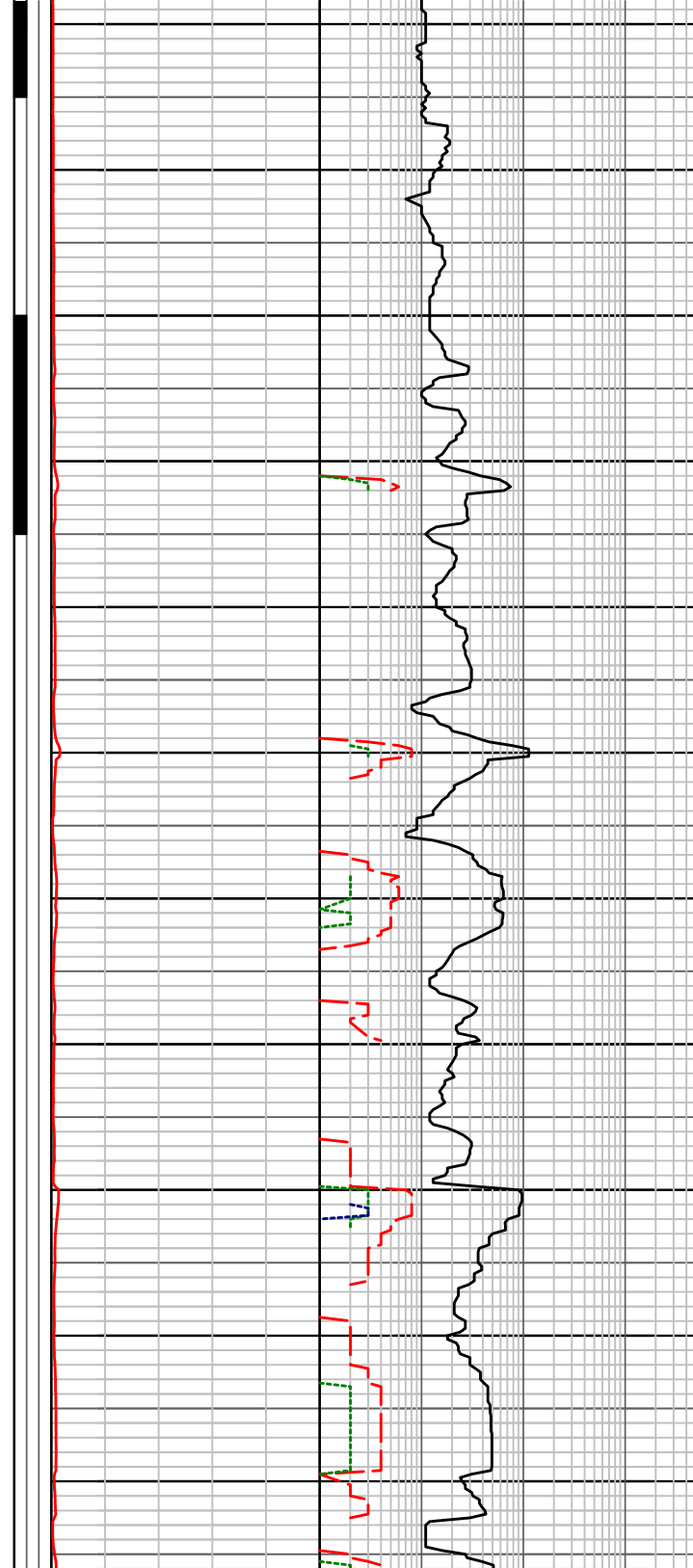
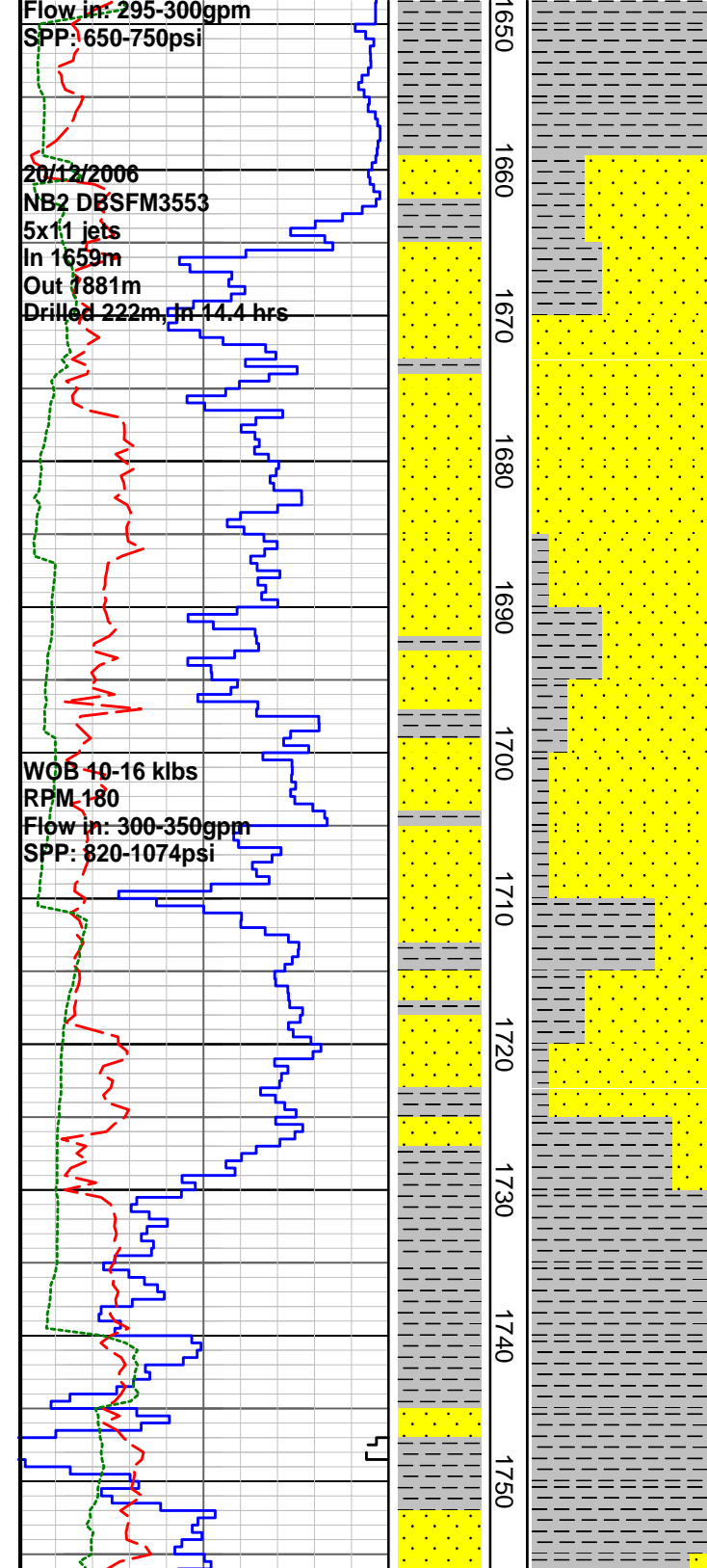
[illegible]

