



ENDEAVOUR GEOPHYSICS

ENERGY INVESTMENTS

W74

Formation Density

1:100

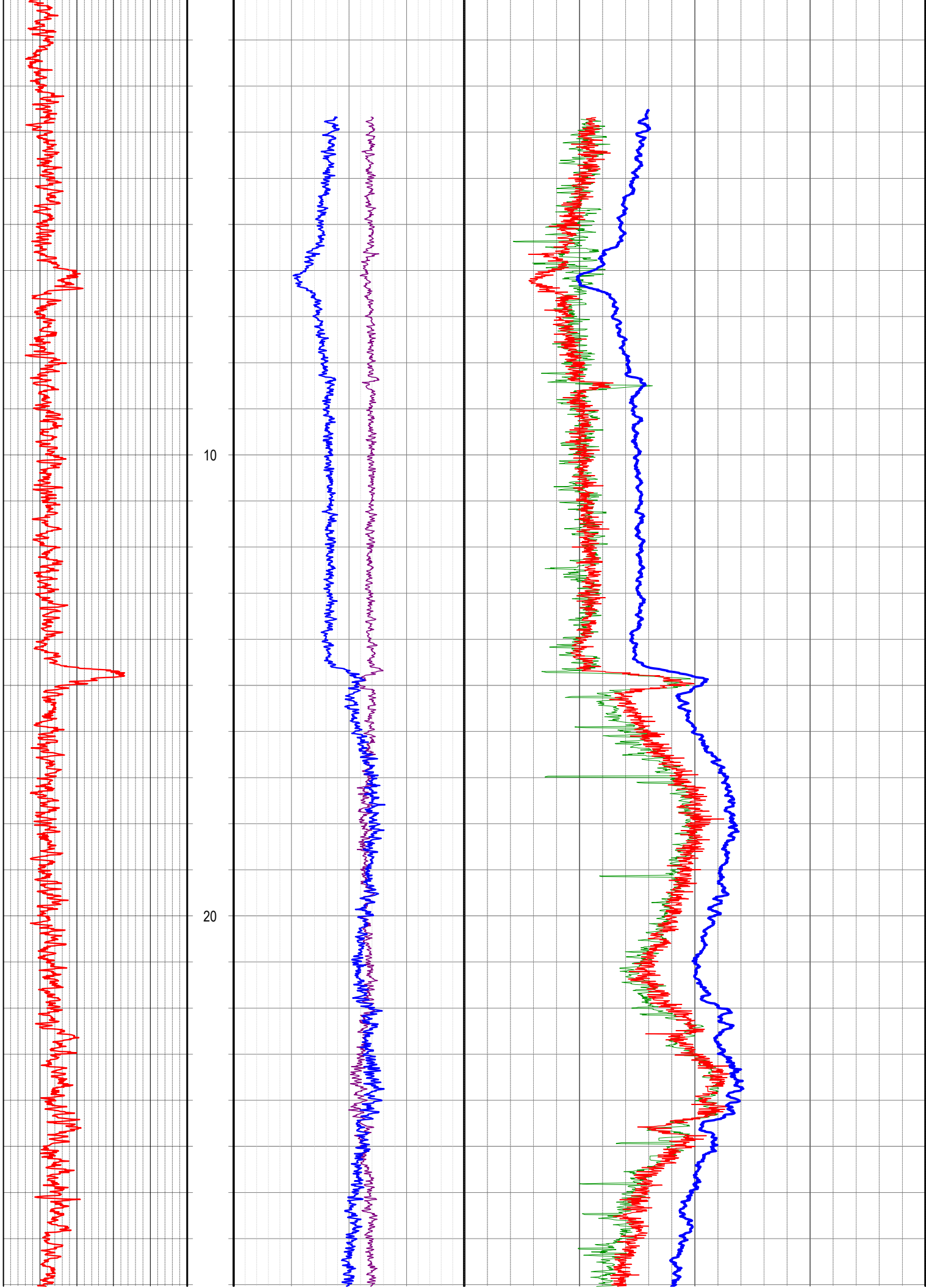
LOCATION		HOLE ATTRIBUTES				LOGGING DETAILS			
LOCATION	WOODBURY	DATE	20/06/2014			RECORDED BY	CALEB AMES		
EL	65/2007 TUNBRIDGE	FLUID LEVEL	m			WITNESSED BY	ROWENA MURCOTT		
PROVINCE		FLUID TYPE	WATER			UNIT	EG25		
STATE	TASMANIA	DRILLED DEPTH	93.3 m			LOGGED DEPTH	91.45 m		
COUNTRY	AUSTRALIA	DATUM	GL			INT LOGGED	0-91.45 m		
LATI		DRILLING COMPANY	KMR DRILLING			LOGGING RUNS			
LONG		DRILLING RIG							
GEODETIC DATUM	MGA55	BOREHOLE RECORD				TOOL	ID	START	FINISH
COORD	GDA94	TYPE	SIZE	FROM m	TO m	FDS	817	91.45	0
EASTING	537763	PER	130mm	0	TD				
NORTHING	5331762								
ELEVATION	m								
SRVC	ENDEAVOUR GEOPHYSICS	CASING RECORD							
WEB	www.endeavourgeo.com	TYPE	SIZE	FROM m	TO m				
COMMENTS		PVC	65mm	0	TD				
Tool was run within 65mm PVC - hence no caliper information. Caution for use of absolute density values given that the tool was run within PVC casing									

