

State: **Victoria**

Rig: ISDL 453 Field: Tuna Location: Bass Strait Well: TNA A-10A ST Company: ESSO Australia Ltd Pty	GeoVISION* Resistivity 1:200 Measured Depth Recorded Mode Data						
	Location	Total depth: 2243 m			Elevation	K.B.	31.32 m
		Spud date: 5-Oct-2002				G.L.	-59.4 m
		Runs: 2 To 2				D.F.	31.32 m
		Permanent datum: Mean Sea Level			Elev.:	59.4 m	
		Log measured from: Drill Floor			31.32 m above Perm. datum		
	Depth reference: Driller's Depth						
	API serial no.		Y = 5,774,222.491 m N X = 624,224.990 m E		Longitude Latitude		
					E 148° 25' 5.413" S 38° 10' 16.394"		
	Depth logged: 1948.9 m To 2231.4 m		Mag decl: 13.166 deg.		Other services:		
Date logged: 15-Oct-02 To 16-Oct-02		Mag dip: -68.686 deg.		D & I, Directional Drilling			
Bore hole record			Casing record				
Hole size	from	to	Size	Density	from	to	
8 1/2 in.	661.1 m	2243.0 m	20 in.	285 lbm/m	0.0 m	155.0 m	
			13 3/8 in.	226 lbm/m	0.0 m	647.0 m	
			9 5/8 in.	154 lbm/m	617.0 m	661.1 m	
Mud record			Borehole deviation record				
Type	from	to	Min	Max	from	to	
KCI/PHPA/Glycol	661.1 m	2243.0 m	37.4 deg.	42.5 deg.	646.4 m	1015.5 m	
			42.5 deg.	60.9 deg.	1015.5 m	1218.5 m	
			60.9 deg.	68.7 deg.	1218.5 m	1796.9 m	
			54.1 deg.	68.7 deg.	1796.9 m	2243.0 m	
Surface equipment		Software record					
Unit	OLU-FB-924	IDEAL Wis	ID7_0C_02r				
Depth system	PDA-AB	SPM	HSPM7_0C_10a				
		LWD	See Toolsketch				
		MWD	See Toolsketch				

# Bit Run Summary

[illegible]

Type	KCl/Phpa/Glycol										
Mud weight	lb/gal	10.25									
Solids	%	9.4									
Chlorides	mg/L	40,500									
Rm	ohm-m@°C	0.125@21.5									
Rmf	ohm-m@°C	0.231@22.0									
Rmc	ohm-m@°C	0.104@20.8									
Potassium	%	4									
<b>Environmental data</b>											
<b>GR</b>											
Mud weight	lb/gal	10.25									
Bit size	in.	8.5									
<b>Resistivity</b>											
<b>Neutron porosity</b>											
Hole Size	in.	8.5									
Mud weight	lb/gal	10.25									
Temperature	°C	68.5									
Mud salinity	ppk	66.825									
Formation salinity											
Recording rate 1	SEC	10									
Recording rate 2	SEC	10									
Filtering GR		3 pt									
Filtering density		3 pt									
Filtering Neutron		3 pt									
Company representative	B. Steel	B. Woodward									
Anadrill personnel	L. Bon	J. Dolan	K. Handley								

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OTHER SERVICES FOR RUN2 D & I Directional Drilling	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 2 All data presented is from tool memory.  GR corrected for mud weight, tool and bit size.  GVR6* resistivity is corrected for the bit size, mud resistivity and borehole temperature.  Bottom quadrant density is presented. Neutron porosity is calculated with a limestone matrix and is corrected for the bit size, borehole salinity, temperature and mud hydrogen index.  Mud type is water-based KCl/PHPA/Glycol. Barite was present in the mud system.	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

GVR6\* downhole software: 6.1B14  
ADN6\* downhole software: 6.2B08

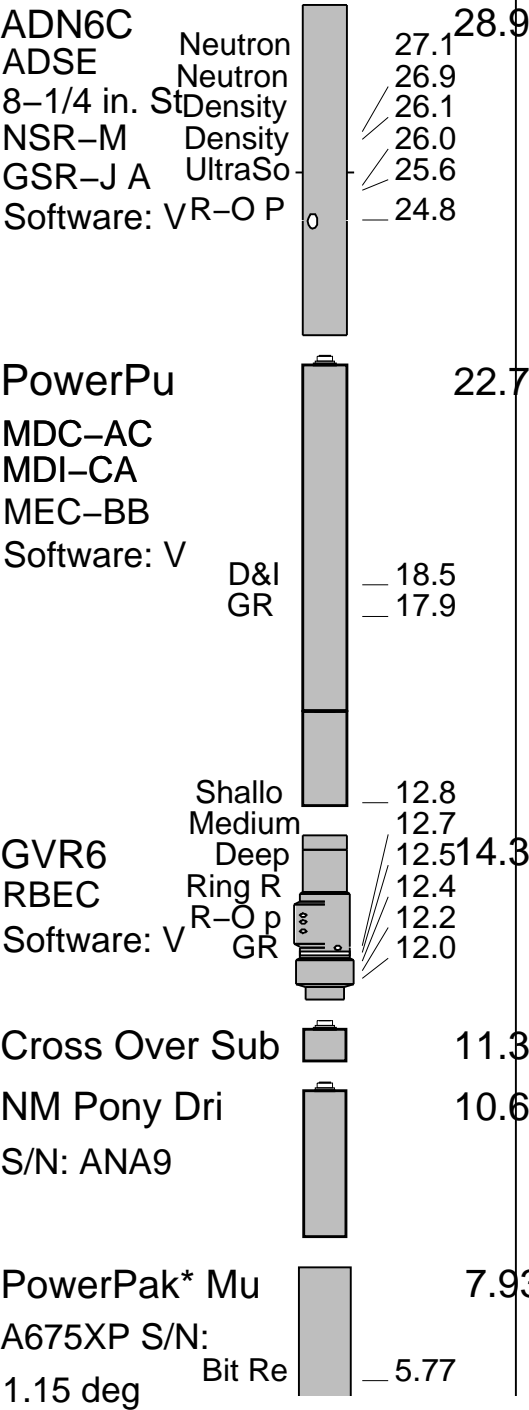
EQUIPMENT DESCRIPTION

RUN2


RUN

RUN

DOWNHOLE EQ



1.15 deg Bit Re 5.77



Security T 0.00 0.24

XS30D S/N:

MAXIMUM STRING DI

ALL LENGTHS I

## IDEAL Version: ID7\_0C\_02

IDF

RAB IDEAL Version: ID7\_0C\_02 MWD\_10 IDEAL Version: ID7\_0C\_02

ADN IDEAL Version: ID7\_0C\_02

Format: TNA A-10A GeoVISION Resistivity Vertical Scale: 1:200 Graphics File Created: 18-Oct-2002 06:24

