



ENDEAVOUR GEOPHYSICS

HARD ROCK COAL

VR012

FORMATION DENSITY

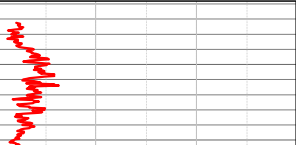
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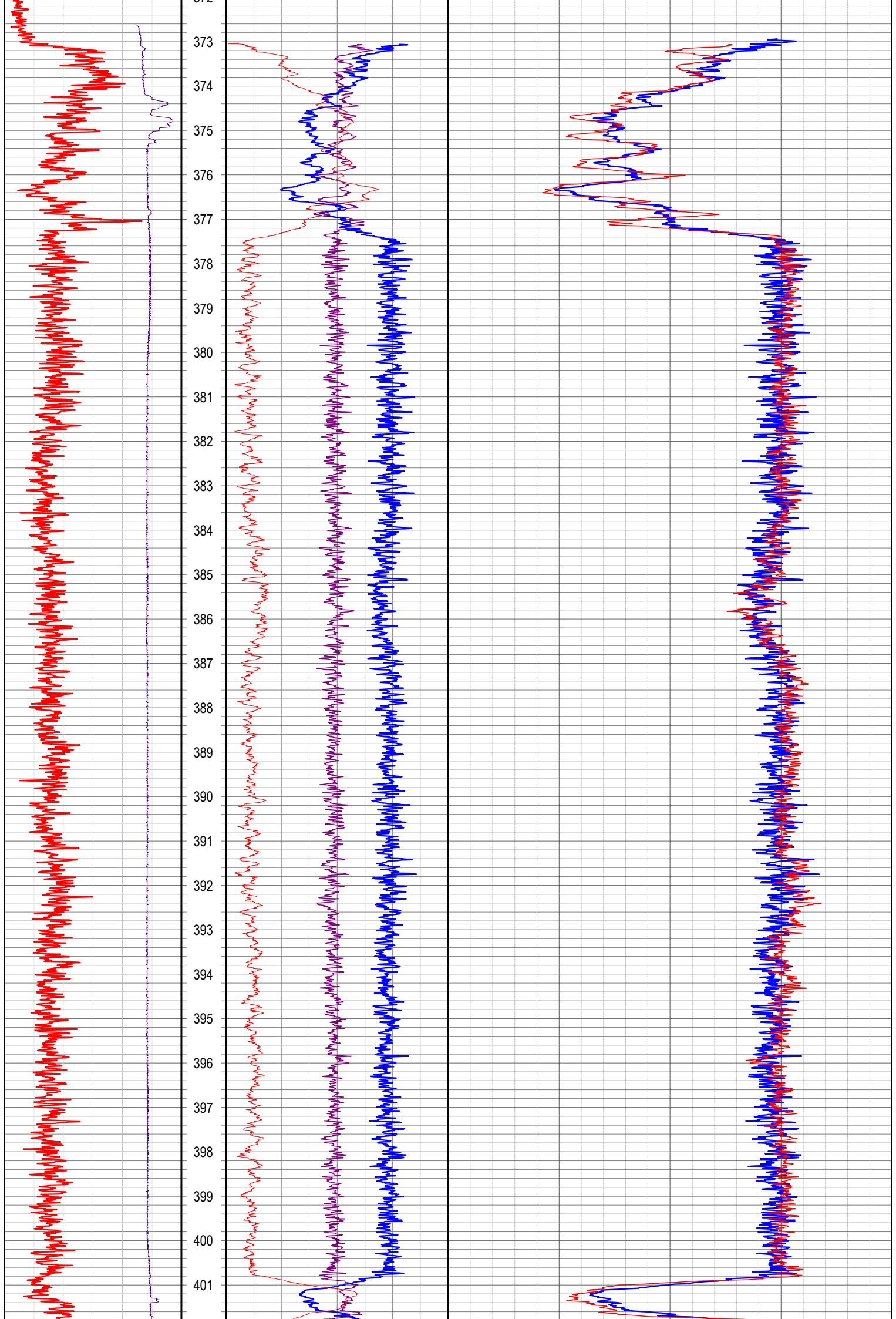
LOCATION		HOLE ATTRIBUTES		LOGGING DETAILS	
LOCATION	FINGAL	DATE	28/09/2015	RECORDED BY	CALEB AMES
EL		FLUID LEVEL	16.8 m	WITNESSED BY	RON GREGORY
PROVINCE		FLUID TYPE	WATER	UNIT	EG025
STATE	TASMANIA	DRILLED DEPTH	510 m	LOGGED DEPTH	509 m
COUNTRY	AUSTRALIA	DATUM	GROUND LEVEL	INT LOGGED	372-509 m
