Output DLIS Files
DEFAULT PI_LDL_APS_NGS_006LUP FN:6 PRODUCER 12−Jul−2006 06:03

REDUCED PI_LDL_APS_NGS_006LUP FN:7 PRODUCER 12−Jul−2006 06:03

OP System Version: 12C0−301
MCM

DIT−E 12C0−301 DTA−A 12C0−301
HLDS SPC−2602−NUCL LDSC−B SPC−2602−NUCL
APS−C SPC−2602−NUCL HNGC−B SPC−2602−NUCL
HNGS−BA SPC−2602−NUCL DTC−H 12C0−301

Format: DITE_LogPhasor Vertical Scale: 1:200 Graphics File Created: 12−Jul−2006 06:03

DFD Drilling Fluid Density 1.07 G/C3
TD Total Depth 1086 M

Dual Induction Tool

Gamma Ray

Company:

Well:

Field:

RIG

Ocean

Lamont Doherty

NGHP−01−14A

Joides Resolution

Bengal Bay

BHS Borehole Status OPEN
BHT Bottom Hole Temperature (used in calculations) 45 DEGC
GCSE Generalized Caliper Selection BS
GDEV Average Angular Deviation of Borehole from Normal 0 DEG
GGRD Geothermal Gradient 0.018227 DC/M
GTSE Generalized Temperature Selection LINEAR_ESTIMATE
SHT Surface Hole Temperature 20 DEGC
HNGS−BA: Hostile Natural Gamma Ray Sonde
BAR1 HNGS Detector 1 Barite Constant 1
BAR2 HNGS Detector 2 Barite Constant 1
BHK HNGS Borehole Potassium Correction Concentration 0
BHS Borehole Status OPEN
BHT Bottom Hole Temperature (used in calculations) 45 DEGC
CSD1 Inner Casing Outer Diameter 0 IN
CSD2 Outer Casing Outer Diameter 0 IN
CSW1 Inner Casing Weight 0 LB/F
CSW2 Outer Casing Weight 0 LB/F
DBCC HNGS Barite Constant Correction Flag NONE
GCSE Generalized Caliper Selection BS
GDEV Average Angular Deviation of Borehole from Normal 0 DEG
GGRD Geothermal Gradient 0.018227 DC/M
GTSE Generalized Temperature Selection LINEAR_ESTIMATE
H1P HNGS Detector 1 Allow/Disallow In Processing ALLOW
H2P HNGS Detector 2 Allow/Disallow In Processing ALLOW
HABK HNGS Borehole Potassium Running Average −0.00240838
HALF HNGS Alpha Filter Length 60 IN
HCRB HNGS Apply Borehole Potassium Correction NONE
HMWM Mud Weighting Material NATU
HNPE HNGS Processing Enable YES
S1BI HNGS Detector 1 Calibration Bismuth Count Rate 1.3 CPS
S2BI HNGS Detector 2 Calibration Bismuth Count Rate 1.3 CPS
SGRC HNGS Standard Gamma−Ray Correction Flag YES
SHT Surface Hole Temperature 20 DEGC
TPOS Tool Position ECCE
VBA1 HNGS Detector 1 Variable Barite Factor Running Average 0.883382
VBA2 HNGS Detector 2 Variable Barite Factor Running Average 0.918483
System and Miscellaneous
BS Bit Size 11.438 IN

