Schlumberger

Company: Integrated Ocean Drilling Program

Well: IODP Exp 308 Hole U1323A
Field: Mississippi Canyon Block 899
Rig: Joides Resolution State: Louisiana

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Field: Mississippi Canyon Block 899
Location: Ursa Basin
Well: IODP Exp 308 Hole U1323A
Company: Integrated Ocean Drilling Program

VISION Resistivity
1 : 200 Measured Depth
Recorded Mode Log

Location		Elevation	
Total depth:	1518 m	K.B.	Top Drive
Spud date:	15-Jun-2005	G.L.	-1260.5 m
Runs:	2 To 2	D.F.	10.6 m

Permanent datum: Mean Sea Level Elev.: 0 m
Log measured from: Drill Floor 10.6 m above Perm. datum
Depth reference: Driller's Depth

Service Order no.	NAD 27	Longitude	Latitude
40012055	UTM Zone 15N	W89.07252	N28.09124

Depth logged: 1271.1 m To 1511 m
Date logged: 15-Jun-05 To 16-Jun-05
Mag decl: 0.17 deg.
Mag dip: 58.29 deg.
Other services:

Bore hole record

Hole size	from	to
9.875 in.	1271.1 m	1518 m

Casing record

Size	Density	from	to

Mud record

Type	from	to
Seawater	1271.1 m	1475 m
WBM	1475 m	1518 m

Borehole deviation record

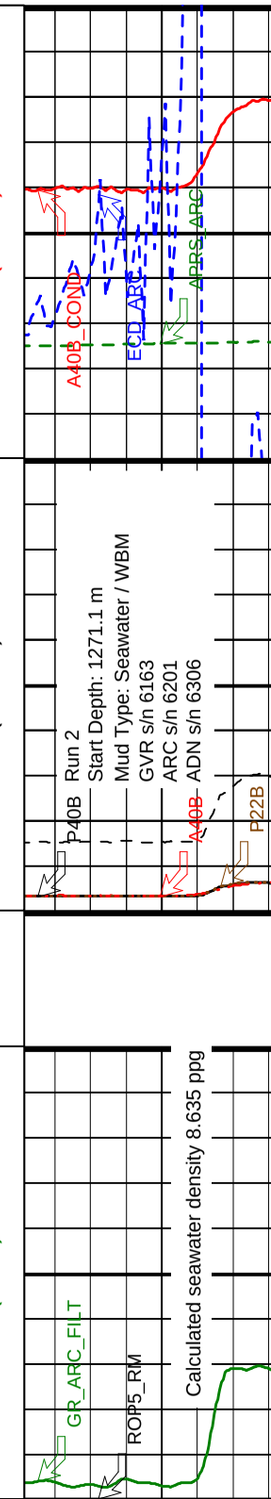
Min	Max	from	to
0.68 deg.	3.06 deg.	1271.1 m	1518 m