Flow in: 295-300gpm
SPP: 650-750psi

20/12/2006
NB2 DBSFM3553
5x11 jets
In 1659m
Out 1881m
Drilled 222m, in 14.4 hrs

WOB 40-16 klbs
RPM 180
Flow in: 300-350gpm
SPP: 820-1074psi



sbang-rnnd, mod srtd, abund off wh
arg mtx, strng sil & wk calc cmt,
abund off wh alt feld gr, com alt gy gn
volc lith gr, rr qtz gr, tr rd brn
lith, tr blk coal detri, hd, n vis por, n
oil fluor

Survey @ 1644m = 3 deg

Fluorescence: The calcite vn infill (1%
of total sample) has 50 - 60% bright
patchy to solid lt to med ylw oil fluor
giving a dull ylw wh crush cut fluor
with tr ylw wh film residue

Sandstone: lt-med gn gy, v f-fn, dom f
sbang-rnnd, mod srtd, abund off wh
arg mtx, strng sil & mod calc cmt,
abund off wh alt feld gr, com alt gy gn
volc lith gr, tr qtz gr, tr rd brn lith, tr
blk coal detri, comm crystalline calc
vn infill, hd, n vis por, n oil fluor

Fluorescence: The calcite vn infill (tr of
total sample) has 50% bright patchy
to solid lt to med ylw oil fluor giving a
dull ylw wh crush cut fluor with tr ylw
wh tr residue

MWIN: 9.35ppg Mud temp: 46deg
PV/YP: 20/11 FV: 52 Gels: 1/2
Solids: 5.9% pH: 12.5