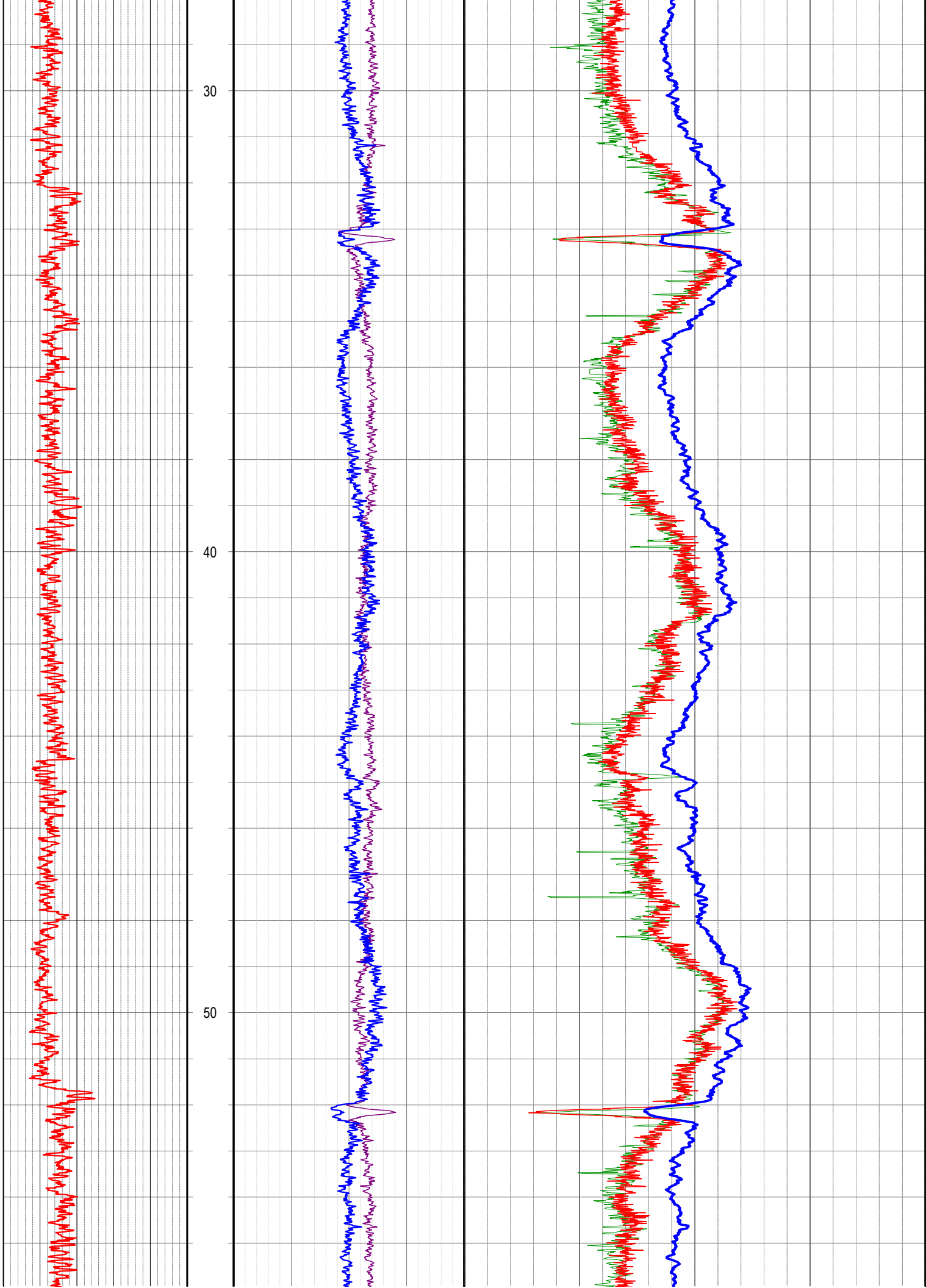
FORMATION DENSITY - FDS50

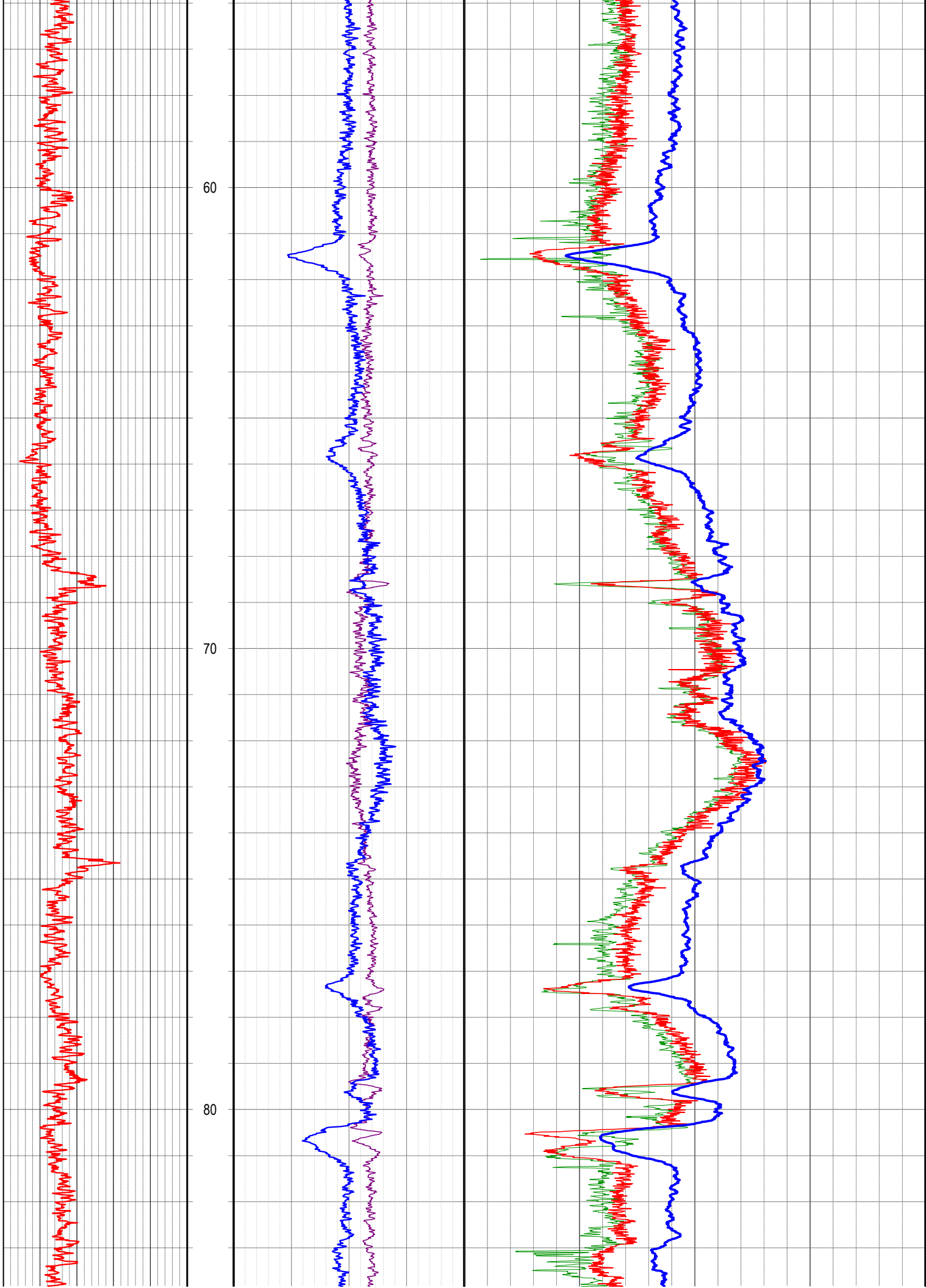


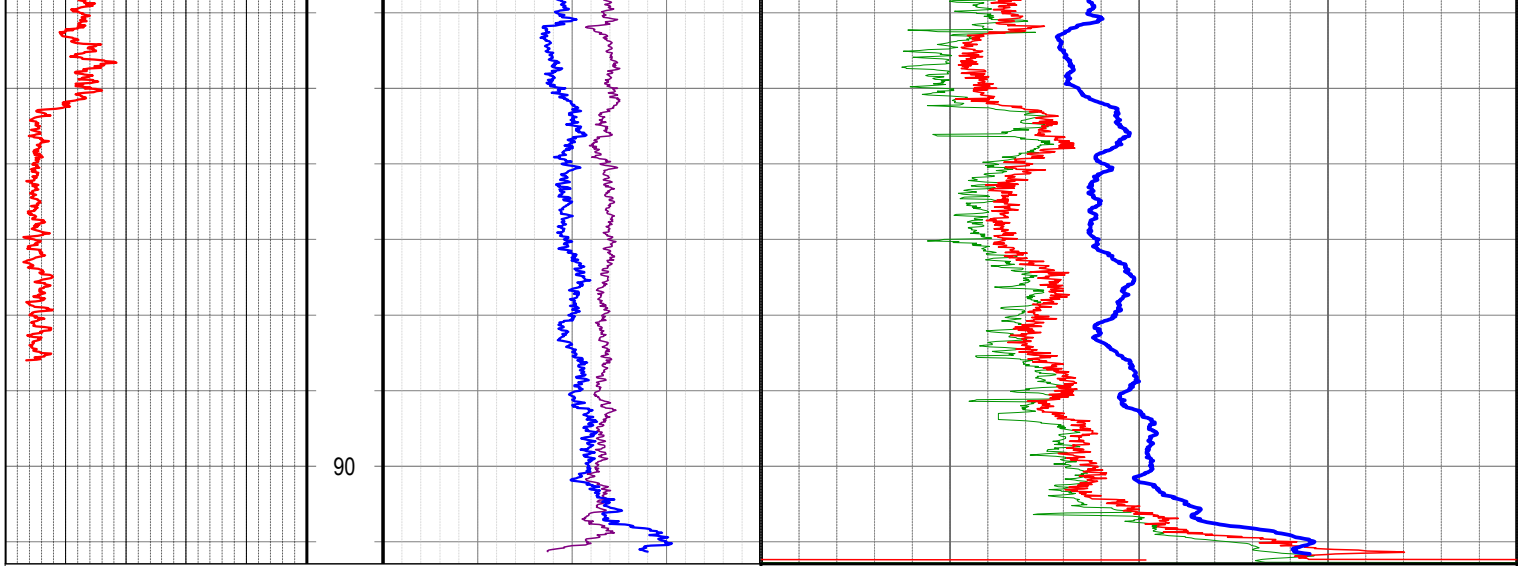
CALIBRATION		FDS_MNEUMONICS	ATTRIBUTES	
FDS_CALIBRATION_DATE	10/09/2013	GAMMA_RAW = Uncalibrated natural gamma raw counts LSD_RAW = Long Spaced Density raw counts SSD_RAW = Short Spaced Density raw counts BRD_RAW = Bed Resolution Density raw counts CALI_RAW = Caliper raw counts	FDS_LENGTH	3145mm
FDS_MODEL	ALT FDS-50		FDS_DIAMETER	50mm
FDS_SERIAL_NO	061817		FDS_CALIPER_RANGE	50-300mm