### Parameters

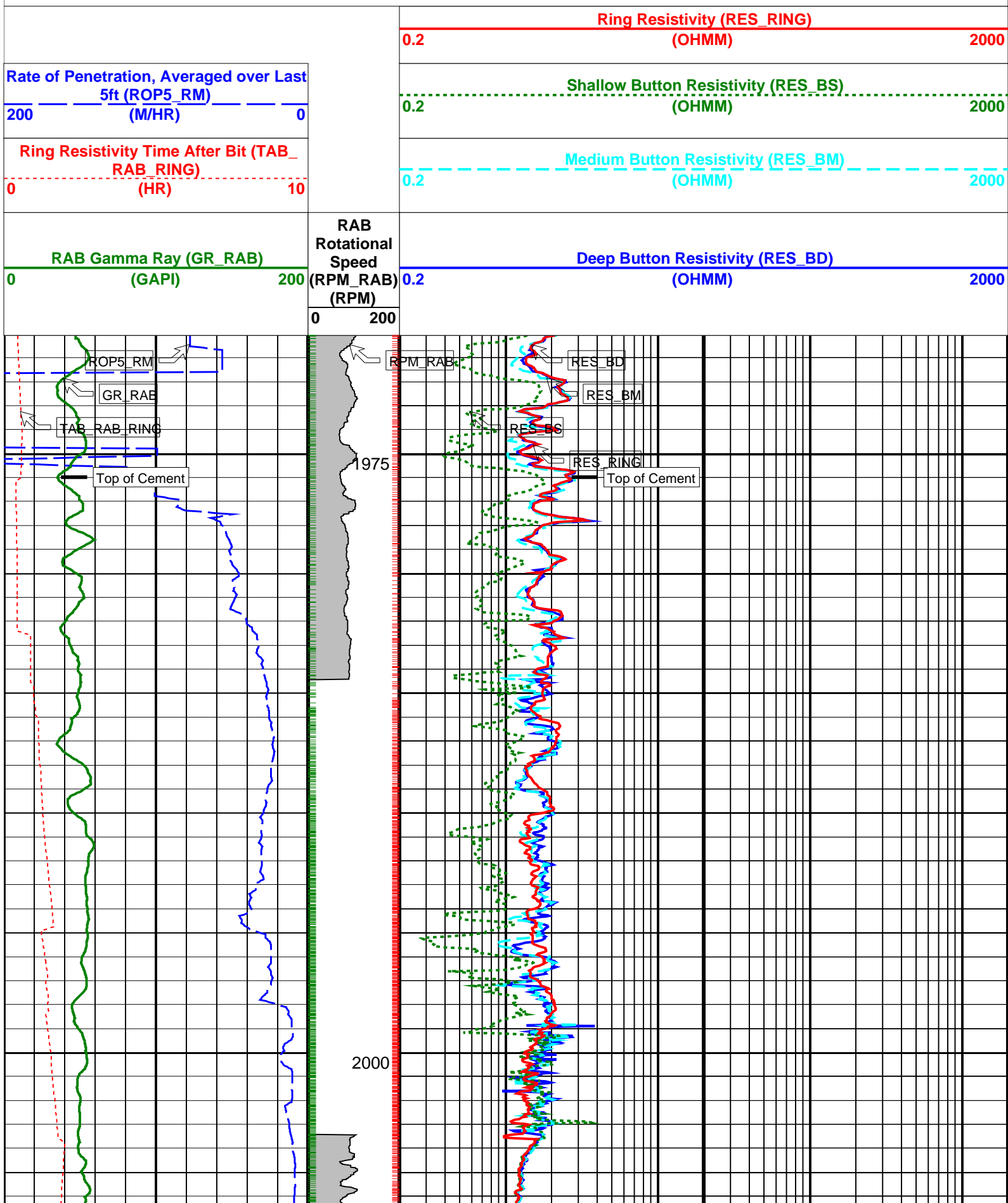
DLIS Name	Description	Value
BDBHCA	RAB: Button Deep Borehole A Factor	0.004
BDBHCB	RAB: Button Deep Borehole B Factor	0.000
BHA_COEF_VER	RAB: BHA Coef Generator Version	62012.0
BITBHCA	RAB: Bit A Borehole Factor	0.058
BITBHCB	RAB: Bit B Borehole Factor	0.000
BIT_K_FACTOR	RAB: Bit K Factor	14.966
BMBHCA	RAB: Button Medium Borehole A Factor	0.023
BMBHCB	RAB: Button Medium Borehole B Factor	0.000
BSBHCA	RAB: Button Shallow Borehole A Factor	0.022
BSBHCB	RAB: Button Shallow Borehole B Factor	0.000
BS_RM	Bit Size (RM)	8.500 in
BUT_KIMP_A	RAB: Button Impedance Coeff A	0.000
BUT_KIMP_B	RAB: Button Impedance Coeff B	0.000
DBUTTON_K_FACTOR	RAB: Button Deep K factor	0.005
DHS_VERSION	RAB: DownHole Software Version	6.101
DO	Depth Offset	0.0 m
GRDC	Grid corr angle	-0.880 deg
MBUTTON_K_FACTOR	RAB: Button Medium K Factor	0.005
MST_RM	Mud Sample temperature (RM)	70.700 degF
MW_RM	Mud Weight (RM)	10.250 lbm/gal
OBM	RAB: Oil base Mud	NO
RABEC	RAB: Resistivity Env-Cor	YES
RAB_TEMP_SELECT	RAB Temperature Selection	MEAS
READOUT_PORT_MP	RAB: ROP to Bit Face Distance	12.280 m
RINGBHCA	RAB: Ring Borehole A Factor	0.159
RINGBHCB	RAB: Ring Borehole B Factor	0.000
RING_KIMP_A	RAB: Ring Impedance Coeff A	0.000
RING_KIMP_B	RAB: Ring Impedance Coeff B	0.000
RING_K_FACTOR	RAB: Ring K Factor	0.153
RMS_RM	Resistivity of Mud Sample (RM)	0.125 ohm.m
SBUTTON_K_FACTOR	RAB: Button Shallow K Factor	0.007
STAB	RAB: Run with Stabilizer	YES
TOOLTYPE	RAB: Azimuthal Tool	YES
TS_VERSION	RAB: ToolScope Software Version	6.101
VRAB6	Rab Tool type (ENP/PILOT)	RAB6_C_SERIES