Sandstone: lt-med gn gy, v f-f, dom f,
sbang-rnnd, mod srtd, abund off wh
arg mtx, strng sil & mod calc cmt,
abund off wh alt feld gr, com alt gy gn
volc lith gr, tr qtz gr, tr rd coal detri, tr
xtaline Calc vn infil, hd, n vis por, n oi
fluor

Claystone: med dk brn gy-med gn
gy-dk gy, sli-v slty, v f aren w alt feld
gr i/p, v carb i/p, tr blk carb flks, tr blk
coal detri, tr micmic, tr Calc lined
fractures, hd sbfiss

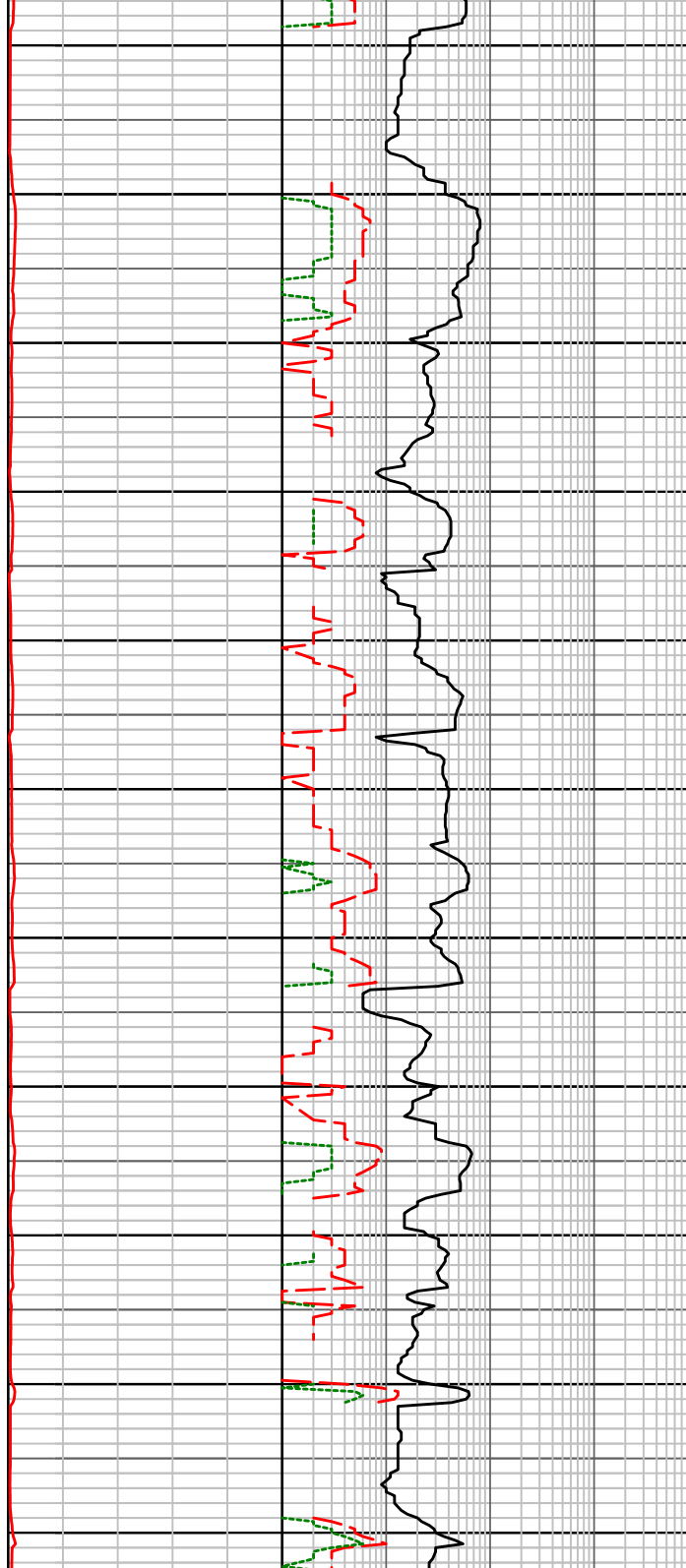
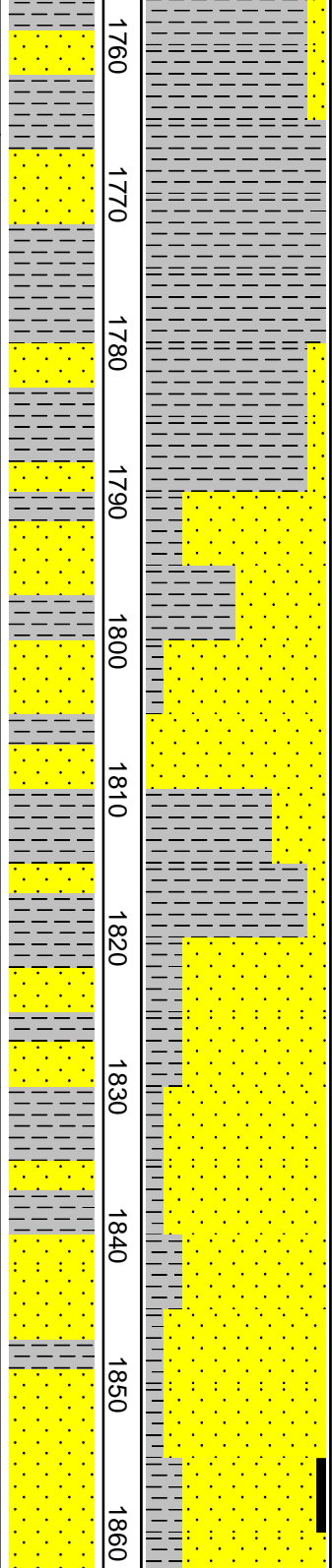
21/12/2006

