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LAB**Petroleum Reservoir Engineering**

COMPANY POGO PRODUCING COMPANY FILE NO. 3202-12349
 WELL FEDERAL NEL NO. 2 DATE 5-23-81
 FIELD NORTHEAST LOVING FORMATION CHERRY CANYON ELEV. 3046' G.L.
 COUNTY EDDY STATE NEW MEXICO DRLG. FLD. MUD CORES CHRISTENSEN
 LOCATION 1880' FSL & 760' FEL, T-23-S, R-28-E, SEC. 9

CORRELATION COREGRAPH

These analyses, opinions and interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., its employees, contractors and agents. Core Laboratories, Inc., its officers and employees assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" 100'

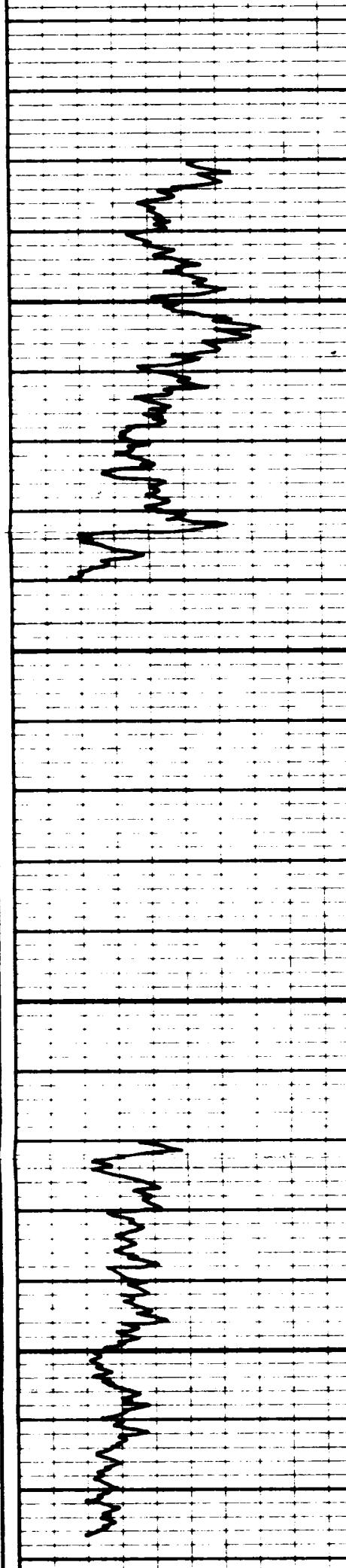
Gamma Ray

RADIATION INCREASE →

Permeability

MILLIDARCIAS

API UNITS



100 10 1.0 .1

Depth Feet 30

Porosity

PERCENT

20 10

Total Water

PERCENT PORE SPACE

100 80 60 40 20 0

Oil Saturation

PERCENT PORE SPACE

0 0 20 40 60 80 100

3600

3650

3700

3800

3850

3900

3950

4000

4050

4100

4150

4200

4250

4300

4350

4400

4450

4500

4550

4600

4650

4700

4750

4800

4850

4900

4950

5000

5050

5100

5150

5200

5250

5300

5350

5400

5450

5500

5550

5600

5650

5700

5750

5800

5850

5900

5950

6000

6050

6100

6150

6200

6250

6300

6350

6400

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8350

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8550

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9700

9750

9800

9850

9900

9950

10000

10050

10100

10150

10200

10250

10300

10350

10400

10450

10500

10550

10600

10650

10700

10750

10800

10850

10900

10950

10000

10050

10100

10150

10200

10250

10300

10350

10400

10450

10500

10550

10600

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10700

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10800

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