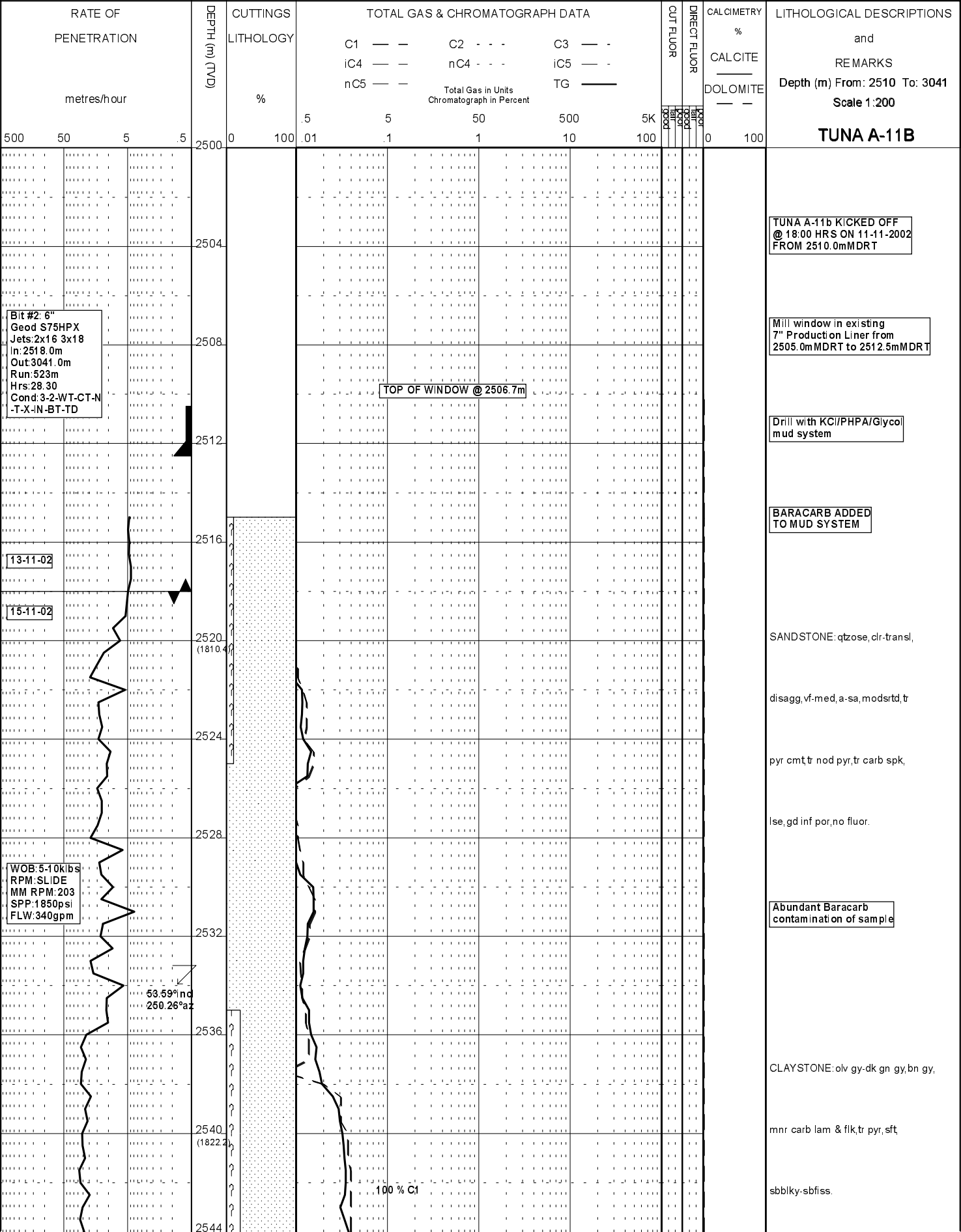
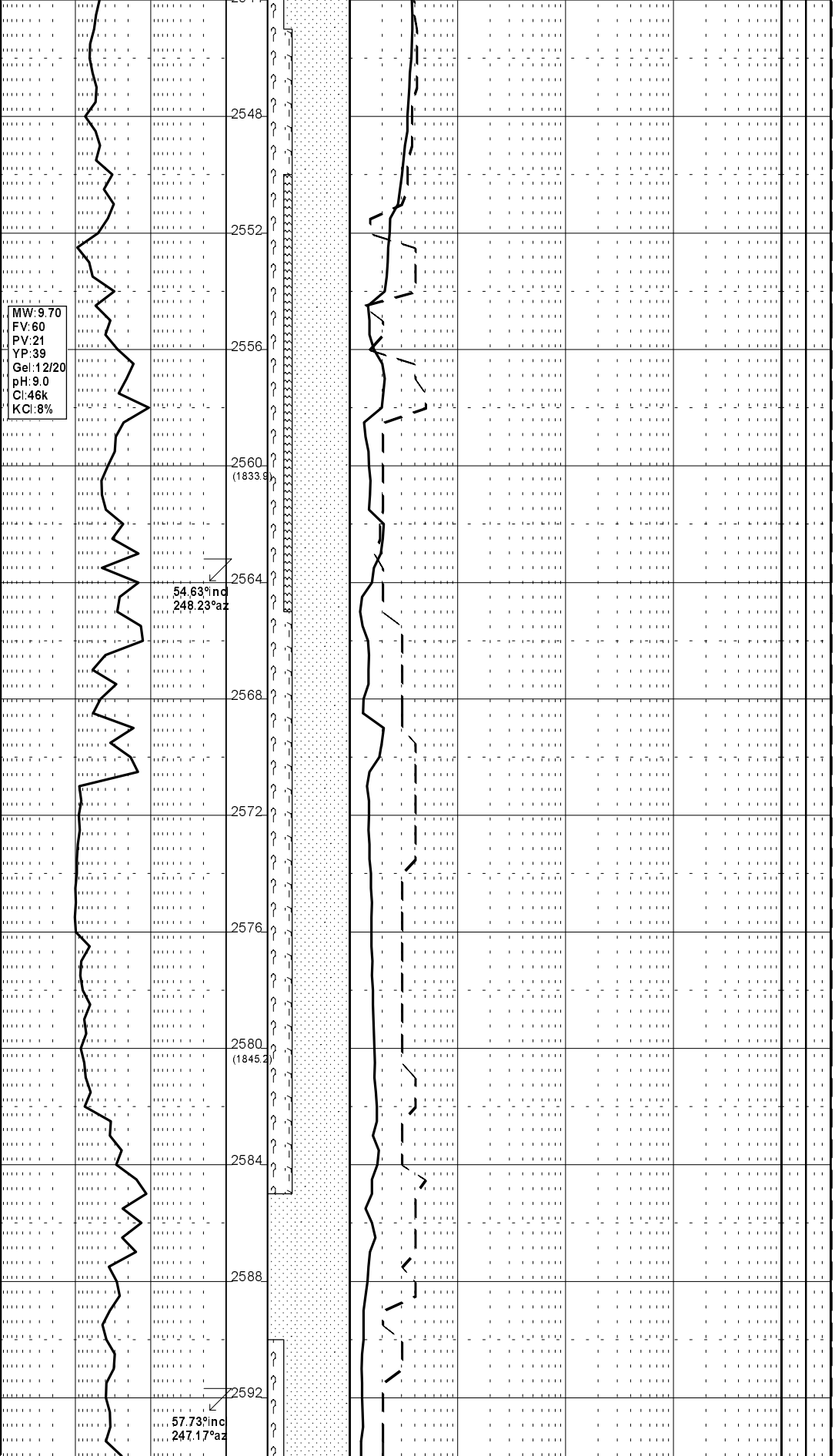

RATE OF PENETRATION
metres/hour
500 50 5 .5
DEPTH (m) (TVD)
CUTTINGS LITHOLOGY
%
0 100
TOTAL GAS & CHROMATOGRAPH DATA
C1 C2 C3
iC4 nC4 iC5
nC5 TG
Total Gas in Units
Chromatograph in Percent
.5 5 50 500 5K
.01 .1 1 10 100
CUT FLUOR
DIRECT FLUOR
good fair poor
CALCIMETRY
%
CALCITE
DOLOMITE
0 100
LITHOLOGICAL DESCRIPTIONS and REMARKS
Depth (m) From: 2510 To: 3041
Scale 1:200
TUNA A-11B
2500
2504
2508
2512
2516
2520
(1810.4)
2524
2528
2532
2536
2540
(1822.2)
2544
Bit #2: 6"
Geod S75HPX
Jets:2x16 3x18
In:2518.0m
Out:3041.0m
Run:523m
Hrs:28.30
Cond:3-2-WT-CT-N
-T-X-IN-BT-TD
13-11-02
15-11-02
WOB:5-10klbs
RPM:SLIDE
MM RPM:203
SPP:1850psi
FLW:340gpm
53.59°inc
250.26°az
TOP OF WINDOW @ 2506.7m
100 % C1
TUNA A-11b KICKED OFF
@ 18:00 HRS ON 11-11-2002
FROM 2510.0mMDRT
Mill window in existing
7" Production Liner from
2505.0mMDRT to 2512.5mMDRT
Drill with KCl/PHPA/Glycol
mud system
BARACARB ADDED
TO MUD SYSTEM
SANDSTONE: qtzose, clr-transl,
disagg, vf-med, a-sa, modsrtd, tr
pyr cmt, tr nod pyr, tr carb spk,
lse, gd inf por, no fluor.
Abundant Baracarb
contamination of sample
CLAYSTONE: olv gy-dk gn gy, bn gy,
mnr carb lam & flk, tr pyr, sft,
sbblky-sbfiss.



