1-6

BELCO PETROLEUM CORPORATION OF PERU
GEOLOGICAL LOG
LITHOLOGICAL AND PALEONTOLOGICAL LOG
WELL Z2A-21-579-D-L06-(L06-22)

PRNV

WORKING FILE GEOSCIENCES

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GEOLOGISTS: (GEOPET) JULIO ORTIZ N / ALFREDO VELASQUEZ V / EDUARDO BERENSON / R. MORANTE
PALEONTOLOGIST:
PALINOLOGYST:

AREA: LOBITOS OFFSHORE
BLOCK: Z2A PARCEL: 21
PLATFORM: "L06"
RIG CONTRACTOR: STORM DRILL III
TYPE OF WELL: DEVELOPMENT
SURFACE COORDINATES: N: 1'598,631.27 m — E: 124,653.17 m
BOTTOM COORDINATES: N: 1'597,959.49 m — E: 124,190.79 m
K.B.E 50' G.L.E WATER DEPTH 335'
AVERAGE DIRECTION: S 34°32'21" W
AVERAGE OF VERTICAL ANGLE ON TARGET: 37°45'17"
TOTAL MEASURED DEPTH: 5991'
TOTAL VERTICAL DEPTH: 5121'
DRILLING COMMENCED: ON SEPTEMBER 27 1984
DRILLING FINISHED: ON OCTOBER 14 1984
SURFACE CASING: 13 3/8 CSG, SHOE AT 497'
INTER CASING: 9 5/8 CSG, SHOE AT 2321'
PRODUCTION CASING: 5 1/2 CSG, SHOE AT
ELECTRICAL SURVEYS: DLL-MSFL-GR, FDC-CNL-GR
REMARKS:

PETRO-TECH PERUANA S.A. GEOLOGIST WELL FILE

SCANNED By Peluso Date 1-8-03

SHALE | SILTSTONE | SANDSTONE | SAND | CONGLOMERATE | CLAYSTONE

DITCH SAMPLES
FROM surf TO 2000' EVERY 30'
FROM 2000' TO T.D. EVERY 10'
FROM TO EVERY
FROM TO EVERY

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
X 11 - 20 Common
/ 6 - 10 Rare
· 0 - 5 V/rare

CASING | LOST CIRC | D.S.T. | CONV. CORE | S.W.C. | HOLE DEVIATION | CEMENT PLUG

DRILLING RATE MIN/FT | BIT | LOST CIRC / GAS CUT MUD | SURVEYS | POROSITY / GRADE | DEPTH | LITHOLOGY | FM TOPS | FLUORESCENCE | L06-22 LITHOLOGICAL DESCRIPTIONS | PALEONTOLOGICAL DETERMINATIONS