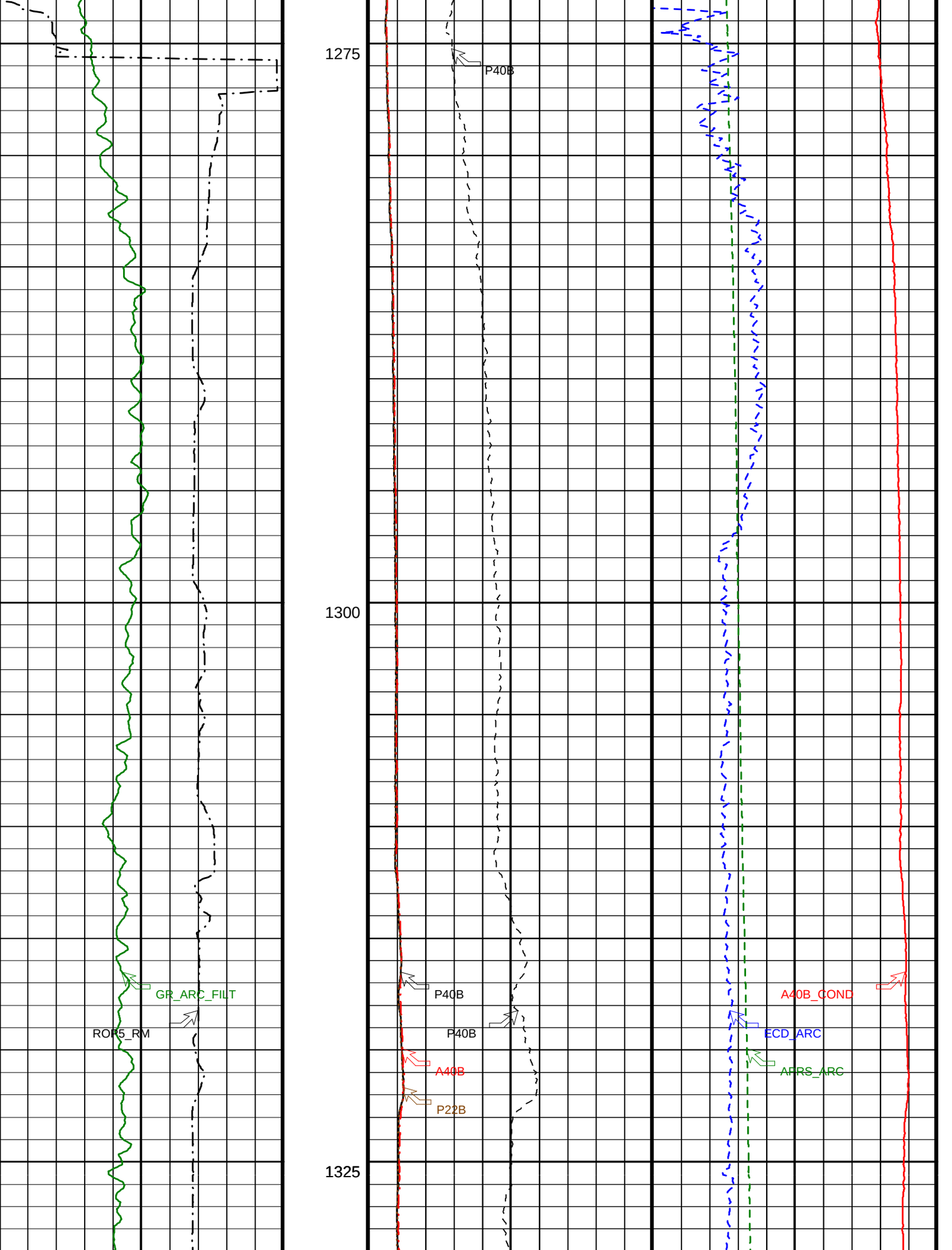
Surface equipment		Software record			
Unit	TWIS	IDEAL Wis	10_0C_04.1		
Depth system	Geolograph	SPM	10_1C_05		
		LWD	See Remarks		
		MWD	8.0c00		