Parameters

DLIS Name Description Value
DIT−E: Dual Induction − E
BHS Borehole Status OPEN
BHT Bottom Hole Temperature (used in calculations) 45 DEGC
DGF2 Deep 20 kHz Gain Factor 0.979701
DPH2 Deep 20 kHz Phase Shift 0.0149425 DEG
DRE2 Deep Real 20 kHz Sonde Error Correction 16.9484 MM/M
DSR2 Deep Sigma Reference (20 kHz) 1843 MM/M
DXE2 Deep Quad 20 kHz Sonde Error Correction 134.665 MM/M
GCSE Generalized Caliper Selection BS
GDEV Average Angular Deviation of Borehole from Normal 0 DEG
GGRD Geothermal Gradient 0.018227 DC/M
GTSE Generalized Temperature Selection LINEAR_ESTIMATE
IFRS DIT−E Induction Frequency Selector 20
IPHA DIT−E Phasor Processing Mode ALL
IPRO DIT−E Induction Processing Selector PHASOR
ITEN DIT−E Temperature Enable ENABLE
MGF2 Medium 20 kHz Gain Factor 0.991455
MPH2 Medium 20 kHz Phase Shift −0.877902 DEG
MRE2 Medium Real 20 kHz Sonde Error Correction 10.4851 MM/M
MSR2 Medium Sigma Reference (20 kHz) 3250 MM/M
MXE2 Medium Quad 20 kHz Sonde Error Correction 175.191 MM/M
SFCR SFL Channel Ratio 1000
SHT Surface Hole Temperature 20 DEGC
APS−C: Accelerator−Porosity Tool

0.2 (OHMM) 2000

Tension (TENS)
11000 (LBF) 1000

PIP SUMMARY

Time Mark Every 60 S

HLDS Caliper (LCAL)
0 (IN) 20

HNGS Spectroscopy Gamma Ray
(HSGR)
0 (GAPI) 100

Deep Induction Phasor−processed Resistivity (IDPH)
0.2 (OHMM) 2000

Medium Induction Phasor−processed Resistivity (IMPH)
0.2 (OHMM) 2000

SFL Unaveraged (SFLU)

ID_QUAL
From
IMQF to
IDQF

LCAL

HSGR

IDPH

IMPH

IDQF

IMQF

SFLU

1075

TENS

1050

1025

1000

LCAL

HSGR

IDPH

IMPH

IDQF

IMQF

SFLU

TENS

975

− DP−

950

925

900

−Sea Floor−

875

OP System Version: 12C0−301
MCM

DIT−E 12C0−301 DTA−A 12C0−301
HLDS SPC−2602−NUCL LDSC−B SPC−2602−NUCL
APS−C SPC−2602−NUCL HNGC−B SPC−2602−NUCL
HNGS−BA SPC−2602−NUCL DTC−H 12C0−301

HLDS Caliper (LCAL)
0 (IN) 20

HNGS Spectroscopy Gamma Ray
(HSGR)
0 (GAPI) 100

Deep Induction Phasor−processed Resistivity (IDPH)
0.2 (OHMM) 2000

Medium Induction Phasor−processed Resistivity (IMPH)
0.2 (OHMM) 2000

SFL Unaveraged (SFLU)
0.2 (OHMM) 2000

Tension (TENS)
11000 (LBF) 1000

ID_QUAL
From
IMQF to
IDQF

PIP SUMMARY

Time Mark Every 60 S

Output DLIS Files
DEFAULT PI_LDL_APS_NGS_006LUP FN:6 PRODUCER 12−Jul−2006 06:03 1088.1 M 862.4 M

REDUCED PI_LDL_APS_NGS_006LUP FN:7 PRODUCER 12−Jul−2006 06:03 1088.1 M 862.4 M

Company: Lamont Doherty Well: NGHP−01−14A

MAXIS Field Log

MAIN PASS

974.0 5.000 Drill Pipe

906.0 11.438 Sea Floor

ALL LENGTHS IN METERS

MEASUREMENTS RELATIVE TO TOOL ZERO

MAXIMUM STRING DIAMETER 3.88 IN

TOOL ZERO

Tension 0.00

Status HV DF

MD

Production String Well Schematic Casing String

OD ID MD OD ID

(in) (m) (m) (in)