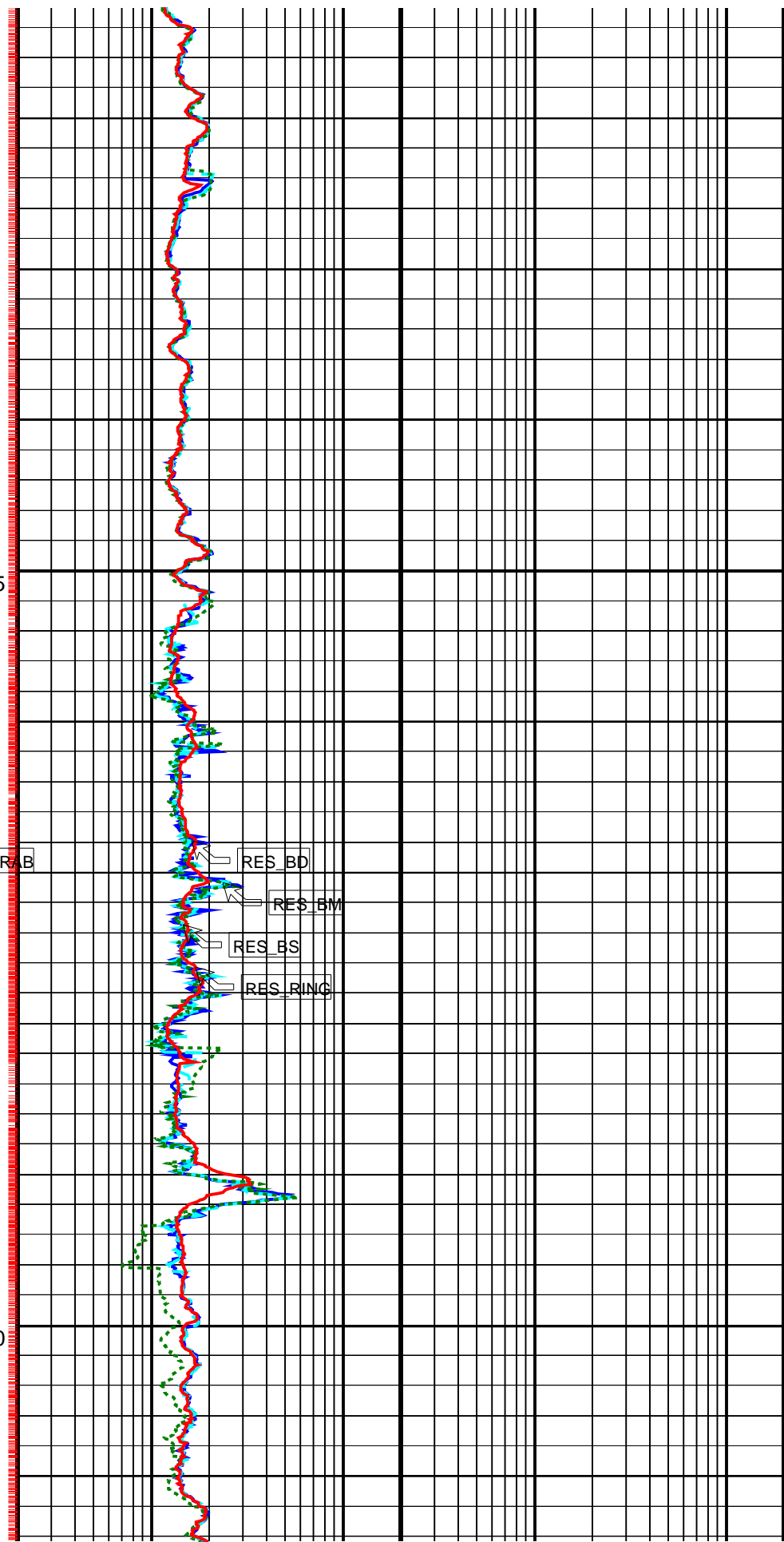
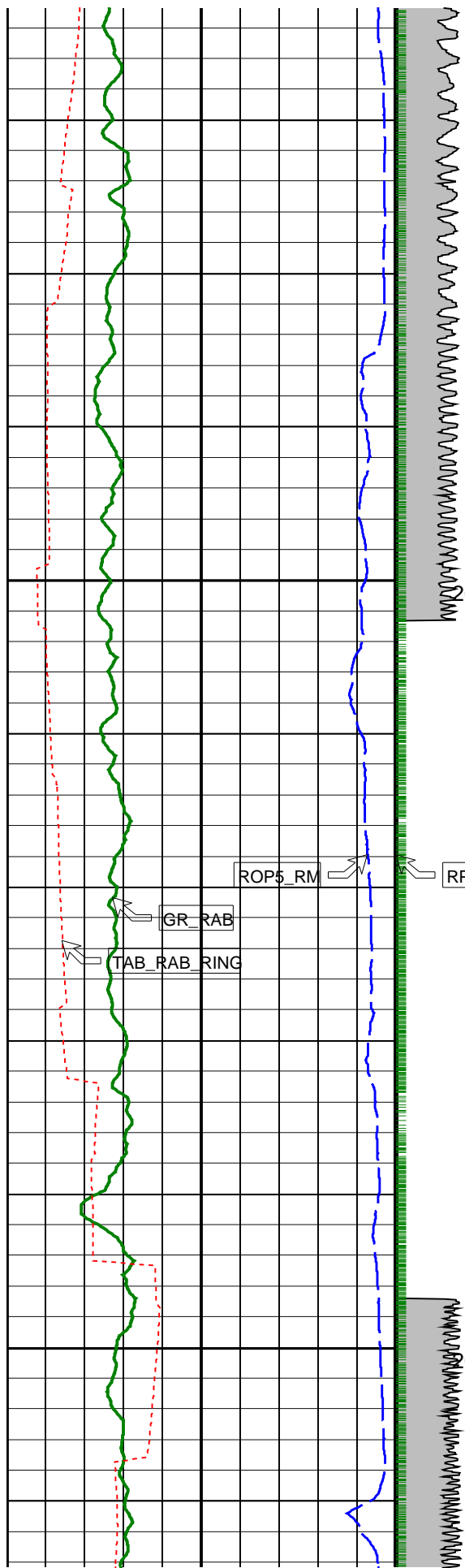
### PIP SUMMARY

