

BELCO PETROLEUM

CORPORATION OF PERU
(SUCURSAL DEL PERU)

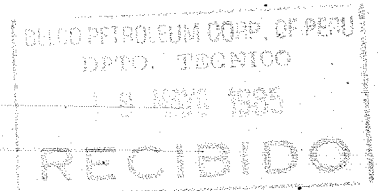
TELKE. - NEGRITOS
863-804-803

APARTADO N° 1
TALARA-PERU

G-45-85

May 3rd, 1985

To : E. Escobedo - Belco Coordinator
From : A. Garro - Wellsite Geologist
Ref : Logging Report Well Z2A-21-618-D-L06 (L06-8)



May 1st, 1985

19:00 hrs.: Welex crew on location.
20:00 hrs.: Checking and calibrating tools.

May 2nd, 1985

4
3.664
10:00 hrs.: Well ready to run logs and rigging up tools.
10:40 hrs.: RIH with Dual Guard Forxo-GR.
11:25 hrs.: Tools on bottom, starting to log.
13:50 hrs.: Finished logging Dual Guard Forxo-GR
14:00 hrs.: Tools on surface; rigging up and calibrating CDL-N-GR.
15:00 hrs.: RIH with CDL-N-GR tools.
15:55 hrs.: Tools on bottom, starting to log.
17:20 hrs.: Finished logging CDL-N-GR.
17:40 hrs.: Tools on surface.
17:50 hrs.: Making films, copies were made on yard due to problems with the copy machine.
18:00 hrs.: Finished logging operation.

QUALITY LOGS

DUAL GUARD FORXO : Calibrations before and after logging were made by computer.
Gamma ray and resistivity curves are in the same depth.
Conductivity curve is according with the induction curve.
Caliper curve shows bad readings from 5660'-2500'.
Logging velocity was 100'/min.
Quality log is fair.

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TELEF. — NEGRITOS
803-804-803

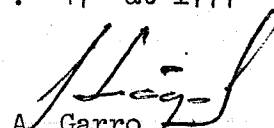
APARTADO N° 1
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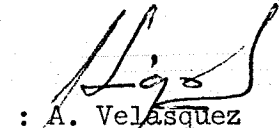

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CDL-N-GR : Calibrations before and after logging are checking.
Porosity curves with gamma ray curve are in the sema depth.
Correction curves read some negative values.
Mechanical zeros are in scale.
Caliper curve are reading bad values from 5660'.
Quality log is fair.
Logging interval was : 6000' - 4000' = 2000'
Density mtz : 2.65 gr/cc.
Neutron mtz : limestone
Fluid density : 1.1
Logging velocity was 30 ft/min.

NOTE : In both runs, caliper curve was failing from 5660' to 2500', without
apparently cause, probalby due to a computer fail.

Logging Company	: Welex
Logs programmed	: IEL-GR
Logs run	: Dual Guard Forxo, CDL-N-GR.
Logging interval	: Dual Guard Forxo 6285' - 1705' = 4580'
	GR 6285' - 400' = 5885'
	CDL-N-GR 6000' - 4000' = 2000'
TD Driller	: 6313'
TD Logger	: 6285'
Maximum vertical angle	: 47° at 1777'


A. Garro
Wellsite Geologist


Approved by : A. Velasquez
GEOPET Supervisor 

AG/AVV/Elv
cc: MAR - Lima
Well file