Company: Lamont Doherty
Well: NGHP-01-21B
Field:
Rig:
Ocean: Bay of Bengal

Schlumberger

Joides Resolution

Hostile Natural Gamma Ray

Down Log

Array Induction Imager Tool - AIT-H

Dual Spacing Formation Density - DSNT

Hostile Environment Natural Gamma Ray Sonde - HNGS

Depth Control Gamma Ray - DGR

Logging Engineer: Roy D'Souza

Operating Rig Time: 0000 hrs

Elevations: KB: 0 ft, DF: 0 ft, GL: -1,135 ft

Permanent Datum: Mean Sea Level

Log Measured From: Rig Floor, 0 ft above Permanent Datum

Drilling Measured From: Rig Floor

Date: 10-Aug-2009

Run Number: 1

Depth Driller: 1,135 ft

Schlumberger Depth: 1,135 ft

Bottom Log Interval: 1,135 ft

Top Log Interval: 1,135 ft

Casing Driller Size @ Depth: 0 in @ 0 ft

Casing Schlumberger: 0 ft

Bit Size: 12.25 in

Type Fluid in Hole: Seawater

Density: 8.6 lbm/gal

PH: 7

Viscosity: 40 s/qt

Fluid Loss: 0 cm3

Source of Sample: Flowline

Rm @ Measured Temperature: 0.2 ohmm @ 70 degF

Rmf @ Measured Temperature: 0.2 ohmm @ 70 degF

Rmc @ Measured Temperature: 0.2 ohmm @ 70 degF

Source of Rmf and Rmc: Calculated

Rm @ BHT: 0.2 ohmm @ 70 degF

Time Circulation Stopped: 10-Aug-2009 13:00

Time Logger on Bottom: 10-Aug-2009 14:07

Maximum Recorded Temperature: 70 degF

Equipment Number: 1301

Location: 1301

Recorded By: Jaideep Rao

Witnessed By: Roy D'Souza

Run 1 | Run 2 | Run 3

Service Order #

Permanent Datum

Elevation

Log Measured From

Drilling Measured From

Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Driller Size @ Depth

Casing Schlumberger

Bit Size

Type Fluid in Hole

Density

PH

Viscosity

Fluid Loss

Source of Sample

Rm @ Measured Temperature

Rmf @ Measured Temperature

Rmc @ Measured Temperature

Source of Rmf and Rmc

Rm @ BHT

Time Circulation Stopped

Time Logger on Bottom

Maximum Recorded Temperature

Equipment Number

Location

Recorded By

Witnessed By

Run 1 | Run 2 | Run 3

Service Order #

Permanent Datum

Elevation

Log Measured From

Drilling Measured From

Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Driller Size @ Depth

Casing Schlumberger

Bit Size

Type Fluid in Hole

Density

PH

Viscosity

Fluid Loss

Source of Sample

Rm @ Measured Temperature

Rmf @ Measured Temperature

Rmc @ Measured Temperature

Source of Rmf and Rmc

Rm @ BHT

Time Circulation Stopped

Time Logger on Bottom

Maximum Recorded Temperature

Equipment Number

Location

Recorded By

Witnessed By

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OTHER SERVICES1
OBI
CBIL
DSI
HNGS

OTHER SERVICES2
DSNT

REMARKS: RUN NUMBER 1
Depth Shifts and clipping over mud cut and slurry.
TD not reached due to bad hole conditions.

REMARKS: RUN NUMBER 2

RUN 1

SERVICE ORDER #
PERMANENT DATUM
ELEVATION

1003-301

LOGGED INTERVAL | START | STOP

RUN 2

SERVICE ORDER #
PERMANENT DATUM
ELEVATION

LOGGED INTERVAL | START | STOP

EQUIPMENT DESCRIPTION

RUN 1 | RUN 2

SURFACE EQUIPMENT

SFT-181-TCC
SFT-179-TCB
SRM-3135-A

DOWNHOLE EQUIPMENT

LEH-QT
LEH-QT

DTC-H
DTC-HR

HNGS-AA
HNGS-BA 256
HNGS-BA 256

HNGS-B
HNGS-H 115

AH-181
ILE-D
ILE-D

APS-C
APS-C-P
APS-C-P
MWOB-P-430

AH-190
LDSC-B
1200H-4-333

HLDS
HDS-1208
HDS-1208
HLDS-C-A
HLDS-C-A

DTA-A
DTA-A-P-1000

DIT-E
DIT-E-182
DIS-AB-182

DF
Drill Floor
Ave Mean SFL
Ave Mean LLD
Ave Mean LLS
Ave Mean Rt
Ground Level
Mud Line
SEA BOTTOM

