

Annual Report 2013 - 2014 for EL25/2008

APPENDIX 3

Down-hole geophysical log of OJ008
(Endeavour Geophysics, 2014)



ENERGY INVESTMENTS

OJ008

FORMATION DENSITY

1:100

ENDEAVOUR GEOPHYSICS

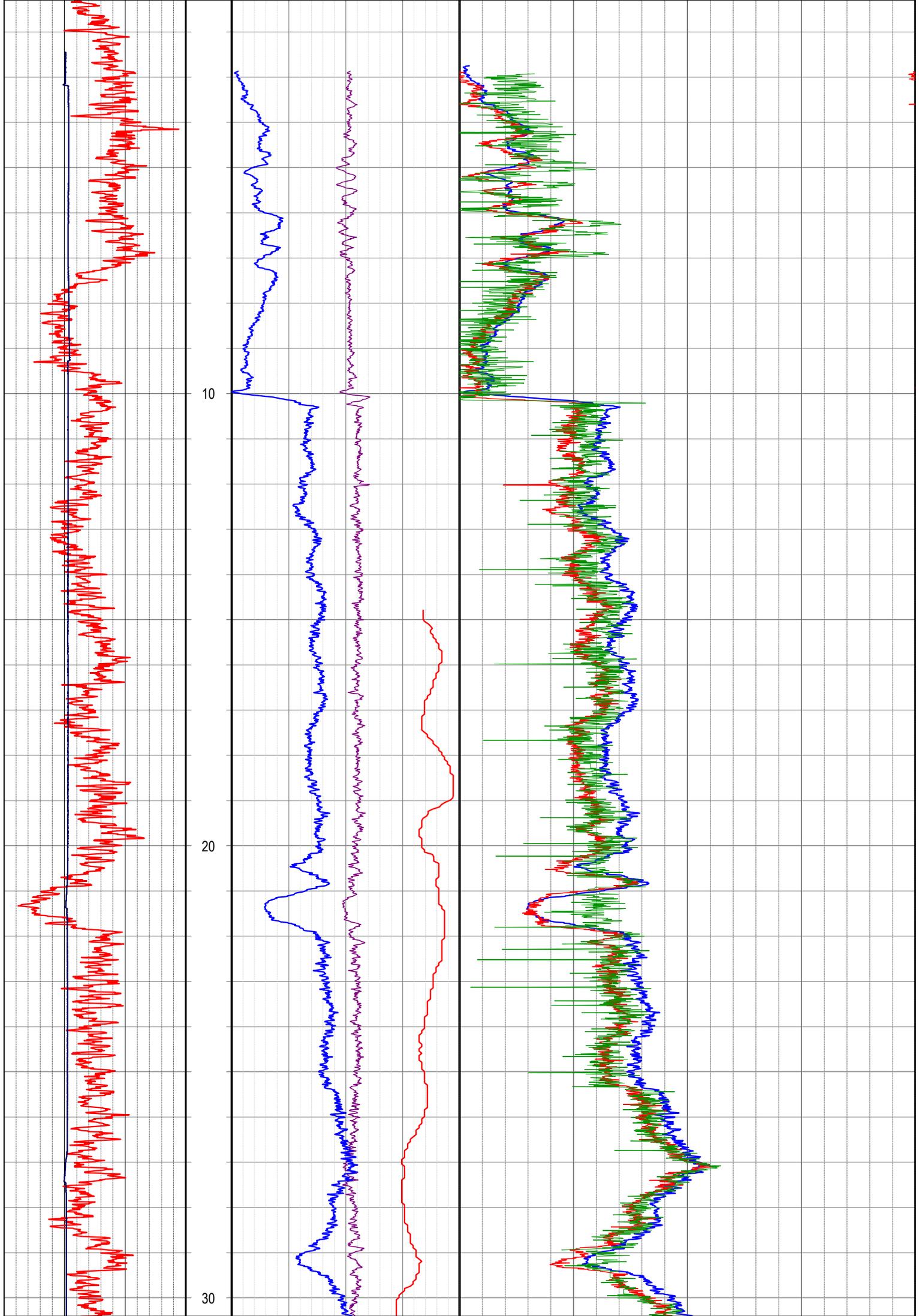
LOCATION		HOLE ATTRIBUTES		LOGGING DETAILS	
LOCATION	JERICO	DATE	28/08/2014	RECORDED BY	CALEB AMES
EL		FLUID LEVEL	10 m	WITNESSED BY	ROWENA MURCOTT
PROVINCE		FLUID TYPE	WATER	UNIT	EG25
STATE	TASMANIA	DRILLED DEPTH	m	LOGGED DEPTH	100.15 m
COUNTRY	AUSTRALIA	DATUM	GL	INT LOGGED	0-100.15 m
LATI		DRILLING COMPANY		LOGGING RUNS	
LONG		DRILLING RIG			
GEODETIC DATUM	GDA94	BOREHOLE RECORD		TOOL	ID
COORD	MGA55	TYPE	SIZE	FROM m	TO m
EASTING	0525019			0	100.15
NORTHING	5315148				
ELEVATION	m	CASING RECORD			
SRVC	ENDEAVOUR GEOPHYSICS	TYPE	SIZE	FROM m	TO m
WEB	www.endeavourgeo.com				
COMMENTS		PVC	100mm	0	100.15
LSD response dampened due to PVC.					