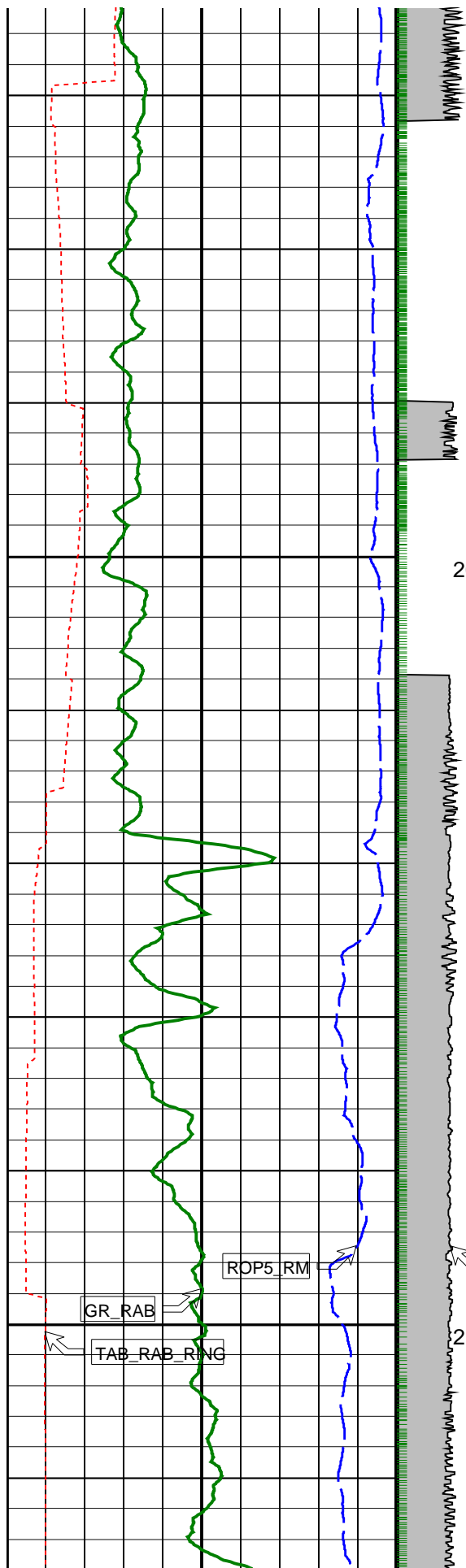
└ Gamma Ray Samples

└ Ring Samples

Ring Samples

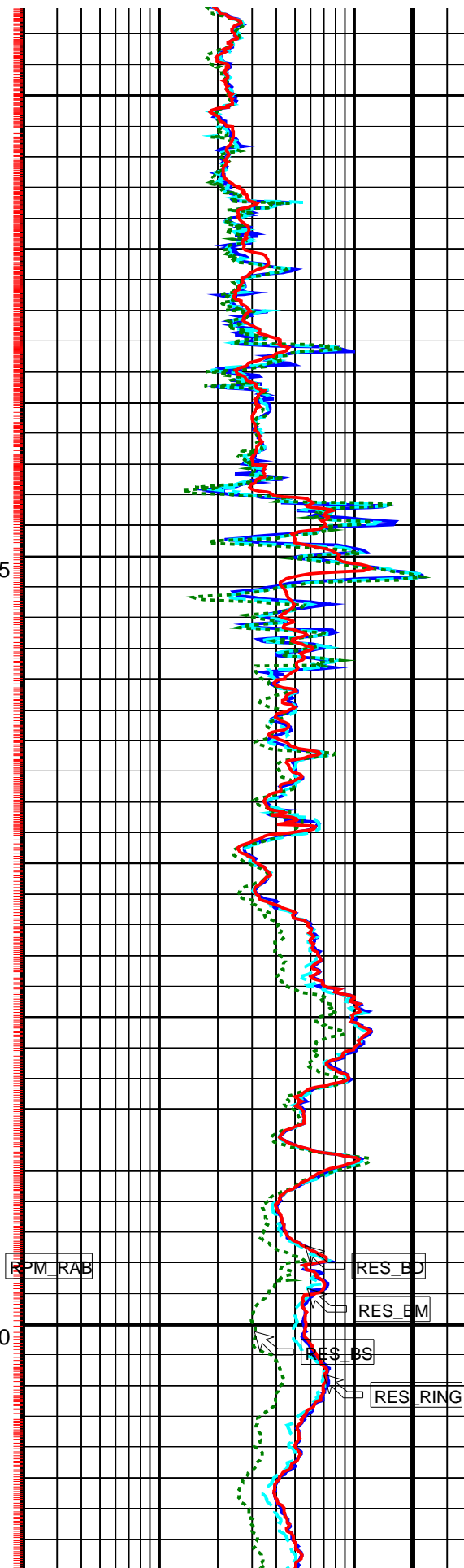


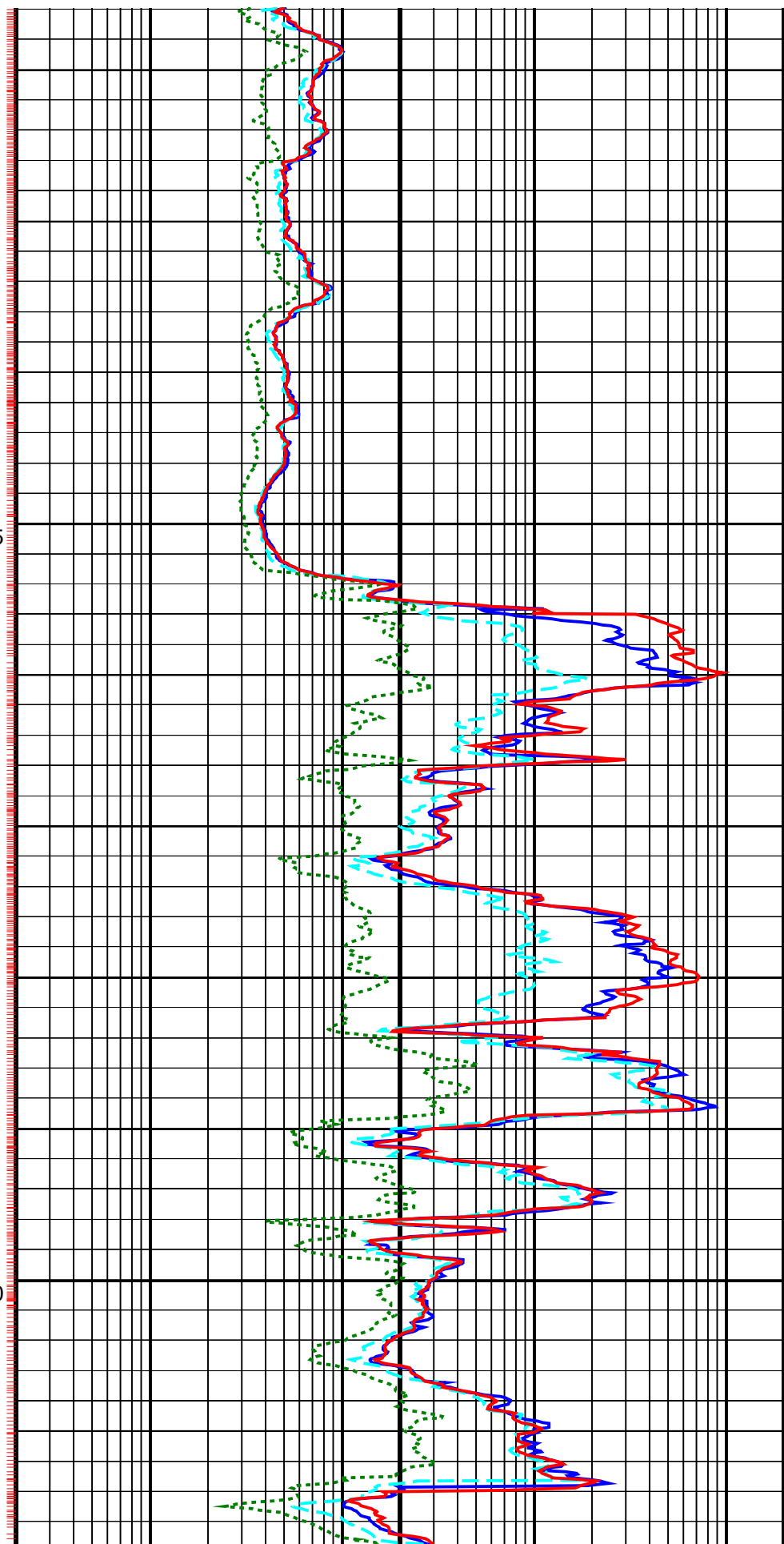
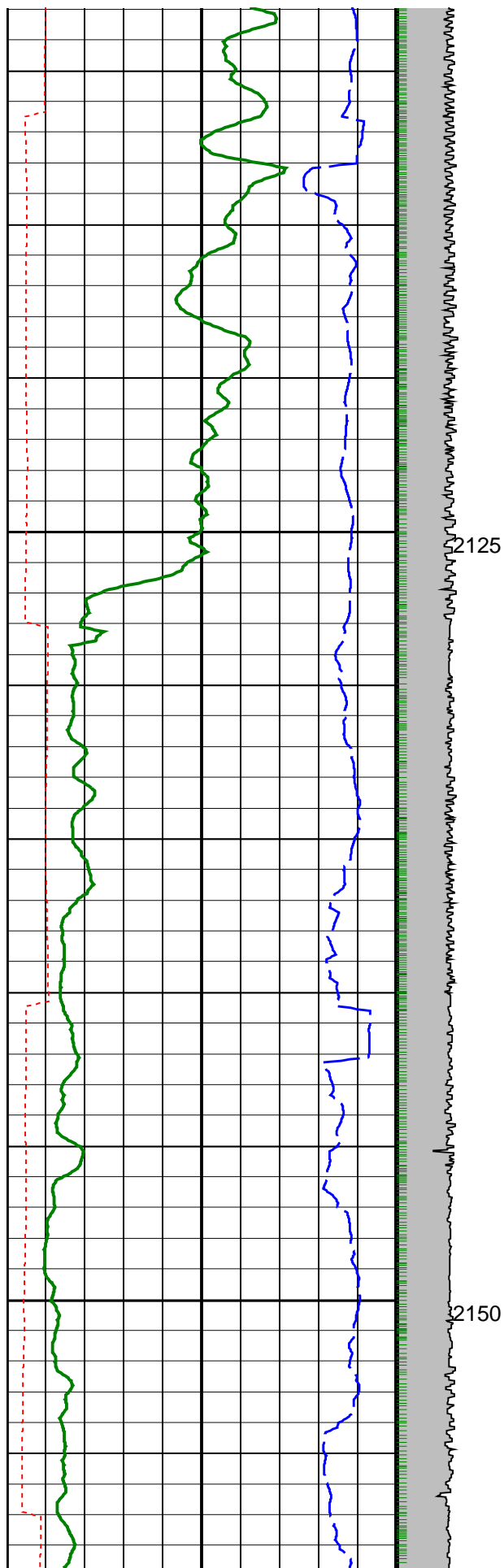