WOB 10-20 klbs
RPM 110-150
Flow in: 300-350gpm
SPP: 820-1050psi

Torque sensor not working

WOB 7-20 klbs
Bit RPM 125-165
Flow in: 340-350gpm
SPP: 850-1050psi

Torque sensor not working



Survey @ 1748m = 4deg

1760-1765m: Fluorescence: The vn infill mat (1% of total sample) has tr bright patchy- solid lt-med ylw oil fluor giving dull ylw wh crush cut fluor with tr ylw wh film residue

Claystone: med-dk gy-med brn gy-med gn gy, sli-v slty, v f aren w alt feld gr i/p, occ v carb, tr blk carb flks, tr blk coal detri, tr micmic, com Calc & goethite lined fractures,

Sandstone: lt-med gn gy, v f-f, dom f, sbang-rndd, mod srtd, abund off wh arg mtx, strng sil & mod calc cmt, abund off wh alt feld gr, com alt gy gn volc lith gr, tr qtz gr, tr rd coal detri, com xtaline Calc & goetite vn infil, hd, n vis por, n oil fluor

1795-1800m: Fluorescence: The vn infill mat (1% of total sample) has tr bright patchy- solid lt-med ylw oil fluor giving dull ylw wh crush cut fluor with tr ylw wh film residue

