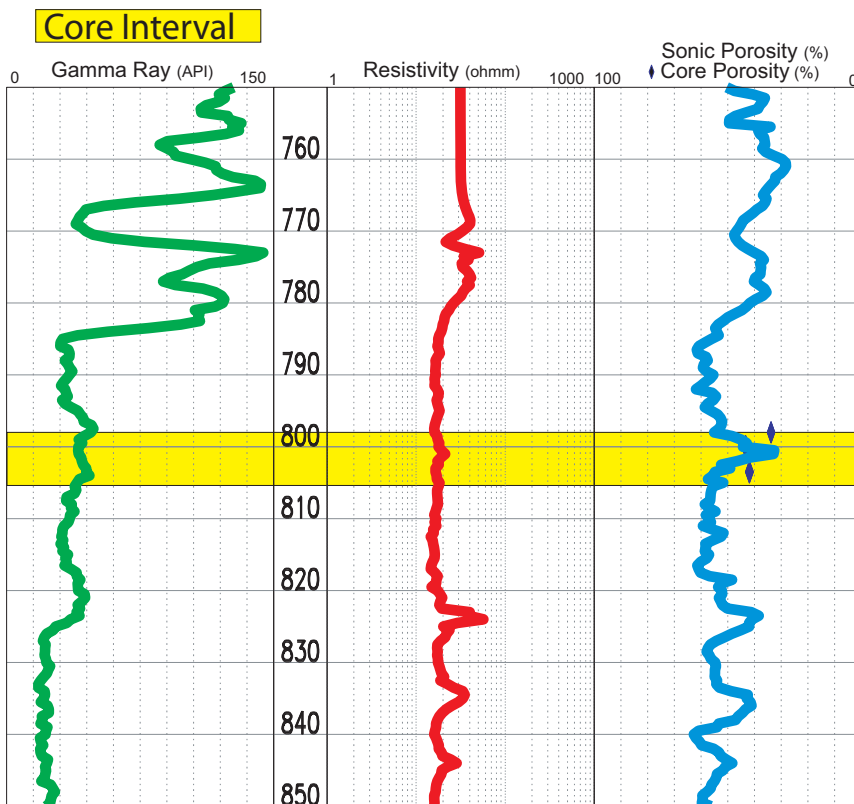
 Thin Section Location





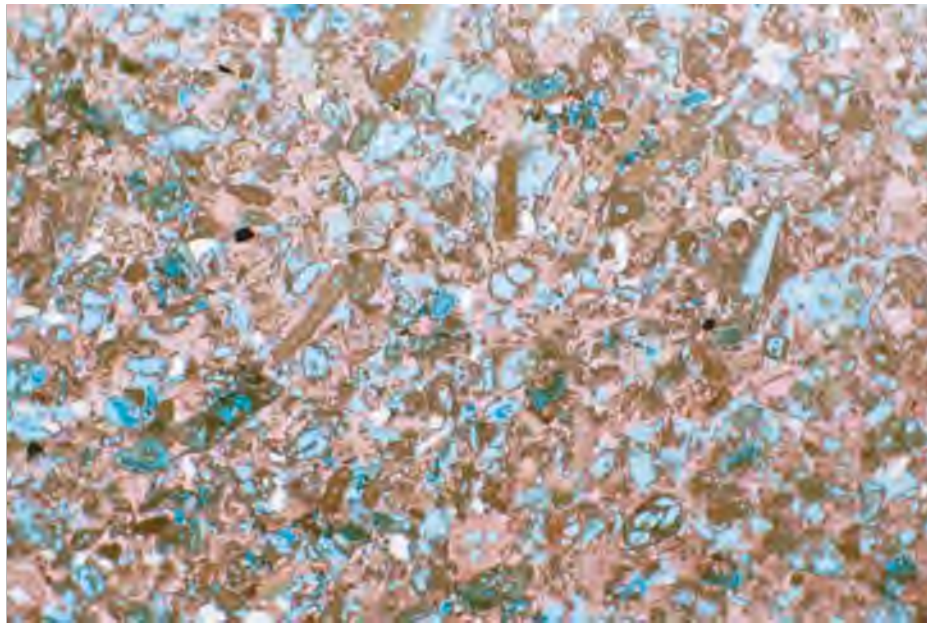
WELL: MF-37
DEPTH: 804.4
MAGNIFICATION: 40X

Lithofacies: Slightly Recrystallized-Slightly Sandy-Echinoderm-Pellet-Foram-Packstone-Wackestone
Depositional Environment: Deep Lagoon-Shoal Flank
Porosity Amount: Very Good
Dominant Porosity Type: Moldic-Vuggy
Other Constituents: 5% Dolomite



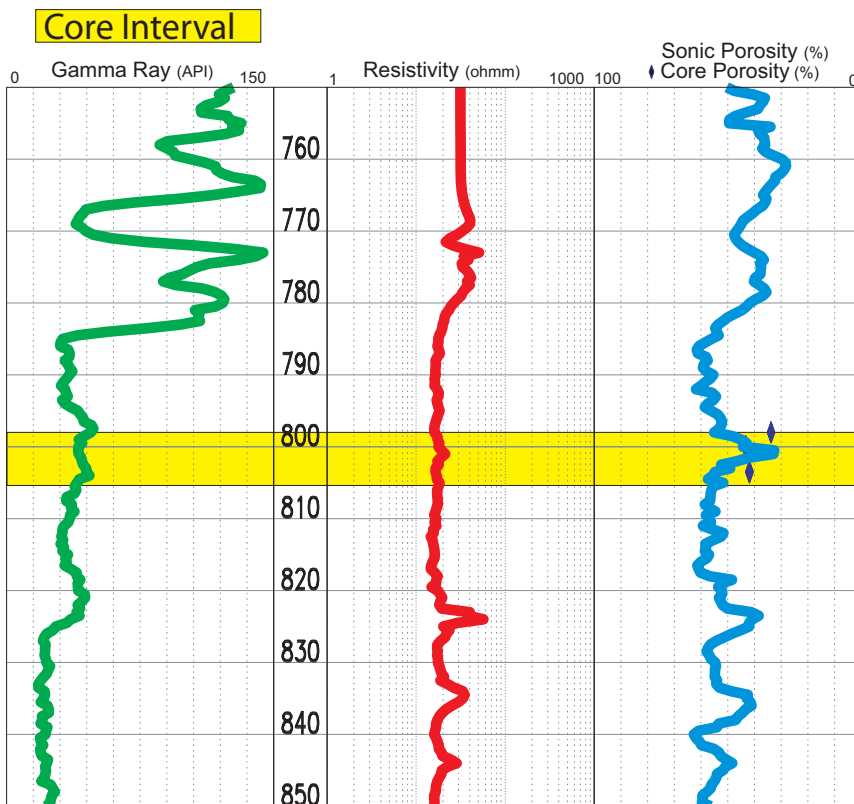
➔ Thin Section Location





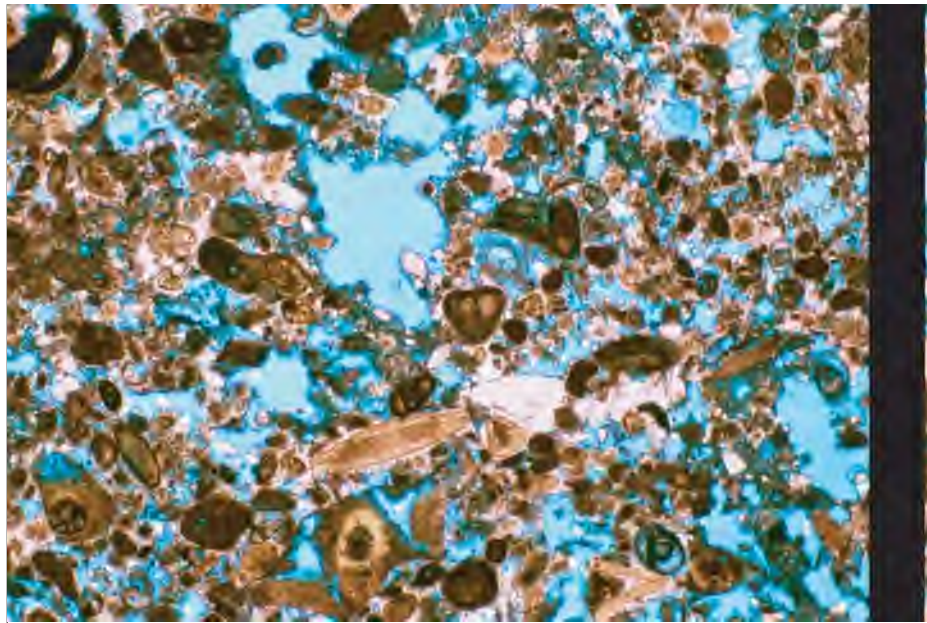
WELL: MF-37
 DEPTH: 805.2
 MAGNIFICATION: 40X

Lithofacies: Echinoderm-Pellet-Foram-Grainstone-Packstone
Depositional Environment: Shoal
Porosity Amount: Good
Dominant Porosity Type: Moldic-Interparticle
Other Constituents: Trace Dolomite, Trace Glauconite



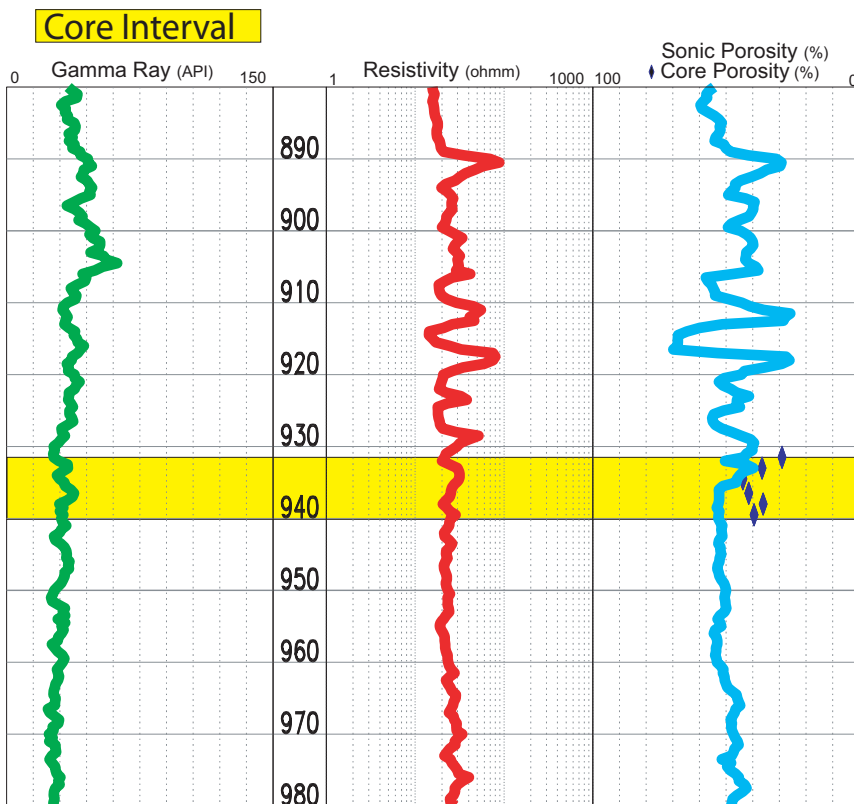
➔ Thin Section Location



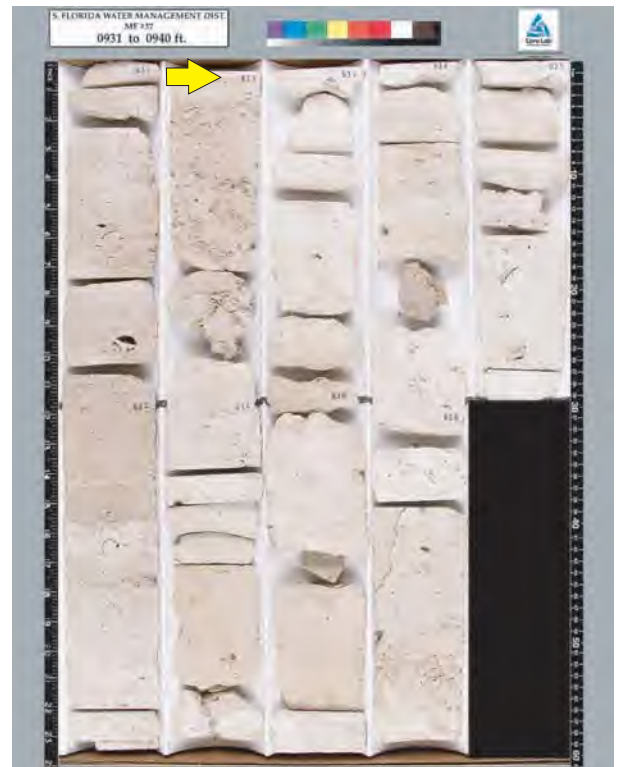


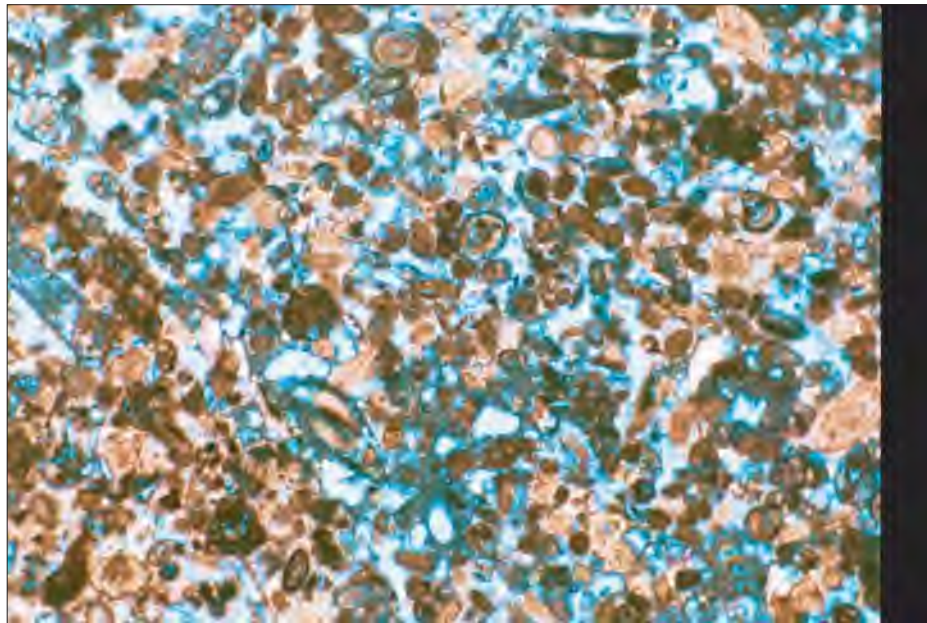
WELL: MF-37
 DEPTH: 933
 MAGNIFICATION: 40X

Lithofacies: Echinoderm-Intraclast-Foram-Pellet-Packstone
Depositional Environment: Deep Lagoon
Porosity Amount: Fair
Dominant Porosity Type: Moldic-Vuggy
Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 934.4
MAGNIFICATION: 40X

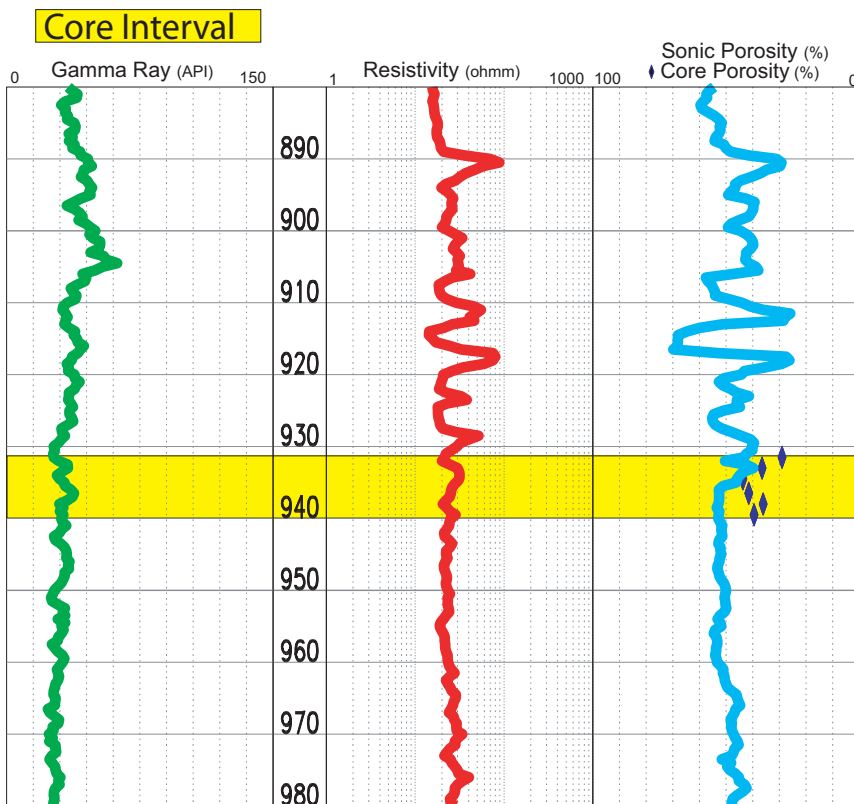
Lithofacies: Intraclast-Foram-Pellet-Packstone-Grainstone

Depositional Environment: Shoal Flank

Porosity Amount: Fair

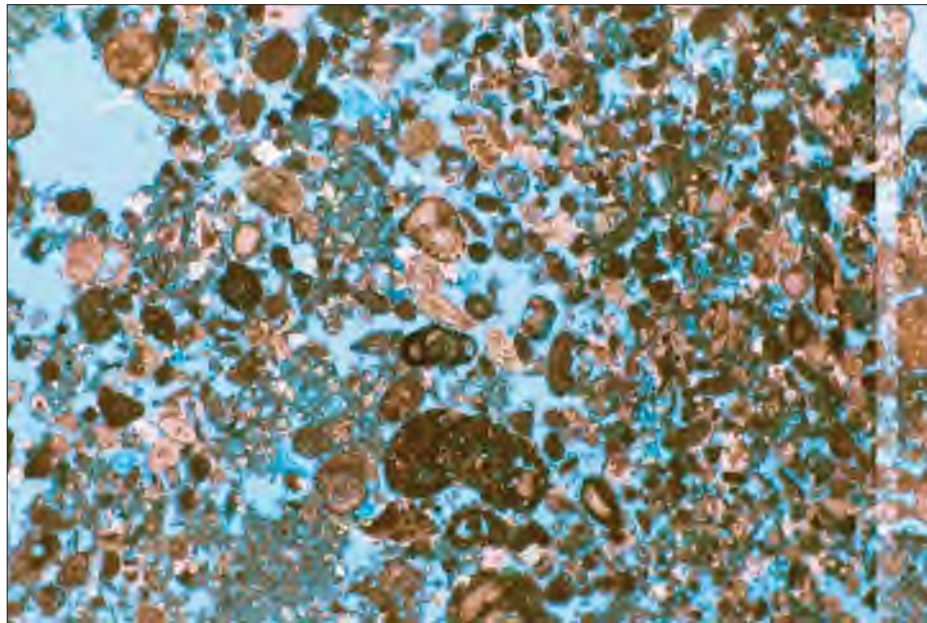
Dominant Porosity Type: Interparticle-Moldic

Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 935.5
MAGNIFICATION: 40X

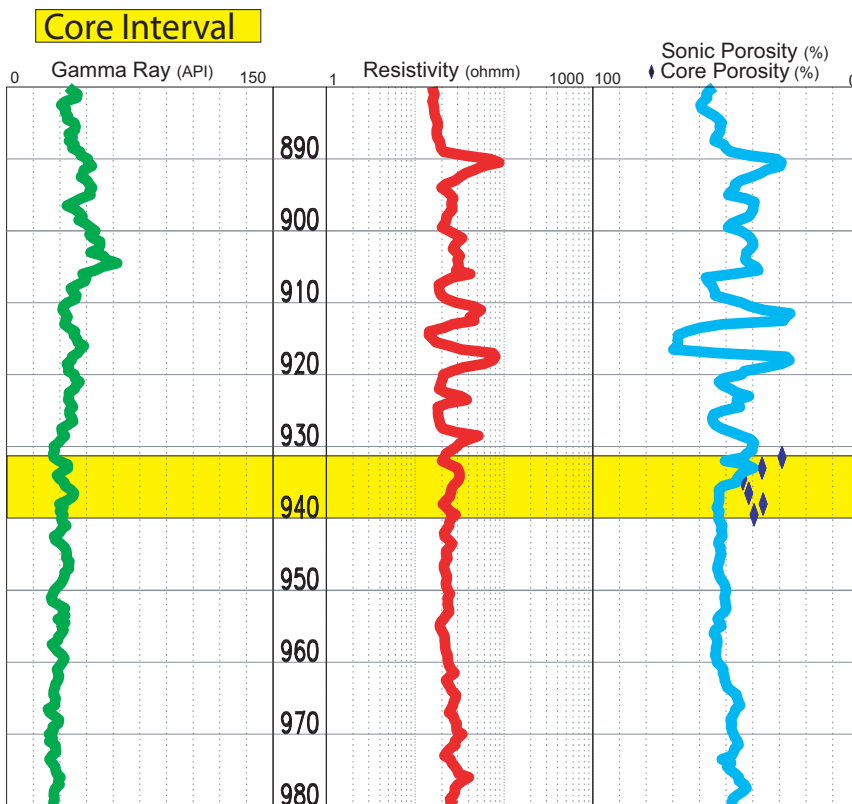
Lithofacies: Intraclast-Foram-Pellet-Packstone-Grainstone

Depositional Environment: Shoal Flank

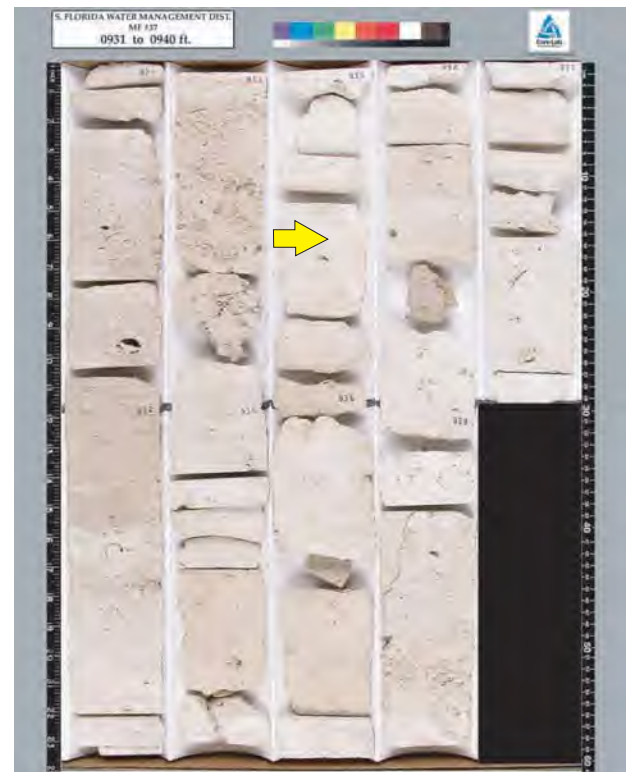
Porosity Amount: Very Good

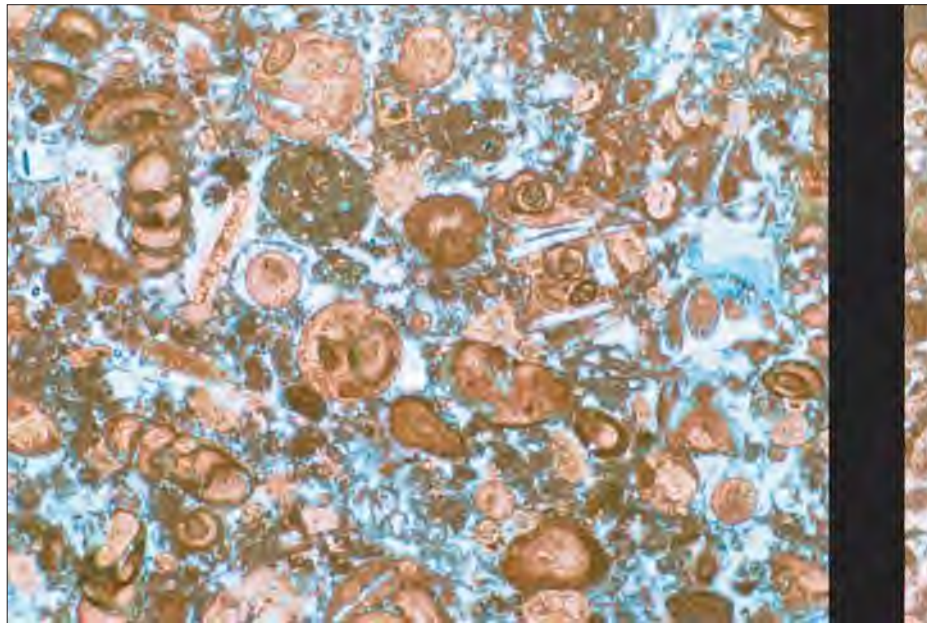
Dominant Porosity Type: Interparticle-Moldic

Other Constituents: 5% Dolomite



➔ Thin Section Location

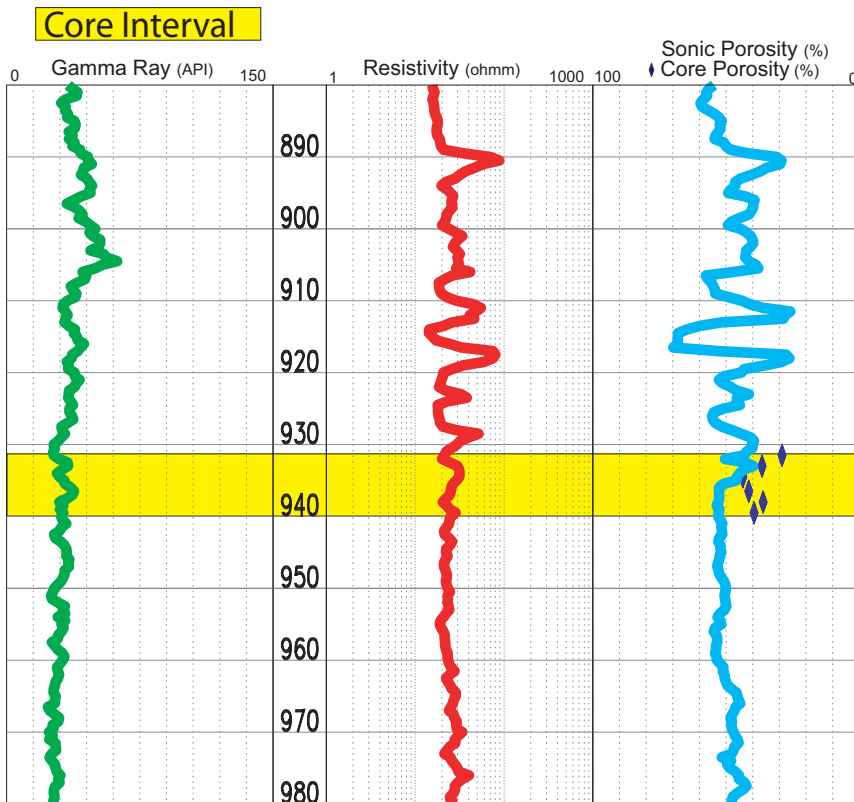


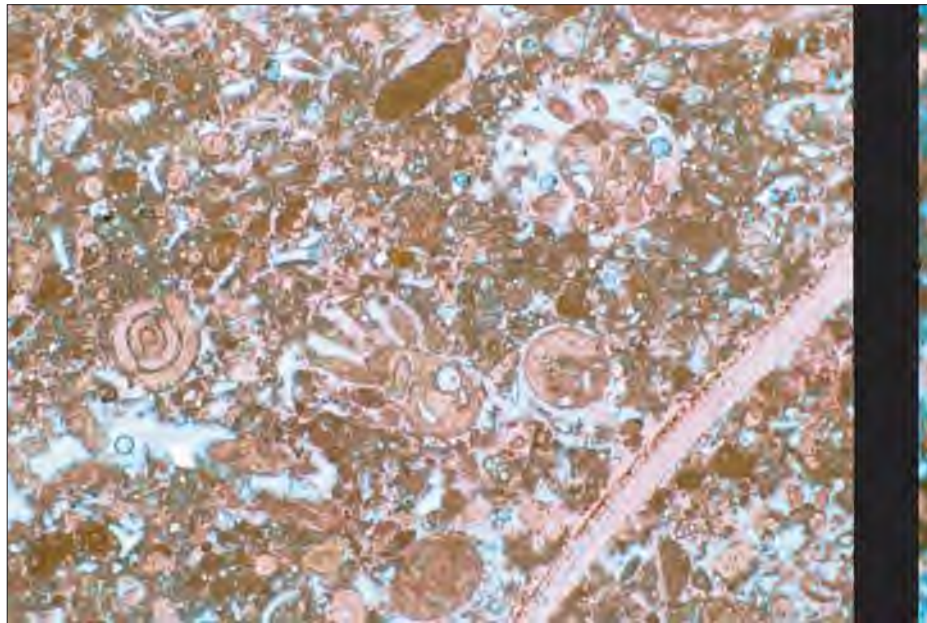


WELL: MF-37
DEPTH: 937.1
MAGNIFICATION: 40X

Lithofacies: Foram-Pellet-Packstone
Depositional Environment: Shallow Lagoon
Porosity Amount: Good
Dominant Porosity Type: Vuggy-Moldic
Other Constituents: <2% Dolomite

➔ Thin Section Location





WELL: MF-37
DEPTH: 938.3
MAGNIFICATION: 40X

Lithofacies: Algal-Bryozoan-Foram-Pellet-Packstone

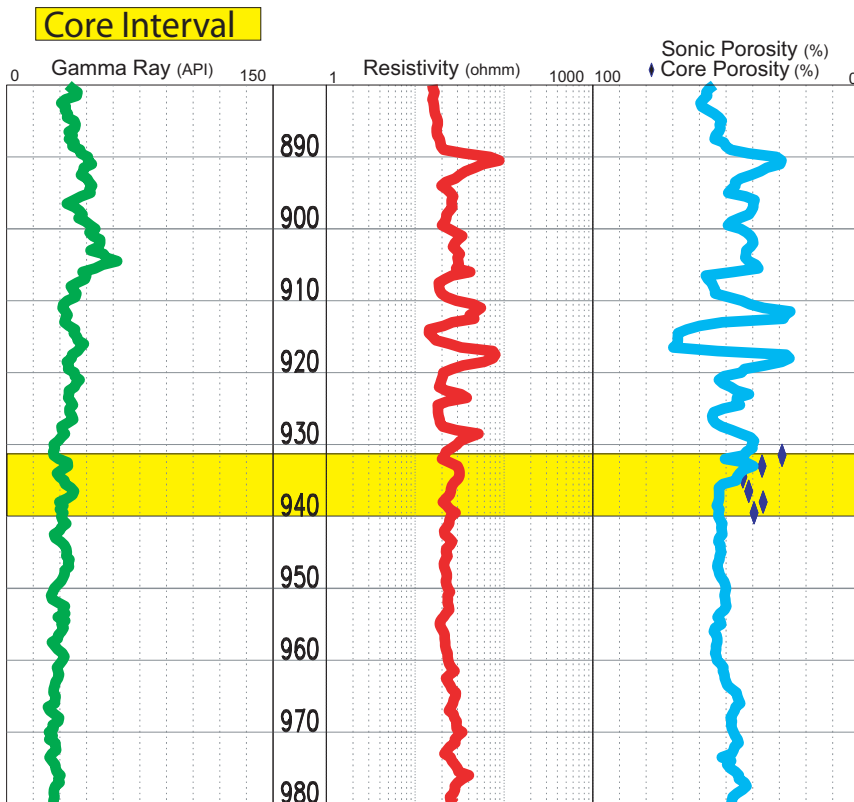
Depositional Environment: Algal Mound

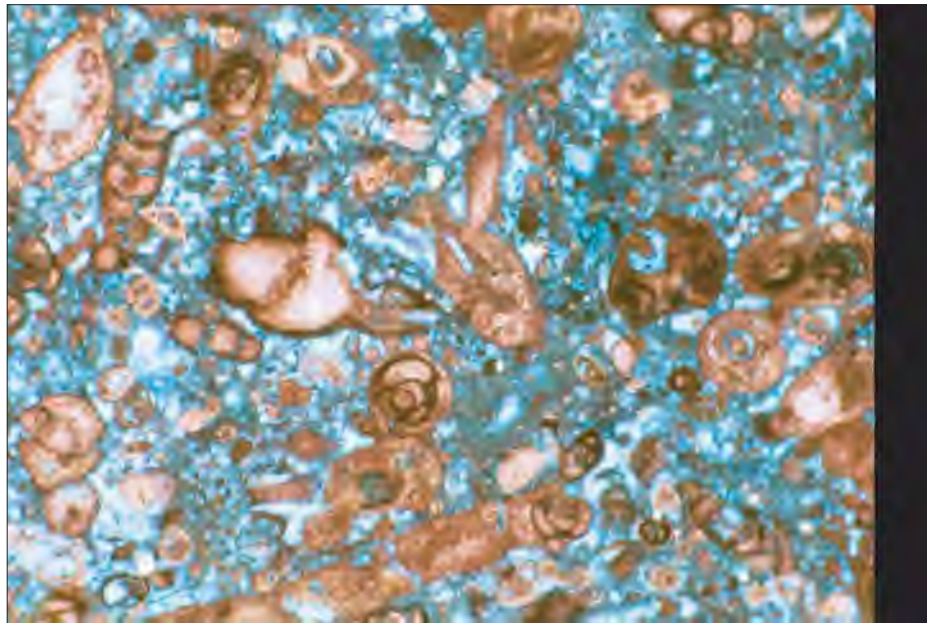
Porosity Amount: Fair

Dominant Porosity Type: Moldic

Other Constituents: <3% Dolomite

➔ Thin Section Location

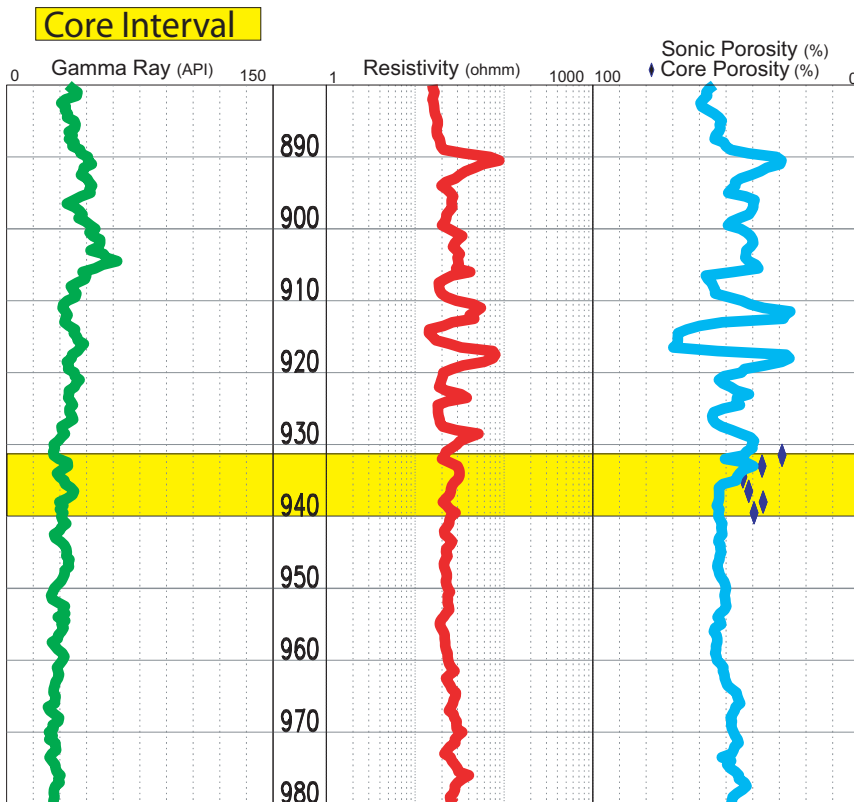


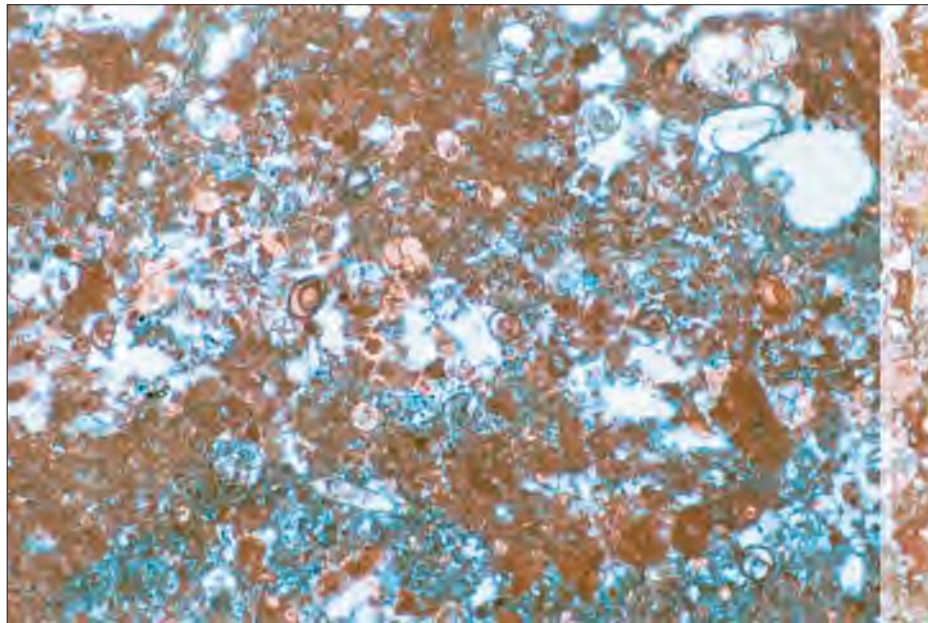


WELL: MF-37
DEPTH: 939.1
MAGNIFICATION: 40X

Lithofacies: Pellet-Foram-Packstone
Depositional Environment: Shallow Lagoon
Porosity Amount: Good
Dominant Porosity Type: Moldic-Interparticle-Vuggy
Other Constituents: <2% Dolomite

