1-6

MCH

BELCO PETROLEUM CORPORATION OF PERU

GEOLOGICAL LOG

LITHOLOGICAL AND PALEONTOLOGICAL LOG

WELL Z2A-21-584-CD-LOG (LOG-17)

No glauc

WORKING FILE GEOSCIENCES

BELCO PETROLEUM CORP. OF PERU
DPTO. TECNICO
07 ENE. 1985
RECIBIDO

GEOLOGISTS: A. GARRO
R. MORANTE

PALEONTOLOGIST: F GADEA T.

PALYNOLOGYST:

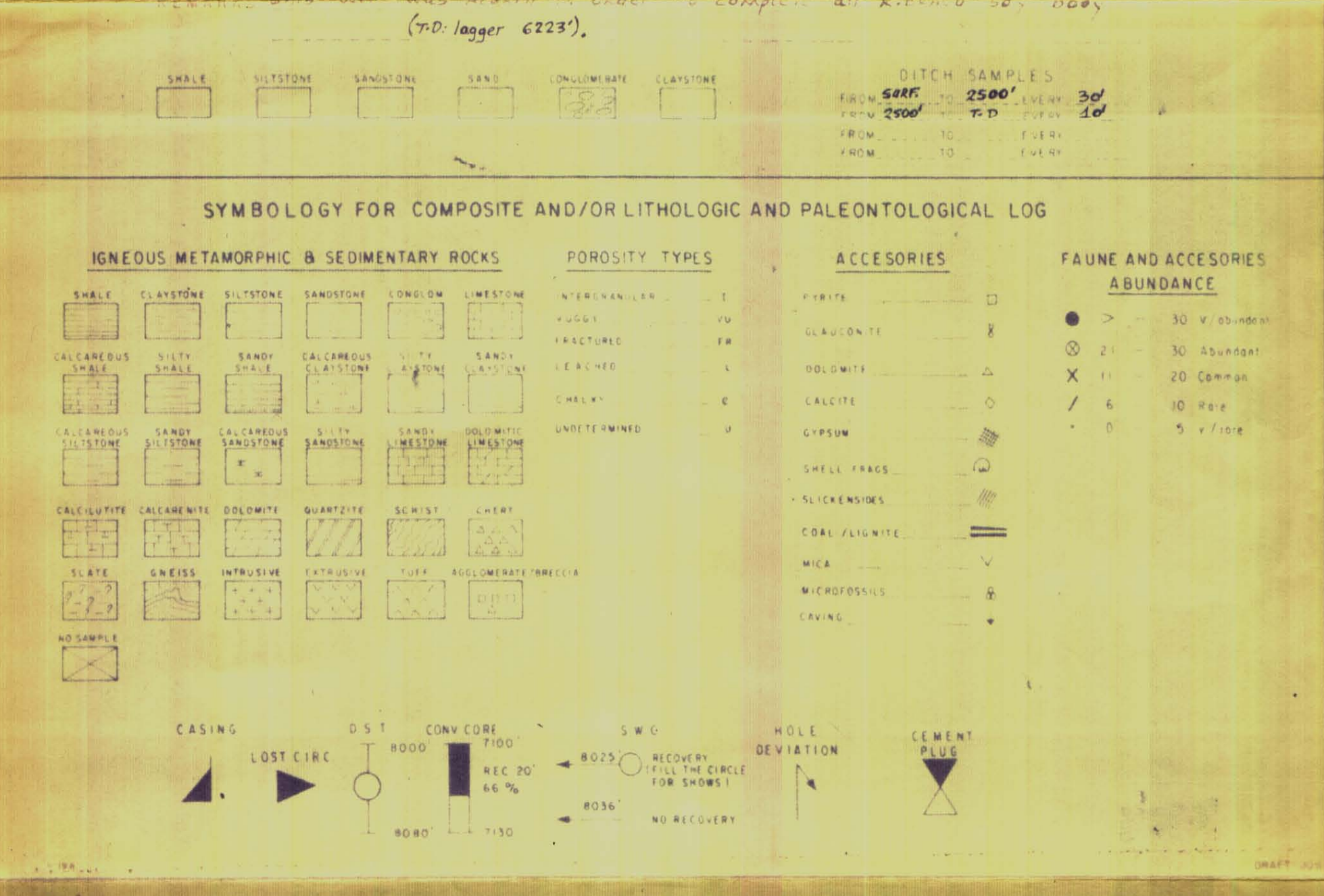
PRN ✓

AREA: LoBITos OFFSHORE
BLOCK: Z2A PARCEL: 21
PLATFORM: "LOG".
RIG CONTRACTOR: STORMDRILL III
TYPE OF WELL: CONFIRMATORY - DEVELOPMENT
SURFACE COORDINATES: N 1'598,634.59 m E 124,656.60 m
BOTTOM COORDINATES: N 1'598,921.30 m E 123,585.84 m
K.B.E: 50' G.L.E: ——— WATER DEPTH: 335'
AVERAGE DIRECTION: N 75° W
AVERAGE OF VERTICAL ANGLE ON TARGET: 33° 43'.
TOTAL MEASURED DEPTH: 6852'
TOTAL VERTICAL DEPTH: 5446'
DRILLING COMMENCED: OcTob'er 22nd, 1984.
DRILLING FINISHED: November 16th, 1984.
SURFACE CASING: 13 3/8" csg, shoe at 507'
INTER CASING: 9 5/8" csg, shoe at 2005'
PRODUCTION CASING: 5 1/2" csg, shoe at 6820'
ELECTRICAL SURVEYS: DLL-MSFL-GR, CDL-CNL-GR
~~REMARKS: This well was drill in order to complete all R.Benco sds body~~
(T.D: lagger 6223').

PETRO-TECH PERUANA S.A.
GEOLOGIST WELL FILE

SCANNED
By: Pauna
Date: 1-8-03

DITCH SAMPLES
FROM SURF. TO 2500' EVERY 30'
FROM 2500' TO T.D EVERY 10'
FROM TO EVERY
FROM TO EVERY



SHALE
SILTSTONE
SANDSTONE
SAND
CONGLOMERATE
CLAYSTONE
SYMBOLOGY FOR COMPOSITE AND/OR LITHOLOGIC AND PALEONTOLOGICAL LOG