LATI		DRILLING COMPANY	SPAULDING	LOGGING RUNS	
LONG		DRILLING RIG			
GEODETIC DATUM	GDA94	BOREHOLE RECORD		TOOL	ID
COORD	MGA55			START	FINISH
EASTING	590067	TYPE	SIZE	FROM m	TO m
NORTHING	5389095	DIAM	NQ	GL	TD
ELEVATION	m	CASING RECORD		FDS(ROD)	717
SRVC	ENDEAVOUR GEOPHYSICS			MST(OH,ROD)	427
WEB	www.endeavourgeo.com	TYPE	SIZE	FROM m	TO m
COMMENTS		RODS	NQ	0	372
OPEN HOLE SECTION AFTER RODS PULLED BACK TO 372m					

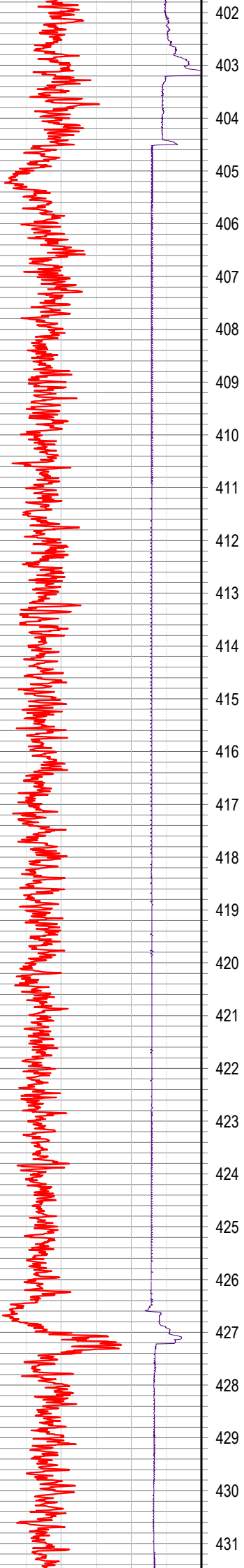
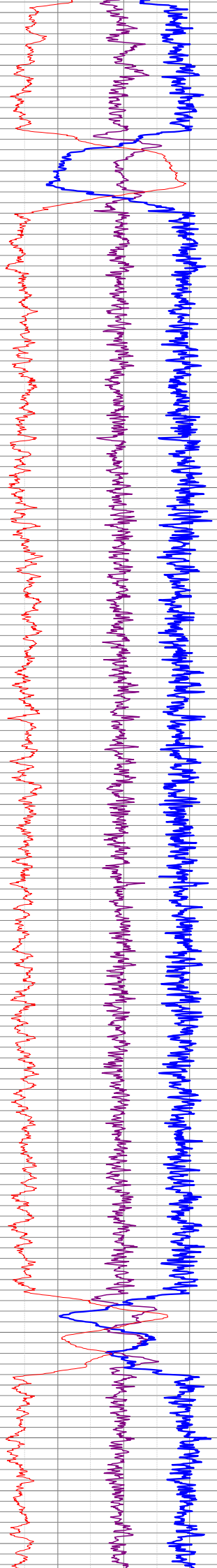
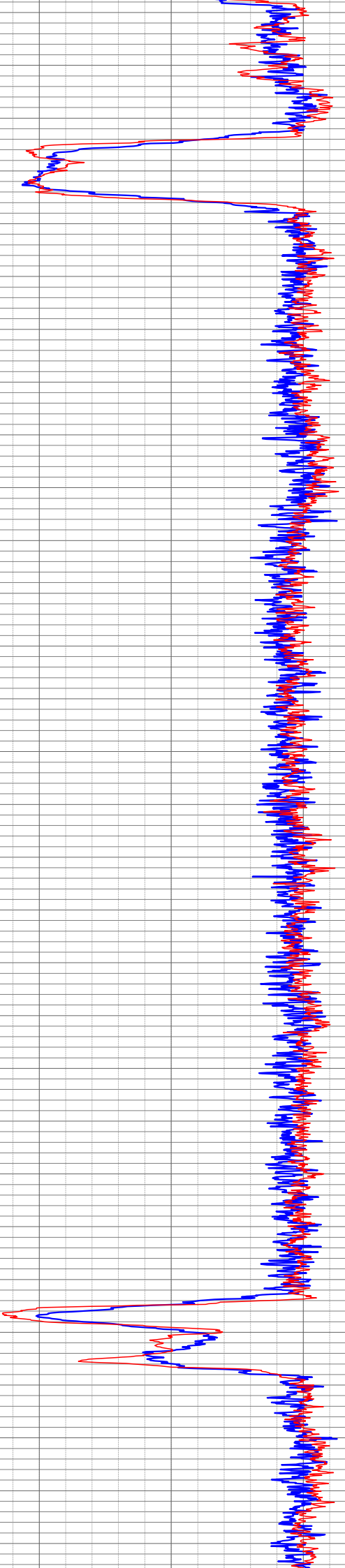
