



**CENTRAL PETROLEUM
WELL: CBM 93 - 003**



Weatherford

HoleData:

8.5", 10 m, 248.4 m
6- 1/8", 248.4m, 544m
3-3/4", 544m, 897m

CasingData:

10", 0 m, 15 m,
7", 15 m, 245 m,
4- 1/2", 245 m, 539.7 m,

MudData:

KCL Gel

SURFACE LOGGING SYSTEMS

MUDLOG

Legend

Drilling Data:
BC bit condition
BS bit size
CB core bit
CBR core bit re-run
CR core
CSG casing
DC depth correction
DIR directional survey
DS deviation survey
DST drill stem test
LC lost circulation
LCM lost circ material
MM mud motor
NB new bit
PO pump output
PP pump pressure
RPM rotary speed
RR re-run bit
SPM pump strokes
SPP stand pipe pressure
TRQ torque
TVD true vertical depth
WLL wireline log
WOB weight on bit

Personnel:

Companyman :
Tim Brower
Guy Holmes
Steve Bailey
Ian Twentyman
Geologist :
Michael Harrison
Graham McClung
Mudlogging crew :
Eswadi Othman
Muhd Mukhsin

Operator: Central Petroleum Ltd
Well: CBM93-003
Location: Simpson Desert
Country: Australia
UWID: CBM93 - 003
Elevation GL: 153.00
KB: 0.00
Drilling Rig: Wallis Rig D 39
Spud Date: January 09, 2010
Print Date: February 26, 2010
Scale: 1:500