IGNEOUS METAMORPHIC & SEDIMENTARY ROCKS
SHALE
CLAYSTONE
SILTSTONE
SANDSTONE
CONGLOM
LIMESTONE
CALCAREOUS SHALE
SILTY SHALE
SANDY SHALE
CALCAREOUS CLAYSTONE
SILTY CLAYSTONE
SANDY CLAYSTONE
CALCAREOUS SILTSTONE
SANDY SILTSTONE
CALCAREOUS SANDSTONE
SILTY SANDSTONE
SANDY LIMESTONE
DOLOMITIC LIMESTONE
CALCILUTITE
CALCARENITE
DOLOMITE
QUARTZITE
SCHIST
CHERT
SLATE
GNEISS
INTRUSIVE
EXTRUSIVE
TUFF
AGGLOMERATE BRECCIA
NO SAMPLE
POROSITY TYPES
INTERGRANULAR I
VUGGY VU
FRACTURED FR
LEACHED L
CHALKY C
UNDETERMINED U
ACCESORIES
PYRITE
GLAUCONITE
DOLOMITE
CALCITE
GYPSUM
SHELL FRAGS
SLICKENSIDES
COAL/LIGNITE
MICA
MICROFOSSILS
CAVING
FAUNE AND ACCESORIES ABUNDANCE
> 30 V/abundant
21 - 30 Abundant
11 - 20 Common
6 - 10 Rare
0 - 5 v/rare
CASING
LOST CIRC
DST 8000' 8080'
CONV CORE 7100' REC 20' 66% 7130'
SWC 8025' RECOVERY (FILL THE CIRCLE FOR SHOWS) 8036' NO RECOVERY
HOLE DEVIATION
CEMENT PLUG

LOG-17

LITHOLOGICAL DESCRIPTIONS

000—500

PALEONTOLOGICAL DETERMINATIONS

PALYNOLOGICAL DETERMINATION

DRILLING SPUDDED ON OCTOBER 22nd 1984 AT 1:30 HRS

*NON SAMPLE RETURNS DRILLING WITH SEA WATER

13 3/8" csg shoe at 507 feet

OCT. 23rd 1984 AT 535'

MUD: WT 9.7 VIS 42 WL 8.0

No Samples at the Office

No Samples at the Office

No samples at the ~~agr.~~ office

No representative samples (crowd samples)

No Samples at the office

DRILLING STOPPED IN NOVEMBER 15th 1984 AT 06:30 HRS.

PETRO-TECH PERUANA
GEOLOGIST WE