 Thin Section Location





WELL: MF-37
DEPTH: 1372.1
MAGNIFICATION: 40X

Lithofacies: Pellet-Foram-Packstone-Wackestone

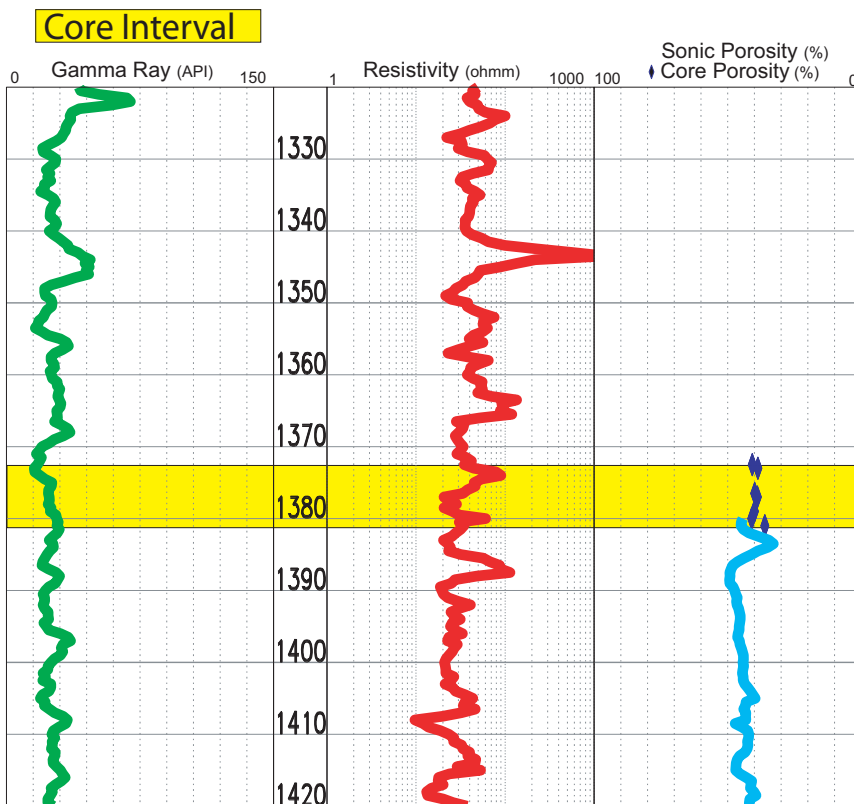
Depositional Environment: Intertidal

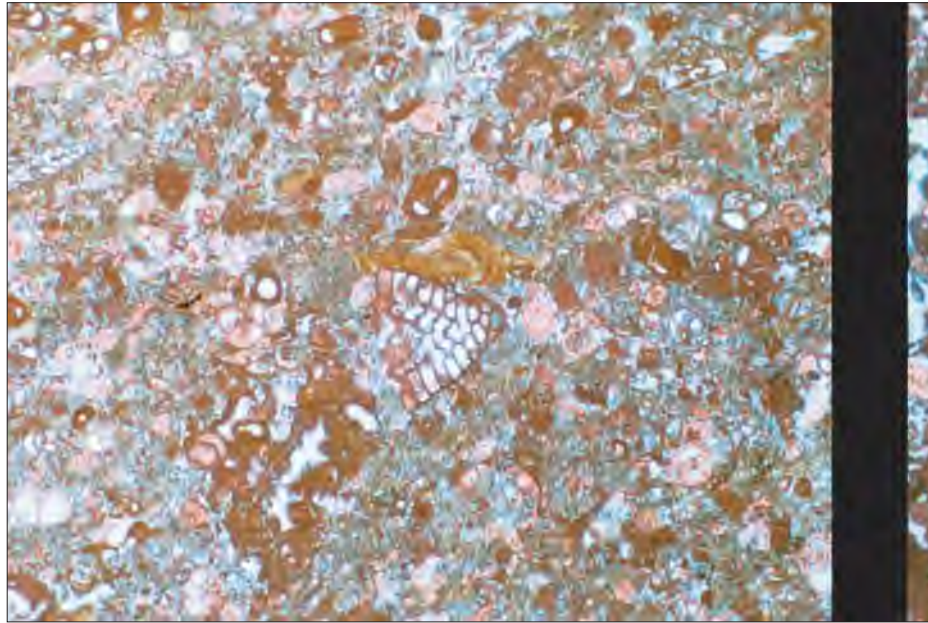
Porosity Amount: Fair

Dominant Porosity Type: Vuggy-Moldic

Other Constituents:

➔ Thin Section Location





WELL: MF-37
DEPTH: 1373.8
MAGNIFICATION: 40X

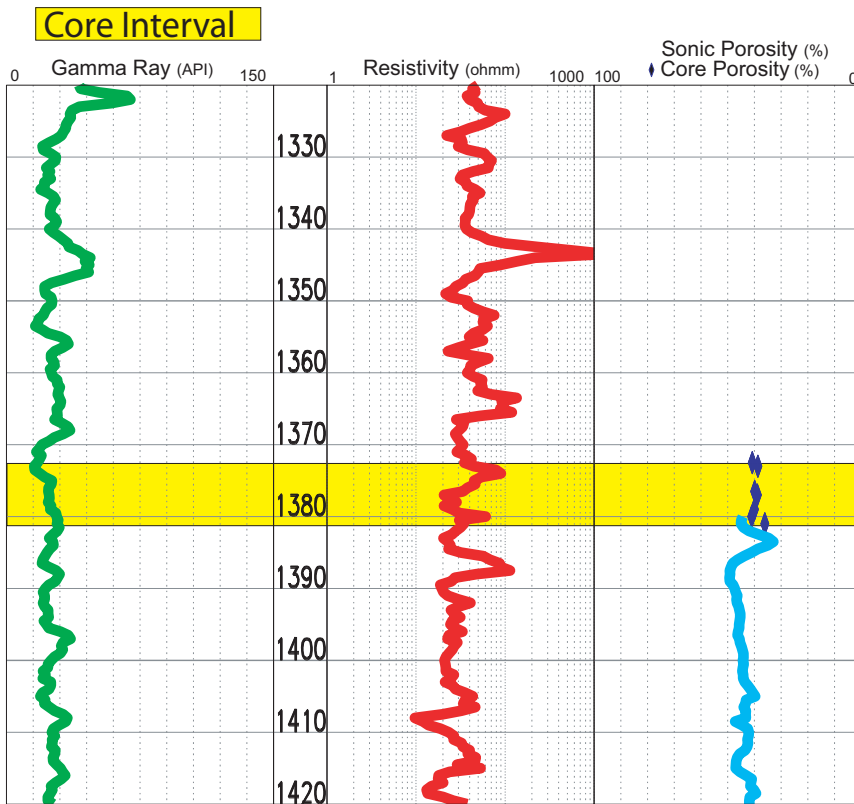
Lithofacies: Foram-Pellet-Packstone-Wackestone

Depositional Environment: Shallow Outer Ramp

Porosity Amount: Fair

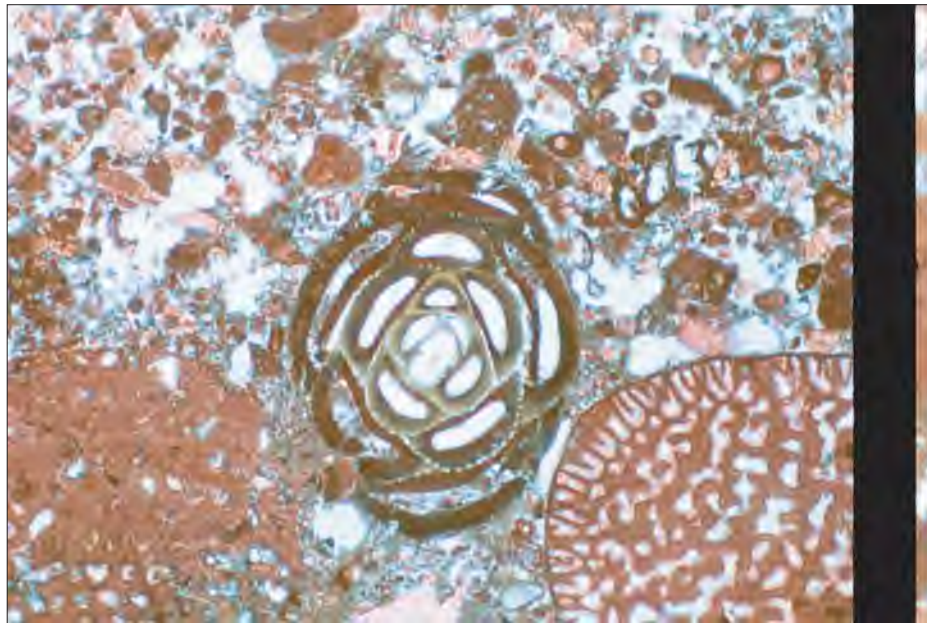
Dominant Porosity Type: Vuggy-Moldic

Other Constituents:



➔ Thin Section Location

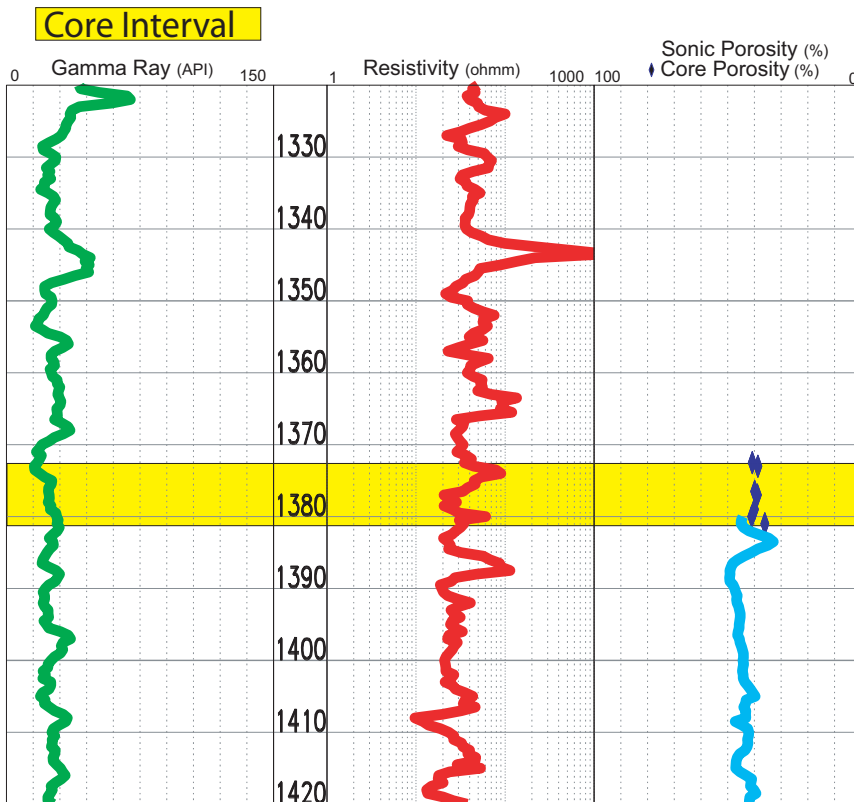


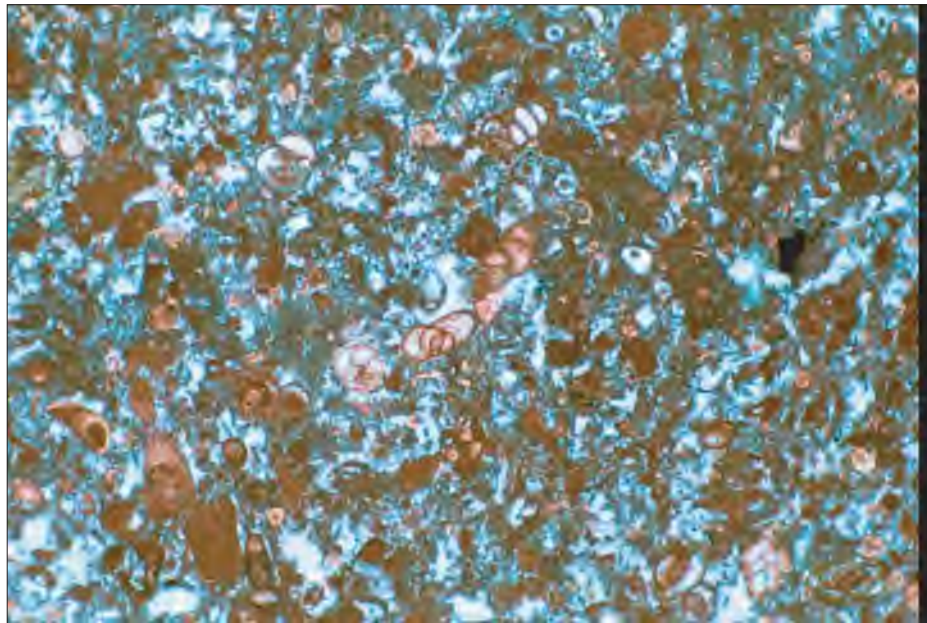


WELL: MF-37
DEPTH: 1376
MAGNIFICATION: 40X

Lithofacies: Pellet-Foram-Grainstone-Packstone
Depositional Environment: Shoal
Porosity Amount: Very Good
Dominant Porosity Type: Vuggy-Moldic-Interparticle
Other Constituents:

➔ Thin Section Location

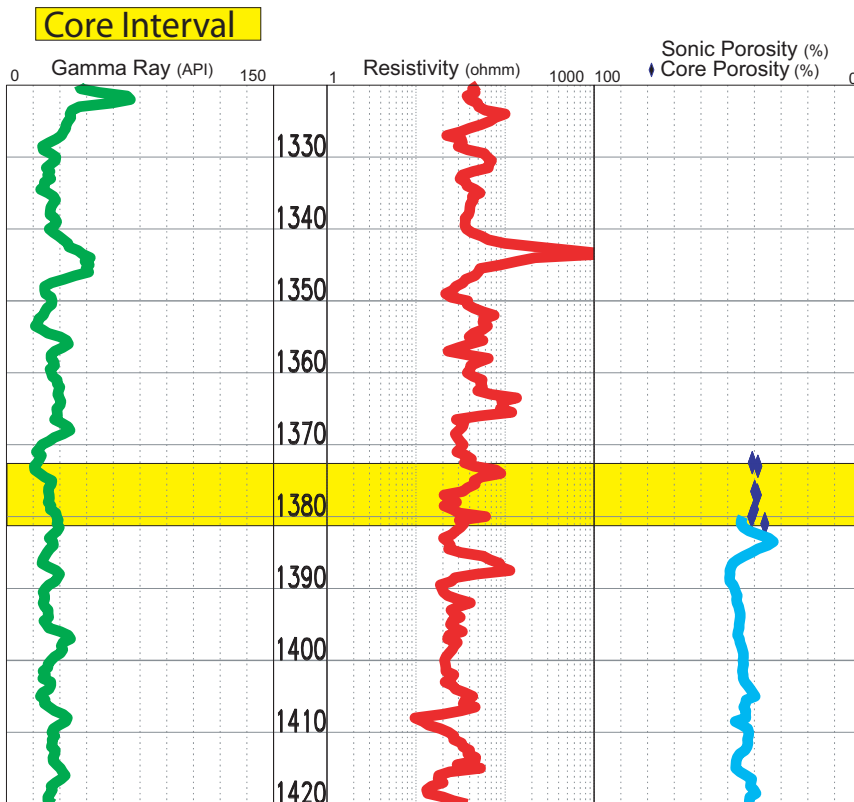


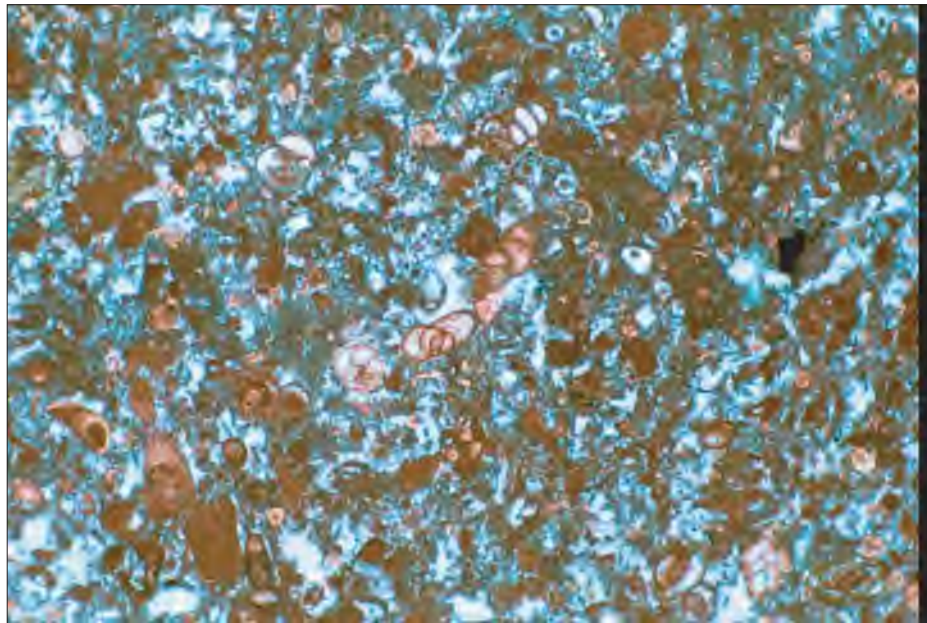


WELL: MF-37
DEPTH: 1377.9
MAGNIFICATION: 40X

Lithofacies: Foram-Pellet-Intraclast-Packstone
Depositional Environment: Shallow Outer Ramp
Porosity Amount: Fair
Dominant Porosity Type: Vuggy-Moldic
Other Constituents:

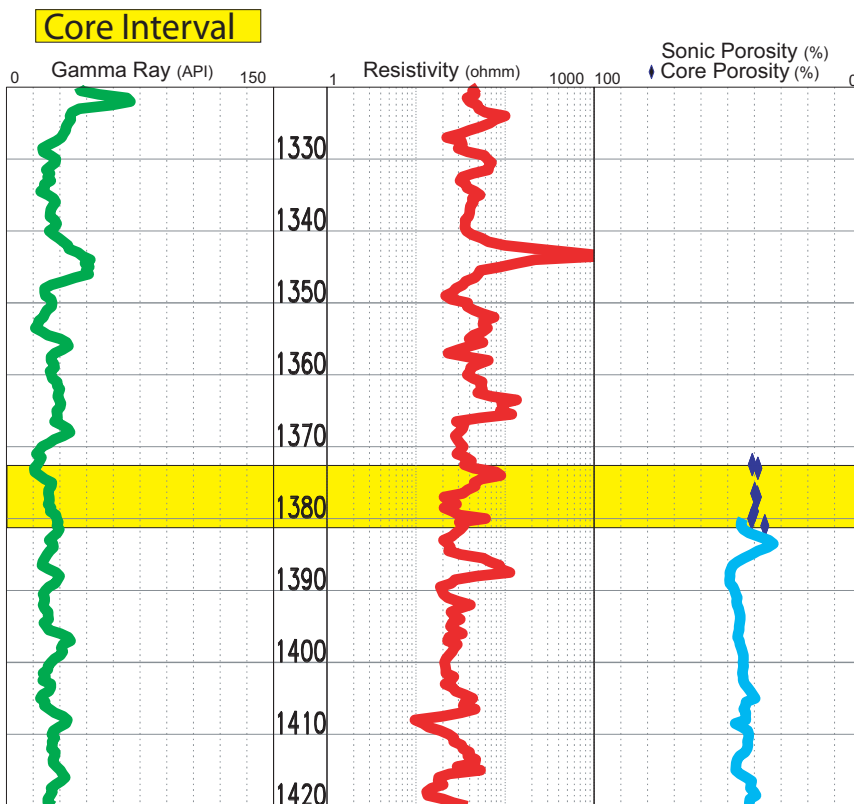
➔ Thin Section Location





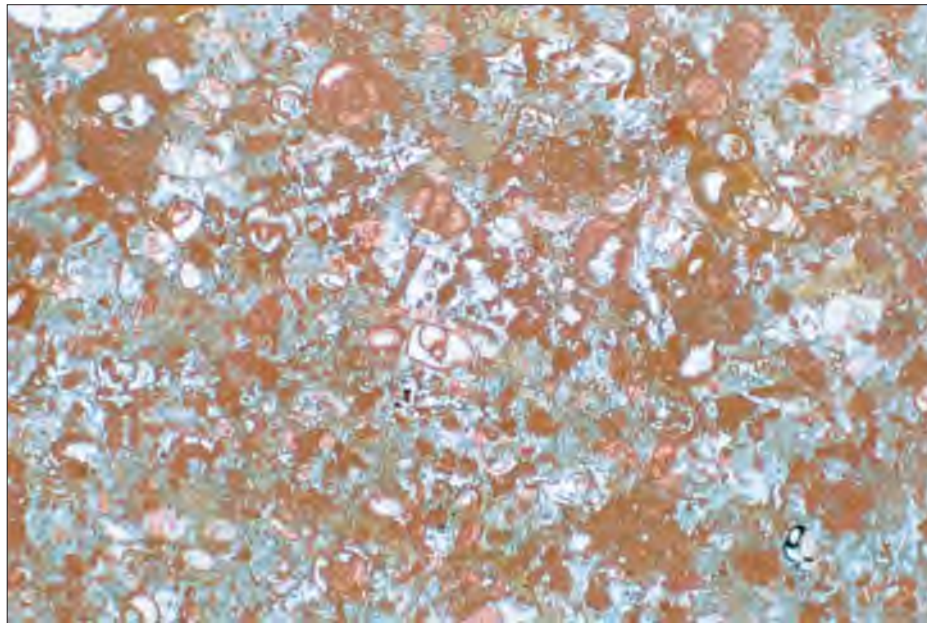
WELL: MF-37
DEPTH: 1379.9
MAGNIFICATION: 40X