Bit Trip



Dummy Trip



Mud Loss



Wireline Log



Casing



Directional Drill

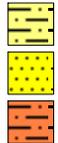


Side Wall Core



Perforated Interval

Lithology



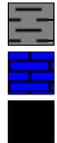
Siltstone 2



Sandstone



Siltstone



Shale



Limestone



Coal



Claystone



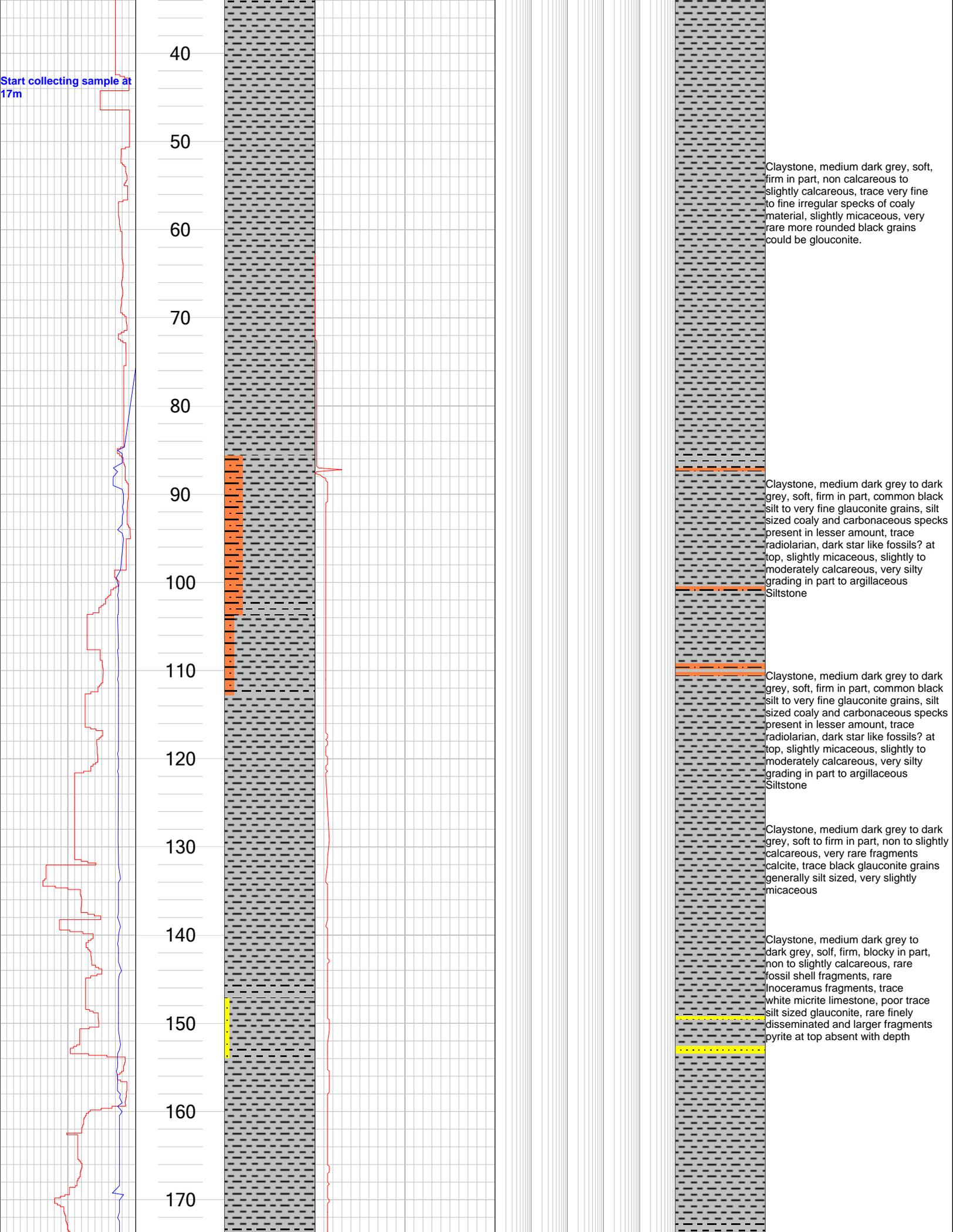
Mudstone



Calcareous Claystone

Company : Central Petroleum Ltd. Well : CBM 93 - 003 Location : Perdika Basin, Central Australia Spud : 9 January 2009 Scale : 1:500

ROP Average			Depth	Percentage Lithology	Total Gas Chromat			Methane			Interpreted Lithology	Remarks	
50	m/hr	0			0	ppm	5000	0.1	ppm	10000			
WOB			30	Klb	0	Carbon Dioxide			Ethane			0	
						0	ppm	5000	0.1	ppm	10000		
Total Gas			30		0	Total Gas			Propane			0	
						0	USunits	50	0.1	ppm	10000		
			30		0				Iso-Butane			0	
						0.1	ppm	10000					
			30		0				N-Butane			0	
						0.1	ppm	10000					
			30		0				Iso-Pentane			0	
						0.1	ppm	10000					
			30		0				N-Pentane			0	
						0.1	ppm	10000					
ROP Average	m/hr	0	20			Total Gas Chromat Out	ppm	5000	0.1	Methane Out	ppm	10000	Sandstone, medium orange brown, locally white silcrete fraction, loose to well cemented, calcareous cement is common, white matrix in part, very fine to medium occasionally coarse, subangular to subround, becomes dully yellow, coarse to granule at base
WOB	Klb	0				Carbon Dioxide Out	ppm	5000	0.1	Ethane Out	ppm	10000	
						Total Gas Sensor	USunits	50	0.1	Propane Out	ppm	10000	
										Iso-Butane Out	ppm	10000	
										N-Butane Out	ppm	10000	



