



Grapholog

CORE LABORATORIES, INC.

BTA OIL PRODUCTION

COMPANY BTA
WELL 8006 JV-P HUDSON-STATE NO. 1-Y
FIELD ANTELOPE RIDGE
COUNTY LEA STATE NEW MEXICO
LOCATION 860 FNL B. 1980 EWL ELEVATION SL 3370
SEC II, T-23-S, R-34-E KB 3402

DEPTH LOGGED FROM 8000 TO 13410 FT.
DATE LOGGED 6/1/81 TO 8/5/81
CREW CHIEF B. BURNES FILE NO. FLN 788-3
DRILL FLUID CONTROLLED BRINE 8000 TO 11700 FT.
INVERTED OIL BASE 11700 TO 13410 FT.
MUD

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LEGEND

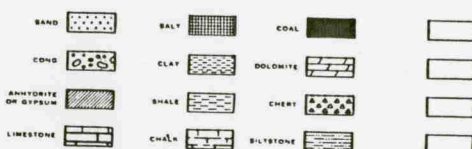
ABBREVIATIONS

NB = NEW BIT
NCB = NEW CORE BIT
CD = CIRCULATED OUT
DST = DRILL STEM TEST
LAT = LOGGED AFTER TRIP
TG = TRIP GAS
NR = NO RETURNS
DS = DIRECTIONAL SURVEY
DC = DEPTH CORRECTION
DEPTHS CORRESPOND TO DRILL PIPE MEASUREMENTS

RESISTIVITY, OHM METERS
Rm = MUD
Rmc = MUD CAKE
Rmf = MUD FILTRATE

MUD DATA
CK = CAKE THICKNESS 32nds
V = VISCOSITY API SECONDS
F = FILTRATE API CC'S
W = WEIGHT
S = SALINITY, ppm Cl

LITHOLOGY



DRILLING RATE

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HYDROCARBON ANALYSIS

WIRE MOUNTED TOTAL GAS ELECTRONIC Methane (by difference) Ethane Propane Butane Iso-Butane Pentane Hexane Heptane Octane Nonane Decane Undecane Dodecane Tridecane Tetradecane Pentadecane Hexadecane Heptadecane Octadecane Nonadecane Eicosane

PHD CHROMATOGRAPHY 10 Units/Div

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REMARKS
FORMATION DESCRIPTION,
MUD DATA,
DRILL STEM TESTS, etc

SH:CRY-LK GRY BLK SFT
FRM CALC N-FSS

CHT:DK GRY OFF WHT FM
XLM ARGIL I.P.

LS:WHT LT GRY VF FM
XLM SFT FRM SMDY I.P.
SM GLAUC

SH:DK GRY BLK FRM SFT
CALC SLTY I.P.

LS:OFF WHT LT GRY FM
XLM SFT ARGIL I.P.

CHT:WHT CLR BRN TRANSL
CALC I.P.

LS:WHT LN LT GRY FM VF
XLM FRM SFT ARGIL I
TR SMD

SH:DK GRY BLK FRM BLK
CALC

LS:WHT TN VF MIC XLM
FRM HD SM FOSS FRAG
TR GLAUC

SH:DK GRY BLK FRM CALC
SLTY I.P. TR PYR

SH:BLK FRM SL CALC
SLTY I.P.

LS:UFF LT GRY F-VF
XLM P IND SL ARG

SH:GRY DK GRY SFT-FRM
N-FSS CALC SL SIL I

T.G.

LS:WH GRY FM XLM FRM HD
SNDY IP TR GLAUC

SS: WH CLR VF FM GRN
FRM CALC TR GLAUC

LS:TN BRN OFF WHT VF
MIC XLM FRM COLIC
SM FLTM SMD GRNS

SH:BLK FRM HD SIL I.P.
SLTY CALC

CHT:DK GRY HD OPQ FM
XLM V/ARGIL I.P.

EXHIBIT NO. 1
CASE NO. 10937