HALLIBURTON | Sperry Drilling

Powered by INSITE

AFR Azimuthally Focused Resistivity

1 : 200

Country	: Japan
Field	: Nankai Trough
Location	: Lat: 33° 18' 3.04" North Long: 136° 38' 12.17" East
Well	: C0002P
Company	: JAMSTEC
Rig	: CHIKYU

LOCATION

Company : JAMSTEC
Rig : CHIKYU
Well : C0002P
Field : Nankai Trough
Country : Japan
DOE Number :

Latitude : 33° 18' 3.04" North
Longitude : 136° 38' 12.17" East
UTM Easting = 652382.4 m
UTM Northing = 3685834.6 m

Other Services
Directional Drilling
DDSr Drillstring Dynamics

Permanent Datum : Mean Sea Level Elevation : 0.00 m
Log Measured From : Drill Floor 28.50 m Above Permanent Datum
Drilling Measured From : Drill Floor

Elev. KB 0.00 m
DF 28.50 m
GL 0.00 m
WD 1939.00 m

MD LOG

Depth Logged : 4,186.00 m To 5,026.00 m
Date Logged : 26-Dec-13 To 02-Jan-14
Total Depth MD : 5,026.00 m TVD : 5,024.10 m
Spud Date : 11-Oct-13

Unit No. : 0003501
Job No. : JP-XX-0900526576
Plot Type : Final
Plot Date : 24-Jan-14

Borehole Record (MD)				Borehole Record (MD)			
Run No.	Size	From	To	Run No.	Size	From	To
4	12.250 in	4,186.00 m	5,026.00 m				

Casing Record (MD)			
Size	Weight	From	To
36.000 in	822.35 kgpm	1,962.82 m	2,021.00 m
20.000 in	192.38 kgpm	1,962.82 m	2,827.80 m
13.375 in	101.19 kgpm	2,827.80 m	3,904.00 m

WELL INFORMATION

MWD Run Number	400
Date run completed	02-Jan-14
Rig Bit Number	4
Bit Size (in)	12.250
Tool Nominal OD (in)	8.000
Log Start Depth (MD, m)	4,186.000
Log End Depth (MD, m)	5,026.000
Drill or Wipe	Drill
Drill/Wipe Start Date and Time	26-Dec-13 10:00
Drill/Wipe End Date and Time	31-Dec-13 00:15
Min Inc (deg) @ Depth (MD, m)	1.40 @ 4,949.730
Max Inc (deg) @ Depth (MD, m)	2.93 @ 4,153.753
Bit TFA(cm2) / Bit Type	6.8 / PDC
Flow Rate (m3pm)	3.03
Max AV (mps) / CV (mps) @ MWD	1.3 / 3.1
Fluid Type	Polymer
Density (ppg) / Viscosity (spl)	10.68 / 107.81
Filtrate CL (ppm)	120,700.00
pH / Fluid Loss (m3pm)	11.10 / 0
PV (mPsec) / YP (pa)	44 / 27.29
% Solids / % Sand	14 / 0.2
% Oil / Oil:Water Ratio	N/A / N/A
Rm @ Measured Temp (degC)	.110 @ 24.00
Rmf @ Measured Temp (degC)	.080 @ 24.00
Rmc @ Measured Temp (degC)	.140 @ 24.00
Max Tool Temp (degC) / Source	43.14 / HCIM
Rm @ Max Tool Temp (degC)	.0774 @ 43.14
Lead MWD Engineer	Alex Munro
Customer Representative	Dr Moe

SENSOR INFORMATION

Downhole Processor Information

Tool Type	HCIM
Software Version	88.56
Sub Serial Number	11952679
Insert Serial Number	11790865
Date and Time Initialized	26-Dec-13 16:50
Date and Time Read	02-Jan-14 05:24
ECMB SW Version	N/A

Directional Sensor Information

Tool Type	PCDC
Distance From Bit (m)	31.450
Software Version	6.21
Sub Serial Number	11025002
Sonde Serial Number	11902126
Sensor ID Number	N/A
Toolface Offset (deg)	0

Gamma Ray Sensor Information

Tool Type	AGR
Distance From Bit (m)	16.230
Recorded Sample Period (sec)	10
Software Version	9.23
Sub Serial Number	11952679
Insert/Sonde Serial Number	239879

Resistivity Sensor Information

Tool Type	EWR-M5
Distance From Bit (m)	19.030
Recorded Sample Period (sec)	12
Software Version	1.56
Sub Serial Number	11952679
Receiver Insert Serial Number	208050
Transmitter Insert Serial Number	239879
Receiver Orientation	Down

Sonic Sensor Information

Tool Type	XBAT
Distance From Bit (m)	26.84
Recorded Sample Period (sec)	20
Sub Serial Number	N/A
Receiver Insert Serial Number	12108405
Transmitter Insert Serial Number	11215811
MIT File	4:M11_D5
Config File	N/A
Real-Time Window (us/m)	N/A - N/A
Battery Insert Serial Number	11816955
MCM Software Version	N/A
DAQ1/DAQ2 Software Version	N/A / N/A
DSM Software Version	N/A

AFR Sensor Information

Tool ID	8016
Distance From Bit (m)	13.790
Software Version	37.83
Standard-Res Sample Period (sec)	2
High-Res Sample Period (sec)	1
Tool Size	8.00"
Stabilizer Size (in)	12.00
Button Blade Size (in)	12.00
Collar Tech ID	11693898
Insert Tech ID	11576832

REMARKS

1. All depths are referenced to driller's pipe tally. No correction has been made for pipe stretch or squat.

2. Curve Mnemonics used are:
   ABR : Smoothed At Bit Resistivity, ohmm
   AFRSC : Smoothed AFR Shallow Resistivity BC, ohmm
   AFRDC : Smoothed AFR Deep Resistivity BC, ohmm
   RH48PC : Smoothed 48in 2 MHz Phase Resistivity BC, ohmm
   AFXT : Smoothed AFR Formation Exposure Time, hour
   AFRSLHM: Smoothed AFR Shallow HR Res LT Magnetic
   AFRSLSM: Smoothed AFR Shallow SR Res LT Magnetic
   AFRSUSM: Smoothed AFR Shallow SR Res UT Magnetic

3. The following smoothing parameters have been applied to the data:
   Resistivity curves 0.1524m interval, 0.60960 coercion distance
   AFR Image 0.1m interval, 0.4 coercion distance

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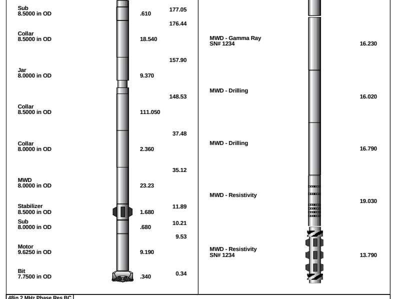
MWD RUN 400 - BHA | MWD RUN 400 - MWD



48in 2 MHz Phase Res BC (RH48PC) 0.2 – 20 ohm-metre / AFR Deep Resistivity BC (AFRDC) 0.2 – 20 ohm-metre / AFR Shall Resistivity BC (AFRSC) 0.2 – 20 ohm-metre / At-Bit Resistivity (ABR) 0.2 – 20 ohm-metre	AFXT 0 – 10 hours	Depth MD 1 : 200	AFR Shallow HR Res LT (AFRSLHM) 1 – 10	Enhanced HR AFR Dynamic 0 – 255	AFR Shallow SR Res LT (AFRSLSM) 1 – 10	AFR Shallow SR Res UT (AFRSUSM) 1 – 10