Mean Sea Level 0.0

Derrick Floor Elevation 11.0

Kelly Bushing Elevation 11.0

11.0 5.000 Casing String

DIT−E 9.52 DIC−EB 335
MIH−ZA 342
DIS−HB 129

DTA−A 10.74
ECH−KE
DTA−A

HLDS 15.56
GSR−Z 2326
HLDV−D 35
HLDS−D 45
HEH−H 35
HLDP−C 45

LDSC−B 16.63
LDSH−A 333

AH−190 16.93

Med Ind 1.83

Aux Meas SFL 1.98

Deep Ind 2.90

SP 3.15

SS LS Status 11.51

Caliper

LDSC Stat 16.10

DOWNHOLE EQUIPMENT

APS−C 20.88
APH−AC 22
APS−C 22
MNTR−F 4185

ILE−D 23.32
ILE−D

AH−191 23.62

HNGC−B 24.69
HNGH−A 115

HNGS−BA 27.19
HNGS−BA 194
HNSH−BA 204

DTC−H 28.10
ECH−KC

LEH−QT 28.99
LEH−QT

Far TD 18.13

Far 18.23

Far Arr 18.36

Near 18.43

Near Arr

Near TD

Minitron

Status

HNGC Stat 24.15

Lower_2 26.27

Upper_1 26.49

ToolStatu 27.19

TelStatus

CTEM 27.82

RUN 1 RUN 2

HLDS caliper closed at 1002 mbrf to avoid tool damage

LOGGED INTERVAL START STOP LOGGED INTERVAL START STOP

FLUID LEVEL: FLUID LEVEL:

PROGRAM VERSION: 12C0−301 PROGRAM VERSION:

SERVICE ORDER #: SERVICE ORDER #:

RUN 1 RUN 2

EQUIPMENT DESCRIPTION

SURFACE EQUIPMENT
SFT−281 6250
SFT−178 6250
GSR−U 135
WITM (DTS)−A

Tool ran as per tool sketch below

All parameters and presentations as per client request

REMARKS: RUN NUMBER 1 REMARKS: RUN NUMBER 2

OS5: OS5:

OS4: OS4:

OS3: HNGS OS3:

OS2: APS OS2:

OS1: HLDS OS1:

OTHER SERVICES1 OTHER SERVICES2

DISCLAIMER
THE USE OF AND RELIANCE UPON THIS RECORDED−DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS
AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS
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FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED−DATA.

Run 2 Run 3 Run 4

@

@

@

@

@

@

@

Run 1

@

@

@

@

@

Witnessed By

Recorded By

Location Unit Number

Time Logger On Bottom

Time Circulation Stopped

Maximum Recorded Temperatures

RMF @ MRT RM @ MRT

RMC Source RMF

RMC @ Measured Temperature

RMF @ Measured Temperature

RM @ Measured Temperature

Source Of Sample

PH Fluid Loss

Viscosity Density

MUD

Type Fluid In Hole

Bit Size

Casing Schlumberger

Casing Driller Size @ Depth

Top Log Interval

Bottom Log Interval

Schlumberger Depth

Depth Driller

Run Number

Logging Date

@

@

@

@

@

11.3 m D.F.

−974 m G.L.

11.3 m
above Perm. Datum

K.B.

82* 05.6218’ E

Longitude

0 m

Bengal Bay

@

Gilles Guerin, Golam Sarker

Javier Espinosa

Webster, TX 2082

6:08 12−Jul−2006

21:00 11−Jul−2006

@

@

@

@

@

1.06645 g/cm3

Sepiolite

11.438 in

976 m

974 m

@ 0.000 in

909 m

1087 m

1087 m

1086 m

One

12−Jul−2006

Witnessed By

Recorded By

Location Unit Number

Time Logger On Bottom

Time Circulation Stopped

Maximum Recorded Temperatures

RMF @ MRT RM @ MRT

RMC Source RMF

RMC @ Measured Temperature

RMF @ Measured Temperature

RM @ Measured Temperature

Source Of Sample

PH Fluid Loss

Viscosity Density

MUD

Type Fluid In Hole

Bit Size

Casing Schlumberger

Casing Driller Size @ Depth

Top Log Interval

Bottom Log Interval

Schlumberger Depth

Depth Driller

Run Number

Logging Date

Drill FLoor Drilling Measured From:
11.3 m Drill Floor Log Measured From:

16* 03.5577’ N

Latitude

Elev.: Mean Sea Level Permanent Datum:

Elev.:

API Serial No.

RIG

Field:

Location:

Well:

Company:

Joides Resolution

NGHP−01−14A

Lamont Doherty
LOCATION

Gamma Ray
Dual Induction Tool

Joides Resolution

NGHP−01−14A

Lamont Doherty
Ocean RIG

Field:

Well:
Company: