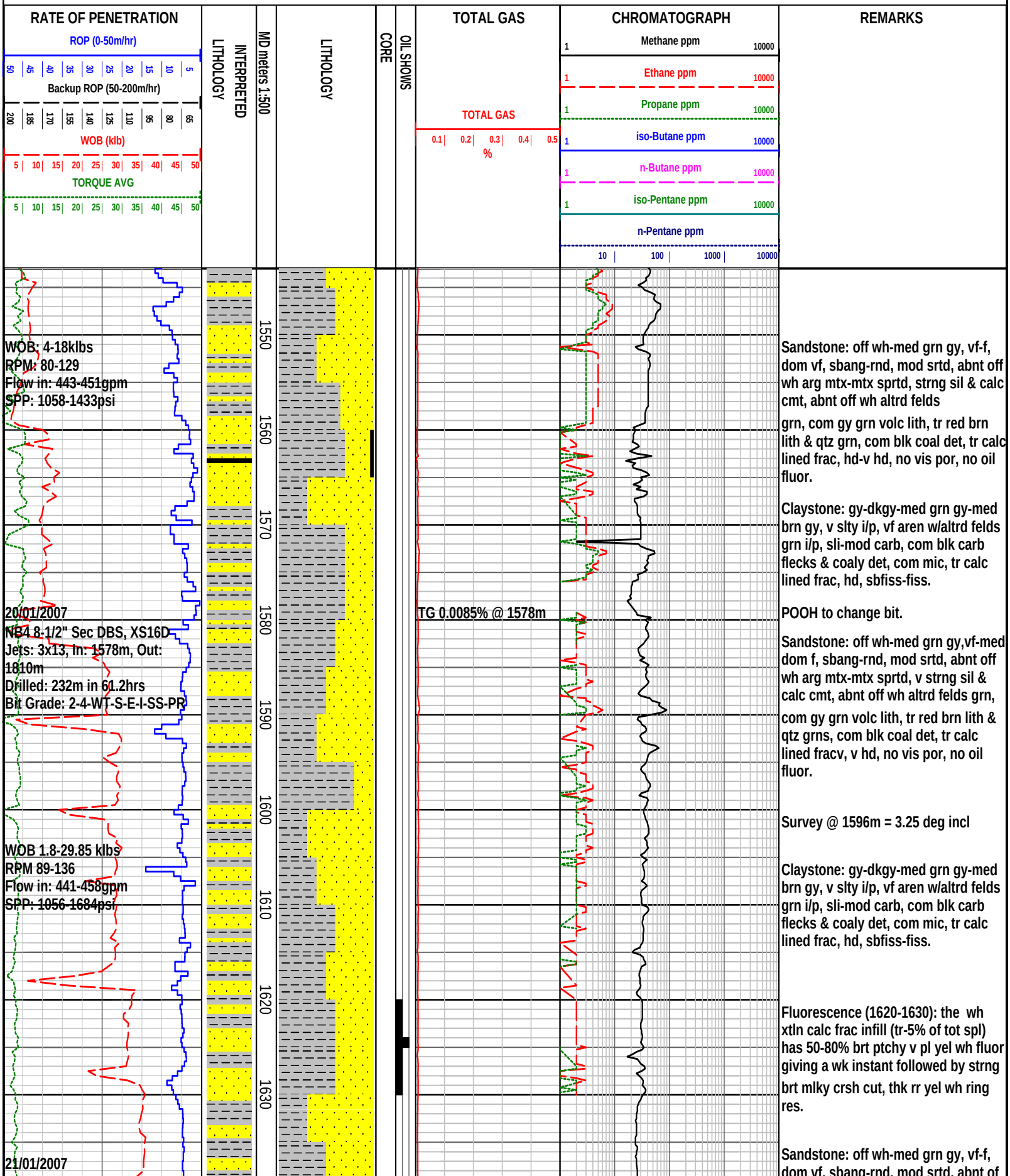
BAKER HUGHES INTEQ

Company : Karoon Gas Pty Ltd
Well : Megascolides 2
Interval : 1543.00 - 2111.70 meters
Created : 29/Jan/2007 7:05:43 PM

KAROON Gas Australia

FORMATION EVALUATION LOG



Sandstone: off wh-med grn gy, vf-f, dom vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith & qtz grn, com blk coal det, tr calc lined frac, hd-v hd, no vis por, no oil fluor.