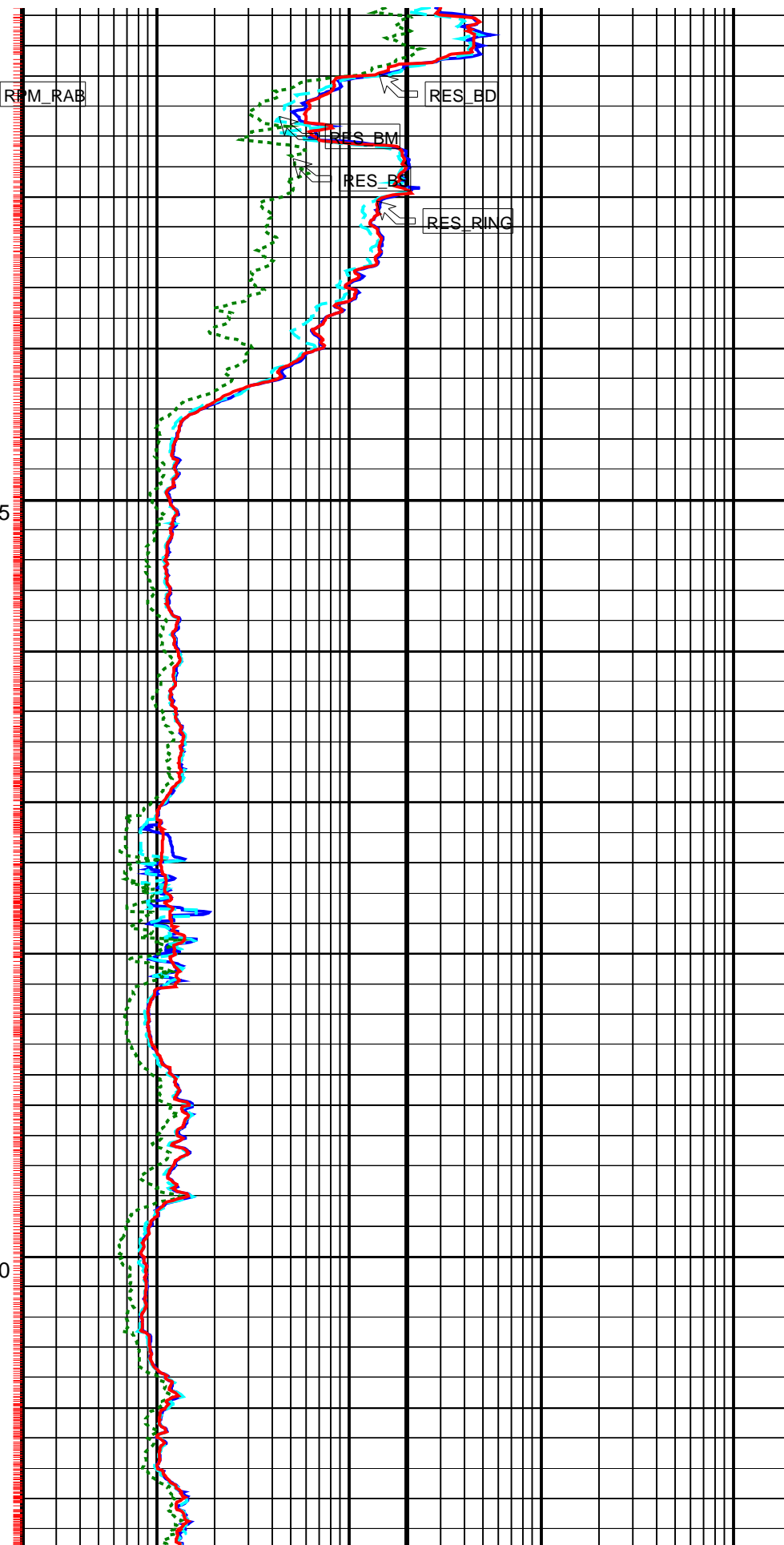
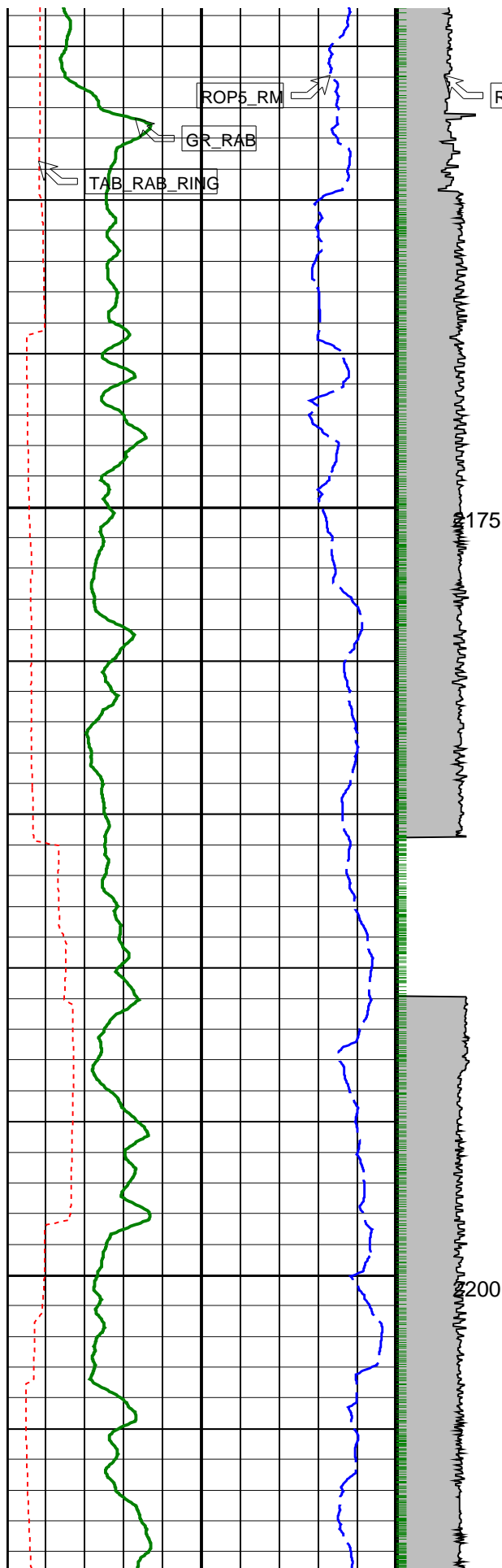


