CGS

IGME

-20112

HOJA - 22 - 07

VITORIA

SONDEOS PETROLIFEROS

Apodaca

Diciembre, 1977

COMPAÑIA GENERAL DE SONDEOS, S.A.

Division de Estudios

-20112

VITORIA

SONDEO PETROLIFERO DE:

- APODACA 1: Diagrama del sondeo
  Logs: de resistividad y radioactivo.

En esta hoja se incluye además una información general, referida a toda la Cuenca Cantábrica que está constituida por los siguientes documentos:

Sondeos petrolíferos: 1 Mápa índice de datos de sondeos
1 Cuadro estratigráfico comparativo de los sondeos de Ciepsa.
7 cuadros de correlaciones de sondeos.

Mapas de síntesis: 1 Mapa geológico general
11 mapas de isopacas y facies escala 1:500.000
2 mapas de isopacas escala 1:100.000
1 mapa de evolución general
1 plano de secciones evolutivas

Geofísica y Tectónica: 1 Mapa gravimétrico residual
1 Mapa de anomalía de Bouguer
1 Mapa tectónico de superficie
1 Plano de cortes estructurales
6 Cortes sísmico-geológicos
3 Mapas de isobatas escala 1/100.000
4 Mapas de isobatas escala 1/500.000

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THE PROSPECTION ELECTRIQUE

OPERATION Gamma ray - Neutron

COMPANY CIEPSA

WELL Ipalara

FIELD Ebro

COUNTY Tarragona

STATE Spain

COMPANY CIEPSA

WELL Ipalara 1

FIELD Ebro

COUNTY Tarragona

STATE Spain

Elevation

Log measured from

Drilling measured from

Date 1-7-58

Run No. 1

Depth-driller 1.500

Depth-logger 1.500

Bottom log interval 1.500

Top log interval surface

Casing-driller 9 5/8 @ 1.500

Casing-logger 9 5/8 @ 1.500

Bit size 8 1/2

Type fluid in hole Water

Density and viscosity

pH and fluid loss

Source of sample

Rm @ measured temp.

Rmf @ measured temp.

Rmc @ measured temp.

Source of Rmf Rmc

Rm @ BHT

Time since circulation

Time since stop

Max. rec. temp. deg. F.

Equipment location

Recorded by

Witnessed by

REMARKS

Gamma ray Neutron

Gamma ray Neutron

Background cps 25 25

Full scale cps 250 250

Density gm/cm3 1.0

Neutron % 30

Time constant 1 1

Speed 1 in/min

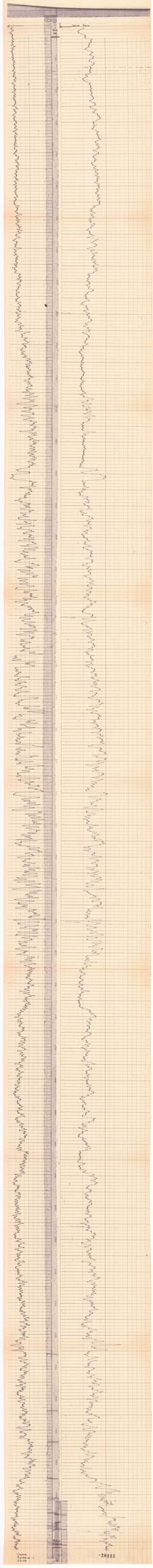
The zero of the gamma ray gate is in direct in of hole line

Gamma ray p.p. rad. equiv. Eon

Neutron counts per second

0 10 20 30 40

Depth



SOCIETE DE PROSPECTION ELECTROMAGNETIQUE

OPERATION Lahaye

COMPANY CIEPSA

FIELD Spakia

WELL Spakia 1

COUNTY Spain

STATE

Location of well

Elevation

PERMANENT DATUM

ELEVATION

LOG MEASURED FROM

DRILLING MEASURED FROM

DATE RUN

RUN NO.

DEPTH-DRILLER

DEPTH-LOGGER

BTM. LOG INTERVAL

TOP LOG INTERVAL

CASING-DRILLER

CASING-LOGGER

BIT SIZE

TYPE FLUID IN HOLE

DENSITY

VISCOSITY

PH

FLUID LOSS

SOURCE OF SAMPLE

RM @ MEASURED TEMP.

RMF @ MEASURED TEMP.

RMC @ MEASURED TEMP.

SOURCE RMF

SOURCE RMC

RM @ BHT

TIME SINCE CIRCULATION

MAX. REC. TEMP.

EQUIP. LOCATION

RECORDED BY

WITNESSED BY

REMARKS

Sensitivity : 2cm de mètre

Normal scale.

Compressed scale.

Cathode Zone

Compressed scale.

Normal scale.

Cathode Zone

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SOCIETE DE PROSPECTION ELECTROMAGNETIQUE 20112

ORIGINAL

FIELD: APODACA
WELL: nº 4
COMPANY: CIEPSA

ELECTRICAL LOG

COMPANY: CIEPSA
WELL: APODACA nº 4
SECTION:
COUNTRY: SPAIN

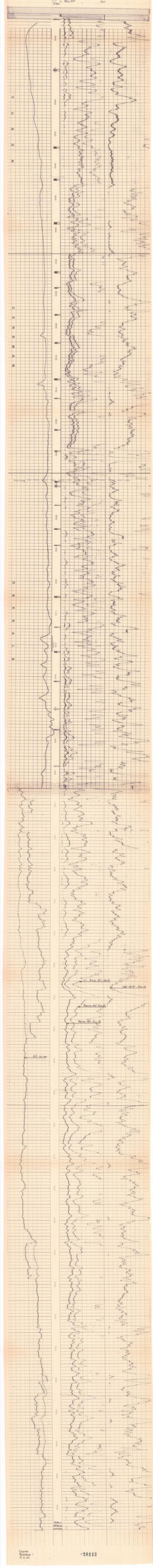
Elevation:

Date: 5-5-58
Recorded by: [illegible]
Witnessed by: [illegible]

REMARKS: The dotted line represents the S.P. curve which should be added relative to our figure number one that is shown.

S.P. (millivolts) | Resistivity (ohms m²/m) | Resistivity (ohms m²/m)

"Z 20 M" | Ohm = 4M.10⁶ / 2Ohm | Ohm = 4M.10⁶ / 2Ohm | Acc. Ohm 10⁶ / 2Ohm



Cuipe
Bilbao
S.L.M.

-20112

201112

C. DEILMANN Bergbau - C.I.E.P.S.A. - Vitoria (Spanien)

Sammelprotokoll — Maßstab 1 : 1000

Bohrung: APODACA 1

Provinz: Alava

Koordinaten: 42° 50' 20" N / 2° 41' 20" W

Höhe über NN: 1 m

Wasserhöhe unter u. Z.: 0,00 m

Erster Bohrtag: 27. Januar 1983

Letzter Bohrtag: _____

Eigentümer: _____

Bohrer: Pedro Alvarez

Sachbearbeiter: Joaquin Lara

Kernausbeute: _____ %

Kernlänge: _____ m

Kernverlust: _____ m

Lichtlochlänge: _____ m

Meßlänge: _____ m

Kernlänge: _____ m

Kernverlust: _____ m

Kernausbeute: _____ %