

Company: Lamont Doherty Well: KGGH02-A Site 5 Hole D Field: Krishna Godavari Basin Rig: Joides Resolution APSHLDS Porosity		Schlumberger	
Location: Krishna Godavari Basin Well: KGGH02-A Site 5 Hole D Company: Lamont Doherty		LOCATION Rig: Joides Resolution Platform Datum: Mean Sea Level Log Measured From: Rig Floor Log Measured From: HNGD APR Serial No.: 13-Jun-2006 Max. Hole Depth: 82.026733 E Latitude: 16.61727 N Longitude: 82.026733 E	
Log Measured From: HNGD APR Serial No.: 13-Jun-2006 Max. Hole Depth: 82.026733 E Latitude: 16.61727 N Longitude: 82.026733 E		Log Measured From: HNGD APR Serial No.: 13-Jun-2006 Max. Hole Depth: 82.026733 E Latitude: 16.61727 N Longitude: 82.026733 E	
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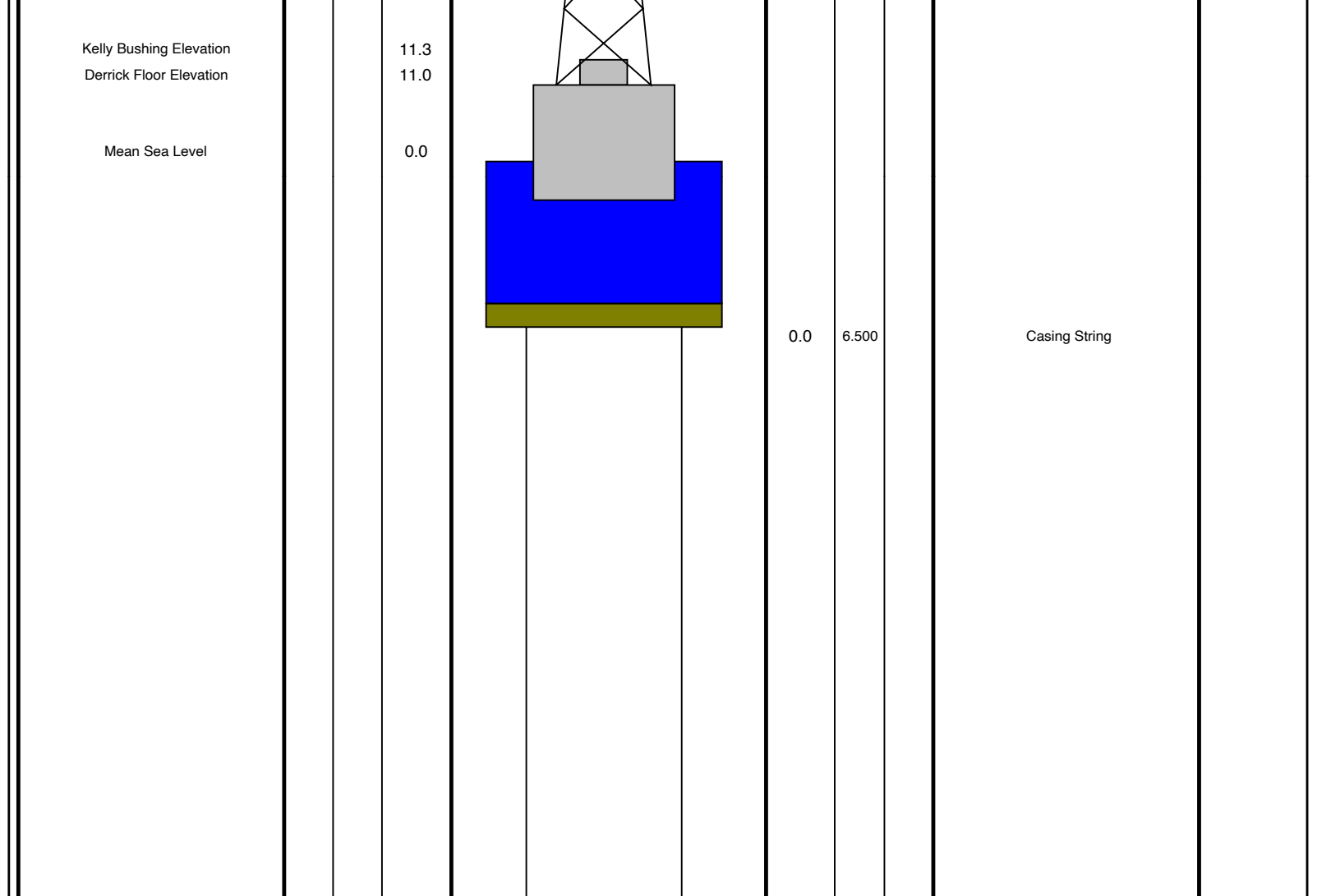
DISCLAIMER
 THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLOSURE AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1 OS1: VSI OS2: FMS OS3: DSI OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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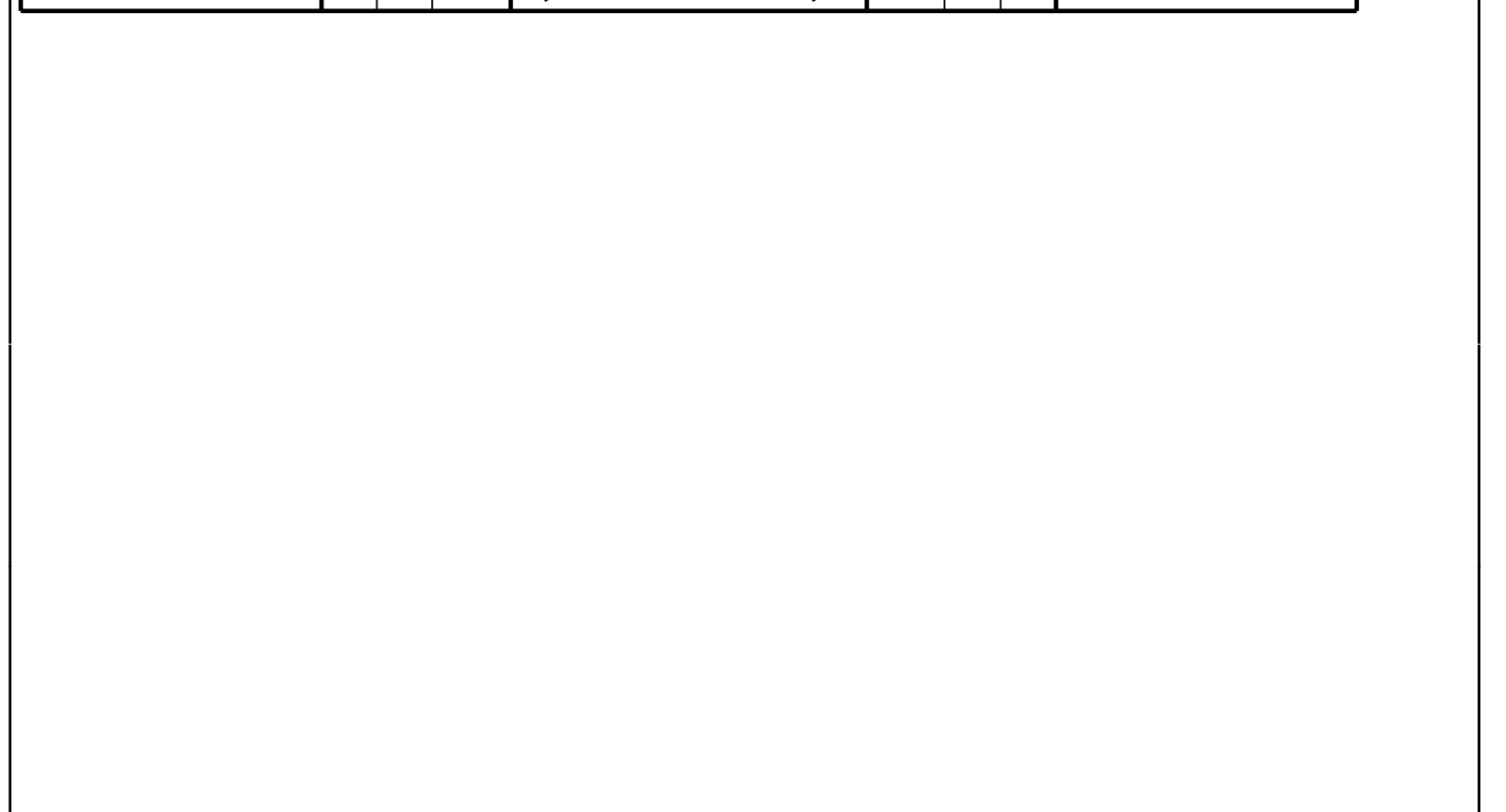
REMARKS: RUN NUMBER 1 All parameters and presentations as per IOPP standards Tool ran as per tool sketch below. Tool sat down at 1083.5 MBRF. Tool worked to 1117 MBRF before have overpull and bring tool back uphole. Unable to go back down past 1083.5 MBRF. Tool Logged from 1083.5 MBRF. 10.5 ppg mud with Barite used to fill hole. HNGS was high in interval where density had been while trying to work past 1083.5 MBRF.	REMARKS: RUN NUMBER 2
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SERVICE ORDER #: 1200-301 PROGRAM VERSION: FLUID LEVEL LOGGED INTERVAL:	SERVICE ORDER #: 1200-301 PROGRAM VERSION: FLUID LEVEL LOGGED INTERVAL:
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EQUIPMENT DESCRIPTION	
SURFACE EQUIPMENT SFT-281 6250 SFT-178 2500 GSR-U 135 WTM (DTS)-A	DOWNHOLE EQUIPMENT