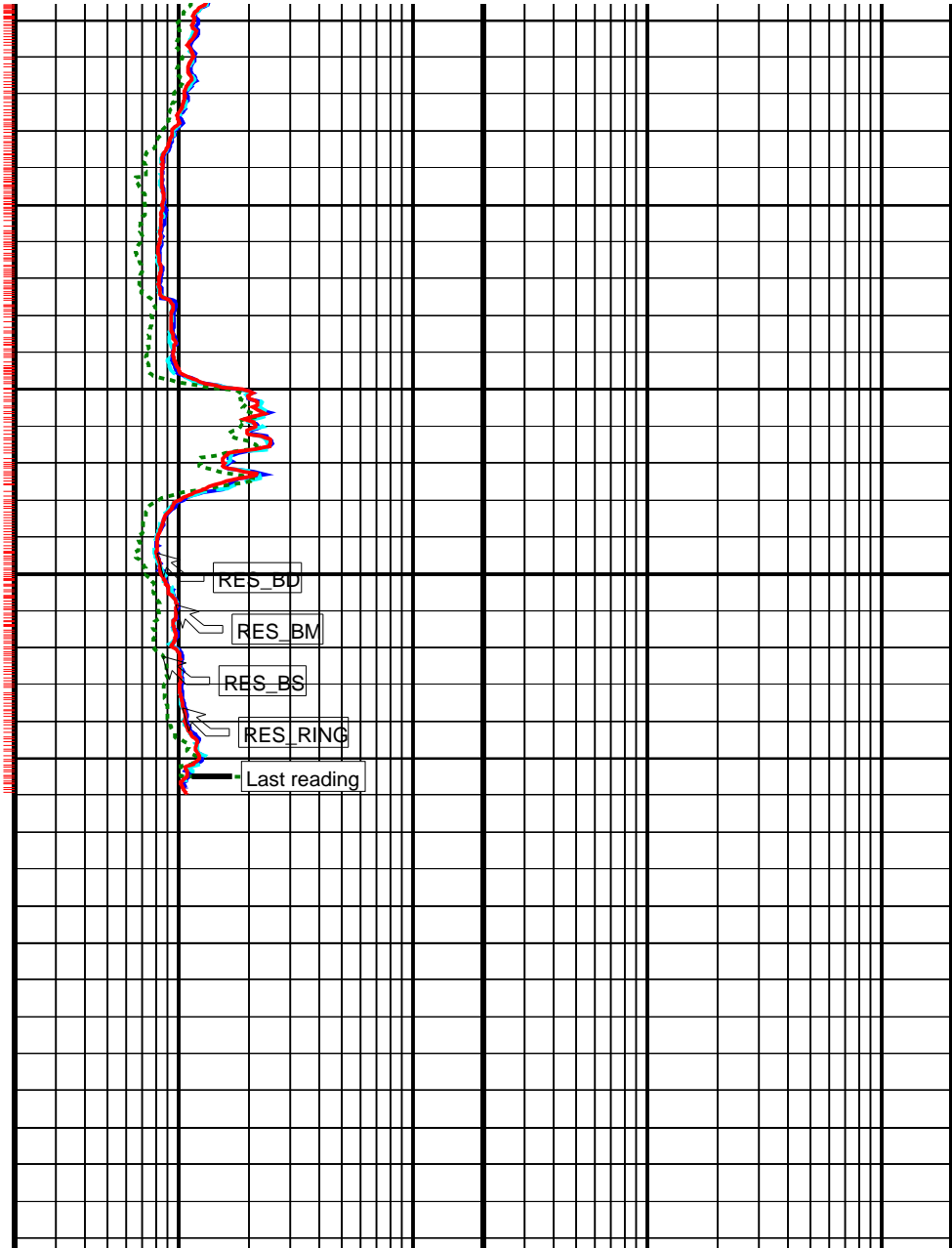
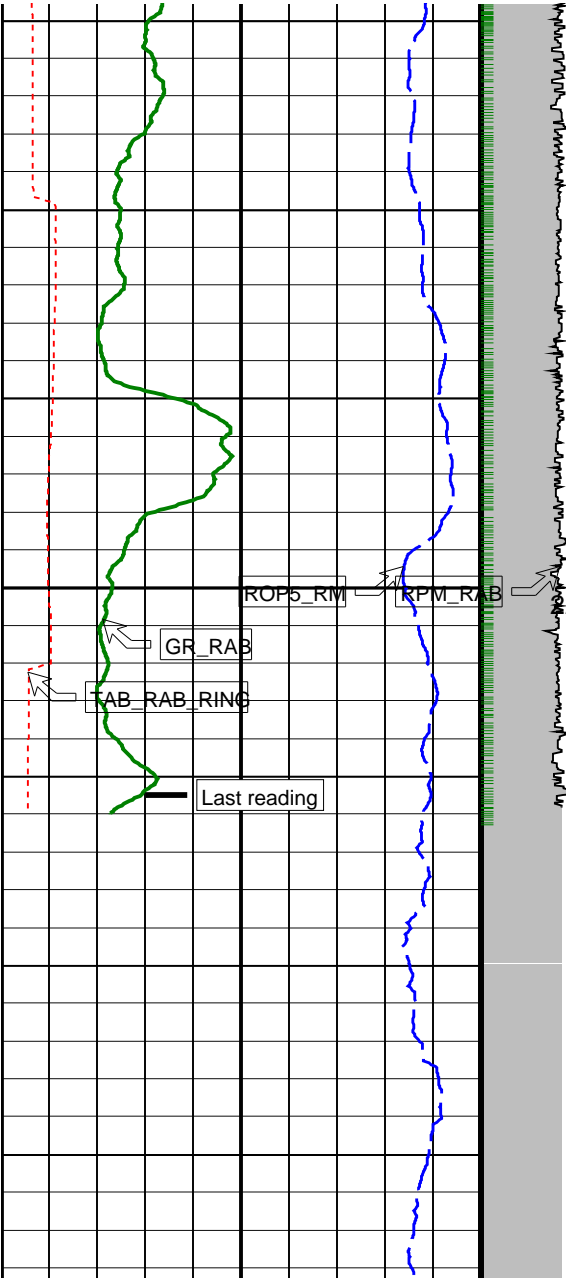
2075

2100









RAB Gamma Ray (GR_RAB)		
0	(GAPI)	200
Ring Resistivity Time After Bit (TAB_RAB_RING)		
0	(HR)	10
Rate of Penetration, Averaged over Last 5ft (ROP5_RM)		
200	(M/HR)	0

RAB
Rotational
Speed
(RPM_RAB)
(RPM)
0
200

Deep Button Resistivity (RES_BD)		
0.2	(OHMM)	2000
Medium Button Resistivity (RES_BM)		
0.2	(OHMM)	2000
Shallow Button Resistivity (RES_BS)		
0.2	(OHMM)	2000
Ring Resistivity (RES_RING)		
0.2	(OHMM)	2000

PIP SUMMARY	
┆	Gamma Ray Samples
┆	Ring Samples

# IDEAL Version: ID7\_0C\_02

IDF

RAB  
ADN

IDEAL Version: ID7\_0C\_02  
IDEAL Version: ID7\_0C\_02

MWD\_10

IDEAL Version: ID7\_0C\_02

## 6.75-in. Azimuthal Density Neutron / Equipment Identification




Primary Equipment:  
Tool Name and Serial Number  
Collar Type and Serial Number  
Chassis Type and Serial Number  
Stabilizer Type and Serial Number  
Neutron Logging Source  
Density Logging Source  
Stabilizer Size  
Calibration Status

ADN6C\* S/N: 289  
ADDC - AA  
ADSE - EA  
Clamp-On Stabilizer  
NSR-M S/N: A161  
GSB-J S/N: A2125  
8.25 - in.  
Valid

Master: 20-Aug-2002 12:00

### 6.75-in. Azimuthal Density Neutron Calibration

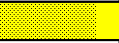
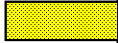
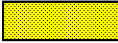
#### Density: Magnesium Block

Phase	LS window 3 - Mg CPS	Value	Phase	SS window 1 - Mg CPS	Value	Phase	SS window 3 - Mg CPS	Value
Master		1286	Master		2974	Master		7375
	250.0 (Minimum) 4125 (Nominal) 8000 (Maximum)			700.0 (Minimum) 9350 (Nominal) 18000 (Maximum)			2500 (Minimum) 23750 (Nominal) 45000 (Maximum)	

Master: 20-Aug-2002 12:00

### 6.75-in. Azimuthal Density Neutron Calibration




#### Density: Aluminum Block

Phase	LS window 3 - Al CPS	Value	Phase	SS window 1 - Al CPS	Value	Phase	SS window 3 - Al CPS	Value
Master		199.3	Master		1579	Master		4746
	50.00 (Minimum) 725.0 (Nominal) 1400 (Maximum)			500.0 (Minimum) 4250 (Nominal) 8000 (Maximum)			1500 (Minimum) 15750 (Nominal) 30000 (Maximum)	

Master: 20-Aug-2002 12:00

### 6.75-in. Azimuthal Density Neutron Calibration



#### Density: Background

Phase	LS window 3 - Background CPS	Value	Phase	SS window 1 - Background CPS	Value	Phase	SS window 3 - Background CPS	Value
Master		51.89	Master		125.3	Master		546.5
	15.00 (Minimum) 82.50 (Nominal) 150.0 (Maximum)			40.00 (Minimum) 220.0 (Nominal) 400.0 (Maximum)			150.0 (Minimum) 825.0 (Nominal) 1500 (Maximum)	