Claystone: gy-dkgy-med grn gy-med brn gy, v slty i/p, vf aren w/altrd felds grn i/p, sli-mod carb, com blk carb flecks & coaly det, com mic, tr calc lined frac, hd, sbfiss-fiss.

POOH to change bit.

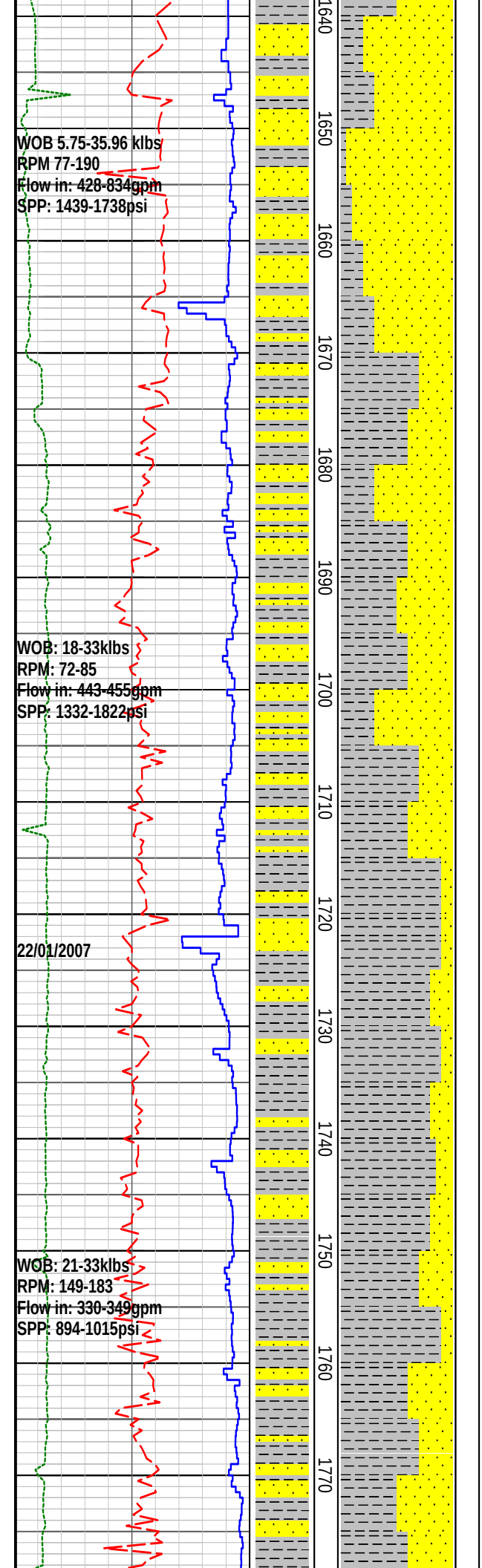
Sandstone: off wh-med grn gy,vf-med dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith & qtz grns, com blk coal det, tr calc lined fracv, v hd, no vis por, no oil fluor.

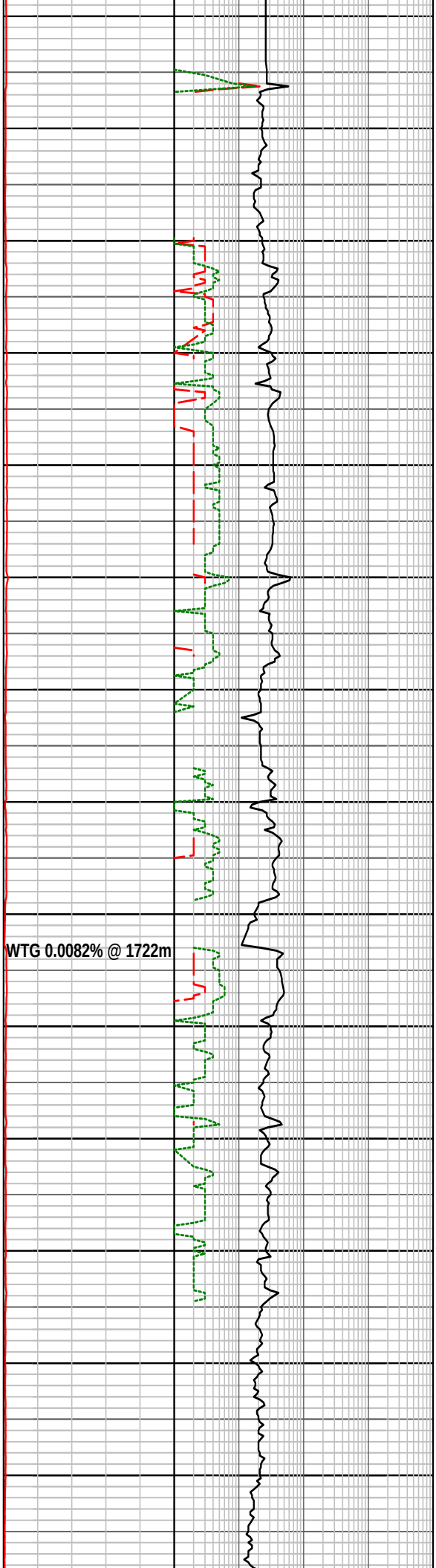
Survey @ 1596m = 3.25 deg incl

Claystone: gy-dkgy-med grn gy-med brn gy, v slty i/p, vf aren w/altrd felds grn i/p, sli-mod carb, com blk carb flecks & coaly det, com mic, tr calc lined frac, hd, sbfiss-fiss.

Fluorescence (1620-1630): the wh xtln calc frac infill (tr-5% of tot spl) has 50-80% brt ptchy v pl yel wh fluor giving a wk instant followed by strng brt mlky crsh cut, thk rr yel wh ring res.

Sandstone: off wh-med grn gy, vf-f, dom vf, sbang-rnd, mod srtd, abnt of





wh arg mtx-mtx sprtd, strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith, tr blk coal det, tr calc lined frac, hd-v hd, no vis por, no oil fluor.

MWIN:9.0ppg Mud temp:54deg
PV/YP:19/19 FV:51 Gels:2/3
Solids:4.3% pH:10.0

Sandstone: off wh-med grn gy, vf-f, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith, tr-com blk coal det, tr calc lined frac, v hd, no vis por, no oil fluor.

Claystone: gy-dkgy-occ med brn gy-med grn gy, v slty i/p, vf aren w/altrd felds grn i/p, mod carb, tr-com blk carb flecks & coaly det, com mic, tr calc lined frac, hd, sbfiss-fiss.