Lithofacies: Foram-Pellet-Packstone
Depositional Environment: Shallow Outer Ramp
Porosity Amount: Good
Dominant Porosity Type: Vuggy-Moldic
Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 1380.9
MAGNIFICATION: 40X

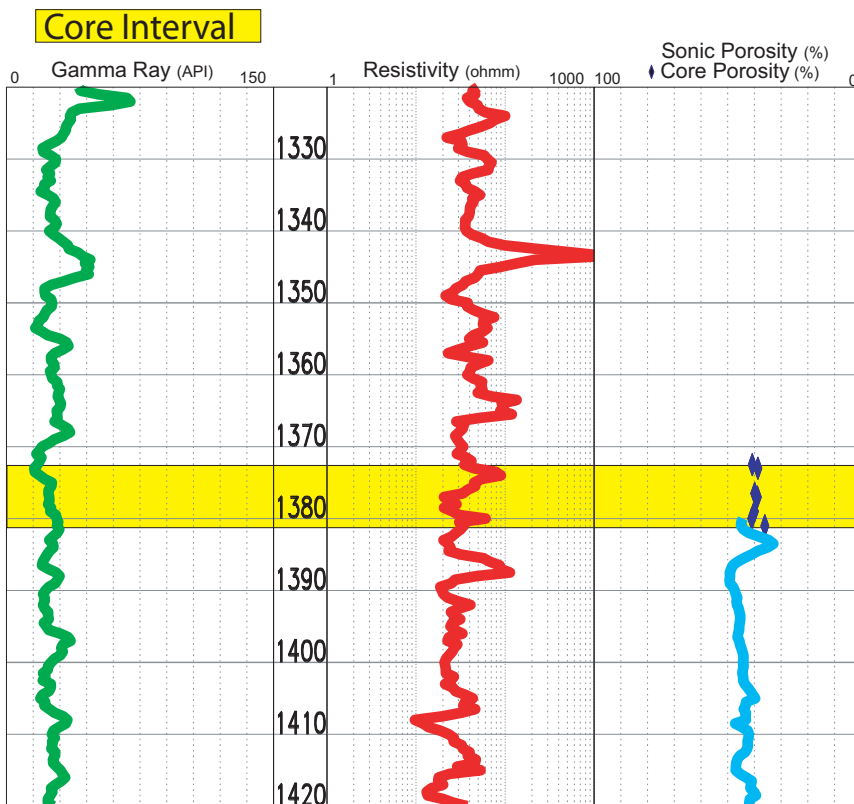
Lithofacies: Intraclast-Foram-Pellet-Wackestone-Packstone

Depositional Environment: Shallow Outer Ramp

Porosity Amount: Fair

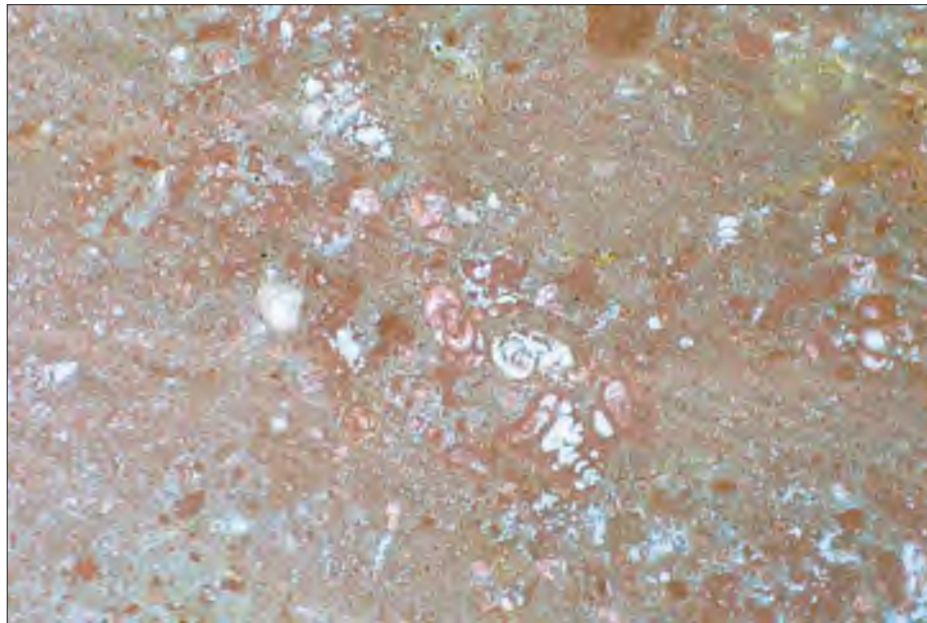
Dominant Porosity Type: Moldic-Intraparticle

Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 1381.3
MAGNIFICATION: 40X

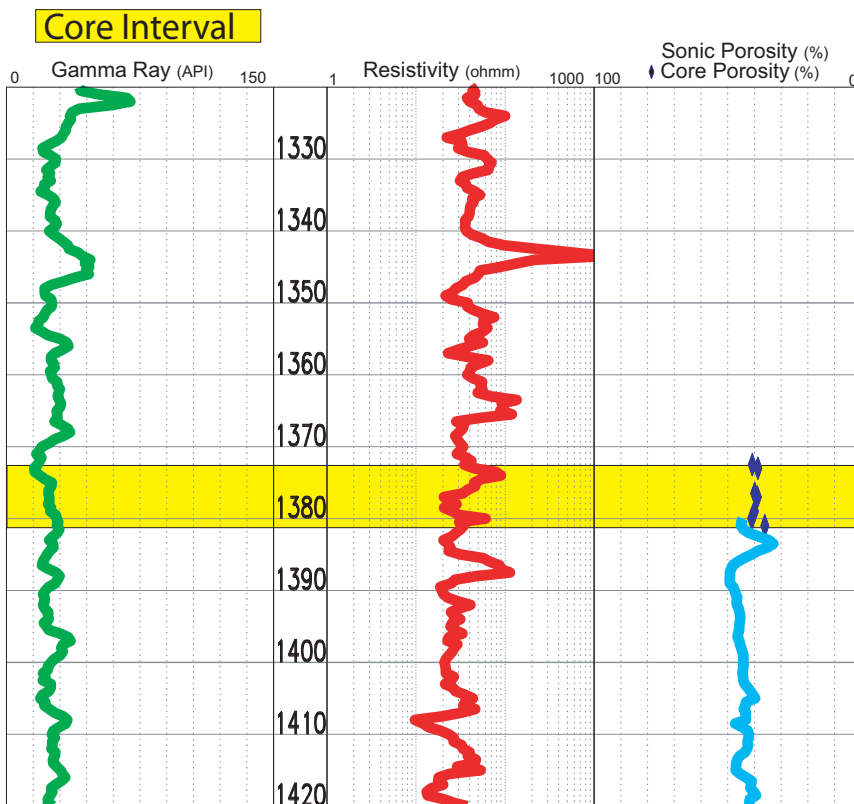
Lithofacies: Peloid-Foram-Pellet-Wackestone

Depositional Environment: Intertidal

Porosity Amount: Poor

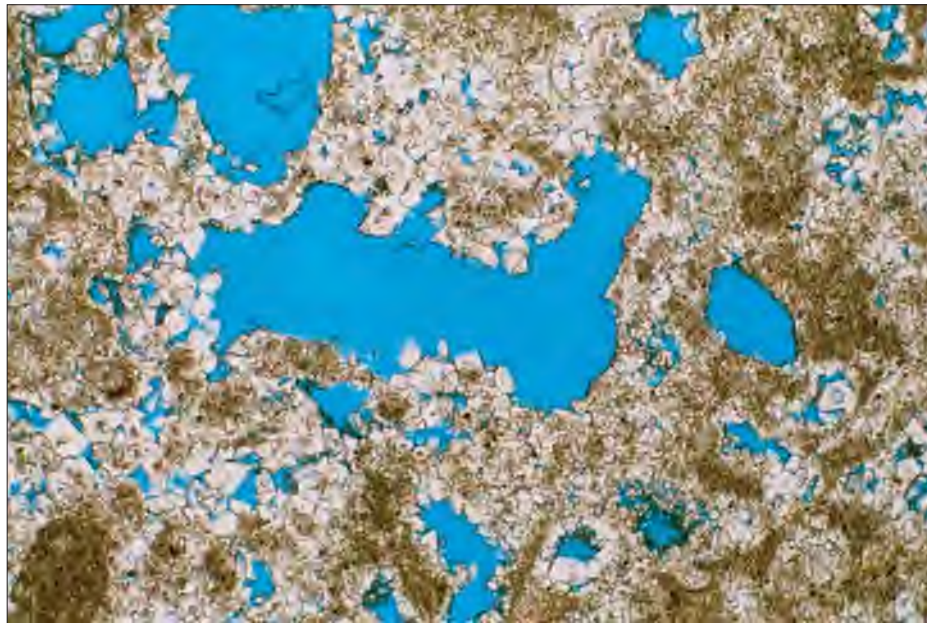
Dominant Porosity Type: Intraparticle

Other Constituents:



➔ Thin Section Location

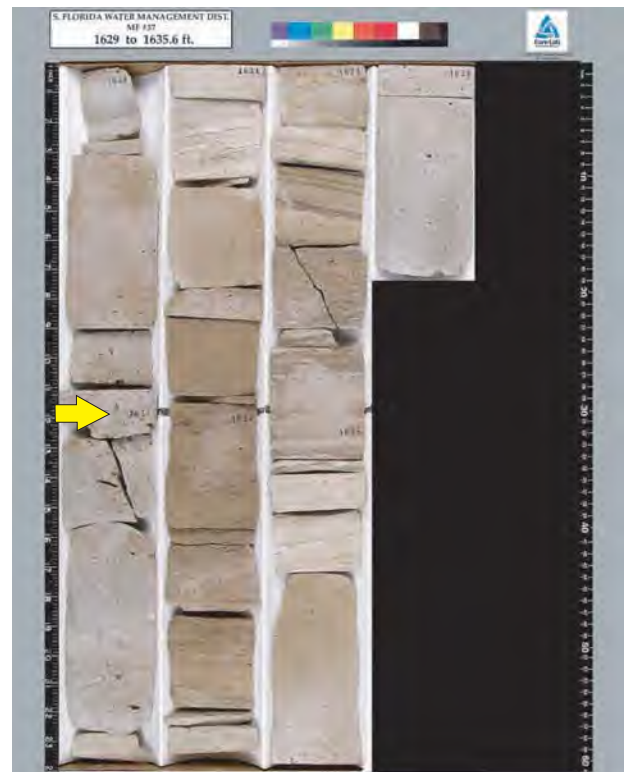
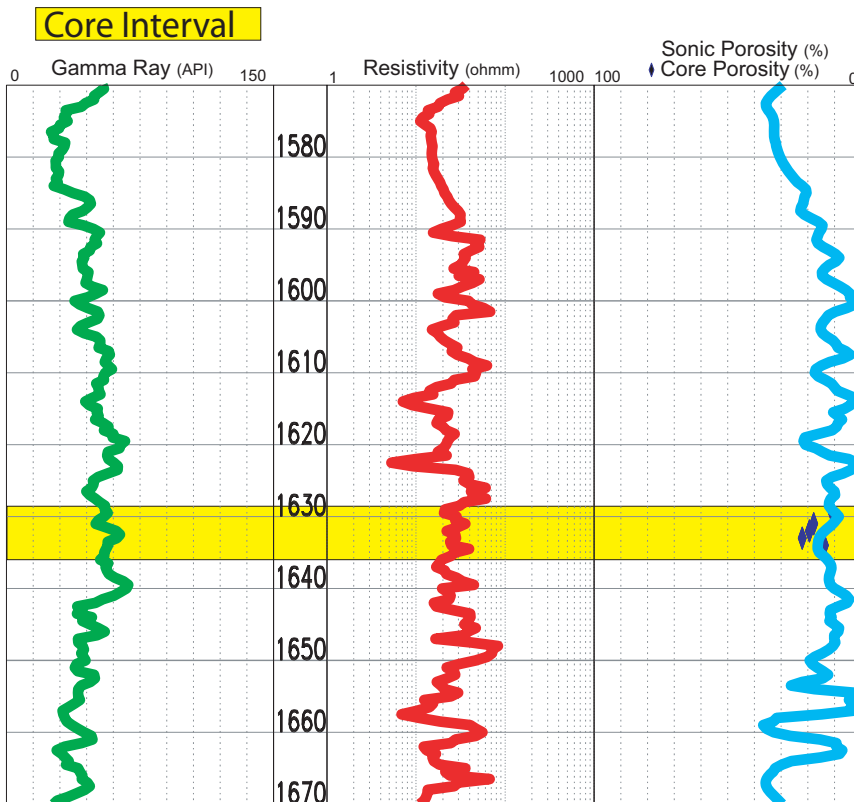


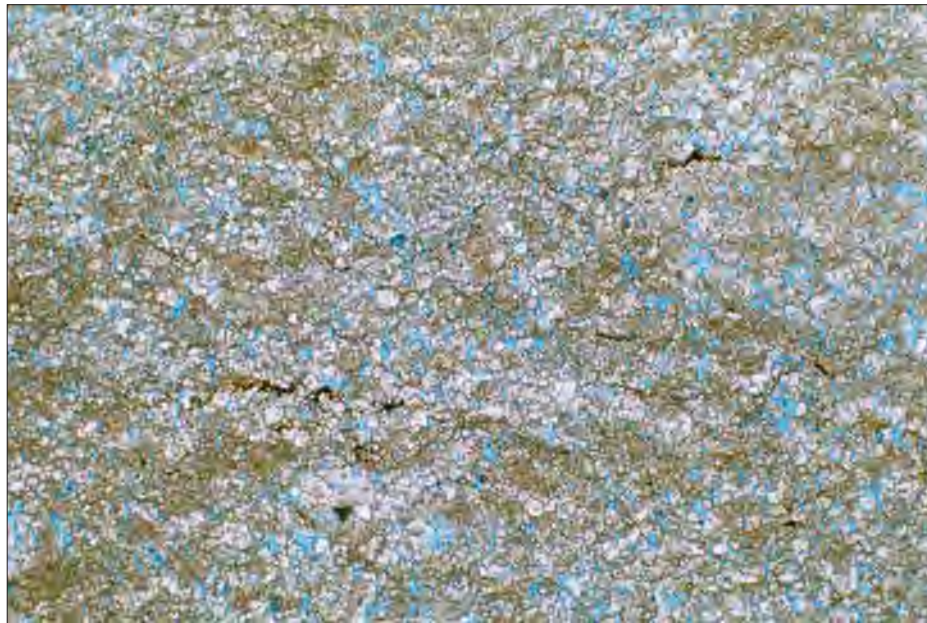


WELL: MF-37
DEPTH: 1630
MAGNIFICATION: 40X

Lithofacies: Peloid-Pellet-Wackestone
Depositional Environment: Intertidal
Porosity Amount: Good
Dominant Porosity Type: Moldic-Vuggy
Other Constituents:

➔ Thin Section Location

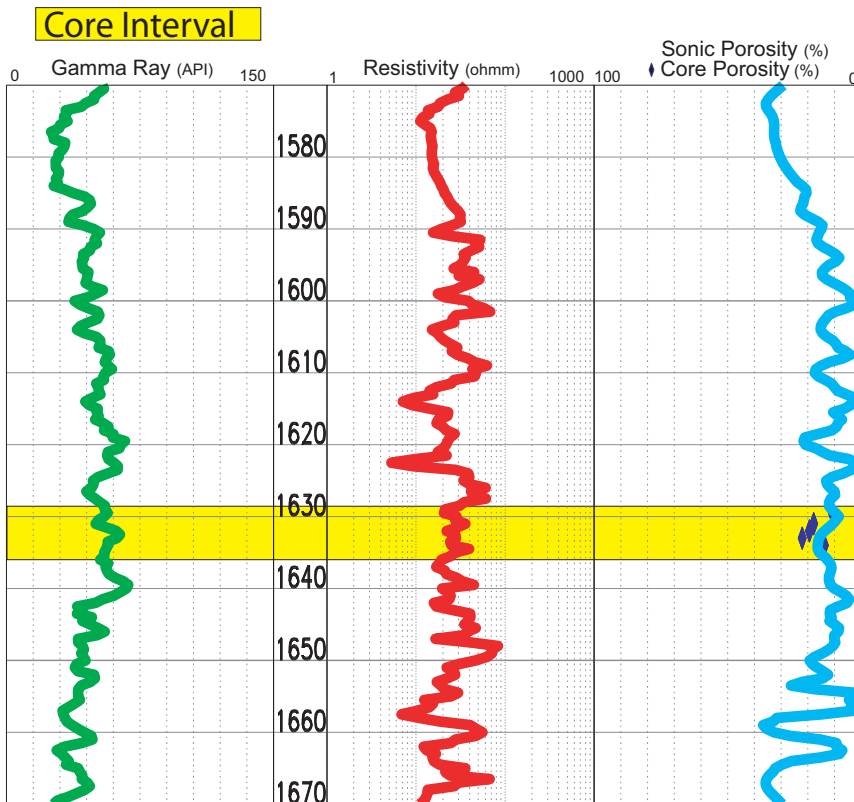




WELL: MF-37
DEPTH: 1631.1
MAGNIFICATION: 40X

Lithofacies: Slightly Laminated Pellet-Dolomudstone
Depositional Environment: Intertidal
Porosity Amount: Very Poor
Dominant Porosity Type: Interparticle
Other Constituents: Shaly, Stylolite