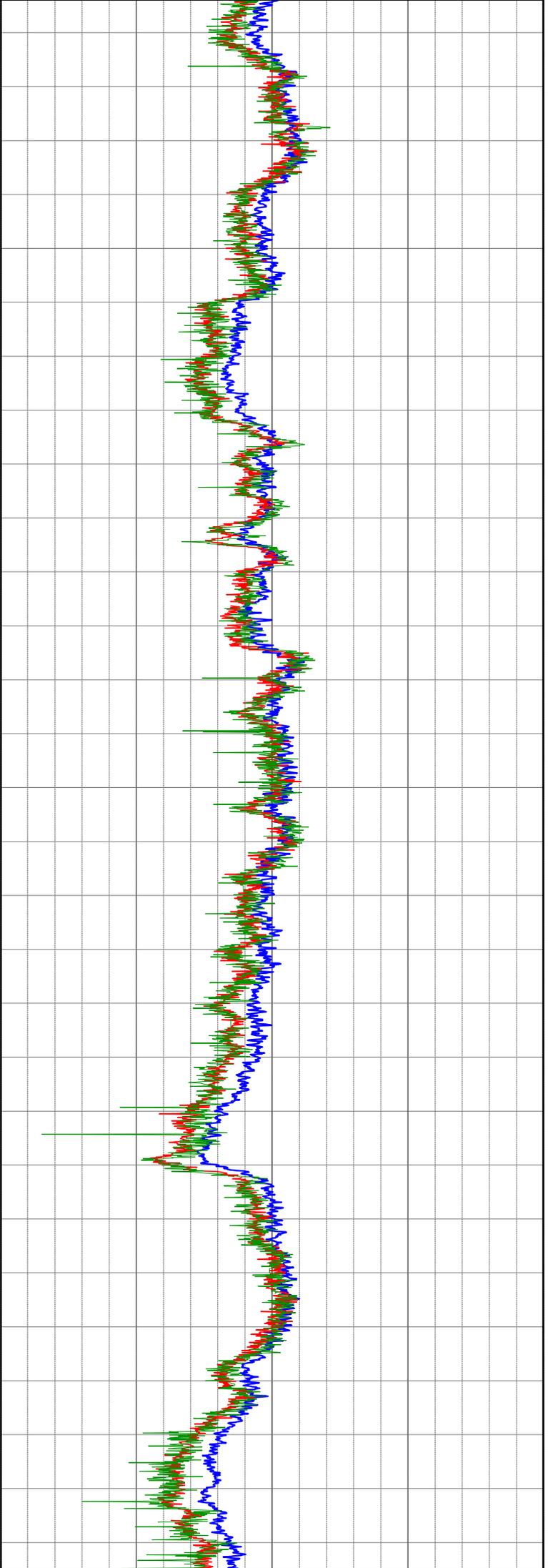
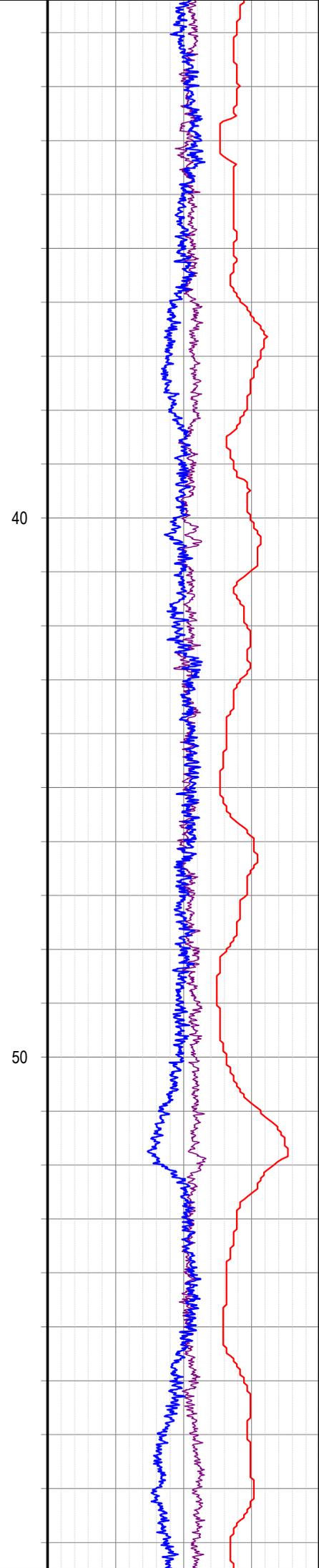
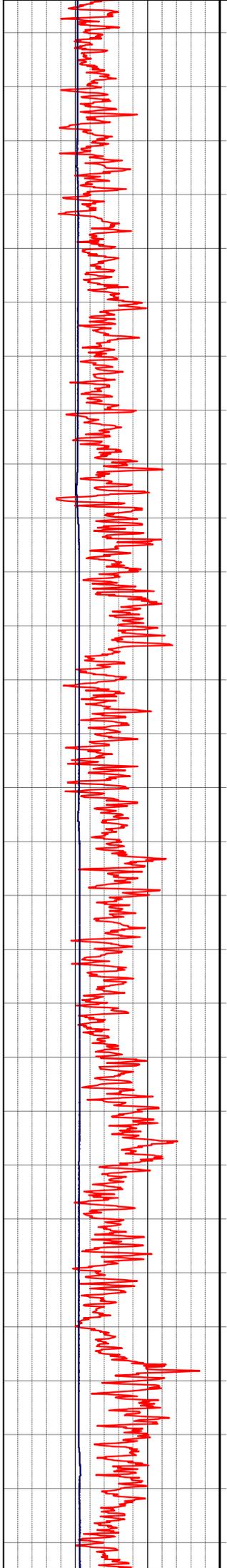
FORMATION DENSITY - FDS50