Survey @ 1710m = 3 deg incl

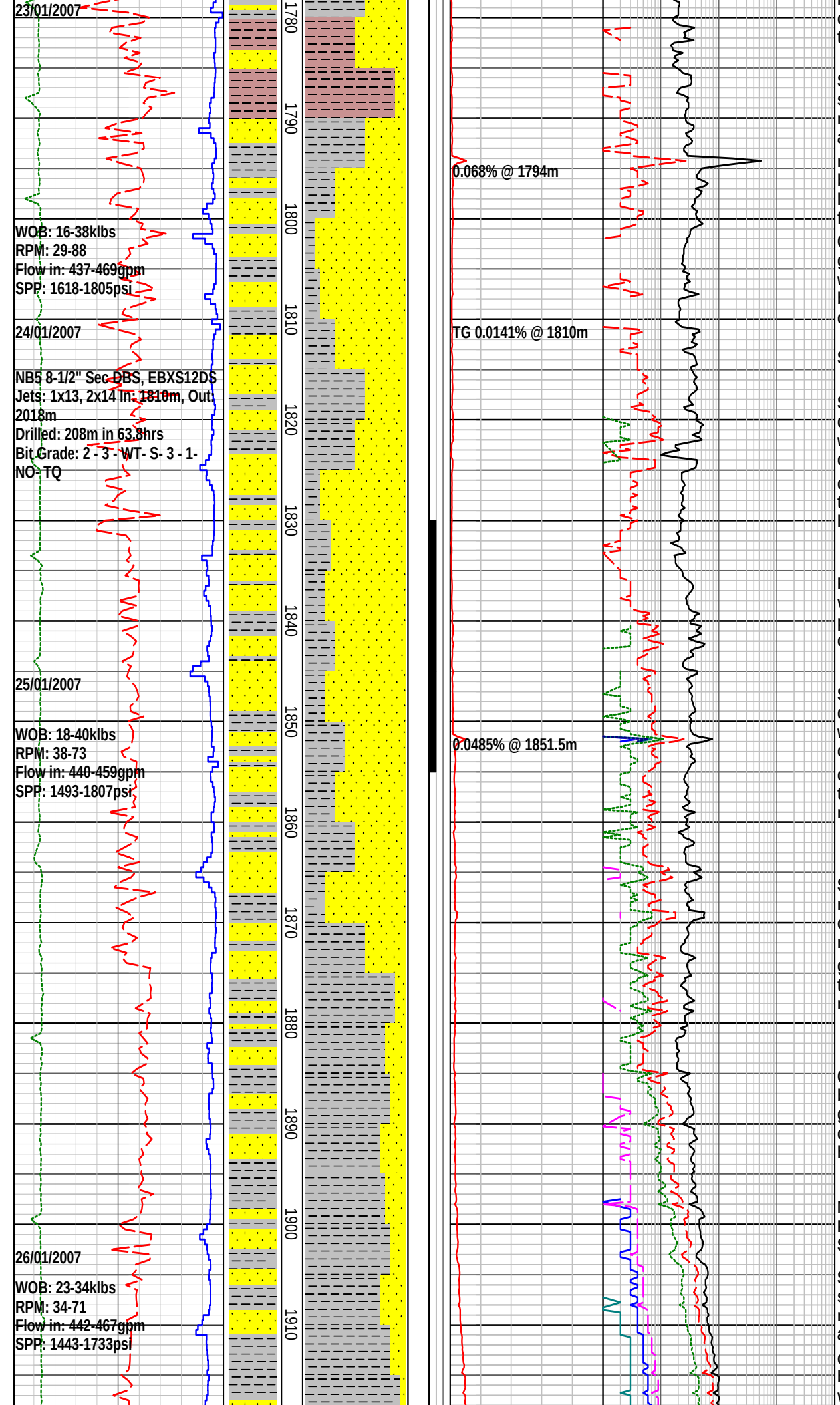
Sandstone: off wh-med grn gy, vf-f, dom vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith, tr blk coal det, tr calc lined frac, hd-v hd, no vis por, no oil fluor.

Claystone: gy-dk gy-med brn gy, v slty i/p, vf aren w/altrd felds gr i/p, mod carb, tr-com blk carb flecks & coal det, com micmic, rr calc lined frac, hd, sbfiss-fiss.

Sandstone: off wh-med grn gy, vf-f, dom f sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & mod calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith & qtz grn, tr-com blk coal det, rr calc lined frac, v hd, no vis por, no oil fluor.

MWIN:9.15ppg Mud temp:58deg
PV/YP:23/25 FV:56 Gels:3/4
Solids:5.3% pH:10.2

Shale: med brn-med dk brn gy-dk gy,



mod slty i/p, mod carb, tr micmic, t calcite & geothite lined fract, hd, sil text, subfiss.

Sandstone: off wh-med grn, vf-occ f, sbrnd-rnd, mod srtd, abnt gn argil mtx, v strng sil, wk-mod calc cmt, abnt altd feld gr, com gy gn lith, com rd brn lith, tr qtz gr, tr f brn mic flks, tr blk coal det, tr calcite and geothite lined frac, v hd, no vis por, no oil fluor.

Claystone: off wh-med brn-med brn gy-med dk gy, v slty i/p, v f aren w/altrd felds grn i/p, sl-v carb, tr-com blk carb flks & coal det, com mic, tr calc lined frac, hd sbfiss-fiss.

Survey @ 1812m = 2.25 deg incl

Sandstone: off wh-med grn gy, vf-f, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil, mod calc cmt, abnt off wh altrd felds gr, com gy grn rd & brn lith, tr-com qtz gr, tr-com blk coal det, tr calc lined frac, v hd, no vis por, no oil fluor.

Fluorescence (1830-1855): the calc vein infill has tr-20% mod brt, ptchy, v pl, yel fluor, giving a wk mlky wh crsh cut, tr res.