Master: 20-Aug-2002 12:00

### 6.75-in. Azimuthal Density Neutron Calibration







#### Density: Water Block Check













Phase	Long spacing water density G/C3	Value	Phase	Short spacing water density G/C3	Value
Master		1.034	Master		1.130
	1.015 (Minimum) 1.030 (Nominal) 1.045 (Maximum)			1.095 (Minimum) 1.120 (Nominal) 1.145 (Maximum)	



Master: 20-Aug-2002 12:00

### 6.75-in. Azimuthal Density Neutron Calibration

#### Neutron: Water Tank

Phase	Far 1 tube 1 gain	Value	Phase	Far 1 tube 1 offset CPS	Value
Master		1.102	Master		-0.8340
	0.9000 (Minimum) 1.100 (Nominal) 1.300 (Maximum)			-1.200 (Minimum) -0.9000 (Nominal) -0.6000 (Maximum)	
Phase	Far 1 tube 2 gain	Value	Phase	Far 1 tube 2 offset CPS	Value
Master		1.048	Master		-0.9090
	0.9000 (Minimum) 1.100 (Nominal) 1.300 (Maximum)			-1.200 (Minimum) -0.9000 (Nominal) -0.6000 (Maximum)	
Phase	Far 1 tube 3 gain	Value	Phase	Far 1 tube 3 offset CPS	Value
Master		1.071	Master		-0.7690

Master		1.071	Master		-0.7690
0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)	-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)
Phase	Far 2 tube 1 gain	Value	Phase	Far 2 tube 1 offset CPS	Value
Master		1.107	Master		-0.7220
0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)	-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)
Phase	Far 2 tube 2 gain	Value	Phase	Far 2 tube 2 offset CPS	Value
Master		1.000	Master		-0.8370
0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)	-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)
Phase	Far 2 tube 3 gain	Value	Phase	Far 2 tube 3 offset CPS	Value
Master		1.108	Master		-0.7300
0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)	-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)
Phase	Near 1 tube 1 gain	Value	Phase	Near 1 tube 1 offset CPS	Value
Master		1.088	Master		0
0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)	-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)
Phase	Near 2 tube 1 gain	Value	Phase	Near 2 tube 1 offset CPS	Value
Master		1.062	Master		0
0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)	-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)

Master: Calibration date not found					
6.75-in. Azimuthal Density Neutron Calibration					
Neutron: Water Block Check					
Phase	Far Neutron water porosity V/V	Value	Phase	Near Neutron water porosity V/V	Value
Master		1.000	Master		1.000
0.9000 (Minimum)	1.000 (Nominal)	1.150 (Maximum)	0.9000 (Minimum)	1.000 (Nominal)	1.150 (Maximum)

6.75-in. Resistivity At-the-Bit / Equipment Identification










Primary Equipment:




Tool Name and Serial Number


GVR6\* S/N: 160

Calibration Status

Valid

Master: 11-Sep-2002 12:00											
6.75-in. Resistivity At-the-Bit Calibration											
Resistivity: Fixture											
Phase	Ring/T1 factor		Value	Phase	Ring/T2 factor		Value	Phase	M0/T1 factor		Value
Master			0.9975	Master			0.9991	Master			1.001
0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)		0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)		0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)	
Phase	M0/T2 factor		Value	Phase	M2/T1 factor		Value	Phase	M2/T2 factor		Value
Master			1.002	Master			0.9983	Master			0.9994
0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)		0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)		0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)	
Phase	BTN shallow/T1 factor		Value	Phase	BTN shallow/T2 factor		Value	Phase	BTN medium/T1 factor		Value
Master			1.006	Master			1.007	Master			1.002
0.9750	1.000	1.025		0.9750	1.000	1.025		0.9750	1.000	1.025	

0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)	0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)	0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)
Phase	BTN medium/T2 factor		Phase	BTN deep/T1 factor		Phase	BTN deep/T2 factor	
Master			Master			Master		
0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)	0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)	0.9750 (Minimum)	1.000 (Nominal)	1.025 (Maximum)
	Value			Value			Value	
	1.003			1.012			1.012	

Master: 11-Sep-2002 12:00								
6.75-in. Resistivity At-the-Bit Calibration								
Gamma Ray: Blanket								
Phase	Gamma ray factor						Value	
Master							0.8590	
	0.7500 (Minimum)			1.000 (Nominal)			1.250 (Maximum)	

ANADRILL

SCHLUMBERGER

Survey report 16-Oct-2002 12:09:07 Page 1 of 3

Client.....: Esso Australia Ltd.  
Field.....: Tuna

Well.....: TNA A-10A Spud date.....: 4-Oct-2002  
API number.....: Last survey date.....: 16-Oct-02  
Engineer.....: L. Bon Total accepted surveys....: 57  
MD of first survey.....: 646.50 m  
RIG.....: ISDL 453 MD of last survey.....: 2243.00 m  
STATE.....: Victoria

----- Survey calculation methods ----- Geomagnetic data -----  
Method for positions.....: Minimum curvature Magnetic model.....: BGGM version 2001  
Method for DLS.....: Mason & Taylor Magnetic date.....: 20-Sep-2002  
Magnetic field strength...: 1200.29 HCNT  
----- Depth reference ----- Magnetic dec (+E/W-).....: 13.17 degrees  
Permanent datum.....: Mean Sea Level Magnetic dip.....: -68.69 degrees  
Depth reference.....: Driller's Depth  
GL above permanent.....: -59.40 m  
KB above permanent.....: 31.32 m  
DF above permanent.....: 31.32 m  
----- MWD survey Reference Criteria -----  
Reference G.....: 1000.02 mGal  
Reference H.....: 1200.29 HCNT  
Reference Dip.....: -68.69 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 6.00 HCNT  
Tolerance of Dip.....: (+/-) 0.45 degrees  
----- Platform reference point ----- Corrections -----  
Latitude (+N/S-).....: -3.05 m Magnetic dec (+E/W-).....: 13.17 degrees  
Departure (+E/W-).....: 0.11 m Grid convergence (+E/W-).....: -0.88 degrees  
Total az corr (+E/W-).....: 14.05 degrees  
Azimuth from rotary table to target: 332.28 degrees (Total az corr = magnetic dec - grid conv)  
Sag applied (Y/N).....: No degree: 0.00

[(c)2002 Anadrill IDEAL ID7\_OC\_02]

ANADRILL SCHLUMBERGER Survey Report

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Seq	Measured	Incl	Azimuth	Course	TVD	Vertical	Displ	Displ	Total	At	DLS	Srvy	Tool
#	depth	angle	length	depth	section	+N/S-	+E/W-	displ	Azim	(deg/	100f)	type	qual
-	(m)	(deg)	(deg)	(m)	(m)	(m)	(m)	(deg)	100f)	type	type		
1	646.5	37.39	204.16	0	614.23	-101.72	-136.8	-35.75	138.47	194.65	0	TIP	-
2	661.2	37.68	204.31	14.7	625.89	-107.24	-144.96	-39.43	147.32	195.21	0.63	GYR	-
3	700.49	38.02	219.27	39.29	656.98	-119.38	-165.32	-52.05	170.44	197.48	7.11	MWD	6-axis
4	729	38.66	224.98	28.51	679.35	-125.46	-178.42	-63.91	186.69	199.71	3.85	MWD	6-axis
5	757.82	37.29	233.89	28.82	702.08	-129.42	-189.94	-77.34	202.3	202.15	5.97	MWD	6-axis
6	785.91	37.06	243.45	28.09	724.48	-130.48	-198.74	-91.8	216.2	204.79	6.27	MWD	6-axis
7	814.55	37.96	252.29	28.64	747.22	-128.78	-205.29	-107.92	229.28	207.73	5.8	MWD	6-axis
8	843.56	39.69	259.68	29.01	769.83	-124.45	-209.66	-125.54	241.82	210.91	5.19	MWD	6-axis
9	871.13	40.19	267.56	27.57	790.98	-118.02	-211.62	-143.1	253	214.07	5.62	MWD	6-axis
10	901.08	40.82	274.91	29.95	813.77	-108.61	-211.19	-162.52	264.15	217.58	4.9	MWD	6-axis
11	927.94	40.93	282.75	26.86	834.09	-98.15	-208.5	-179.86	273.13	220.78	5.82	MWD	6-axis
12	956.4	41.73	290.78	28.46	855.48	-85	-203.08	-197.82	281.4	224.25	5.74	MWD	6-axis
13	986.18	42.47	297.76	29.78	877.59	-69.28	-194.87	-216	288.96	227.94	4.85	MWD	6-axis
14	1015.52	42.54	305.13	29.34	899.23	-52.29	-184.55	-232.88	295.34	231.61	5.17	MWD	6-axis