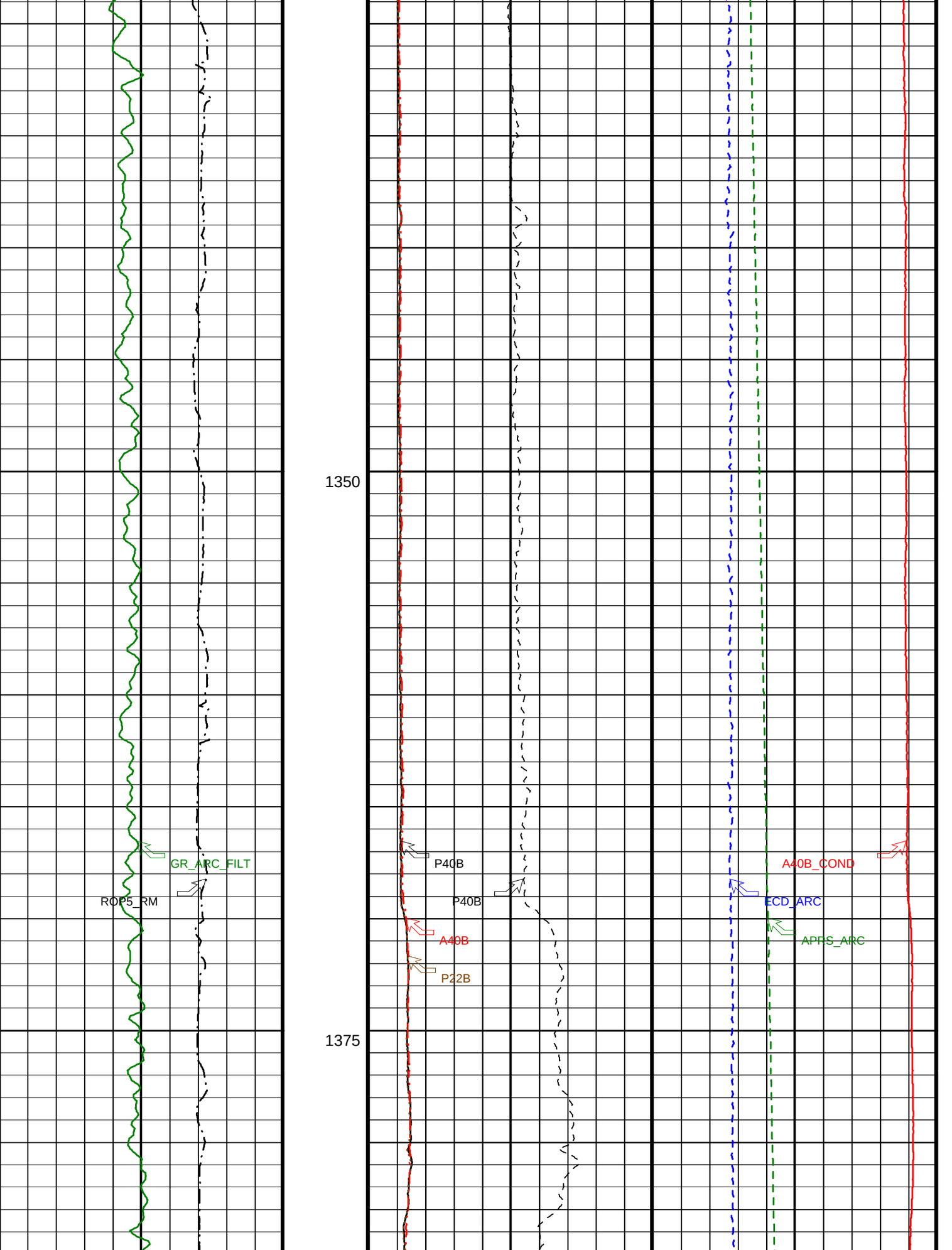
IDEAL Version: ID10_0C_04
IDF

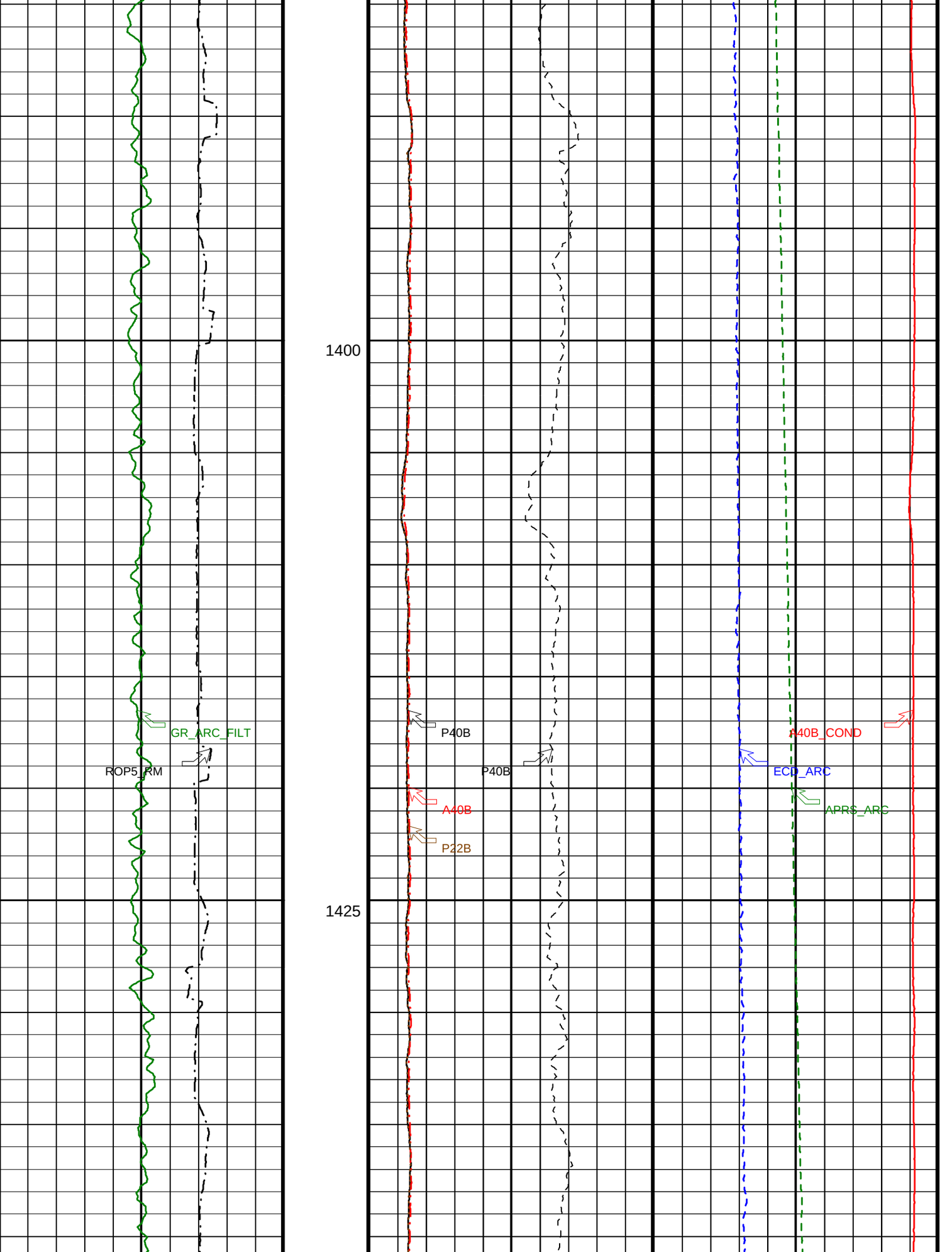
Format: VRes_1MD Vertical Scale: 1:200 Graphics File Created: 01-Jul-2005 01:46