➔ Thin Section Location

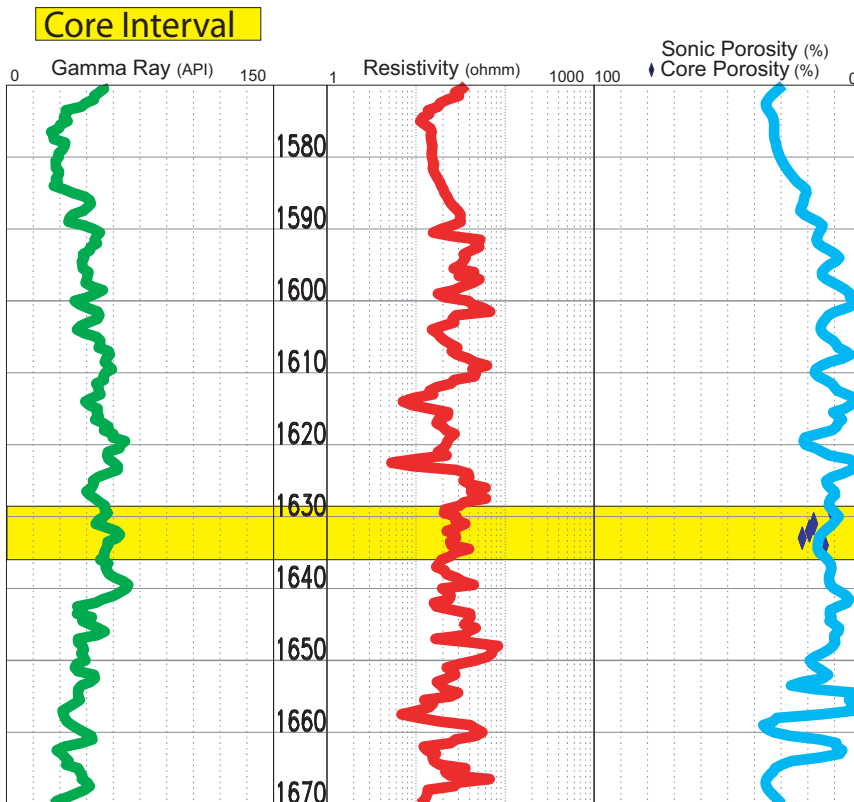




WELL: MF-37
DEPTH: 1631.8
MAGNIFICATION: 40X

Lithofacies: Laminated Algal-Dolomudstone
Depositional Environment: Supratidal
Porosity Amount: Good
Dominant Porosity Type: Moldic-Vuggy
Other Constituents:

➔ Thin Section Location

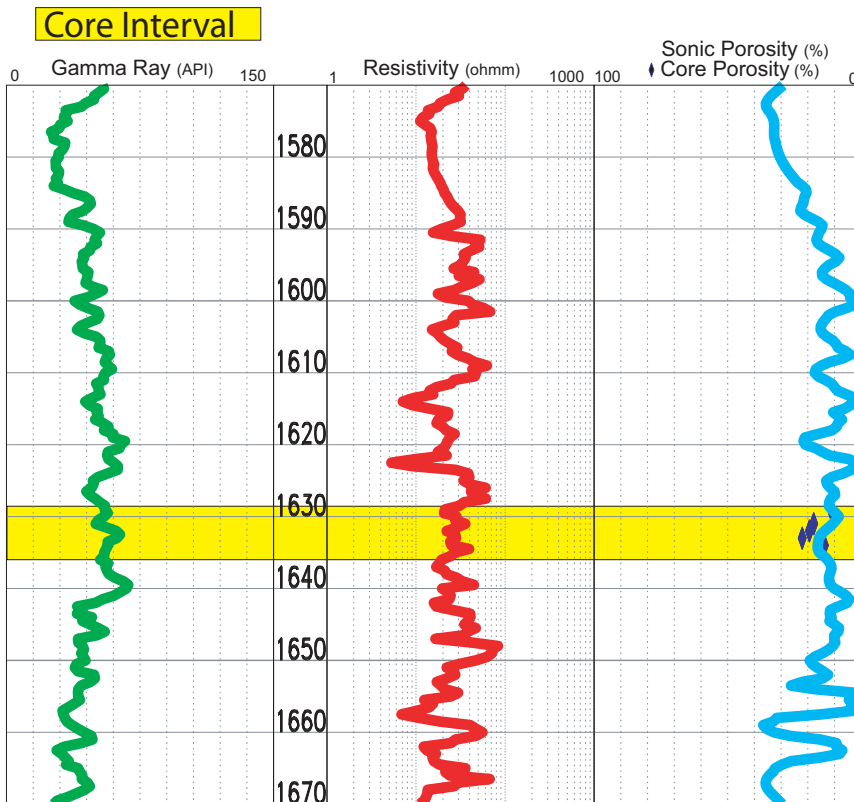


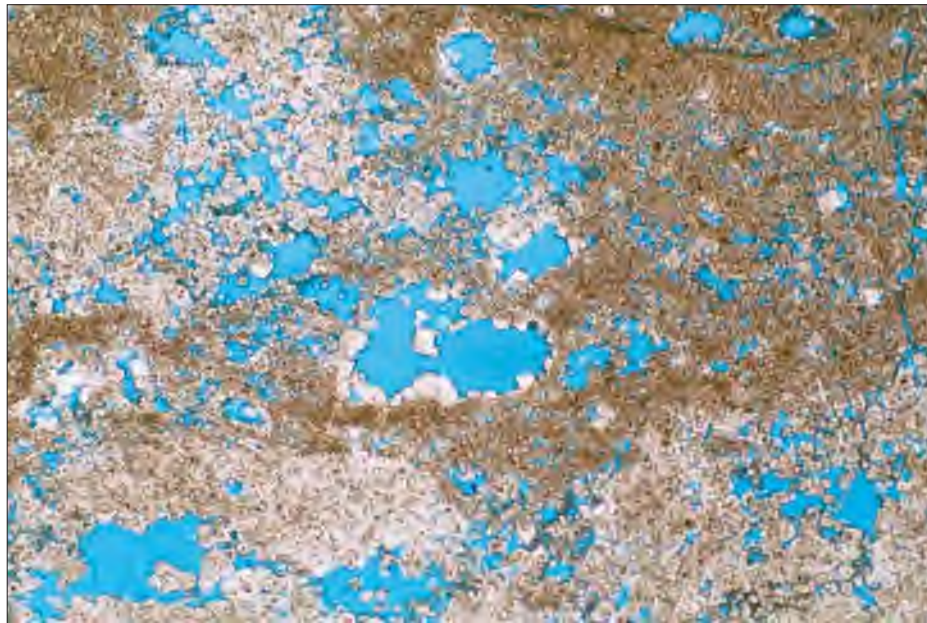


WELL: MF-37
DEPTH: 1633.2
MAGNIFICATION: 40X

Lithofacies: Laminated Intraclast-Dolomudstone
Depositional Environment: Supratidal
Porosity Amount: Very Poor
Dominant Porosity Type: Interparticle
Other Constituents:

➔ Thin Section Location





WELL: MF-37
DEPTH: 1634.1
MAGNIFICATION: 40X

Lithofacies: Very Laminated Intraclast-Dolomudstone

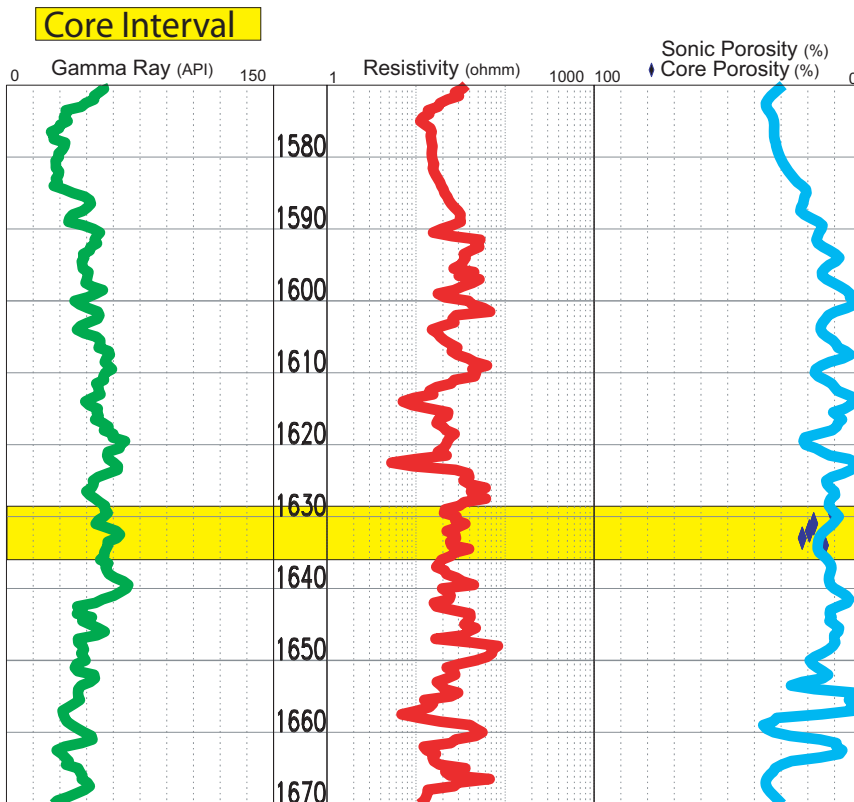
Depositional Environment: Intratidal

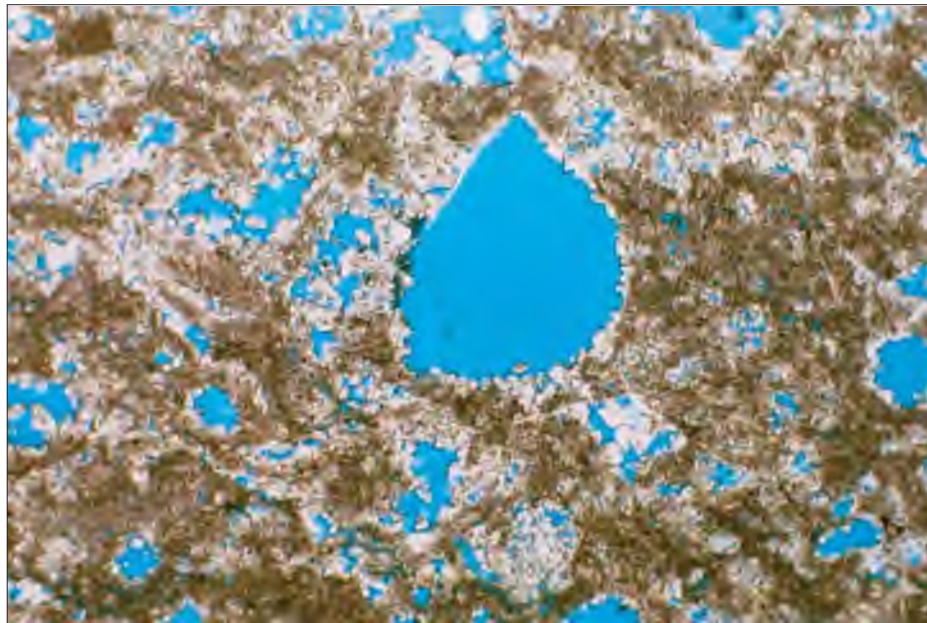
Porosity Amount: Poor

Dominant Porosity Type: Vuggy-Moldic

Other Constituents:

➔ Thin Section Location

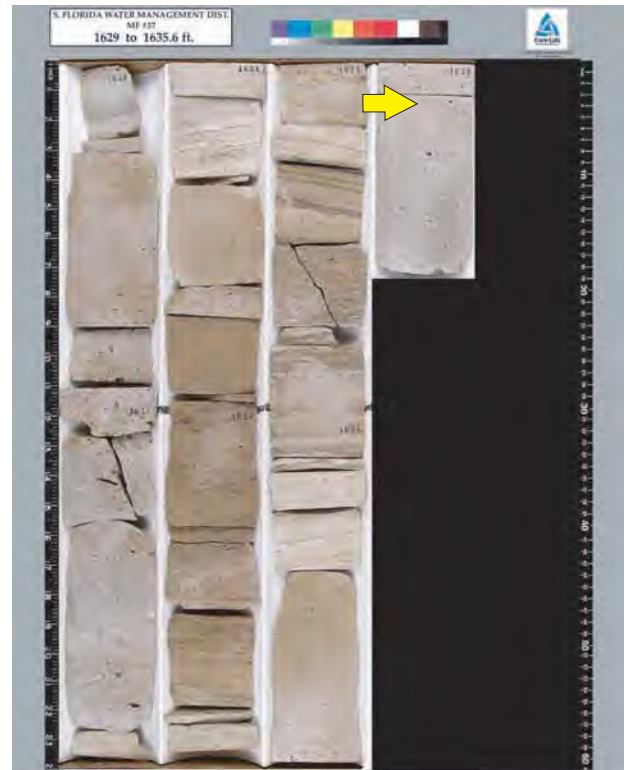
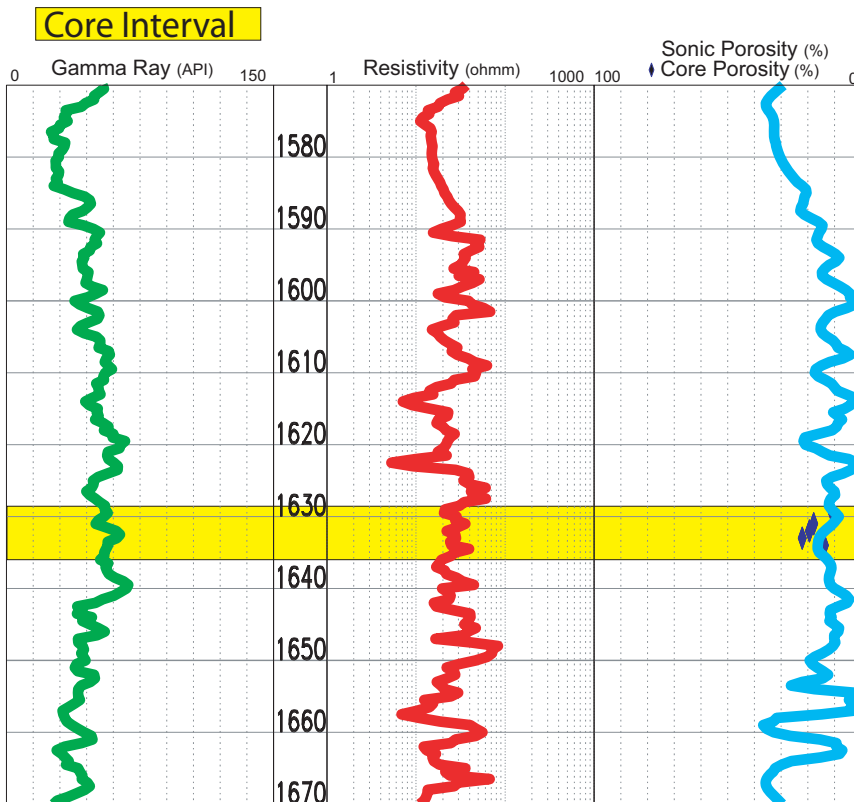


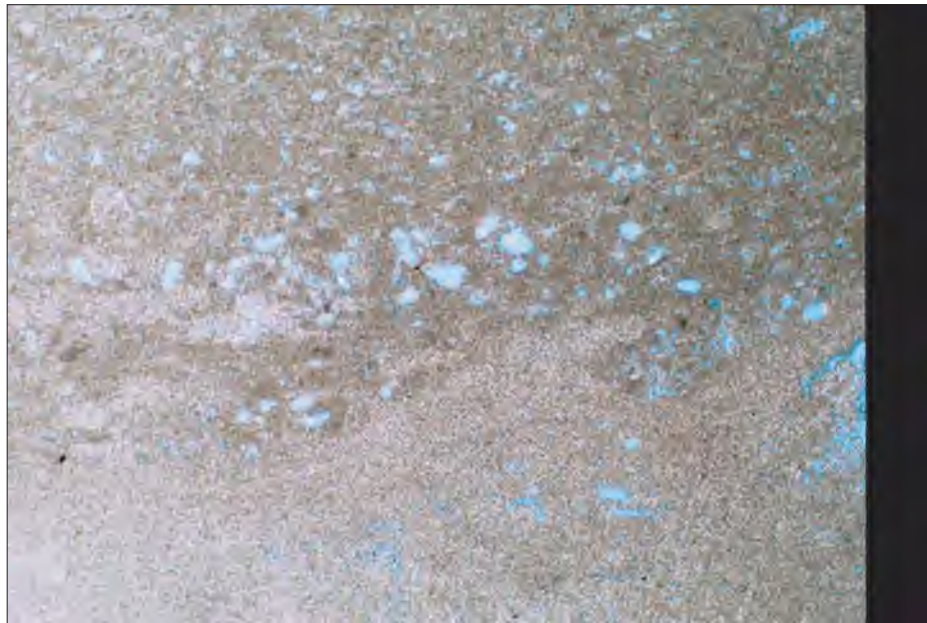


WELL: MF-37
DEPTH: 1635.1
MAGNIFICATION: 40X

Lithofacies: Slightly Laminated Dolomudstone
Depositional Environment: Supratidal
Porosity Amount: Fair
Dominant Porosity Type: Vuggy-Moldic
Other Constituents:

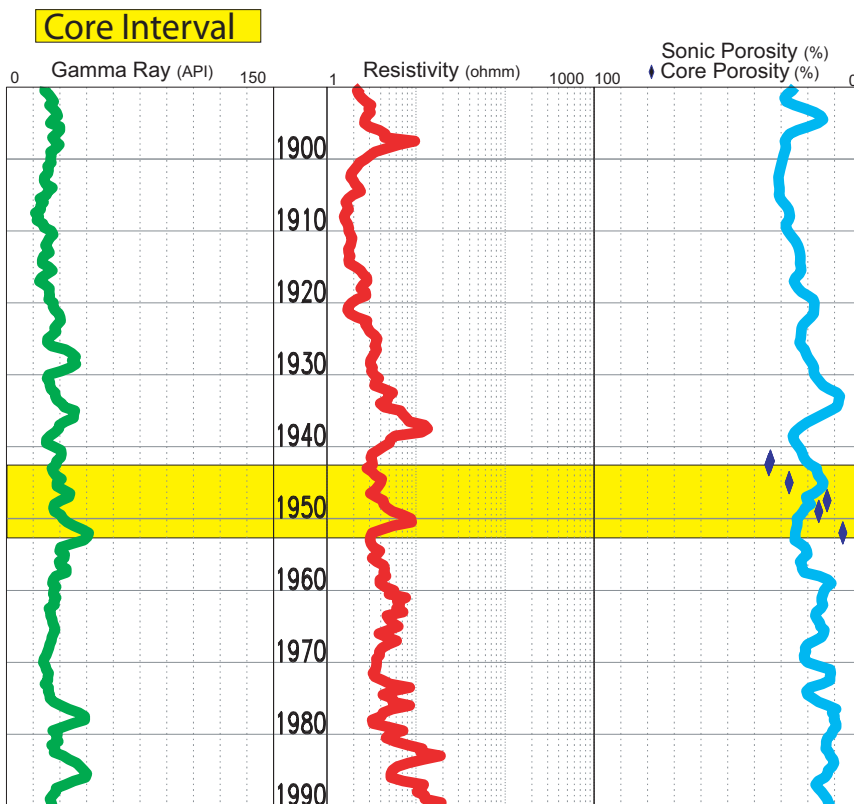
➔ Thin Section Location





WELL: MF-37
DEPTH: 1942.1
MAGNIFICATION: 40X

Lithofacies: Intraclast-Peloid-Dolopackstone
Depositional Environment: Restrictive Shallow Lagoon
Porosity Amount: Very Poor
Dominant Porosity Type: Moldic
Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 1942.8
MAGNIFICATION: 40X