FDS_SOURCE_NO	3500CO		FDS_LOGGING_SPEEDS	6m/min General
FDS_SOURCE_TYPE	3.7GBq 137Cs		FDS_RECEIVER_SPACING	
LSD_CAL	$-0.4311 * \ln(\text{RAW}) + 5.0823$	GRDEN = Calibrated Gamma - API Units LSD = Calibrated Long Spaced Density - g/cc SSD = Calibrated Short Spaced Density - g/cc BRD = Calibrated Bed Resolution Density - g/cc CALI = Calibrated Caliper - in mm RHOB = Bulk Density DPOR = Porosity from Density		
SSD_CAL	$-1.392 * \ln(\text{RAW}) + 15.54$			
BRD_CAL	$0.66 * \ln(\text{RAW}) + 30.20$			
FDS_GAMMA_CAL	$0.69488 * \text{RAW}$			
FDS_CALIPER_CAL	$1.11937 * \text{RAW} + 28.344$			
FDS_CAL_LOCATION	ADELAIDE PIT FACILITY-76mm			

GRDEN Natural Gamma 0 API 250	Depth 1:100	DRHOB Differential Density -0.4 G/CC 0.4	BRD Bed Resolution Density 1 G/CC 3
		RHOB Bulk Density 1 G/CC 3	SSD Short Spaced Density 1 G/CC 3
			LSD Long Spaced Density 1 G/CC 3









		LSD Long Spaced Density	
		1	3
		G/CC	
		1	3
		SSD Short Spaced Density	
		1	3
		G/CC	
		1	3
		BRD Bed Resolution Density	
		1	3
		G/CC	
		1	3

GRDEN Natural Gamma		Depth	
0	API	250	1:100

RHOB Bulk Density		Differential Density	
1	G/CC	3	

DRHOB Differential Density		G/CC	
-0.4		0.4	