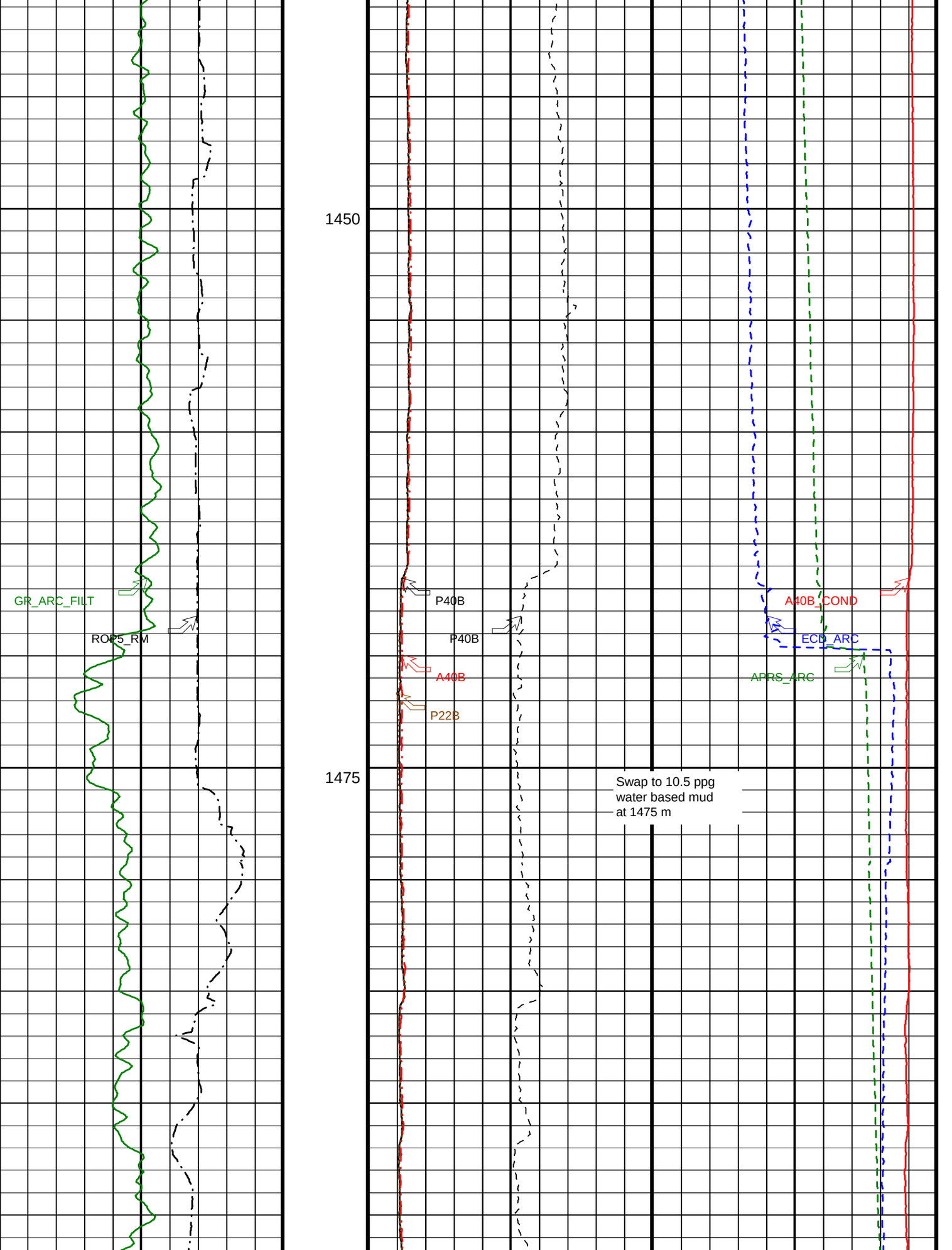
ARC Blended Phase-Shift Resistivity 22-in. (P22B) (OHMM) 0 10
ARC Blended Attenuation Resistivity 40-in. (A40B) (OHMM) 0 10
Annulus Pressure (APRS_ARC) (PSI) 1600 2600
Equivalent Circulating Density (ECD_ARC) (LB/G) 6 16
ARC Blended Attenuation Conductivity 40-in. (A40B_COND) (MM/M) 8000 0
ARC Amplified Blended Phase-Shift Resistivity 40-in (P40B) (OHMM) 0 2
ARC Blended Phase-Shift Resistivity 40-in. (P40B) (OHMM) 0 10
Rate of Penetration, Averaged over Last 5ft (ROP5_RM) (M/HR) 100 0
ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT) (GAPI) 0 150