MAXIMUM STRING DIAMETER 3.89 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS



Main Up Log

MAXIS Field Log

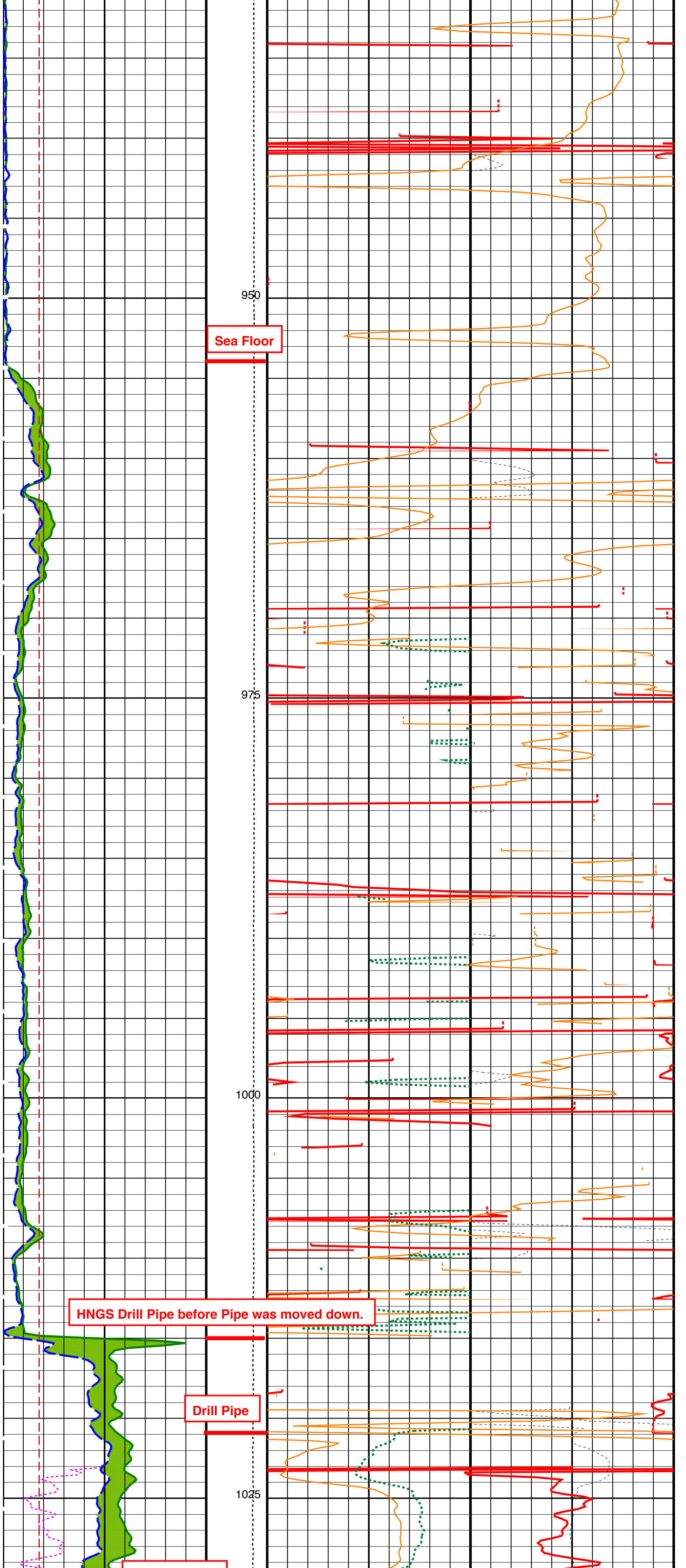
Output DLIS Files
 DEFAULT PLEMS_LDL_APS_NGS_015LUP FN:9 PRODUCER 13-Jun-2006 23:15 1081.3 M 912.3 M