FORMATION DENSITY - FDS50

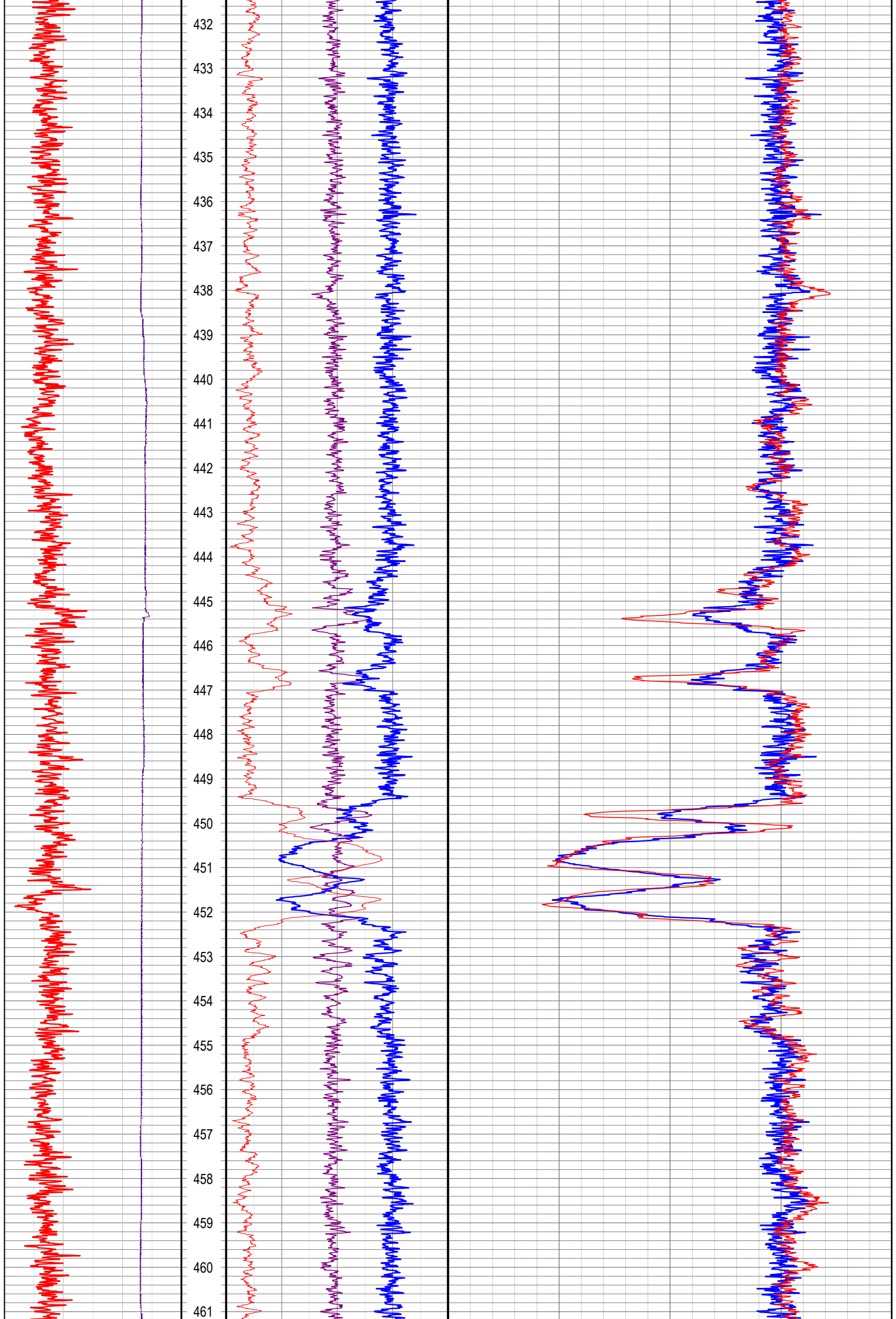


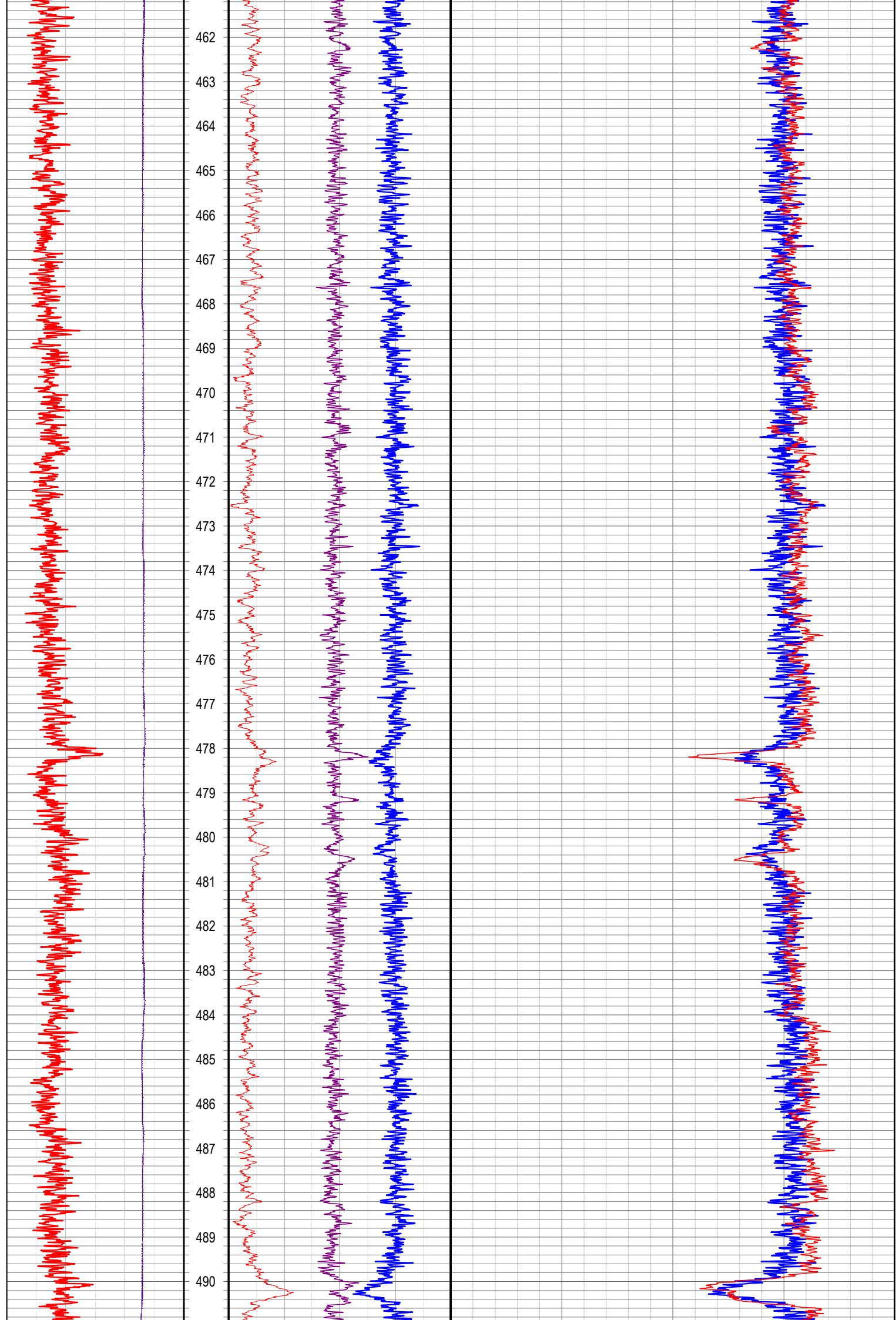
CALIBRATION		FDS_MNEUMONICS		ATTRIBUTES	
FDS_CALIBRATION_DATE	25/05/2015	GAMMA_RAW = Uncalibrated natural gamma raw counts LSD_RAW = Long Spaced Density raw counts SSD_RAW = Short Spaced Density raw counts BRD_RAW = Bed Resolution Density raw counts CALI_RAW = Caliper raw counts GRDEN = Calibrated Gamma - 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		FDS_LENGTH	3080mm