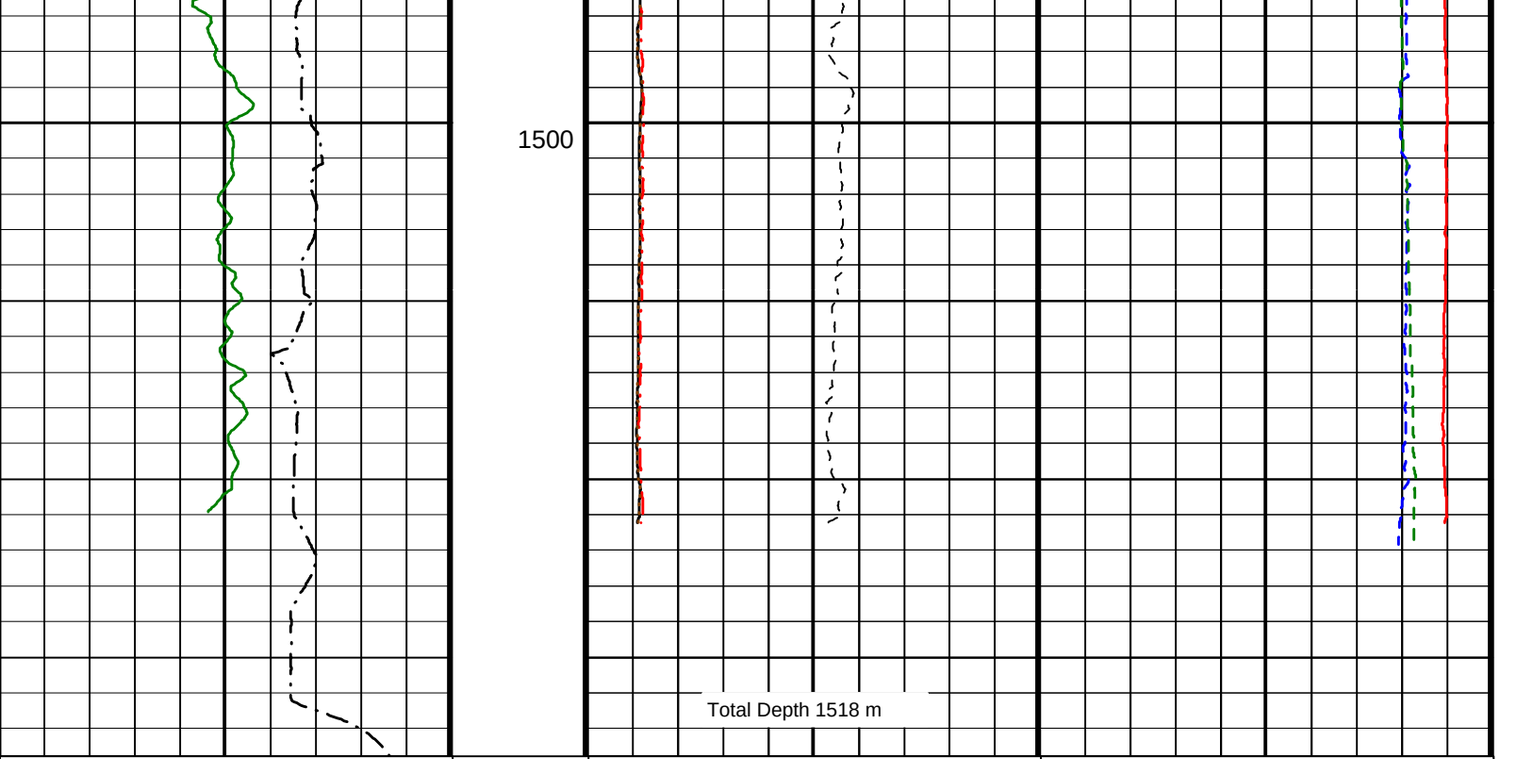



1275
1300
1325
P40B
GR_ARC_FILT
ROP5_RM
P40B
P40B
A40B
P22B
A40B_COND
ECD_ARC
AFRS_ARC


1350
1375
GR_ARC_FILT
ROP5_RM
P40B
P40B
A40B
P22B
A40B_COND
ECD_ARC
APRS_ARC


1400
1425
GR_ARC_FILT
ROP5_RM
P40B
P40B
A40B
P22B
A40B_COND
ECD_ARC
APRS_ARC


1450
1475
GR_ARC_FILT
ROP5_RM
P40B
P40B
A40B
P22B
A40B_COND
ECD_ARC
APRS_ARC
Swap to 10.5 ppg
water based mud
at 1475 m



ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT)			ARC Blended Phase-Shift Resistivity 40-in. (P40B)			ARC Blended Attenuation Conductivity 40-in. (A40B_COND)		
0	(GAPI)	150	0	(OHMM)	10	8000	(MM/M)	0
Rate of Penetration, Averaged over Last 5ft (ROP5_RM)			ARC Amplified Blended Phase-Shift Resistivity 40-in (P40B)			Equivalent Circulating Density (ECD_ARC)		
100	(M/HR)	0	0	(OHMM)	2	6	(LB/G)	16
			ARC Blended Attenuation Resistivity 40-in. (A40B)			Annulus Pressure (APRS_ARC)		
			0	(OHMM)	10	1600	(PSI)	2600
			ARC Blended Phase-Shift Resistivity 22-in. (P22B)					
			0	(OHMM)	10			