Lithofacies: Pellet-Dolomudstone

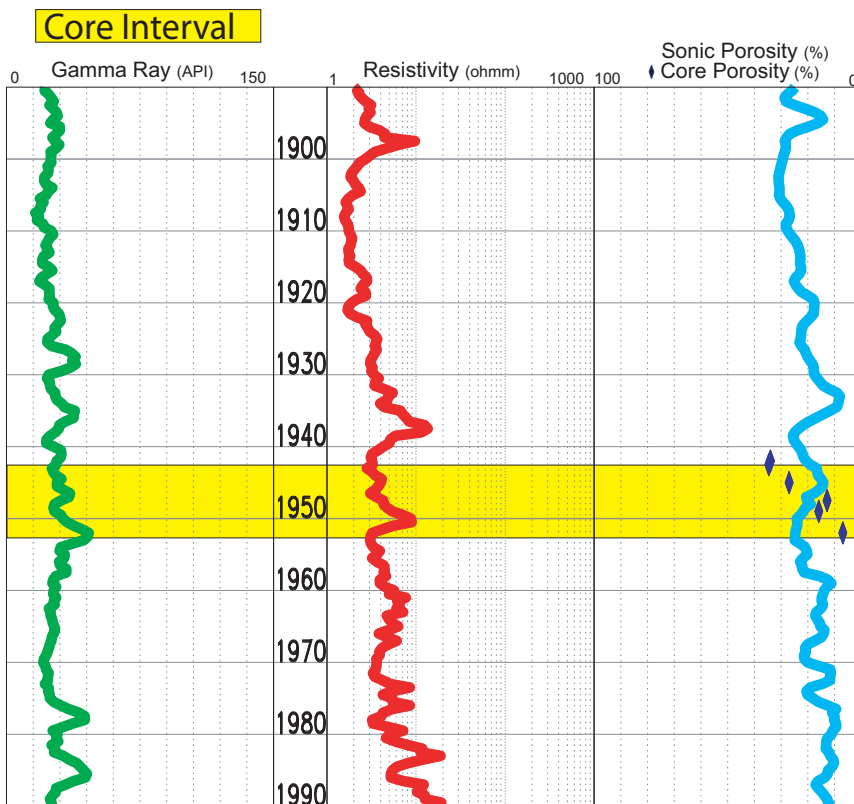
Depositional Environment: Intertidal

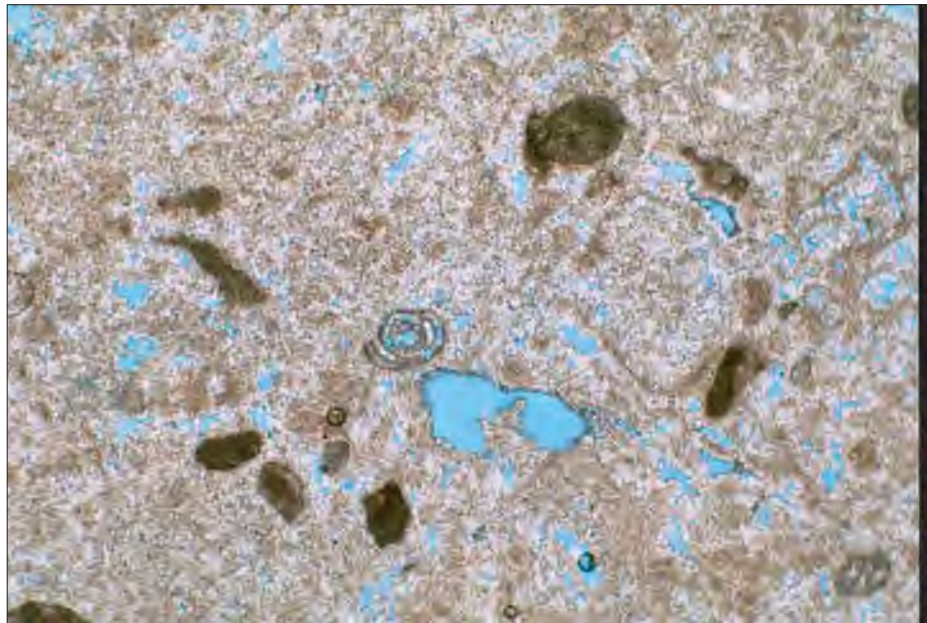
Porosity Amount: Good

Dominant Porosity Type: Vuggy-Moldic

Other Constituents:

➔ Thin Section Location

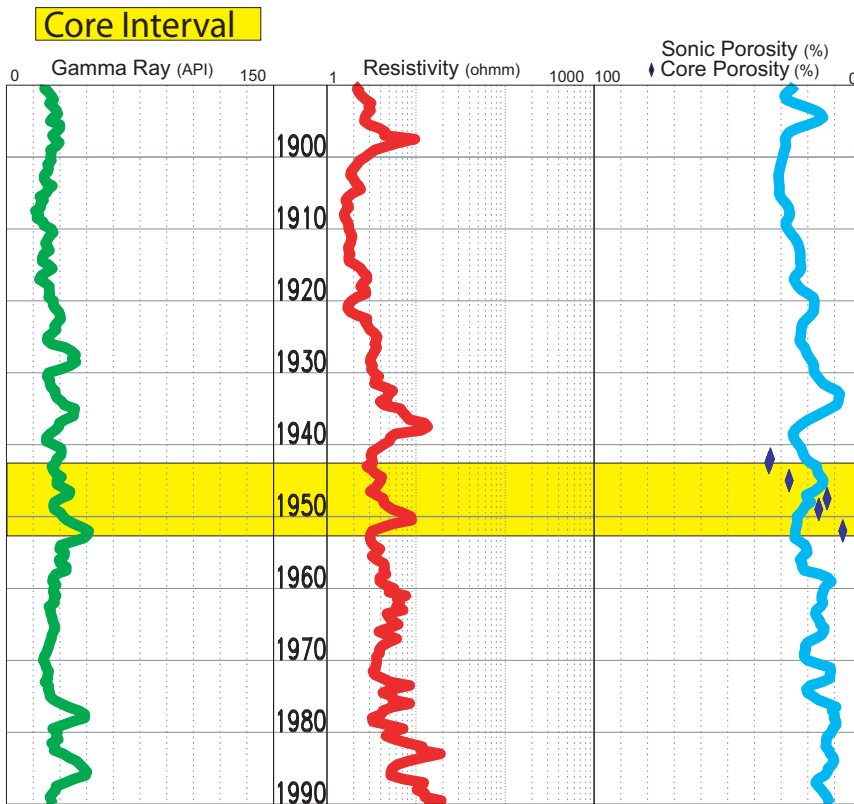


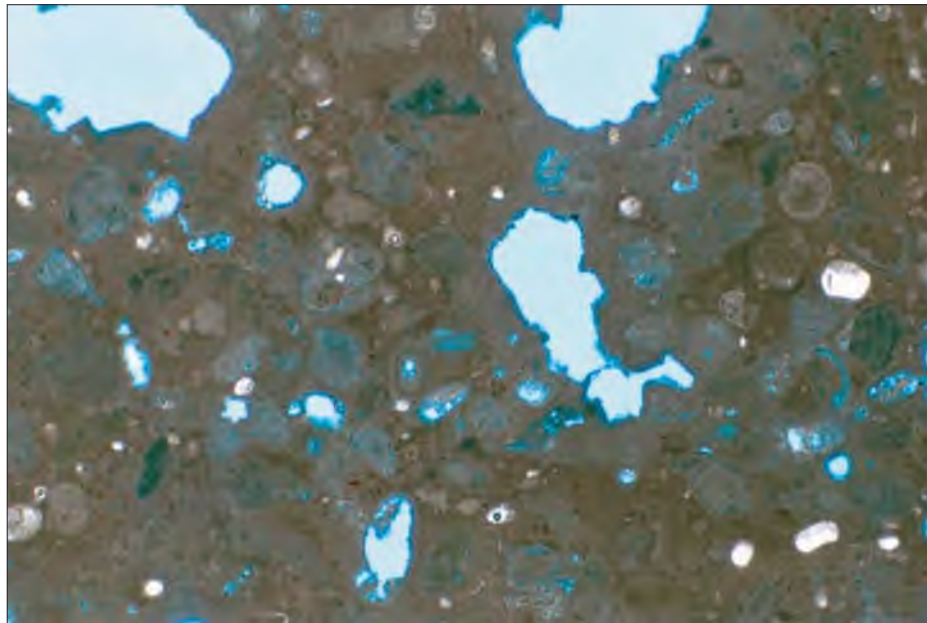


WELL: MF-37
DEPTH: 1944.1
MAGNIFICATION: 40X

Lithofacies: Intraclast-Peloid-Pellet-Dolopackstone
Depositional Environment: Intertidal
Porosity Amount: Fair
Dominant Porosity Type: Moldic-Vuggy
Other Constituents: Ghosts of Fossils

➔ Thin Section Location

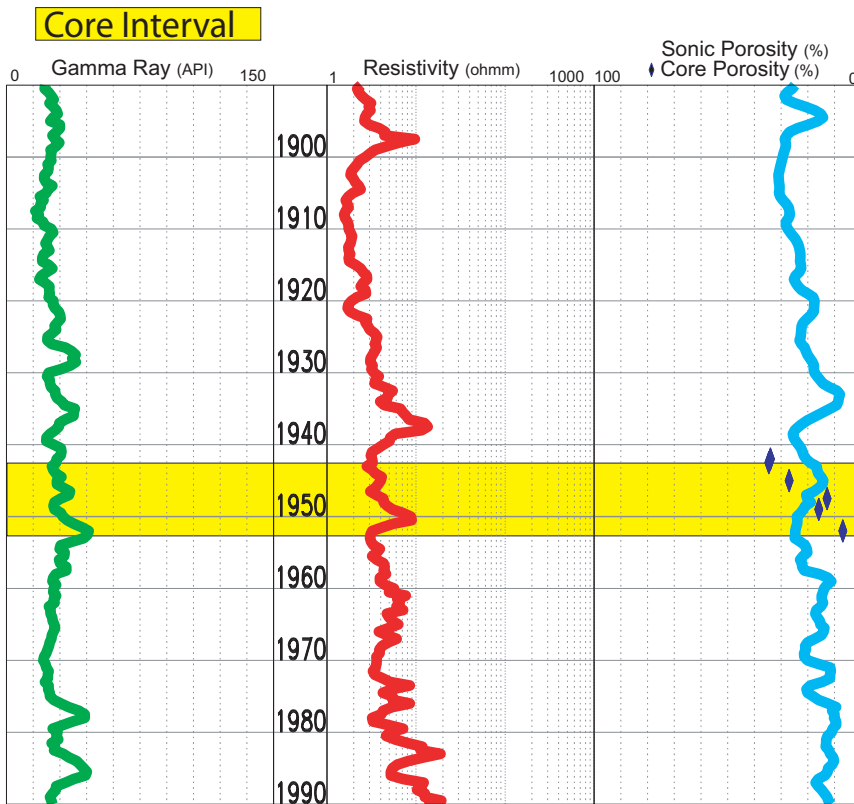


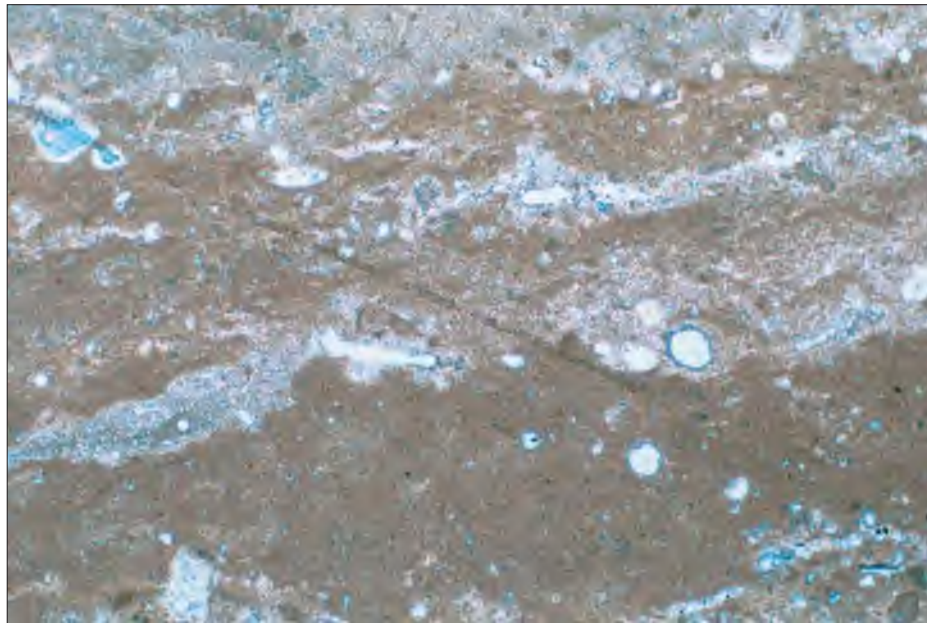


WELL: MF-37
DEPTH: 1944.4
MAGNIFICATION: 40X

Lithofacies: Peloid-Pellet-Dolopackstone
Depositional Environment: Restrictive Shallow Lagoon
Porosity Amount: Poor
Dominant Porosity Type: Moldic-Vuggy
Other Constituents: See Original Fabric

➔ Thin Section Location





WELL: MF-37
DEPTH: 1944.5
MAGNIFICATION: 40X

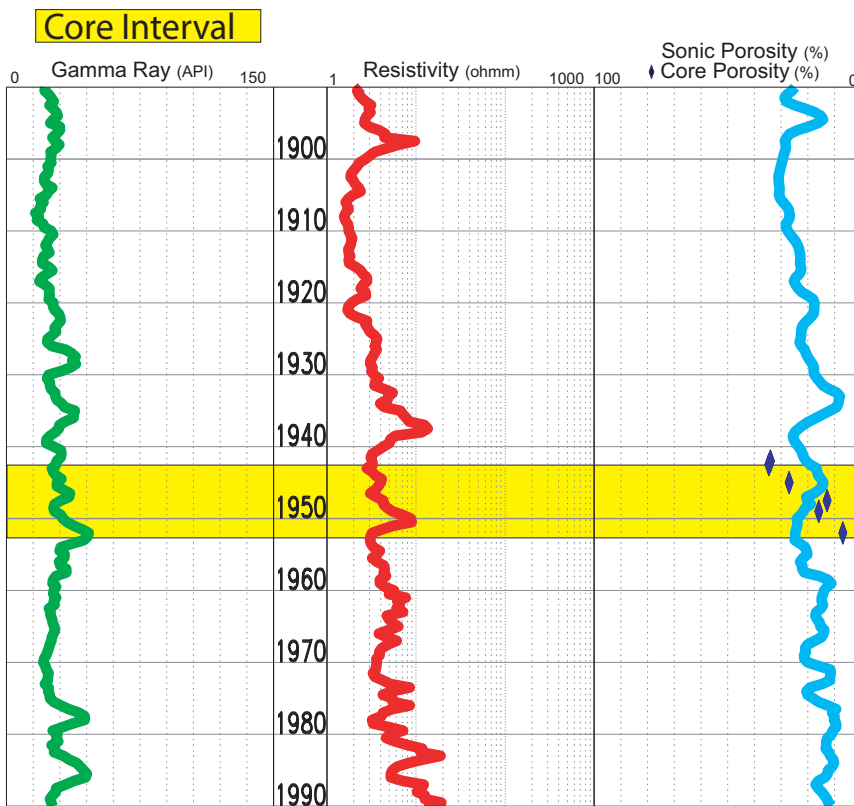
Lithofacies: Laminated Intraclast-Pellet-Dolowackestone

Depositional Environment: Intertidal

Porosity Amount: Very Poor

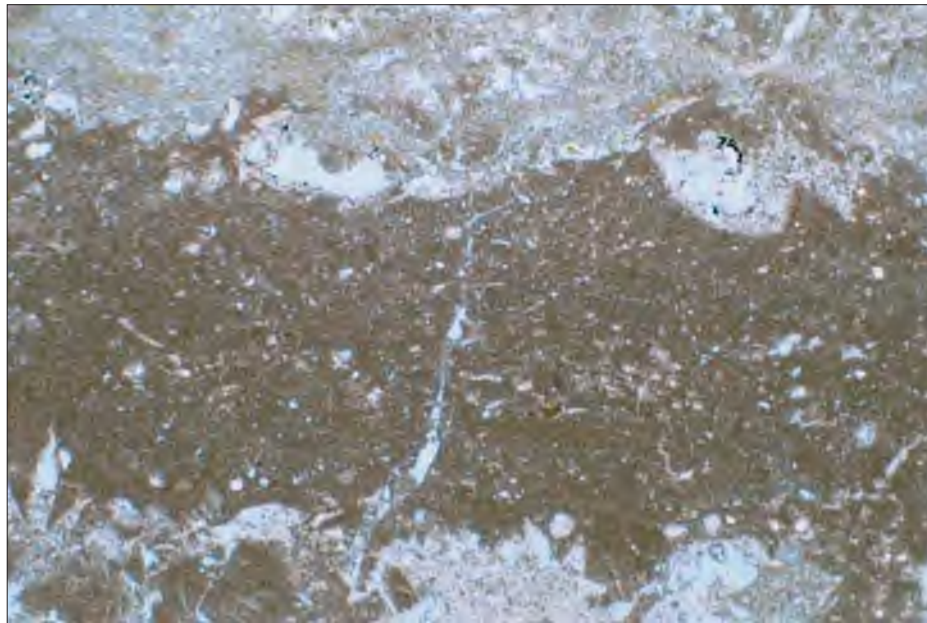
Dominant Porosity Type: Moldic-Vuggy

Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 1945.2
MAGNIFICATION: 40X

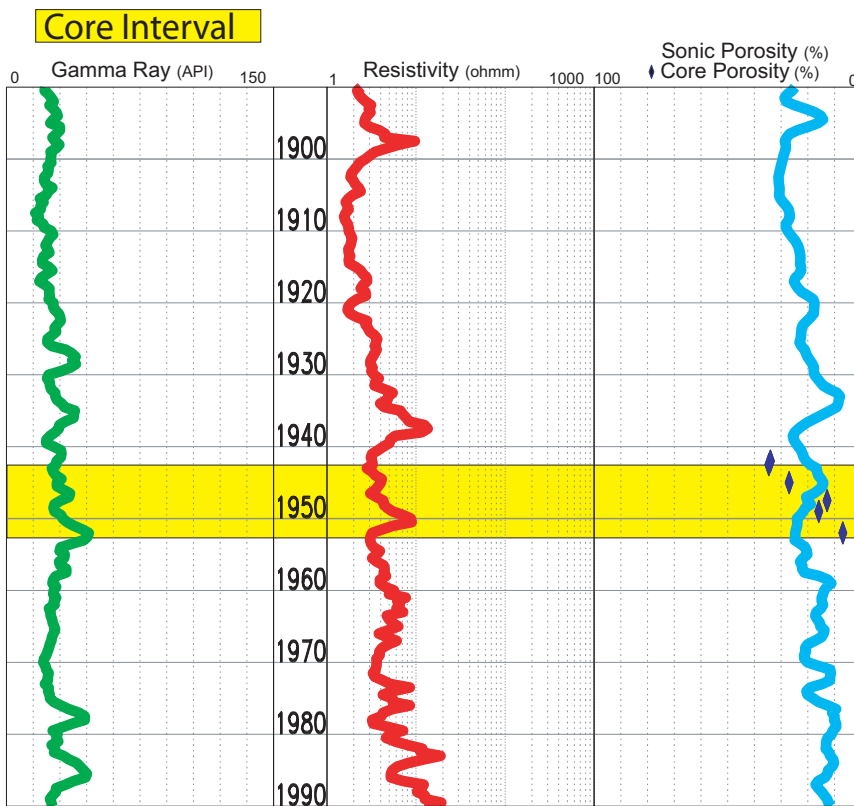
Lithofacies: Laminated Pellet-Intraclast-Dolowackestone

