

CORE LABORATORIES, INC.

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O. C. D.
ARTESIA, OFFICE

Petroleum Reservoir Engineering

COMPANY POGO PRODUCING COMPANY

WELL SAM FEDERAL NO. 1

FIELD WILDCAT

COUNTY EDDY COUNTY

STATE NEW MEXICO

DELAWARE

LOCATION 990' FSL & 840' FWL, SEC. 25, T-25-S-28-E

FILE NO. 3202-12279

DATE 4-21-81

ELEV 2614 CL 2625 KB

CORES CHRISTENSEN

CORRELATION COREGRAPH

This graph is used to correlate logs from different wells in a reservoir. It shows the relationship between depth and various log parameters. The graph is divided into four main sections: Gamma Ray, Permeability, Porosity, and Oil Saturation. Each section has a specific scale and units. The Gamma Ray section shows radiation increase in API units. The Permeability section shows millidarcies on a logarithmic scale. The Porosity section shows percent pore space. The Oil Saturation section shows percent pore space. The graph is used to identify and correlate different geological formations and reservoir properties.

Gamma Ray

RADIATION INCREASE

API UNITS

Permeability

MILLIDARCIES

Porosity

PERCENT

Total Water

PERCENT PORE SPACE

100 80 60 40 20 0

Oil Saturation

PERCENT PORE SPACE

0 0 20 40 60 80 100