MAXIMUM STRING DIAMETER IS 36 IN.
MEASUREMENTS INCLUDE STABILIZERS (IF ANY).
ALL LENGTHS IN METERS

Caliper
Bit Size
Gamma Ray
Tension
Cable Head
Centralizer
Stabilizer
Flex Joint
Bow Spring
Pad
Caliper
SS LS Mode
Status
Near FD
Near ND
Far FD
Far ND
LDSC Stat
Caliper
SS LS Mode
Caliper
Bit Size
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Pad
Caliper
SS LS Mode
Status
Near FD
Near ND
Far FD
Far ND
LDSC Stat
Caliper
SS LS Mode

28.99
27.90
28.10
26.05
27.19
24.69
23.62
23.32
20.88
19.42
18.93
16.93
16.63
15.56
11.51
10.74
9.52
3.32
3.32
3.32
3.32
3.32
0.00
-0.66

Company: Lamont Doherty Well: NGHP-01-21D

Input DLIS Files

DEFAULT	Pts_Pr_LDL_APS_NGS_300LUP	PROducER	10-Aug-2009 13:32	1153.4 M	1081.9 M

Output DLIS Files

DEFAULT	Pt_LDL_APS_NGS_300PUP	PN:13	PRODUCER	10-Aug-2009 13:34	1153.4 M	1086.8 M

OS System Version: 12C0i-301

		ECM	
DIT-E	1DCI-301	DTA-A	1DCI-301
HLDS	SPC-3900-MADL	LDSC-B	SPC-3900-MADL
HNGS-BA	SPC-3900-MADL	HNGS-B	SPC-3900-MADL
		DTC-H	1DCI-301

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SHS	SFT-E: Stud Inductor - A Borehole Status	OPEN
SCS4	Centralizer Caliper Selection APS-C: Accelerator Porosity Tool	BS
SHS	Borehole Status	OPEN
SCS4	Centralizer Caliper Selection	BS
HNGS-BA Hostile	HNGS Detector 1 Barite Constant HNGS Detector 2 Barite Constant HNGS Borehole Potassium Correction Concentration	1 1 0
CBS1	Inner Casing Outer Diameter	OPEN
CBS2	Inner Casing Outer Diameter	IN
CBW1	Inner Casing Weight	0 LB/F
CBW2	Inner Casing Weight	0 LB/F
HBCO	HNGS Barite Constant Correction Flag	NONE
HDC1	HNGS Detector 1 Offset Deadtime In Processing	ALLOW
HDC2	HNGS Detector 2 Offset Deadtime In Processing	ALLOW
HBPR	HNGS Borehole Potassium Running Average	-0.014154
HBPC	HNGS Barite Constant Correction	IN
HPCO	HNGS Alpha Potassium Correction	0.95637
HPCS	HNGS Standard Counts-Per-Concentration Flag	0.95637
HPE1	HNGS Processing Enable	YES
HPE2	HNGS Detector 1 Calibration Bismuth Count Rate	1275 CPS
HPE3	HNGS Detector 2 Calibration Bismuth Count Rate	0 CPS
HPE4	HNGS Detector 1 Variable Barite Factor Running Average	0.95637
HPE5	HNGS Detector 2 Variable Barite Factor Running Average	0.95637
System and Miscellaneous		
SHS	Bit Size	11.438 IN
SHS	Drill Pipe Pipe Density	0 G/CC
SHS	Hole Fluid Density at Bit Pipe Wall Thickness	1 G/CC
SHS	Pipe Wall Thickness	0 IN