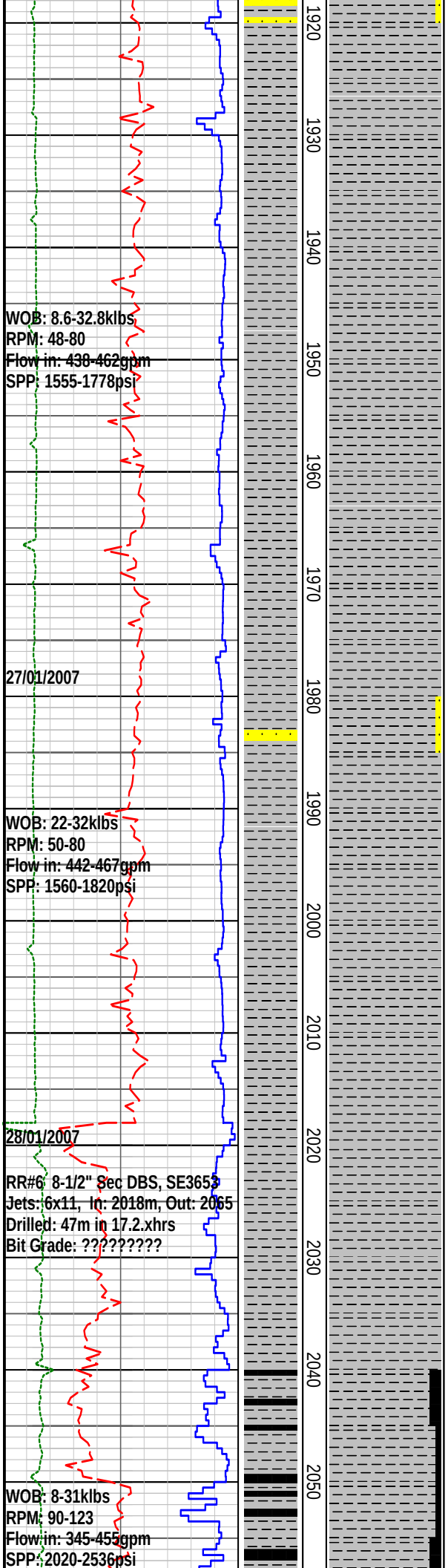
Sandstone: off wh-med grn gy, vf-f, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil, mod calc cmt, abnt off wh altrd felds gr, com gy grn rd & brn lith, tr-com qtz gr, tr blk coal det, tr calc lined frac, v hd, no vis por, no intergranular oil fluor.

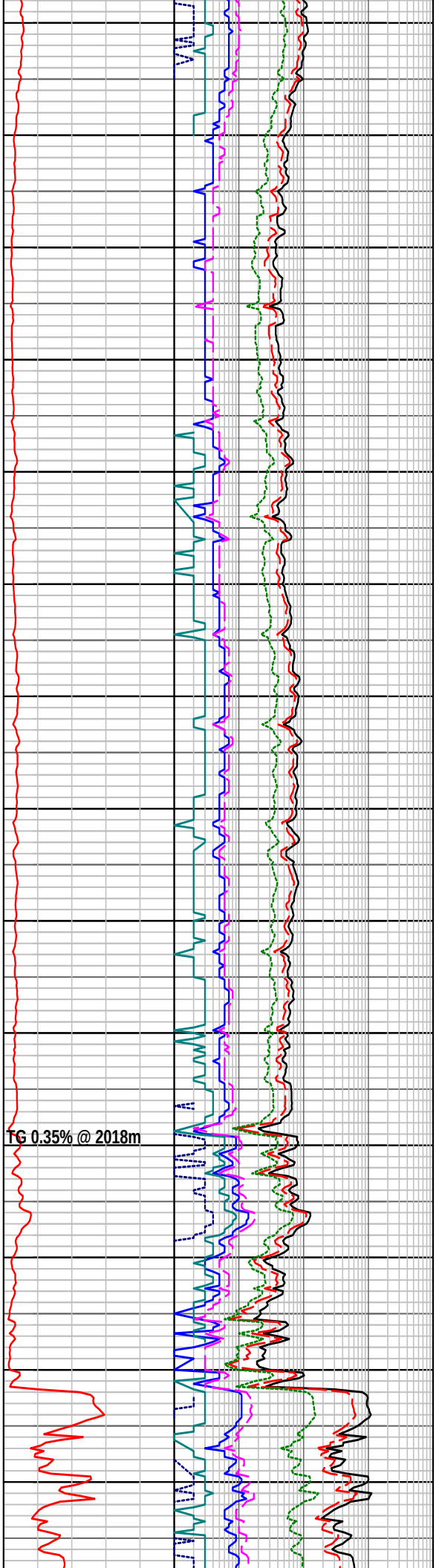
Sandstone: off wh-med grn gy, vf-occ med, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil, mod calc cmt, abnt off wh altrd felds gr, com gy grn, rd & brn lith, tr qtz gr, tr blk coal det, tr calc lined frac, v hd, no vis por, no oil fluor.