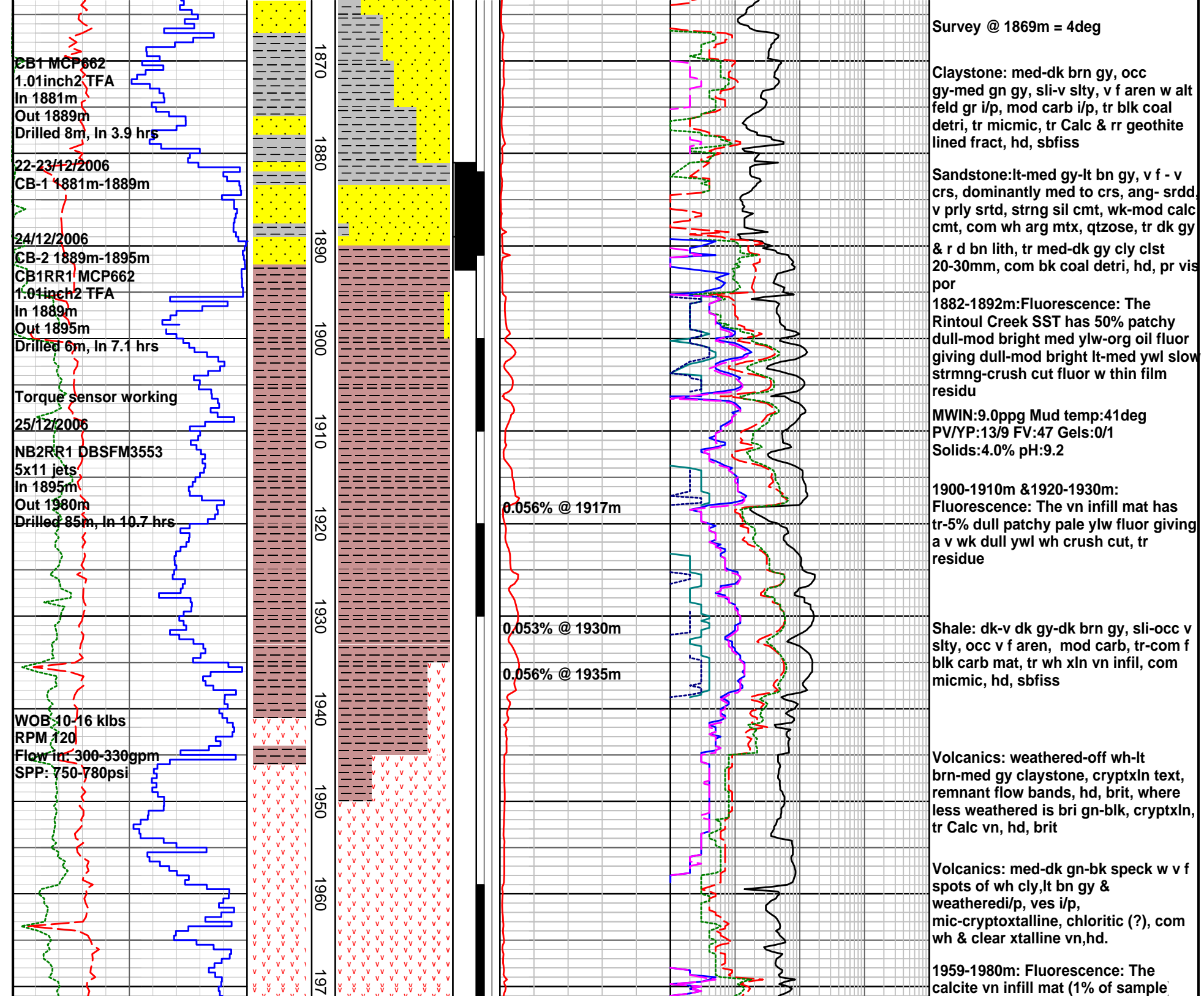
Survey @ 1819m = 4deg

Claystone: med brn gy-med gn gy-med-dk gy, sli-v slty, v f aren w alt feld i/p, occ v carb, tr blk carb flks, tr coal detri, tr micmic, tr-com Calc & geothite lined fract, hd sbfis

Sandstone: lt-med gn gy, v f-med, dom f, sbang-rndd, mod srtd, abund off wh arg mtx, strng sil & calc cmt, abund off wh alt feld gr, com alt gy gn volc lith gr, tr qtz, tr rd brn lith, tr blk coal detri, tr xtaline Calc & goethite vn infil, hd, n vis por, n oil fluor

MWIN: 8.95ppg Mud temp: 46deg
PV/YP: 14/9 FV: 46 Gels: 0/1
Solids: 3.7% pH: 10

1855-1860m: Fluorescence: The vn infill mat (tr of total sample) has 10% bright patchy-solid lt-med ylw oil fluor giving dull ywl wh crush cut fluor w tr ylw wh ring



Survey @ 1869m = 4deg

Claystone: med-dk brn gy, occ gy-med gn gy, sli-v slty, v f aren w alt feld gr i/p, mod carb i/p, tr blk coal detri, tr micmic, tr Calc & rr geothite lined fract, hd, sbfiss

Sandstone:lt-med gy-lt bn gy, v f - v crs, dominantly med to crs, ang- srdd, v prly srted, strng sil cmt, wk-mod calc cmt, com wh arg mtz, qtzose, tr dk gy & r d bn lith, tr med-dk gy cly clst 20-30mm, com bk coal detri, hd, pr vis por

1882-1892m:Fluorescence: The Rintoul Creek SST has 50% patchy dull-mod bright med ylw-org oil fluor giving dull-mod bright lt-med ywl slow strmg-crush cut fluor w thin film residu