Depositional Environment: Intertidal

Porosity Amount: Fair

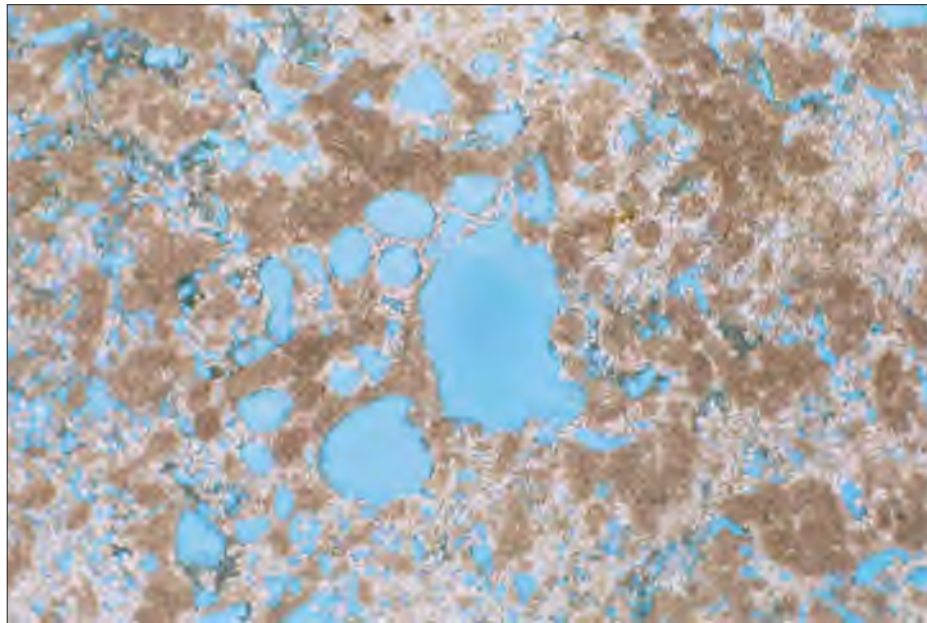
Dominant Porosity Type: Vuggy-Moldic-Interparticle

Other Constituents:



➔ Thin Section Location





WELL: MF-37
DEPTH: 1945.9
MAGNIFICATION: 40X

Lithofacies: Peloid-Pellet-Dolopackstone

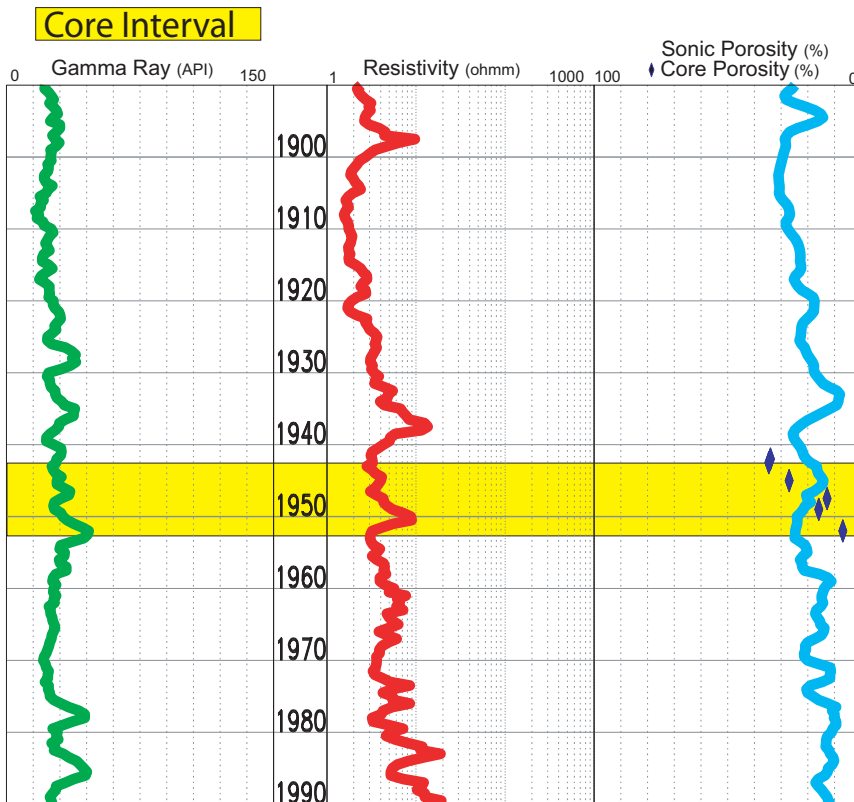
Depositional Environment: Restrictive Shallow Lagoon

Porosity Amount: Good

Dominant Porosity Type: Vuggy-Moldic

Other Constituents:

➔ Thin Section Location

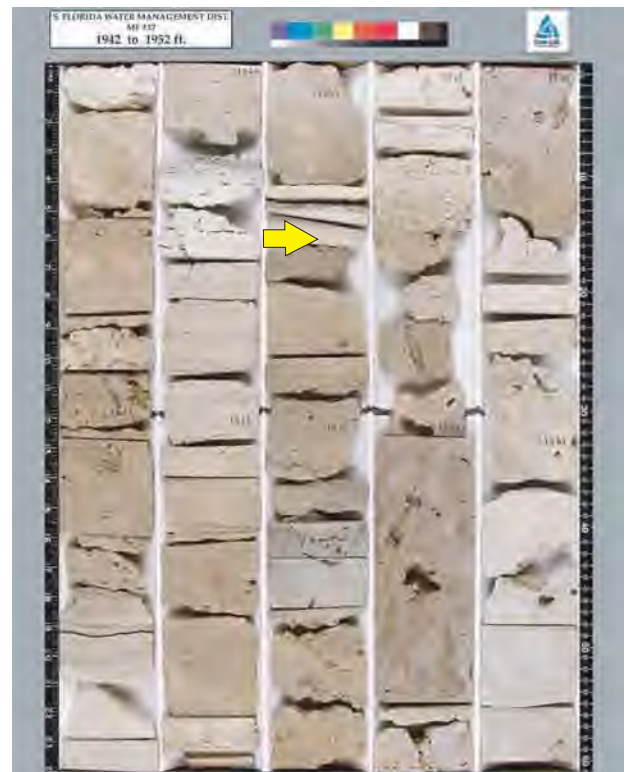
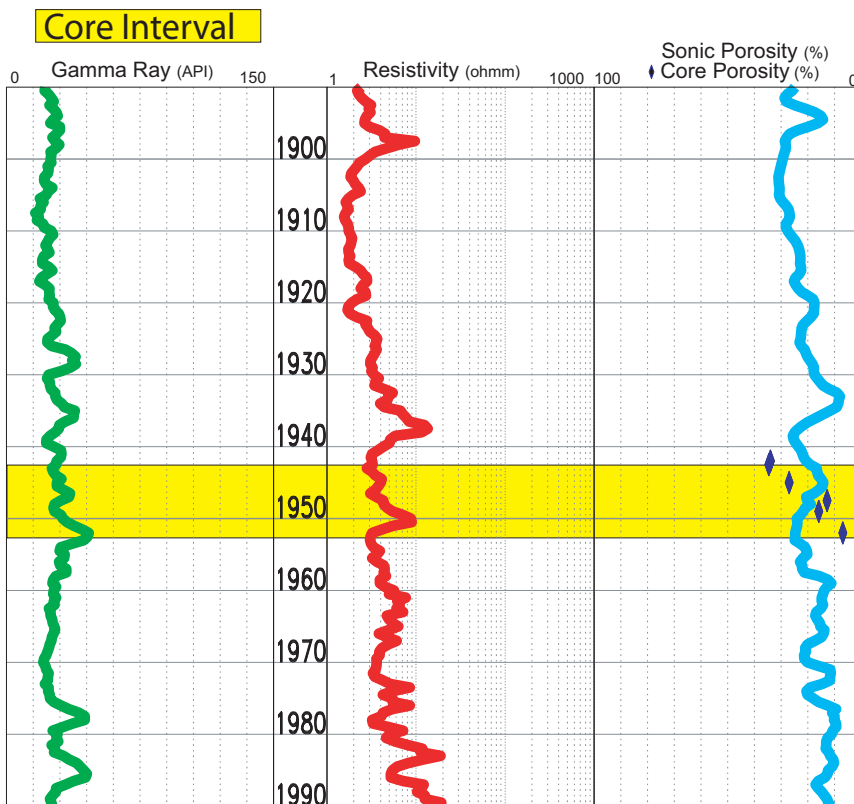


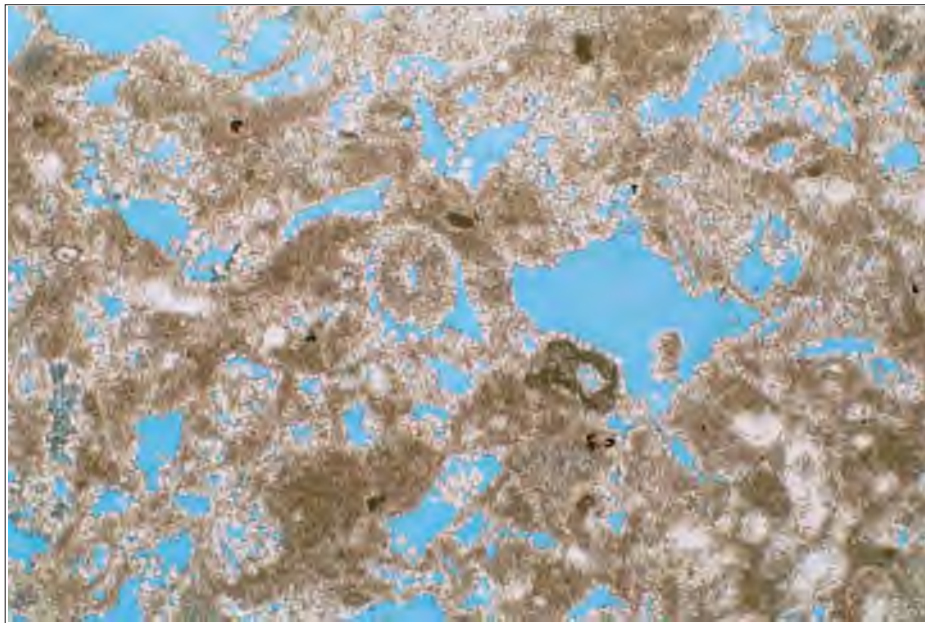


WELL: MF-37
DEPTH: 1946.5
MAGNIFICATION: 40X

Lithofacies: Very Laminated Dolomudstone
Depositional Environment: Intertidal
Porosity Amount: Very Poor
Dominant Porosity Type: Interparticle
Other Constituents:

➔ Thin Section Location





WELL: MF-37
DEPTH: 1946.9
MAGNIFICATION: 40X

Lithofacies: Intraclast Pellet-Dolowackestone-Packstone

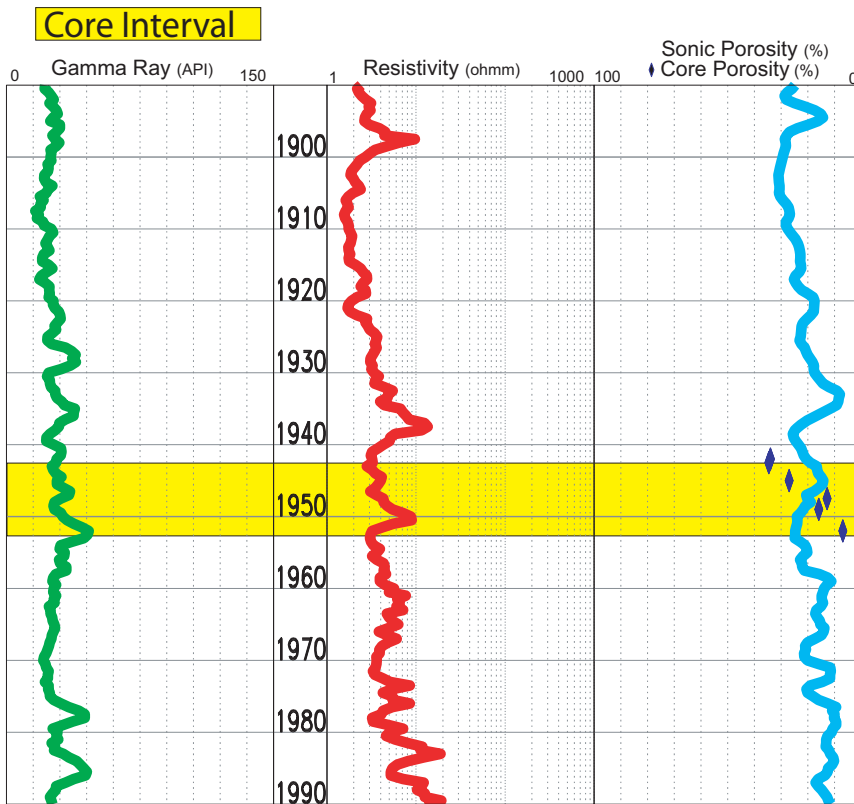
Depositional Environment: Restrictive Shallow Lagoon

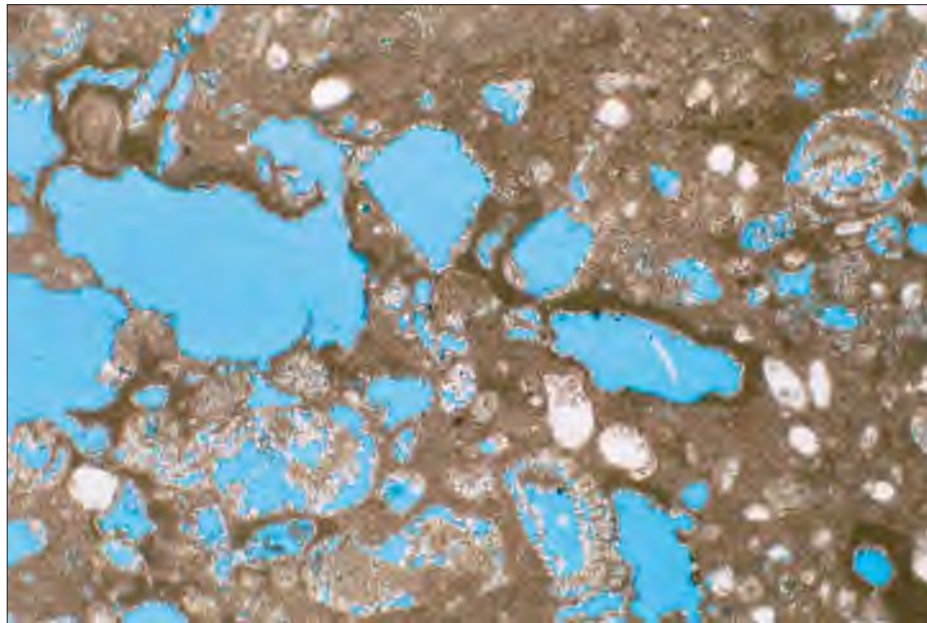
Porosity Amount: Good

Dominant Porosity Type: Vuggy-Moldic

Other Constituents: Ghosts Fabric

➔ Thin Section Location

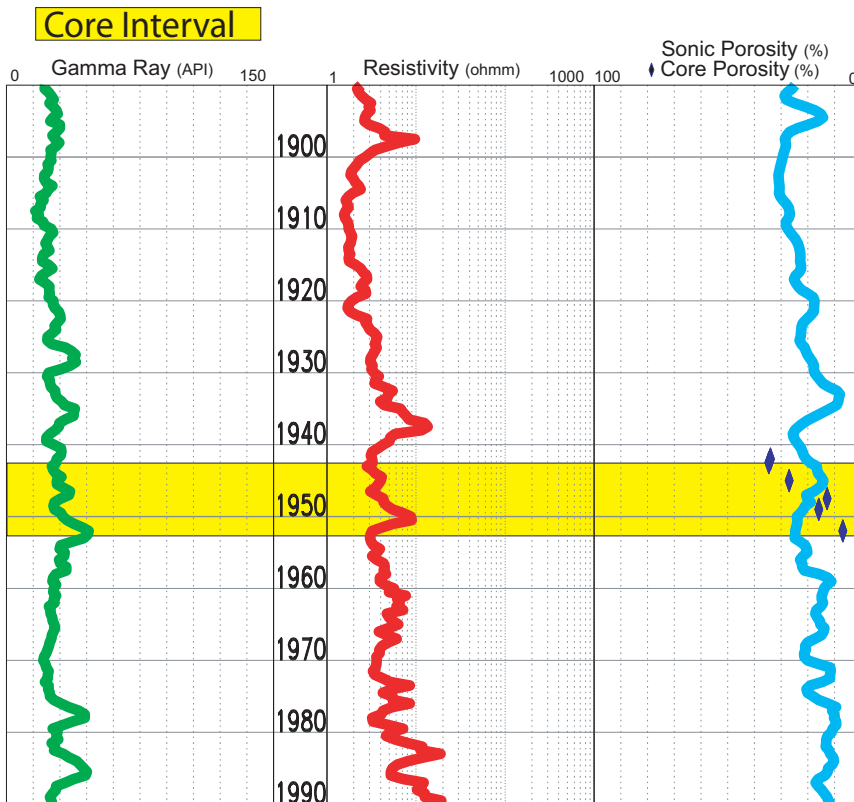


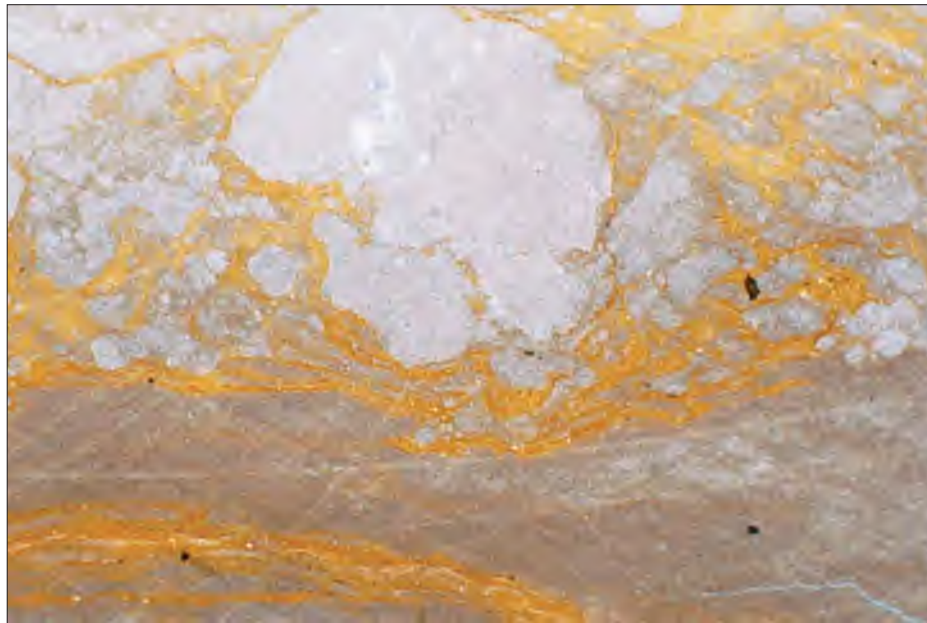


WELL: MF-37
DEPTH: 1947.4
MAGNIFICATION: 40X

Lithofacies: Slightly Sandy Intraclast-Peloid-Dolowackestone
Depositional Environment: Restrictive Shallow Lagoon
Porosity Amount: Good
Dominant Porosity Type: Moldic-Vuggy
Other Constituents: Foram Ghosts