Format: HNGSTadds Vertical Scale: 1:200 Graphics File Created: 13-Aug-2009 13:34

OS System Version: 12C0i-301

		ECM	
DIT-E	1DCI-301	DTA-A	1DCI-301
HLDS	SPC-3900-MADL	LDSC-B	SPC-3900-MADL
APS-C	SPC-3900-MADL	HNGS-B	SPC-3900-MADL
HNGS-BA	SPC-3900-MADL	DTC-H	1DCI-301

Input DLIS Files

DEFAULT	Pts_Pr_LDL_APS_NGS_300LUP	PROducER	10-Aug-2009 13:32	1153.4 M	1081.9 M

Output DLIS Files

DEFAULT	Pt_LDL_APS_NGS_300PUP	PN:13	PRODUCER	10-Aug-2009 13:34	1153.4 M	1086.8 M

Company: Lamont Doherty Well: NGHP-01-21

Input DLIS Files

DEFAULT	Pts_Pr_LDL_APS_NGS_310LUP	PROducER	10-Aug-2009 13:32	1211.8 M	1183.8 M

Output DLIS Files

DEFAULT	Pt_LDL_APS_NGS_311PUP	PN:12	PRODUCER	10-Aug-2009 14:38	1211.8 M	1176.8 M

OS System Version: 12C0i-301

		ECM	
DIT-E	1DCI-301	DTA-A	1DCI-301
HLDS	SPC-3900-MADL	LDSC-B	SPC-3900-MADL
APS-C	SPC-3900-MADL	HNGS-B	SPC-3900-MADL
HNGS-AA	SPC-3900-MADL	DTC-H	1DCI-301

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SHS	SFT-E: Stud Inductor - A Borehole Status	OPEN
SCS4	Centralizer Caliper Selection APS-C: Accelerator Porosity Tool	BS
SHS	Borehole Status	OPEN
SCS4	Centralizer Caliper Selection	BS
HNGS-BA Hostile	HNGS Detector 1 Barite Constant HNGS Detector 2 Barite Constant HNGS Borehole Potassium Correction Concentration	1 1 0
CBS1	Inner Casing Outer Diameter	OPEN
CBS2	Inner Casing Outer Diameter	IN
CBW1	Inner Casing Weight	0 LB/F
CBW2	Inner Casing Weight	0 LB/F
HBCO	HNGS Barite Constant Correction Flag	NONE
HDC1	HNGS Detector 1 Offset Deadtime In Processing	ALLOW
HDC2	HNGS Detector 2 Offset Deadtime In Processing	ALLOW
HBPR	HNGS Borehole Potassium Running Average	-0.014154
HBPC	HNGS Barite Constant Correction	IN
HPCO	HNGS Alpha Potassium Correction	0.95637
HPCS	HNGS Standard Counts-Per-Concentration Flag	0.95637
HPE1	HNGS Processing Enable	YES
HPE2	HNGS Detector 1 Calibration Bismuth Count Rate	1275 CPS
HPE3	HNGS Detector 2 Calibration Bismuth Count Rate	0 CPS
HPE4	HNGS Detector 1 Variable Barite Factor Running Average	0.95637
HPE5	HNGS Detector 2 Variable Barite Factor Running Average	0.95637
System and Miscellaneous		
SHS	Bit Size	11.438 IN
SHS	Drill Pipe Pipe Density	0 G/CC
SHS	Hole Fluid Density at Bit	1 G/CC
SHS	Pipe Wall Thickness	0 IN

Format: HNGSTadds Vertical Scale: 1:200 Graphics File Created: 13-Aug-2009 15:58

OS System Version: 12C0i-301

		ECM	
DIT-E	1DCI-301	DTA-A	1DCI-301
HLDS	SPC-3900-MADL	LDSC-B	SPC-3900-MADL
APS-C	SPC-3900-MADL	HNGS-B	SPC-3900-MADL
HNGS-AA	SPC-3900-MADL	DTC-H	1DCI-301

Input DLIS Files

DEFAULT	Pts_Pr_LDL_APS_NGS_310LUP	PROducER	10-Aug-2009 14:07	1211.8 M	1183.8 M

Output DLIS Files

DEFAULT	Pt_LDL_APS_NGS_311PUP	PN:12	PRODUCER	10-Aug-2009 14:38	1211.8 M	1176.8 M