Start collecting sample at 17m

40
50
60
70
80
90
100
110
120
130
140
150
160
170

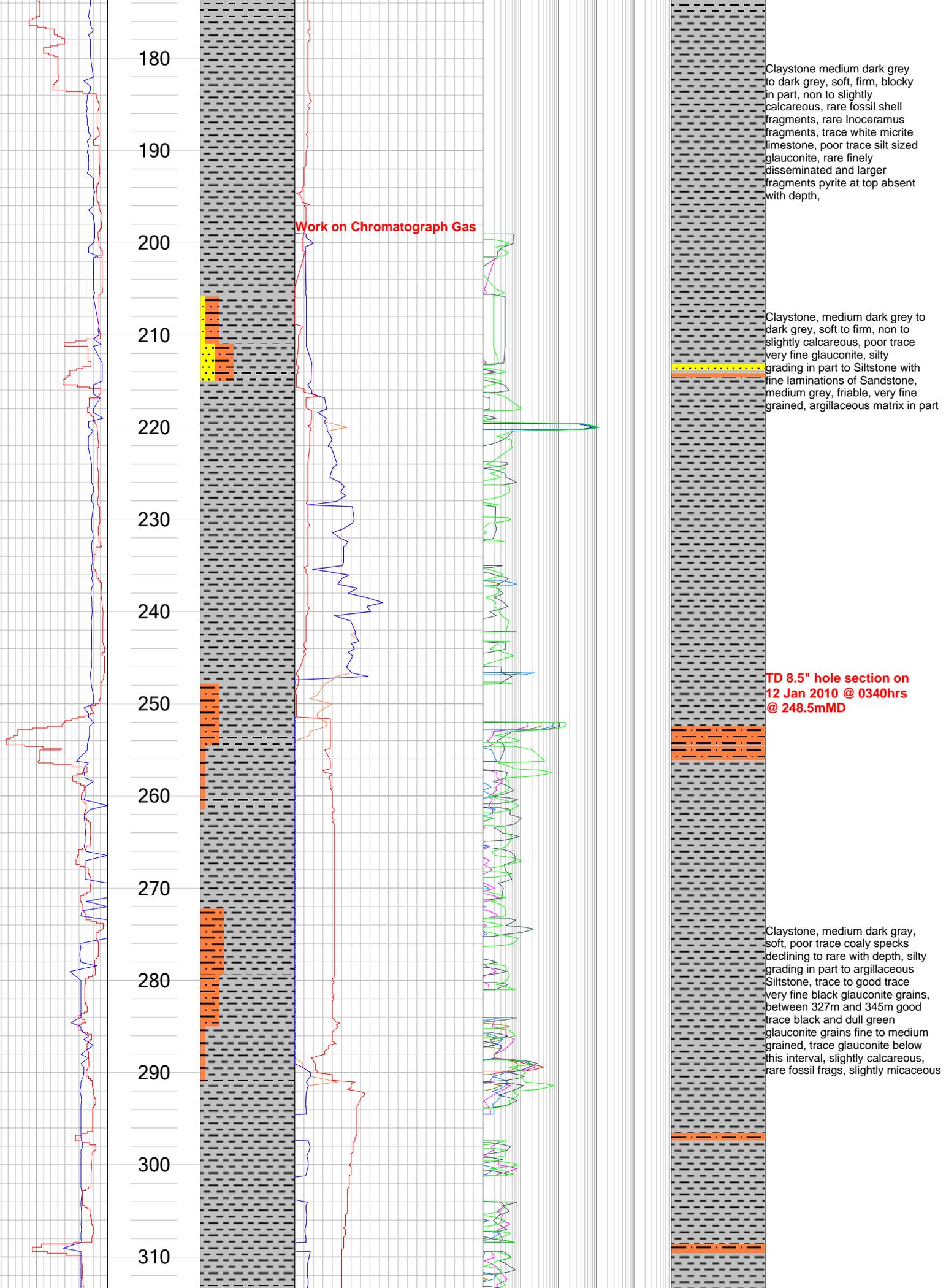
Claystone, medium dark grey, soft, firm in part, non calcareous to slightly calcareous, trace very fine to fine irregular specks of coaly material, slightly micaceous, very rare more rounded black grains could be glauconite.