➔ Thin Section Location

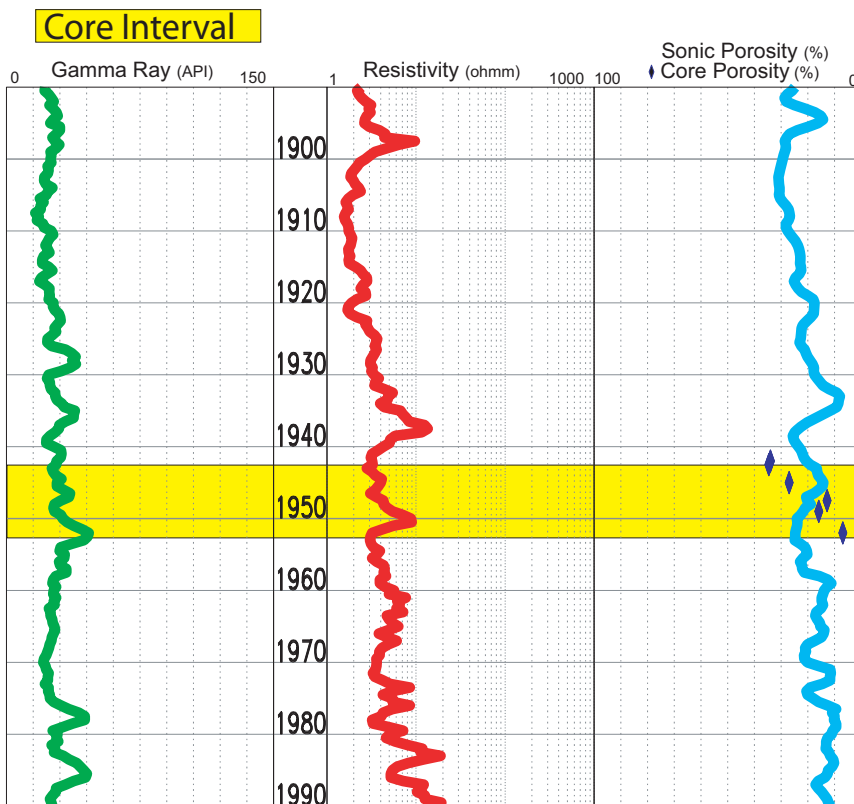


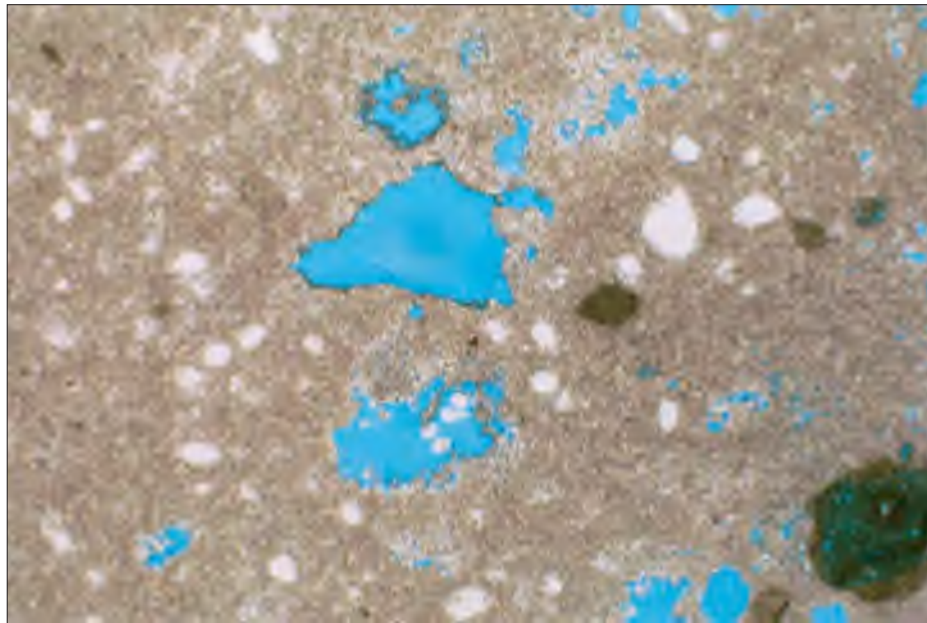


WELL: MF-37
DEPTH: 1948.3
MAGNIFICATION: 40X

Lithofacies: Interlaminated Intraclast-Dolowackestone and Very Laminated Dolomudstone
Depositional Environment: Intertidal
Porosity Amount: Good
Dominant Porosity Type: Vuggy-Moldic
Other Constituents: 95% Dolomite

➔ Thin Section Location

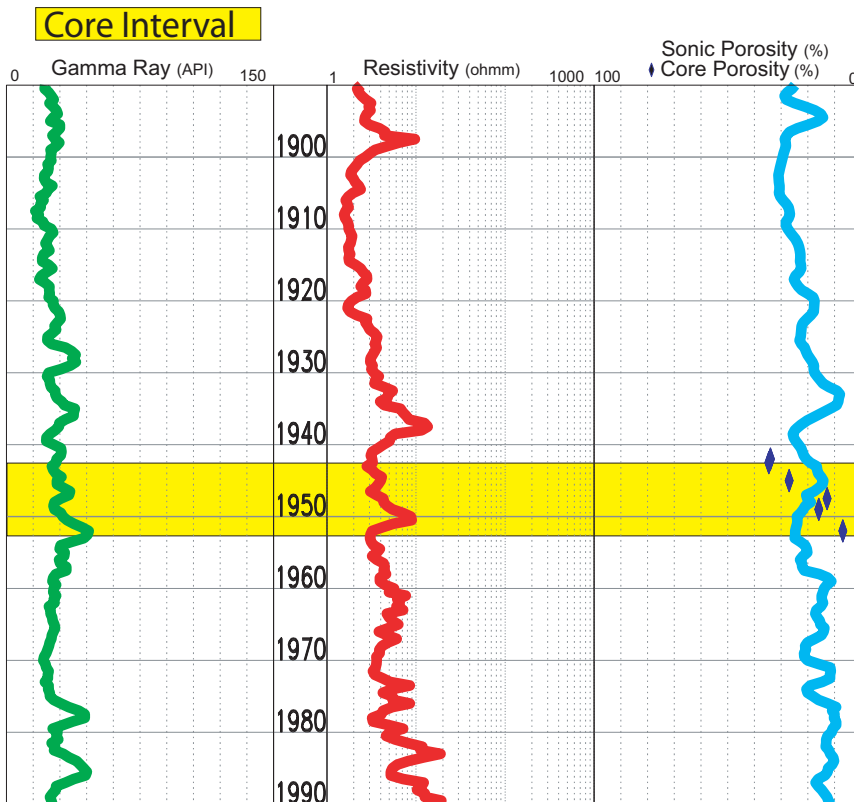


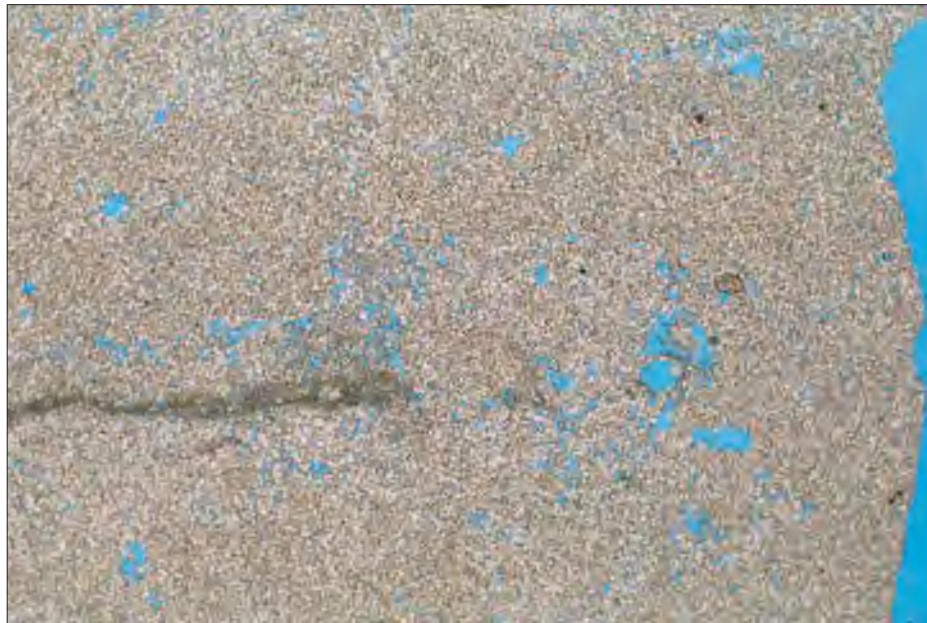


WELL: MF-37
DEPTH: 1949.9
MAGNIFICATION: 40X

Lithofacies: Pelloid-Pellet-Dolowackestone
Depositional Environment: Intertidal
Porosity Amount: Fair
Dominant Porosity Type: Vuggy-Moldic
Other Constituents: Low Permeability

➔ Thin Section Location

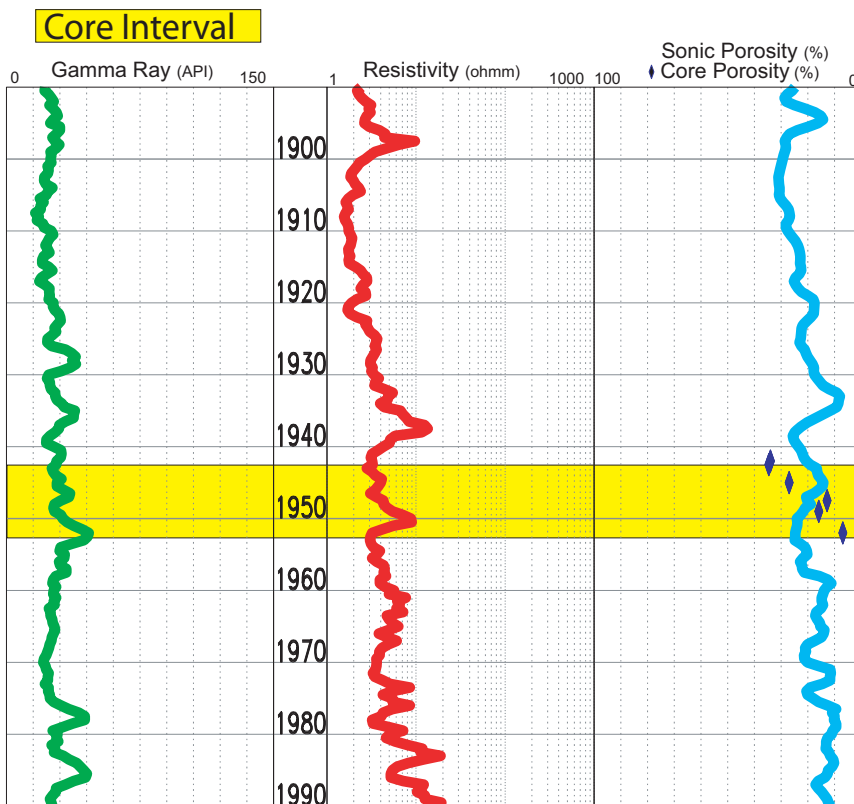


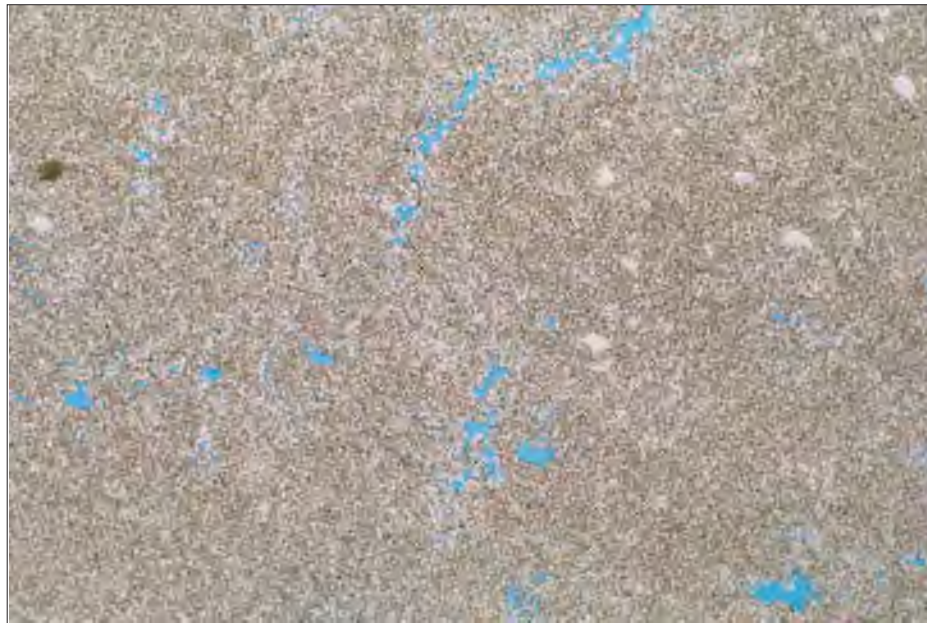


WELL: MF-37
DEPTH: 1950.6
MAGNIFICATION: 40X

Lithofacies: Dolomudstone
Depositional Environment: Intertidal
Porosity Amount: Very Poor
Dominant Porosity Type: Interparticle
Other Constituents:

➔ Thin Section Location

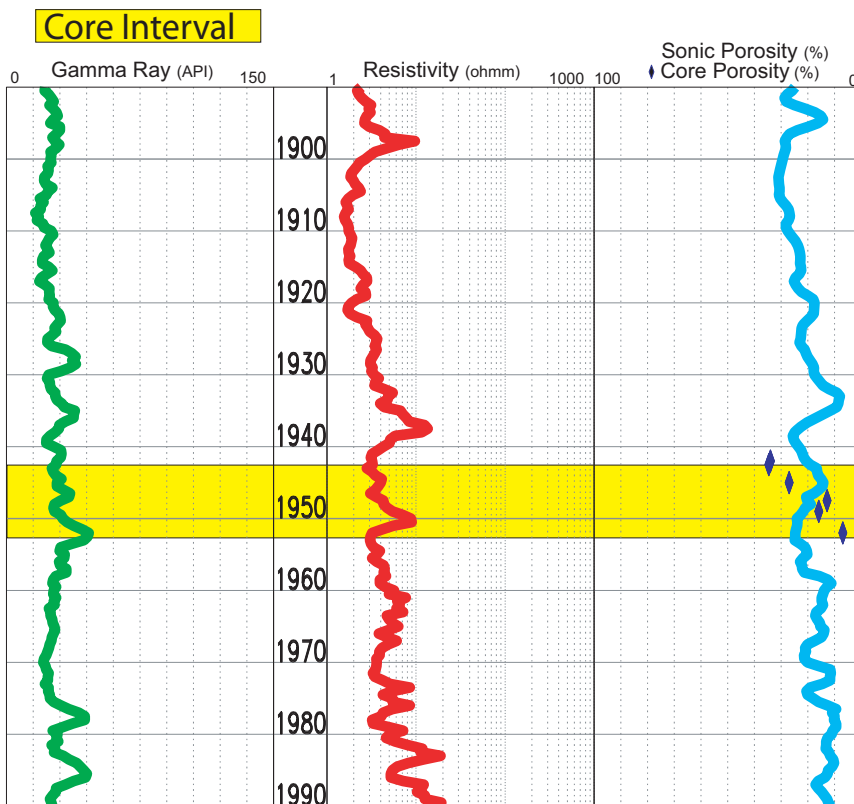


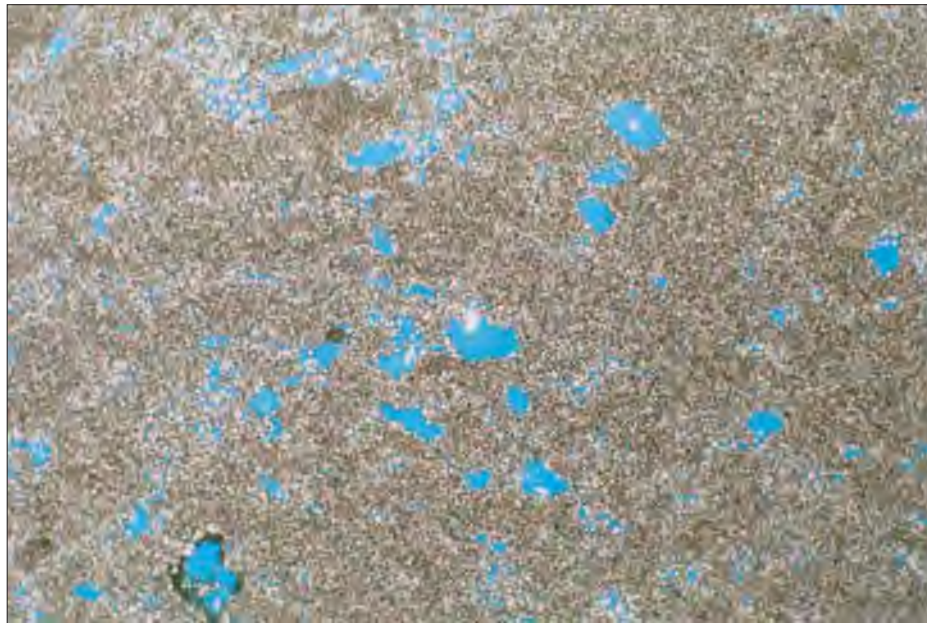


WELL: MF-37
DEPTH: 1951.4
MAGNIFICATION: 40X

Lithofacies: Dolomudstone
Depositional Environment: Intertidal
Porosity Amount: Very Poor
Dominant Porosity Type: Interparticle
Other Constituents:

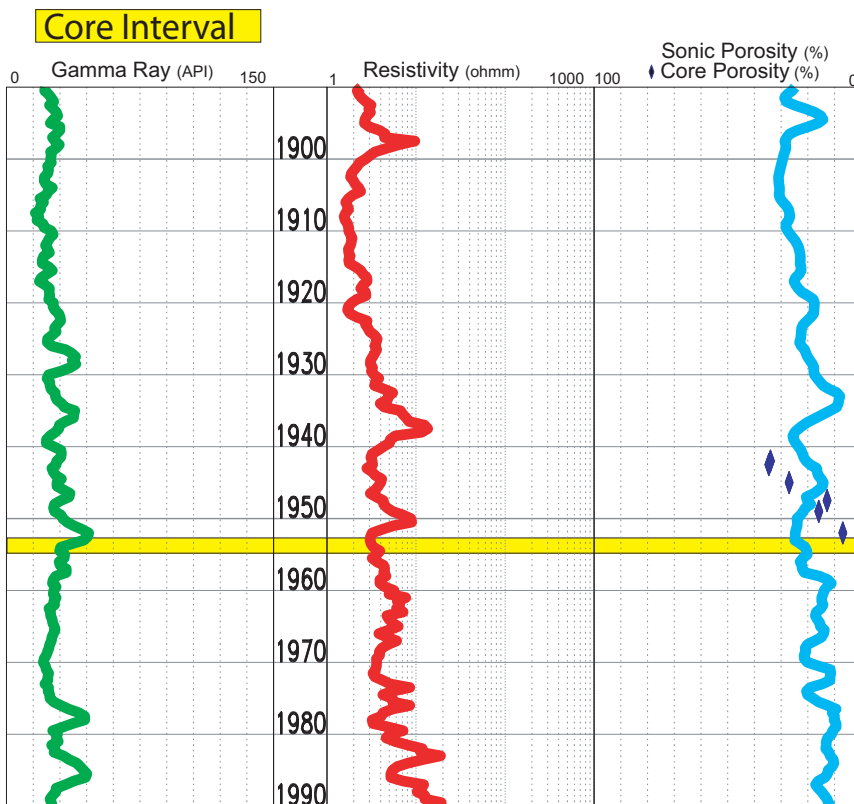
➔ Thin Section Location





WELL: MF-37
DEPTH: 1952.5
MAGNIFICATION: 40X

Lithofacies: Slightly Intraclastic-Peloid-Dolowackestone
Depositional Environment: Intertidal
Porosity Amount: Poor
Dominant Porosity Type: Vuggy-Moldic
Other Constituents:



➔ Thin Section Location

