

CORE DESCRIPTION - C. H. SWEET-MCKINLEY B#2

CORE #1 - 4135-4156'

4135-4140½

Light gray to variably light brown dense fine-grained xyn dolomite w/small streaks of sandy dolomite. Net pay - 0.

4140½-4143½

Bluish-gray to gray dense dolomite. Very finely xyn to massive. No sand present. Net pay - 0.

4143½-4145

Bluish-gray to gray. Very finely xyn dolomite. Slightly fractured-net pay-1/2' poor. Slightly bleeding o&g.

4145-4149

Gray finely-syn dense dolomite. Net pay-0'. 4-5" of this portion slightly bleeding - scattered.

4149-4151½

Gray finely-xyn dense dolomite. Net pay - 0' at 4150-3" of non-connected solution-type poor porosity. Bottom 1' tends to be fractured around widely scattered thin black shale partings.

4151½-4156

Gray finely-xyn dense dolomite. Net pay - 0'. 3" of resinous green shale at 4151½. 3" vuggy poorly developed porosity at 4152½.

NET PAY - 1/2' POOR

RECOVD. - 100%

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CORE #2 - 4156-4213'

4156-4168

Gray to blue-gray dense finely-syn dolomite. Net pay-0'.

4168-4170

Gray dense finely-syn to sugary dolomite w/poor pin-point porosity and very poor inter-syn porosity. Slight bleeding of gas and oil. Net pay - 1' poor.

4170-4172

Gray dense finely-syn dolomite. Net pay - 0'.

4172-4175

Gray dense finely-syn dolomite. Top 1' slightly bleeding oil and gas. Bottom foot sandy. Net pay - 1' poor. Slight solution-type porosity not connected.

4175-4178

Fine grained dense well oil-saturated sand. Net pay - 0'. No porosity.

4178-4182

Light tan to blue-gray dolomite. Dense w/scattered bleeding. Net pay - 1' poor.

4182-4186

Gray dense dolomite w/slight fracturing and widely scattered vugular porosity - not connected. Very slight bleeding of oil and gas - widely scattered. Net pay - 0'.

4186-4196

Gray to blue-gray dense dolomite w/widely scattered vugular porosity not connected. Very slight bleeding of oil and gas at vugs. Extensive calcite replacement in vugs. Net pay - 0'.

4196-4199

Very sandy gray dense dolomite - well oil saturated. Slight bleeding of oil and gas. Net pay - 0'.



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CORE #2 - 4156-4213'-Page 2

4199-4209

Blue to gray dense dolomite w/very small amount of scattered fractures. Small streaks (2"-4") of widely scattered vugular porosity. Some calicte and sand replacements in porosity. Widely scattered slight bleeding of oil and gas. Net pay 1' poor. Numerous thin black shale partings.

4209-4213

Dense tight brown sand w/few sandy dolomite streaks. Well-oil satuerated. Net pay - 0'.

DRILLED 4213-4216 w/rock bit.

RECOVERED 100%

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CORE #3 - 4216-4238

4216-4219

Dense finely-grained sand w/dolomite stringers and few globules. Trace of pin-point porosity in sand grains - net pay - 0'. Well-oil saturated.

4219-4220

Very finely xyn dense blue dolomite w/scattered small vugular porosity. Slight bleeding of oil and gas. Net pay - 1' poor.

4220-4221

Dense fine-grained sand well oil saturated w/scattered bleeding of oil and gas. Net pay - 0'.

4221-4224½

Finely xyn bluish-gray dolomite - generally dense, but with 4221-4222 bleeding oil and gas, and balance widely scattered bleeding oil and gas. Above foot has large interconnected very good vugular type porosity. Very thin black shale partings scattered through dense portion. Net pay - 1' good.

4224½-4226

Finely xyn bluish-gray dolomite w/very good solution-type cavernous porosity of small magnitude. Pyrite and calcite replacement abundant in this porosity. Net pay - 1½' good.

4226-4030½

Very dense slightly fractured massive tan dolomite. Widely-scattered bleeding in spider web fractures. Net pay - 0'.

4230½-4235½

Fractured and very vugular type porosity in bluish-gray dolomite. Abundance of solution type porosity also - about 1/3 of which has pyrite, calcite, or black shale replacements. Good bleeding of oil and gas throughout. Net pay - 5½' good.

4235½-4237

Very dense slightly fractured gray dolomite. Net pay - 0'.

4237-4238

Light gray slightly fractured and extremely vuggy dolomite w/good bleeding of oil and gas throughout. Few pyrite and calcite inclusions. Net pay - 1' fair.

RECOVERED 100%

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

2. The second part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

3. The third part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

4. The fourth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

5. The fifth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

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7. The seventh part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

8. The eighth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

9. The ninth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

10. The tenth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

DST 4218-4238

CORE DESCRIPTION - C. H. SWEET-McKINLEY B#2

CORE #4 - 4243-4257  
Drilled 4238-4243

4243-4246

Light gray dense finely-xyn dolomite w/few scattered traces of solution type porosity. Small amount of bleeding oil and gas. Net pay - 1' poor.