Claystone: lt-v dk gy-med brn gy-med brn, occ v slty, v f aren w/altrd felds grn i/p, mod carb, tr blk carb flks & coal det, com mic, tr calc lined frac, hd sbfiss.

MWIN:9.20ppg Mud temp:59deg PV/YP:19/21 FV:55 Gels:3/3 Solids:5.7% pH:10.0

Sandstone: off wh-med brn gy, vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & calc cmt, abnt off wh altrd felds gr, mtx sprtd, com gy grn, rd & brn lith, tr qtz gr, tr blk coal det, tr calc lined frac, v hd, no vis por, no oil fluor.





Claystone: dk-v dk gy, occ mod slty, rr v f aren w/altrd felds grn, mod-dom v carb, tr blk carb flks & coal det, com mic, tr calc lined frac, hd sbfiss.

Claystone: dk-v dk gy, occ mod slty, rr v f aren w/altrd felds grn, mod-dom v carb, tr blk carb flks & coal det, com mic, tr calc lined frac, hd sbfiss.

Claystone: dk-v dk gy, rr med brn gy,occ mod slty, mod-dom v carb, tr black carb flcks, coaly det, com micmic, rr calc lnd fract, hd-sbfiss

MWIN:9.30ppg Mud temp:59.2deg
PV/YP:20/22 FV:56
Gels:4/5
Solids:6.4% pH:9.8

Sandstone: off wh-med brn gy, vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, abnt off wh altrd felds gr, no shows

Claystone: dk-v dk brn, occ slig slty, dom v carb, tr blk carb flks & coal det, com mic, tr calc lined frac, hd sbfiss.

MWIN:9.25ppg Mud temp:59.1deg
PV/YP:19/23 FV:55 Gels:4/6
Solids:6.0% pH:10.5

POOH to change bit.

Claystone: dk-v dk gy, rr med brn gy,occ mod slty, mod-dom v carb, tr black carb flcks, coaly det, com micmic, rr calc lnd fract, hd-sbfiss

Coal: dom v dkbrn, v argill, blk where cln, sbvit-ethy lstr,plty-blky fract, com slcknsd sfc,hd-brit,n fluor but gv a wk dull yell crsh cut,tr res

Claystone: dk-v dkbrn, sli slty, v carb-grd -coal,tr micmic, hd,sbfiss

29/01/2007

NB#7 8-1/2" Sec DBS, EBXS16DS
~~Jets: 6x11, In: 2065m, Out:~~ XXXX m
Drilled: xxxm in xxx.xhrs
Bit Grade: ?????????

2060
2070
2080
2090
2100
2110

MWIN:9.30ppg Mud temp:54.3deg
PV/YP:19/26 FV:58 Gels:4/6
Solids:6.4% pH:10

POOH

FORMATION EVALUATION LOG

RATE OF PENETRATION

ROP (0-50m/hr)
50 45 40 35 30 25 20 15 10 5
Backup ROP (50-200m/hr)
200 185 170 155 140 125 110 95 80 65
WOB (klb)
5 10 15 20 25 30 35 40 45 50
TORQUE AVG
5 10 15 20 25 30 35 40 45 50

INTERPRETED LITHOLOGY

MD meters 1:500

LITHOLOGY

CORE

OIL SHOWS

TOTAL GAS

TOTAL GAS
0.1 0.2 0.3 0.4 0.5
%

CHROMATOGRAPH

Methane ppm 1 10000
Ethane ppm 1 10000
Propane ppm 1 10000
iso-Butane ppm 1 10000
n-Butane ppm 1 10000
iso-Pentane ppm 1 10000
n-Pentane ppm
10 100 1000 10000

REMARKS