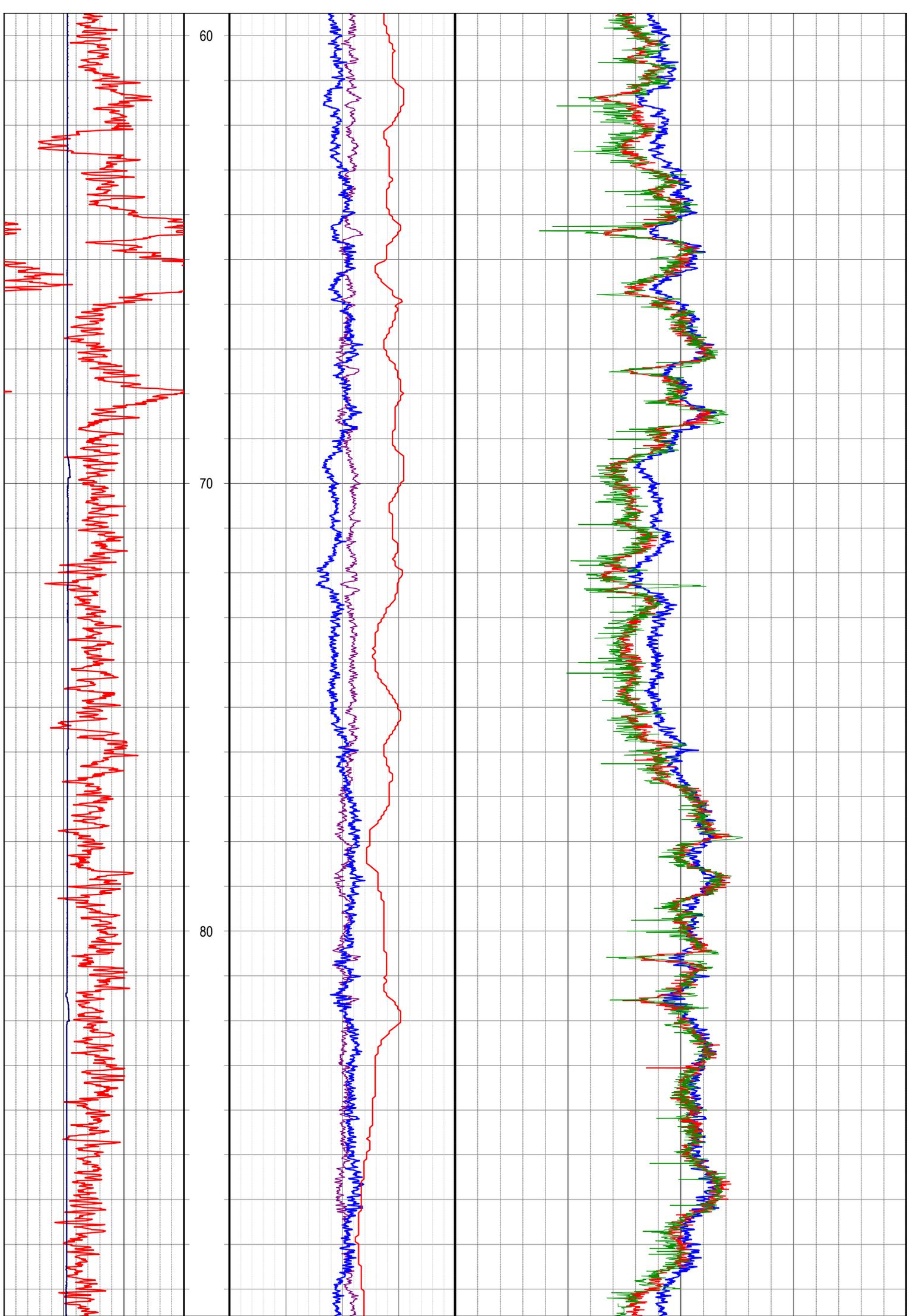


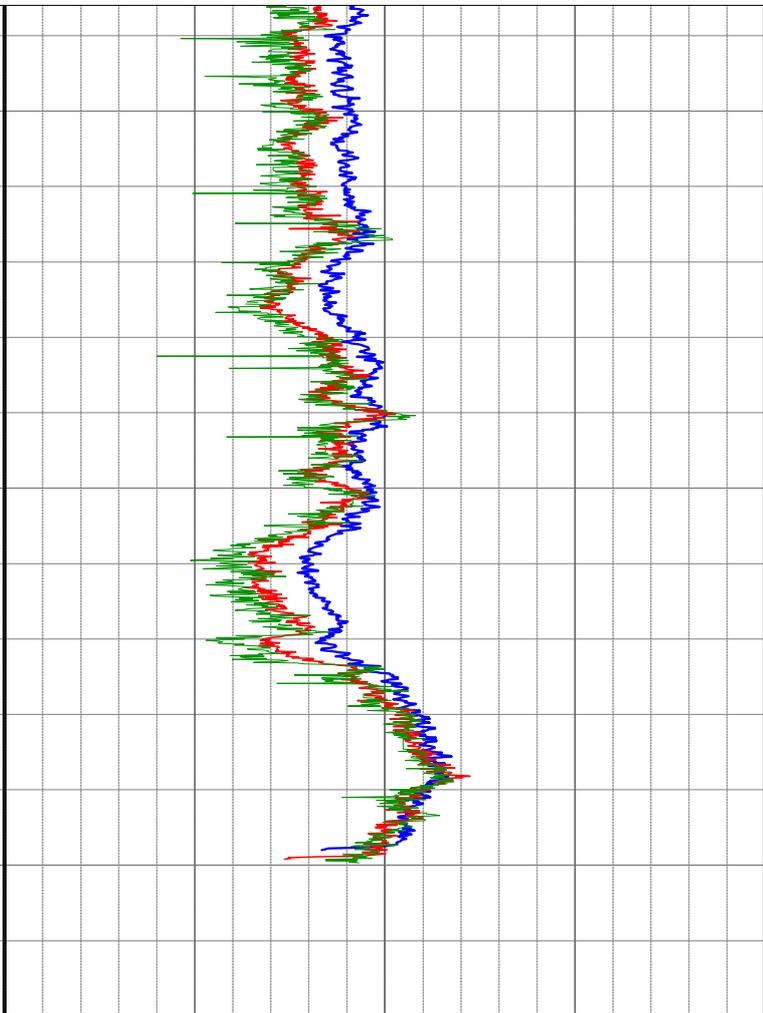
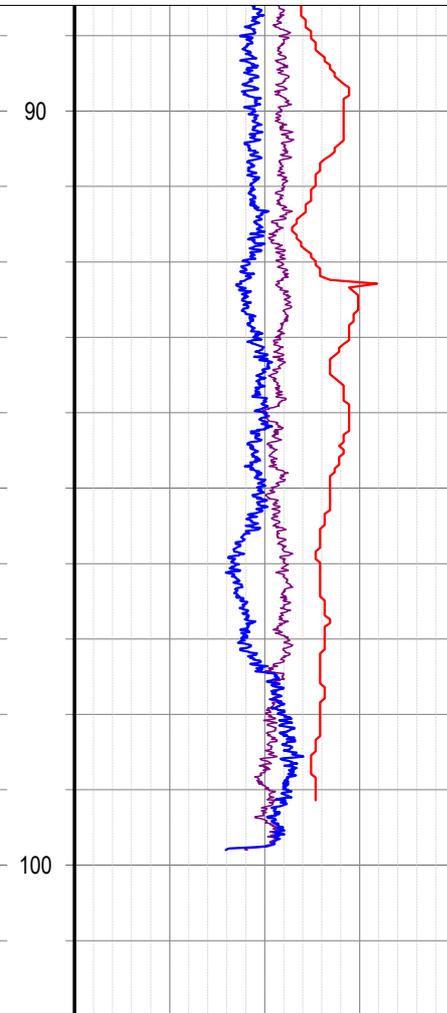
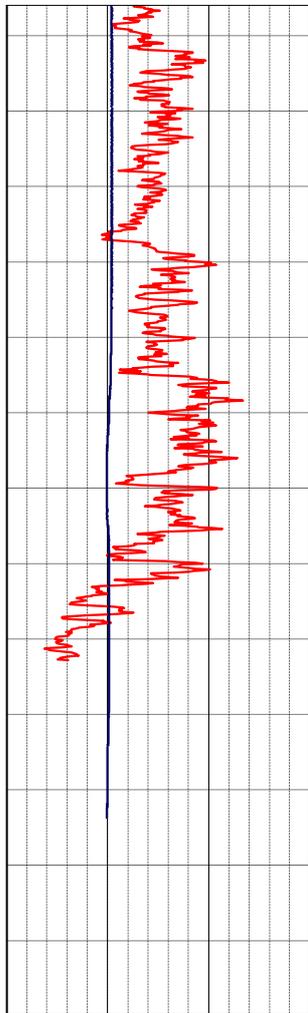
CALIBRATION		FDS_MNEUMONICS		ATTRIBUTES	
FDS_CALIBRATION_DATE	10/09/2013	GAMMA_RAW = Uncalibrated natural gamma raw counts		FDS_LENGTH	3145mm
FDS_MODEL	ALT FDS-50	LSD_RAW = Long Spaced Density raw counts		FDS_DIAMETER	50mm
FDS_SERIAL_NO	061817	SSD_RAW = Short Spaced Density raw counts		FDS_CALIPER_RANGE	50-300mm
FDS_SOURCE_NO	3500CO	BRD_RAW = Bed Resolution Density raw counts		FDS_LOGGING_SPEEDS	6m/min General