IDEAL Version: ID10_0C_04
IDF

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Survey report 28-Jun-2005 22:48:29 Page 1 of 2

Client.....: Integrated Ocean Drilling Program
Field.....: Mississippi Canyon Block 899

Well.....: IODP Exp 308 Hole U1323A Spud date.....: 15-Jun-05
Site.....: Ursa Basin Last survey date.....: 16-Jun-05
Engineer.....: Hoong, K. Total accepted surveys...: 7
MD of first survey.....: 1271.10 m
Rig:.....: Joides Resolution MD of last survey.....: 1518.00 m
State:.....: Louisiana

----- Survey calculation methods---------- ----- Geomagnetic data ----------
Method for positions.....: Minimum curvature Magnetic model.....: BGGM version 2004
Method for DLS.....: Mason & Taylor Magnetic date.....: 15-Jun-2005
Magnetic field strength..: 949.24 HCNT
----- Depth reference ---------- Magnetic dec (+E/W-).....: 0.17 degrees
Permanent datum.....: Mean Sea Level Magnetic dip.....: 58.29 degrees
Depth reference.....: Driller's Depth
GL above permanent.....: -1260.50 m ----- MWD survey Reference Criteria ---------
KB above permanent.....: Top Drive Reference G.....: 999.17 mGal
DF above permanent.....: 10.60 m Reference H.....: 949.24 HCNT
Reference Dip.....: 58.29 degrees
----- Vertical section origin---------- Tolerance of G.....: (+/-) 2.50 mGal
Latitude (+N/S-).....: 0.00 m Tolerance of H.....: (+/-) 6.00 HCNT
Departure (+E/W-).....: 0.00 m Tolerance of Dip.....: (+/-) 0.45 degrees

Departure (+E/W-).....: 0.00 m Tolerance of Dip..... (+/-) 0.45 degrees

----- Platform reference point---------- ----- Corrections ----------
Latitude (+N/S-).....: 0.00 m Magnetic dec (+E/W-).....: 0.17 degrees
Departure (+E/W-).....: 0.00 m Grid convergence (+E/W-).: -0.98 degrees
Total az corr (+E/W-)....: 1.15 degrees
Azimuth from Vsect Origin to target: 0.00 degrees (Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
----- Coordinate System---------- I=Sag Corrected Inclination
Geodetic Datum.....: NAD 27 M=Schlumberger Magnetic Correction
Projection Identification: UTM Zone 16 N S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (deg)	At Azim (deg/ 10m)	DLS type	Srvy Tool Corr (deg)
1	1271.10	0.00	0.00	0.00	1271.10	0.00	0.00	0.00	0.00	0.00	TIP	None
2	1293.50	3.06	270.73	22.40	1293.49	0.01	0.01	-0.60	0.60	270.73	1.37	MWD None
3	1342.00	1.35	264.60	48.50	1341.95	-0.03	-0.03	-2.46	2.46	269.31	0.36	MWD None
4	1370.70	0.75	259.09	28.70	1370.65	-0.10	-0.10	-2.98	2.98	268.14	0.21	MWD None
5	1399.70	0.68	257.14	29.00	1399.64	-0.17	-0.17	-3.34	3.34	267.06	0.03	MWD None
6	1502.10	1.70	159.81	102.40	1502.03	-1.73	-1.73	-3.40	3.82	243.03	0.19	MWD None
7	1518.00	1.70	159.81	15.90	1517.92	-2.17	-2.17	-3.24	3.90	236.14	0.00	Proj to TD

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Well: IODP Exp 308 Hole U1323A
Field: Mississippi Canyon Block 899
Rig: Joides Resolution
State: Louisiana

VISION Resistivity
1 : 200 Measured Depth
Recorded Mode Log