Claystone, medium dark grey to dark grey, soft, firm in part, common black silt to very fine glauconite grains, silt sized coaly and carbonaceous specks present in lesser amount, trace radiolarian, dark star like fossils? at top, slightly micaceous, slightly to moderately calcareous, very silty grading in part to argillaceous Siltstone

Claystone, medium dark grey to dark grey, soft, firm in part, common black silt to very fine glauconite grains, silt sized coaly and carbonaceous specks present in lesser amount, trace radiolarian, dark star like fossils? at top, slightly micaceous, slightly to moderately calcareous, very silty grading in part to argillaceous Siltstone

Claystone, medium dark grey to dark grey, soft to firm in part, non to slightly calcareous, very rare fragments calcite, trace black glauconite grains generally silt sized, very slightly micaceous

Claystone, medium dark grey to dark grey, soft, firm, blocky in part, non to slightly calcareous, rare fossil shell fragments, rare Inoceramus fragments, trace white micrite limestone, poor trace silt sized glauconite, rare finely disseminated and larger fragments pyrite at top absent with depth



180
190
200
210
220
230
240
250
260
270
280
290
300
310

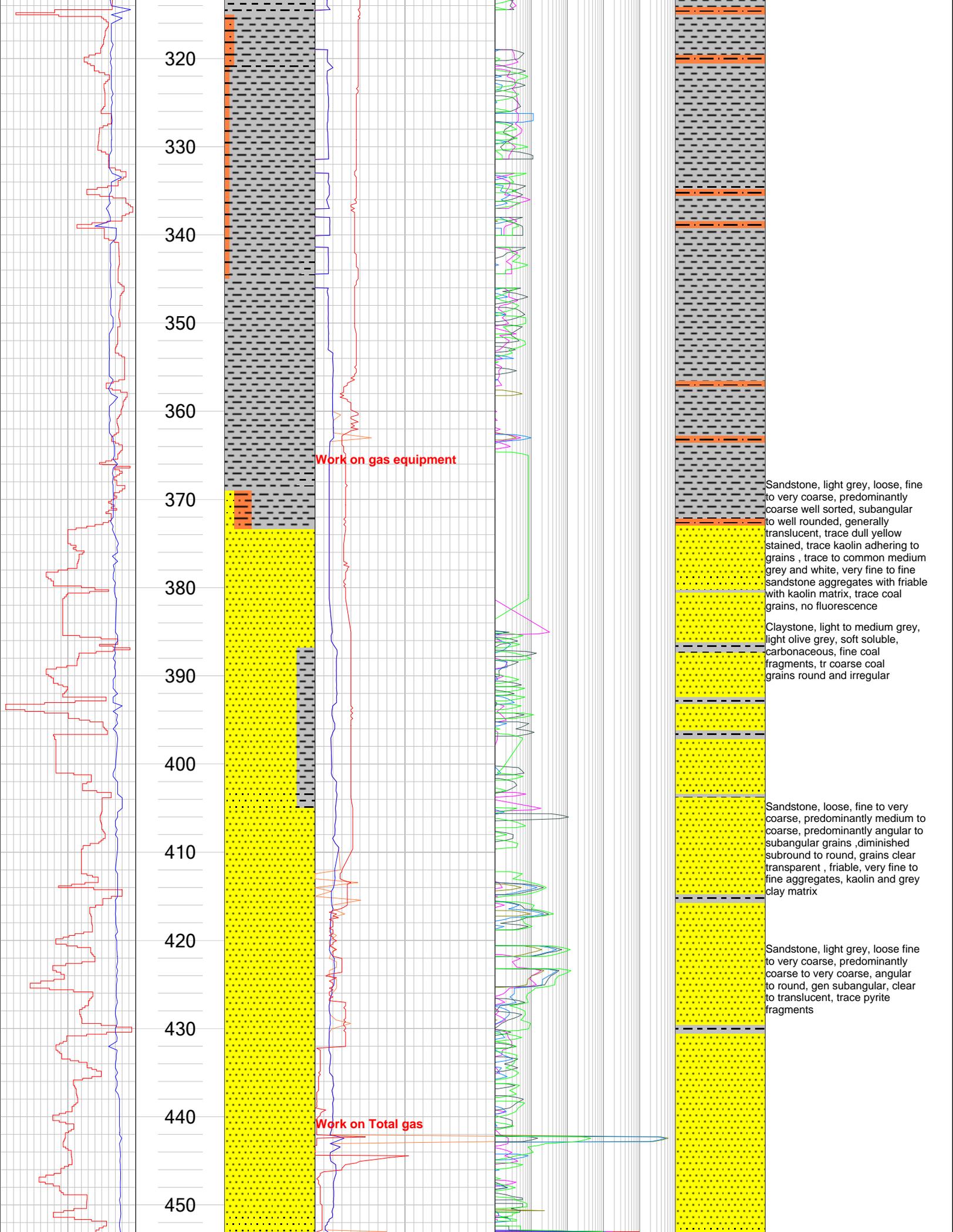
Work on Chromatograph Gas

Claystone medium dark grey to dark grey, soft, firm, blocky in part, non to slightly calcareous, rare fossil shell fragments, rare Inoceramus fragments, trace white micrite limestone, poor trace silt sized glauconite, rare finely disseminated and larger fragments pyrite at top absent with depth,

Claystone, medium dark grey to dark grey, soft to firm, non to slightly calcareous, poor trace very fine glauconite, silty grading in part to Siltstone with fine laminations of Sandstone, medium grey, friable, very fine grained, argillaceous matrix in part

TD 8.5" hole section on 12 Jan 2010 @ 0340hrs @ 248.5mMD

Claystone, medium dark gray, soft, poor trace coaly specks declining to rare with depth, silty grading in part to argillaceous Siltstone, trace to good trace very fine black glauconite grains, between 327m and 345m good trace black and dull green glauconite grains fine to medium grained, trace glauconite below this interval, slightly calcareous, rare fossil frags, slightly micaceous



320
330
340
350
360
370
380
390
400
410
420
430
440
450

Work on gas equipment

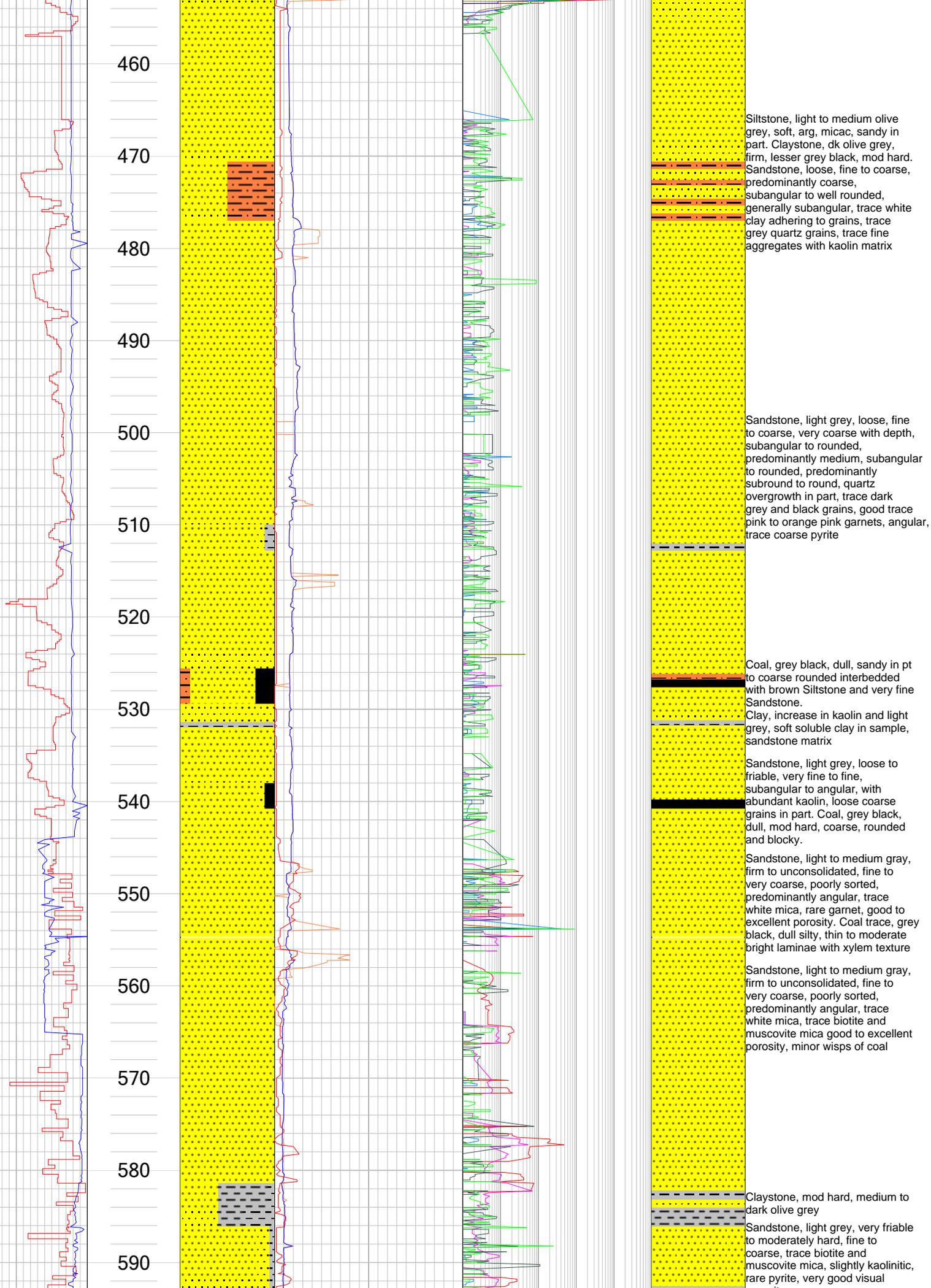
Work on Total gas

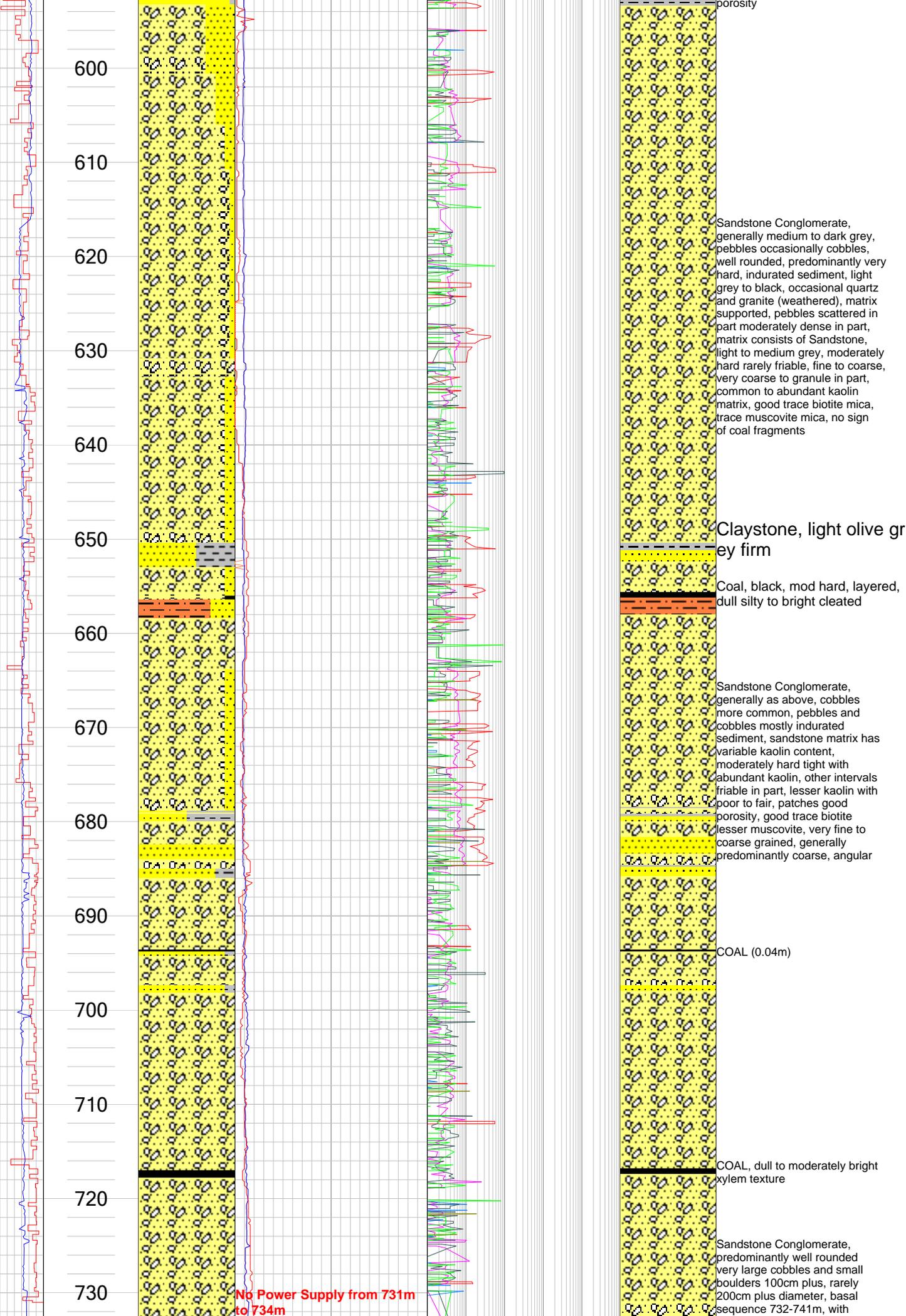
Sandstone, light grey, loose, fine to very coarse, predominantly coarse well sorted, subangular to well rounded, generally translucent, trace dull yellow stained, trace kaolin adhering to grains, trace to common medium grey and white, very fine to fine sandstone aggregates with friable with kaolin matrix, trace coal grains, no fluorescence