FDS_MODEL	ALT FDS-50			FDS_DIAMETER	50mm
FDS_SERIAL_NO	717			FDS_CALIPER_RANGE	50-300mm
FDS_SOURCE_NO	3500CO			FDS_LOGGING_SPEEDS	6m/min General 3m/min Detailed
FDS_SOURCE_TYPE	3.7GBq 137Cs			FDS_RECEIVER_SPACING	48cm - LSD 24cm - SSD 14cm - BRD 63cm - Caliper
LSD_CAL	-0.5189*Ln({RAW})+5.6866				
SSD_CAL	-1.5417*Ln({RAW})+16.9476				
BRD_CAL	-8.6410*Ln({RAW})+99.1852				
FDS_GAMMA_CAL	0.6948{RAW}				
FDS_CALIPER_CAL	0.0219*{RAW}+8.85				
FDS_CAL_LOCATION	ADELAIDE PIT FACILITY-108mm				

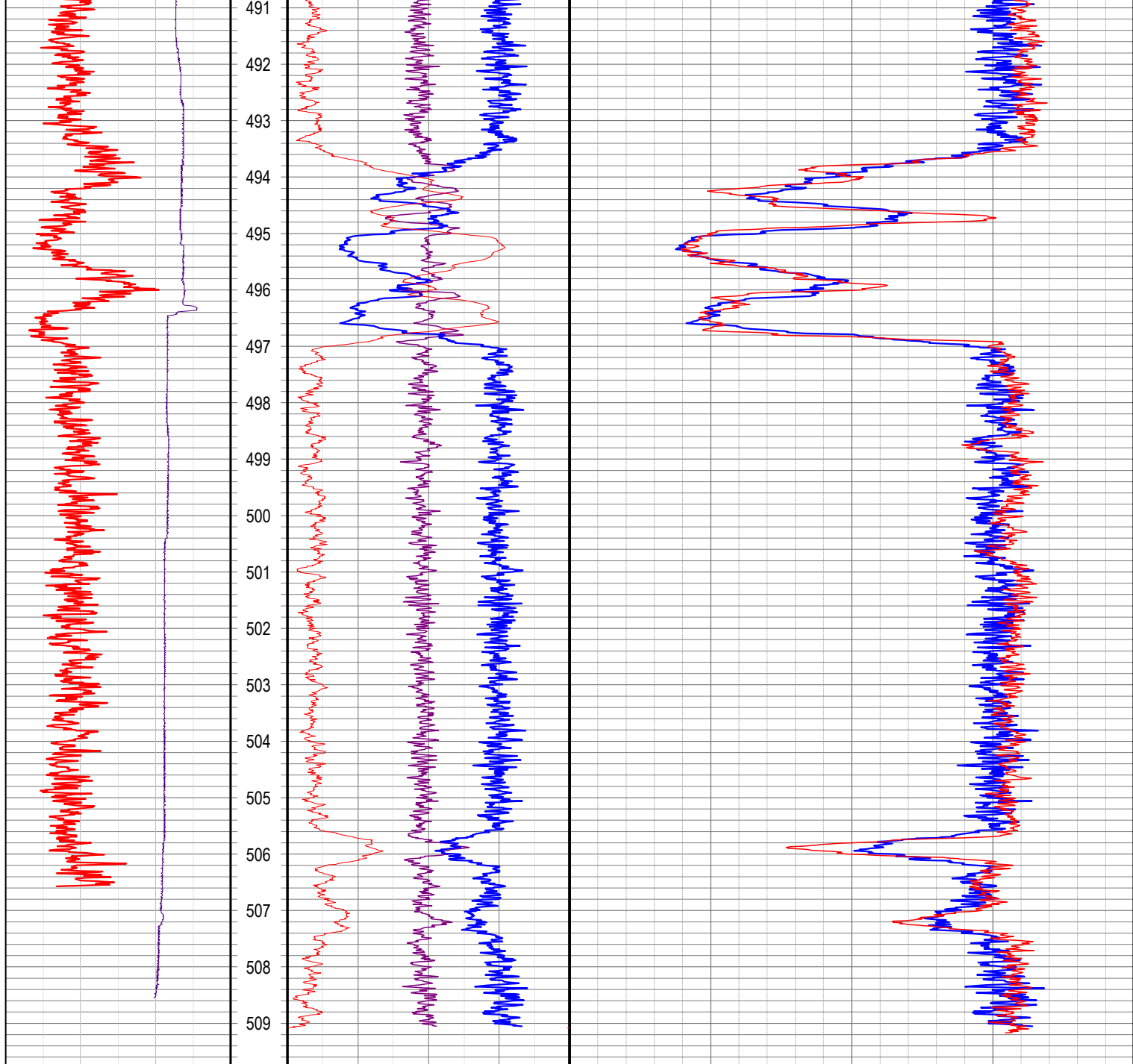