FDS_SOURCE_TYPE	3.7GBq 137Cs	CALI_RAW = Caliper raw counts			
LSD_CAL	$-0.4311 \cdot \ln(\text{RAW}) + 5.0823$	GRDEN = Calibrated Gamma - API Units		FDS_RECEIVER_SPACING	48cm - LSD
SSD_CAL	$-1.392 \cdot \ln(\text{RAW}) + 15.54$	LSD = Calibrated Long Spaced Density - g/cc			24cm - SSD
BRD_CAL	$0.66 \cdot 8 \cdot \text{RAW}^2 - 1.16 \cdot 3 \cdot \text{RAW} + 30.20$	SSD = Calibrated Short Spaced Density - g/cc			14cm - BRD
FDS_GAMMA_CAL	$0.69488 \cdot \text{RAW}$	BRD = Calibrated Bed Resolution Density - g/cc			63cm - Caliper
FDS_CALIPER_CAL	$1.11937 \cdot \text{RAW} + 28.344$	CALI = Calibrated Caliper - in mm			
FDS_CAL_LOCATION	ADELAIDE PIT FACILITY-76mm	RHOB = Bulk Density			
		DPOR = Porosity from Density			

GRDEN Natural Gamma		Depth 1:100	DRHOB Differential Density		LSD Long Spaced Density	
0	API 150		-0.4	G/CC 0.4	1	G/CC 3
CALI Caliper			RHOB Bulk Density		SSD Short Spaced Density	
50	mm 200	1	G/CC 3	1	G/CC 3	
		DT1 DELTA T RX1		BRD Bed Resolution Density		
		150	us/m 500	1	G/CC 3	









CALI Caliper		
50	mm	200
GRDEN Natural Gamma		
0	API	150

DT1 DELTA T RX1		
150	us/m	500
RHOB Bulk Density		
1	G/CC	3
DRHOB Differential Density		
-0.4	G/CC	0.4

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

Depth
1:100