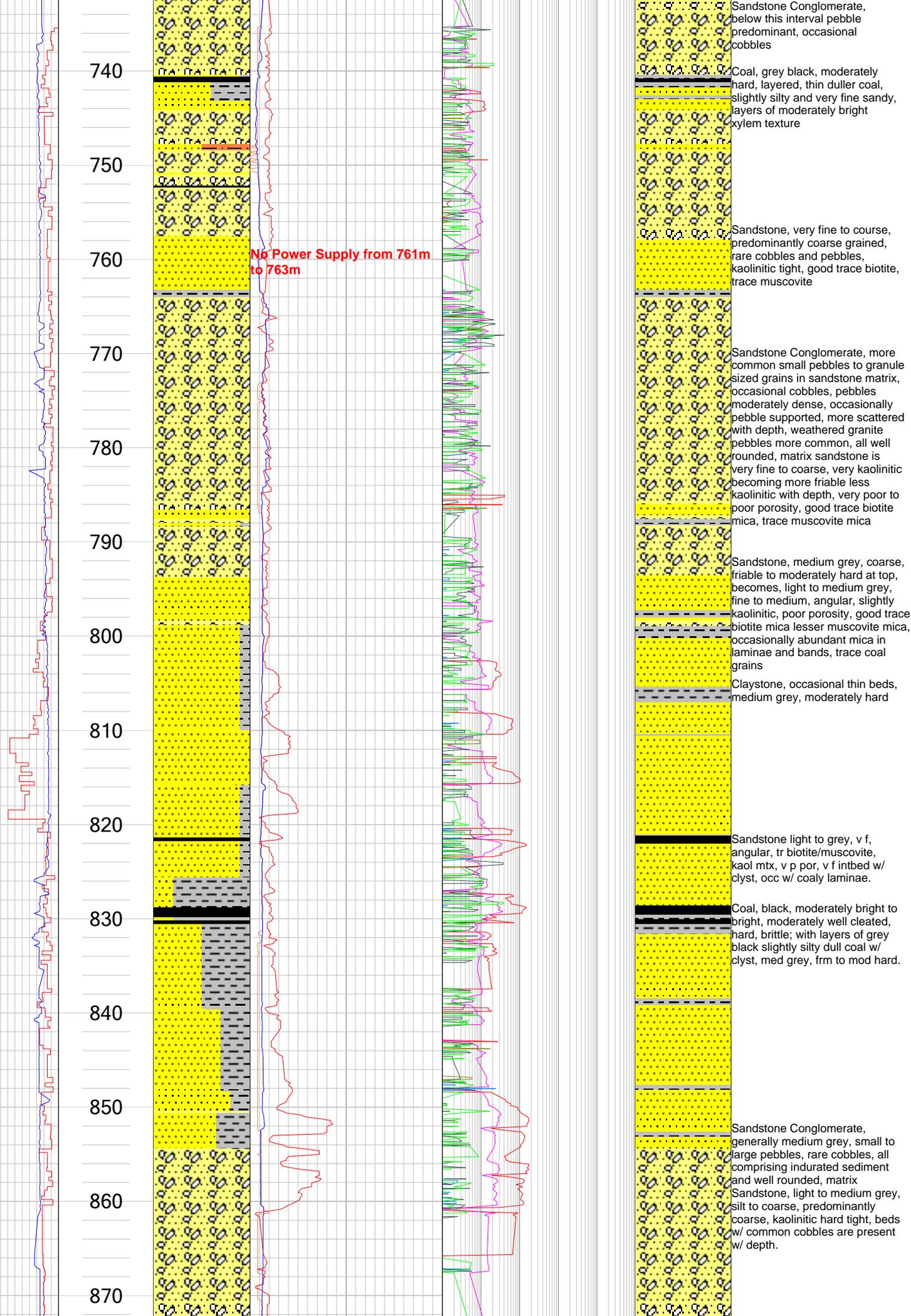
Claystone, light to medium grey, light olive grey, soft soluble, carbonaceous, fine coal fragments, tr coarse coal grains round and irregular

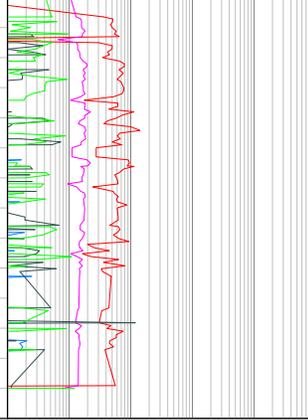
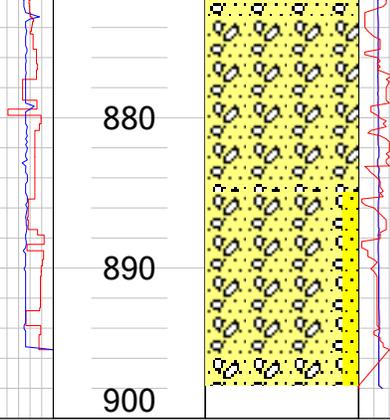
Sandstone, loose, fine to very coarse, predominantly medium to coarse, predominantly angular to subangular grains, diminished subround to round, grains clear transparent, friable, very fine to fine aggregates, kaolin and grey clay matrix

Sandstone, light grey, loose fine to very coarse, predominantly coarse to very coarse, angular to round, gen subangular, clear to translucent, trace pyrite fragments









WELL CBM93-003
TD @ 897m
on 26 January 2010
@ 1000hrs.