MWIN:9.0ppg Mud temp:41deg PV/YP:13/9 FV:47 Gels:0/1 Solids:4.0% pH:9.2

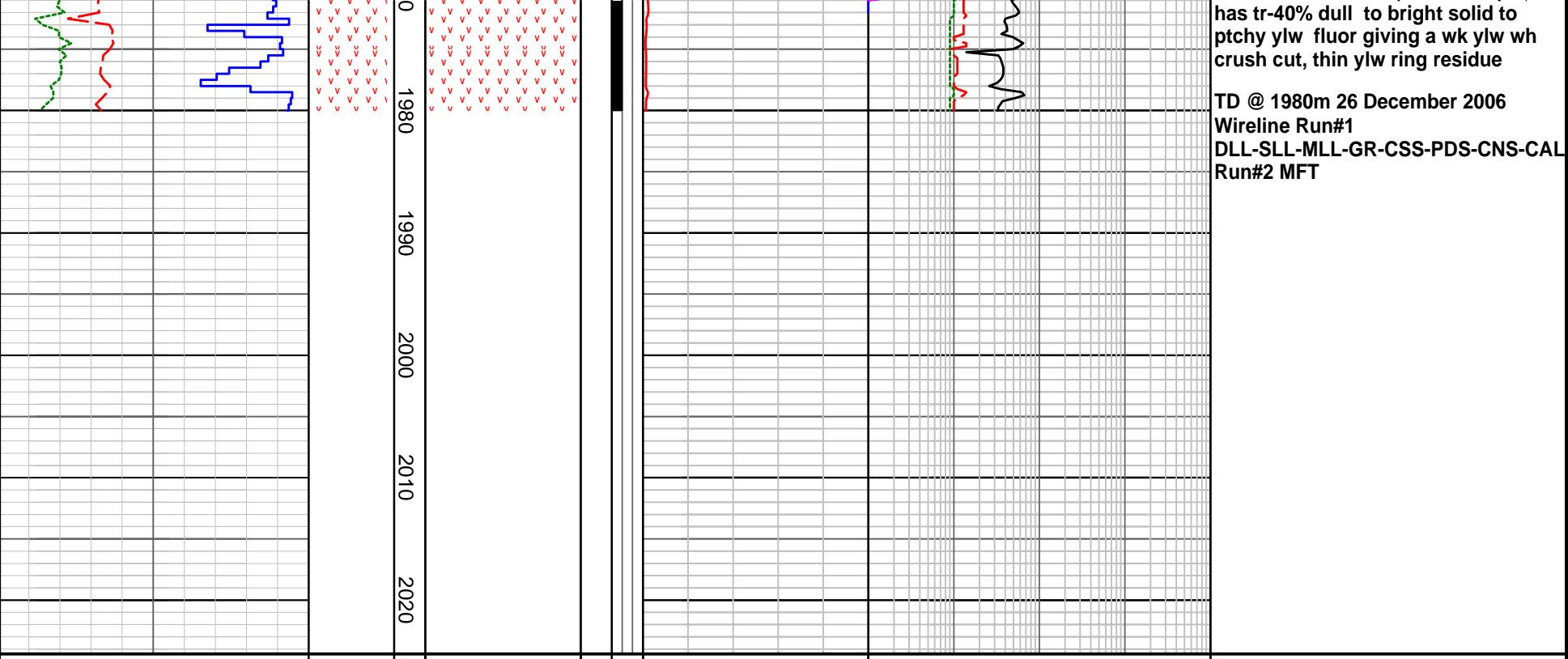
1900-1910m &1920-1930m: Fluorescence: The vn infill mat has tr-5% dull patchy pale ylw fluor giving a v wk dull ywl wh crush cut, tr residue

Shale: dk-v dk gy-dk brn gy, sli-occ v slty, occ v f aren, mod carb, tr-com f blk carb mat, tr wh xln vn infil, com micmic, hd, sbfiss

Volcanics: weathered-off wh-lt brn-med gy claystone, cryptxln text, remnant flow bands, hd, brit, where less weathered is bri gn-blk, cryptxln, tr Calc vn, hd, brit

Volcanics: med-dk gn-bk speck w v f spots of wh cly,lt bn gy & weatheredi/p, ves i/p, mic-cryptxtalline, chloritic (?), com wh & clear xtalline vn,hd.

1959-1980m: Fluorescence: The calcite vn infill mat (1% of sample



FORMATION EVALUATION LOG

RATE OF PENETRATION										INTERPRETED LITHOLOGY	MD meters 1:500	LITHOLOGY	CORE	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH				REMARKS
ROP (0-50m/hr)																1	Methane ppm		10000	
Backup ROP (50-200m/hr)																1	Ethane ppm		10000	
WOB (klb)																1	Propane ppm		10000	
TORQUE AVG																1	iso-Butane ppm		10000	
																1	n-Butane ppm		10000	
																1	iso-Pentane ppm		10000	
																n-Pentane ppm				
																10	100	1000	10000	