13	986.18	42.47	297.76	29.78	877.59	-69.28	-194.87	-216	288.96	227.94	4.85	MWD	6-axis
14	1015.52	42.54	305.13	29.34	899.23	-52.29	-184.55	-232.88	295.34	231.61	5.17	MWD	6-axis
15	1044.86	42.2	312.78	29.34	920.92	-34.16	-172.14	-248.24	300.45	235.26	5.37	MWD	6-axis
16	1073.87	45.34	320.38	29.01	941.88	-14.86	-157.56	-261.98	304.25	238.98	6.43	MWD	6-axis
17	1102.84	49.02	325.14	28.97	961.58	6.08	-140.64	-274.81	307.43	242.9	5.34	MWD	6-axis
18	1131.52	51.38	330.94	28.68	979.94	28.04	-121.95	-286.45	310.25	246.94	5.36	MWD	6-axis
19	1160.5	54.35	336.25	28.98	997.44	51.12	-101.26	-296.7	312.63	251.15	5.44	MWD	6-axis
20	1189.57	58.35	338.23	29.07	1013.55	75.22	-78.95	-306.05	315.43	255.53	4.54	MWD	6-axis
21	1218.51	60.94	341.52	28.94	1028.18	99.97	-55.51	-314.63	319.08	259.99	4.05	MWD	6-axis
22	1247.44	64.09	344.91	28.93	1041.53	125.15	-30.94	-322.03	323.34	264.51	4.59	MWD	6-axis
23	1276.26	68.16	347.68	28.82	1053.19	150.71	-5.34	-328.26	328.38	269.07	5.07	MWD	6-axis
24	1304.91	68.17	350.31	28.65	1063.85	176.18	20.76	-333.34	334.29	273.56	2.6	MWD	6-axis
25	1334.11	67.47	350.2	29.2	1074.88	201.9	47.41	-337.91	341.77	277.99	0.74	MWD	6-axis
26	1363.21	66.92	349.8	29.1	1086.15	227.45	73.83	-342.57	351.2	282.16	0.69	MWD	6-axis
27	1391.75	67.53	350.62	28.54	1097.2	252.49	99.76	-347.04	362.06	286.04	1.04	MWD	6-axis
28	1420.36	67.08	350.51	28.61	1108.24	277.55	125.8	-351.37	374.35	289.7	0.49	MWD	6-axis
29	1448.66	68.99	350.9	28.3	1118.83	302.45	151.7	-355.61	387.92	293.1	2.09	MWD	6-axis
30	1477.72	68.34	350.63	29.06	1129.4	328.12	178.41	-359.95	403.21	296.37	0.73	MWD	6-axis

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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 100f	DLS type	Srvy tool	Tool qual
31	1506.45	67.61	350.84	28.73	1140.17	353.38	204.7	-364.24	419.42	299.33	0.8	MWD	6-axis
32	1535.61	68.97	350.83	29.16	1150.96	379.07	231.44	-368.56	436.92	302.13	1.42	MWD	6-axis
33	1565.41	68.26	350.58	29.8	1161.82	405.39	258.83	-373.04	455.87	304.75	0.76	MWD	6-axis
34	1594.42	67.8	350.83	29.01	1172.68	430.92	285.38	-377.38	475.07	307.1	0.54	MWD	6-axis
35	1623.51	67.52	350.94	29.09	1183.74	456.42	311.95	-381.65	494.93	309.26	0.31	MWD	6-axis
36	1652.59	68.41	350.68	29.08	1194.64	481.98	338.55	-385.95	515.5	311.26	0.97	MWD	6-axis
37	1681.35	68.05	350.92	28.76	1205.31	507.3	364.92	-390.22	536.43	313.08	0.45	MWD	6-axis
38	1710.58	67.88	350.84	29.23	1216.28	532.98	391.67	-394.52	558.15	314.79	0.19	MWD	6-axis
39	1739.39	67.67	350.96	28.81	1227.18	558.25	418.01	-398.73	579.97	316.35	0.25	MWD	6-axis
40	1767.87	67.3	351.21	28.48	1238.08	583.16	444	-402.81	601.83	317.78	0.47	MWD	6-axis
41	1796.96	68.71	351.25	29.09	1248.98	608.67	470.65	-406.92	624.56	319.15	1.48	MWD	6-axis
42	1825.58	67.9	351.27	28.62	1259.56	633.82	496.94	-410.96	647.28	320.41	0.86	MWD	6-axis
43	1854.31	67.69	350.38	28.73	1270.41	659.03	523.2	-415.21	670.39	321.56	0.9	MWD	6-axis
44	1883.82	67.24	350.44	29.51	1281.72	684.94	550.07	-419.75	694.42	322.65	0.47	MWD	6-axis
45	1912.74	68.05	348.78	28.92	1292.72	710.47	576.38	-424.57	718.39	323.62	1.83	MWD	6-axis
46	1941.53	67.75	348.8	28.79	1303.55	736.04	602.54	-429.76	742.65	324.5	0.32	MWD	6-axis
47	1970.81	67.57	348.94	29.28	1314.68	762	629.12	-434.98	767.43	325.34	0.23	MWD	6-axis
48	1999.66	67.07	349.15	28.85	1325.81	787.49	655.25	-440.04	791.89	326.12	0.57	MWD	6-axis
49	2034.43	62.98	349.79	34.77	1340.49	817.59	686.23	-445.8	820.94	326.99	3.62	MWD	6-axis
50	2063.19	57.85	350.62	28.76	1354.68	841.38	710.87	-450.06	844	327.66	5.49	MWD	6-axis
51	2092.26	54.07	349.1	29.07	1370.95	864.34	734.58	-454.3	866.36	328.27	4.18	MWD	6-axis
52	2121.17	54.36	349.19	28.91	1387.86	886.78	757.61	-458.71	888.32	328.81	0.32	MWD	6-axis
53	2150	55.5	349.25	28.83	1404.42	909.35	780.79	-463.13	910.49	329.33	1.21	MWD	6-axis
54	2179.27	56.64	349.55	29.27	1420.76	932.56	804.66	-467.59	933.35	329.84	1.22	MWD	6-axis
55	2208.3	56.7	349.39	29.03	1436.71	955.73	828.51	-472.02	956.24	330.33	0.15	MWD	6-axis
56	2224.38	57.39	349.38	16.08	1445.46	968.63	841.77	-474.51	969.01	330.59	1.31	MWD	6-axis
57	2243	57.75	349.37	18.62	1455.44	983.65	857.21	-477.41	983.91	330.89	0.59	MWD	-

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Company: **ESSO Australia Ltd Pty**

Well: **TNA A-10A ST**

Field: **Tuna**

Rig: **ISDL 453**

State: **Victoria**

**Schlumberger**

**GeoVISION\* Resistivity**

**GeoVISION\* Resistivity**  
**1:200 Measured Depth**  
**Recorded Mode Data**

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