4246-4256

Light tan fairly well saturated finely xyn dolomite w/fair scattered pin-point and solution type porosity. Several widely scattered zones had large dolomite crystal replacements. Net pay - 0'.

4256-4257

Gray dense dolomite very highly fractured w/large dolomite xyn in fracture plane. Appears to be a detritus. Traces of staining in fracture planes. Net pay - 1' good.

RECOVERED 100%



DST 4251-4278

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CORE #5 - 4257-4278

4257-4261½

Light gray very dense massive dolomite which has been fractured extensively, but now with the fracture planes cemented tightly. Some cavernous porosity. Top 1' at 4257-4258 is very large clear dolomite crystals with extremely good interxyn porosity. Net pay 4½' good.

4261½-4266

Tan dense finely xyn highly stained dolomite w/no porosity. Net pay - 0'.

4266-4268½

Gray massive dolomite badly jointed and fractured, but recemented. No porosity. Net pay - 0'.

4268½-4278

Tan very finely xyn dolomite w/widely scattered vugular to cavernous porosity. All well stained. Practically no continuous porosity. Net pay - 3' fair.

DEPTH CORRECTION 4278 equals 4275  
Set 5½" casing at 4275 w/200 sx.

RECOVERED 100%

CORE DESCRIPTION - C. H. SWEET-MCKINLEY B#2

CORE #6 - 4278-4293

4278-4286

Light gray finely xyn dolomite w/large amounts vugular and solution type porosity. Very hard and brittle staining. Some black sulphur xyls at 4285-4286. Net pay - 0'.

4286-4287

Very finely xyn bluish-gray dolomite w/no porosity. Net pay - 0'.

4287-4292

Very finely xyn bluish-gray dolomite w/scattered solution type porosity, seems to be not connected. No staining. Net pay - 0'.

4292-4293

Very finely xyn to granular dolomite - completely barren and dense. Net pay - 0'.

RECOVERED 100%

CORE DESCRIPTION - C. H. SWEET-MCKINLEY B#2

CORE # 7 - 4293-4325

4293-4295

Very finely xyn to massive gray dolomite - completely dense and barren. Net pay - 0'.

4295-4306

Finely xyn gray dolomite w/scattered solution type porosity - w/some calcite and pyrite replacements and occasional oolitic development - dense streaks at 4298 and 4301. Net pay - 0'.

4306-4311

Dense finely-xyn tan to brown dolomite - Net pay - 0'. Top foot slightly fractured.

4311-4313

Dense finely xyn gray dolomite w/slight fracturing. Net pay - 0'.

4313-4325

Lost core.

RECOVERED 20'

DRILLED WITH ROCK BIT - SAMPLE EXAMINATION4325-4354

Very poor fine samples. Drilled with water and rock bit. Light gray dense dolomite with no staining or odor. Reverse circulated from this point on.

4354-4376

Fair samples. Gray finely-xylm dolomite with no shows. (4372-74 had trace of porosity)

4376-4415 TD of Well

<u>Depth</u>	<u>Color-Texture-Formation</u>	<u>Porosity</u> % <u>Type</u>	<u>Stain</u> %	<u>Remarks</u>
4376-78	Tan-light gray-finely xylm dolomite	10%    Poor	---	---
4378-80	Tan-light gray-finely xylm dolomite	20%    Fair	20%	---
4380-82	Tan -finely xylm dolomite	Tr. poor	30%	---
4382-84	Tan-finely xylm dolomite	--    ---	40%	---
4384-86	Light gray - finely xylm dolomite	10%    Good	10%	---
4386-88	Tan-finely xylm dolomite	Tr.    Poor	20%	---
4388-90	Tan-finely xylm dolomite	Tr.    Poor	20%	---
4390-92	Tan-brown-xylm dolomite	30%    Good	30%	---
4392-94	Brown-gray    "    "	60%    Good	40%	---
4394-96	"    "    "    "	60%    Good	40%	Tr. shale
4396-98	Gray    "    "	10%    Poor	10%	---
4398-00	Gray    "    "	10%    Poor	10%	Tr. shale
4400-02	Gray-tan-finely xylm dolomite	10%    Poor	10%	---
4402-04	Gray-tan-    "    "	-----    ---	20%	---
4404-06	Gray    "    "	---    ---	30%	---
4406--08	Tan-gray-sugary dolomite	60%    Good	40%	---
4408-10	Tan    sugary dolomite	30%    Good	40%	---
4410-12	Tan-gray-sugary-finely-xylm dolomite	40%    Fair	30%	---
4412-14 TD	Gray-finely xylm dolomite	10%    Poor	10%	----