CALI CALIPER			Depth 1:100	DRHOB Differential Density			LSD Long Spaced Density		
50	mm	86		-0.4	G/CC	0.4	1	G/CC	3
GRDEN Natural Gamma				RHOB Bulk Density			SSD Short Spaced Density		
0	API	300		1	G/CC	3	1	G/CC	3
				DPOR-sand POROSITY (SANDSTONE MODEL)					
				0	%	100			
			371						
			372						











<div>GRDEN</div> <div>Natural Gamma</div> <div><div>0</div><div>API</div><div>300</div></div>	<div>DPOR-sand</div> <div>POROSITY (SANDSTONE MODEL)</div> <div><div>0</div><div>%</div><div>100</div></div>	<div>SSD</div> <div>Short Spaced Density</div> <div><div>1</div><div>G/CC</div><div>3</div></div>
<div>CALI</div> <div>CALIPER</div> <div><div>50</div><div>mm</div><div>86</div></div>	<div>RHOB</div> <div>Bulk Density</div> <div><div>1</div><div>G/CC</div><div>3</div></div>	<div>LSD</div> <div>Long Spaced Density</div> <div><div>1</div><div>G/CC</div><div>3</div></div>
<div>Depth</div> <div>1:100</div>	<div>DRHOB</div> <div>Differential Density</div> <div><div>-0.4</div><div>G/CC</div><div>0.4</div></div>	