OP System Version: 1200-301
 MCM

DIT-E 1200-301 GSE 1200-301 LDSC-B SPC-2602-NUCL HNGC-B SPC-2602-NUCL DTC-H 1200-301	DTA-A 1200-301 HLDS SPC-2602-NUCL APS-C SPC-2602-NUCL HNGS-BA SPC-2602-NUCL
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DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	LCAL	1046.0 23:30:20

Time Mark Every 60 S
 HNGS Spectroscopy Gamma Ray (GAP) 0-100
 APS Effective Standoff in Limestone (STOF) -4
 From HCGR to HSGR
 HNGS Computed Gamma Ray (HCGR) 0-100
 HLDS Caliper (LCAL) 0-20 (IN)
 TENS (TENS) 0-10000 (LBF)
 APS Near/Array Corrected Sandstone Porosity (APSC) 0-100 (PU)
 HLDS Bulk Density (RHOM) 2.65 (G/C3)
 HLDS Bulk Density Correction (DRH) 0-0.25 (G/C3)
 HLDS Long Spaced Photoelectric Effect (PEFL) 0-20
 HNGS Spectroscopy Gamma Ray (GAP) 0-100
 APS Effective Standoff in Limestone (STOF) -4
 From HCGR to HSGR



Time Mark Every 60 S

DLIS Name	Description	Value
DIT-E	Dual Induction - E	
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	20 DEGF
GENE	Generalized Calliper Selection	LCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DEG/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	68
BHS	Environment Measurement Sonde	OPEN
BHT	Bottom Hole Temperature (used in calculations)	20 DEGF
GENE	Generalized Calliper Selection	LCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DEG/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	68
DHC	HLDS: Hostile Litho-Density Sonde	OPEN
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1.26 G/C3
MDEN	Matrix Density	2.65 G/C3
APS-C	Accelerator-Porosity Tool	5
AASD	APS Thermal and Array Detectors High Voltage Setting	1966.03 V
ASD	APS Array Detectors Data Sources Switch	ALL
ASD	APS Far Detector High Voltage Setting	2098.58 V
ACHS	APS Holesize Correction Source	GCSE
AMT	APS Holesize Correction Switch	ON
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite
ANSD	APS Near Detector High Voltage Setting	1731.61 V
ATSC	APS Standoff Correction Switch	OFF
ATSS	APS Temperature-Pressure-Salinity Correction Switch	OFF
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	20 DEGF
DPPM	Density Porosity Processing Mode	HIRS
FSAL	Formation Salinity	3000 PPM
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DEG/F
NARC	APS Near/Array Calibration Ratio	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	1.05817
HNGS-BA	Hostile Natural Gamma Ray Sonde	68
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHT	Bottom Hole Temperature (used in calculations)	20 DEGF
CSD1	Inner Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
DCSC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Calliper Selection	LCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DEG/F
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	0.000471719
HALF	HNGS Alpha Filter Length	60 IN
HNGS	HNGS Apply Borehole Potassium Correction	NONE
HNMW	Mud Weighting Material	BAR1
HNFPE	HNGS Processing Enable	YES
S1B1	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S1B2	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
SHT	Surface Hole Temperature	68 DEGF
TPOS	Tool Position	ECO
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.984795
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.985025
BS	Bit Size	9.875 IN
BSL	Borehole Salinity	32000 PPM
CSIZ	Current Casing Size	0.00 IN
CWEI	Casing Weight	0.00 LB/F
DFD	Drilling Fluid Density	1.26 G/C3
TD	Total Depth	1155.1 M

Format: APSLiquidPorosity_1 Vertical Scale: 1:200 Graphics File Created: 13-Jun-2006 23:15

OP System Version: 1200-301
 MCM

DIT-E 1200-301 GSE 1200-301 LDSC-B SPC-2602-NUCL HNGC-B SPC-2602-NUCL DTC-H 1200-301	DTA-A 1200-301 HLDS SPC-2602-NUCL APS-C SPC-2602-NUCL HNGS-BA SPC-2602-NUCL
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Output DLIS Files
 DEFAULT PLEMS_LDL_APS_NGS_015LUP FN:9 PRODUCER 13-Jun-2006 23:15

Company: Lamont Doherty
 Well: KGGH02-A Site 5 Hole D
 Field: Krishna Godavari Basin
 Rig: Joides Resolution
 Ocean: Indian Ocean

APSHLDS Porosity
 Schlumberger