CLAYSTONE: lt bn gy-bn gy i/p,

abdt carb lam, tr pyr, sft-occ

frm, sbblky-sbfiss.

SILTSTONE: dk gy-blk, carb, g/t

Coal, sbfiss-occ splint,

mod hd-brit

SANDSTONE: qtzose, clr, vf-f,

mod wl srt, sa-ang, mnr pyr cmt,

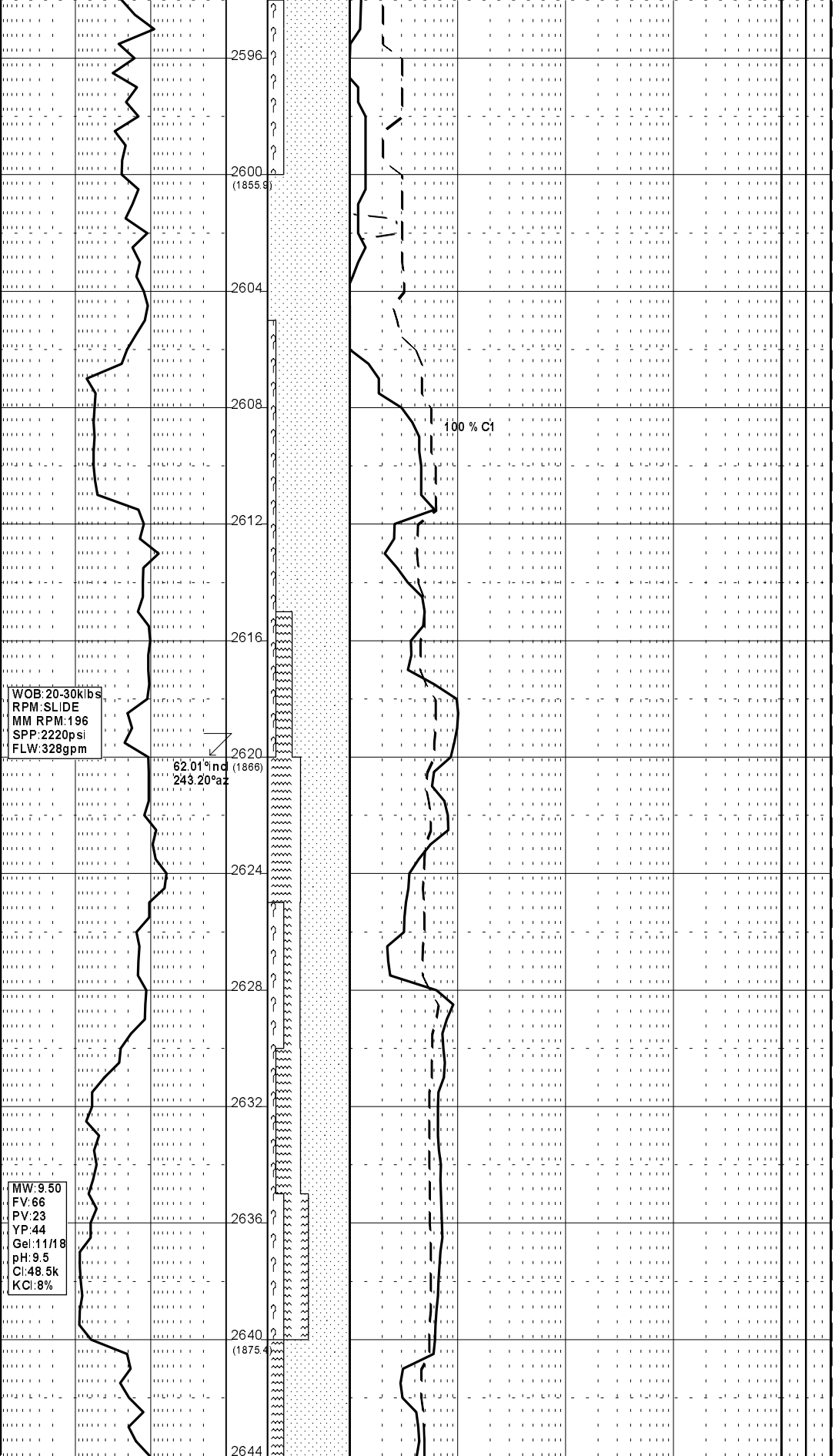
tr nod pyr, tr carb spk, predy

lse, tr sil mtx, gd inf por,

no fluor.

CLAYSTONE: lt olv gy, bn gy,

sbblky, gen sft, sl disp, tr



pyr,occ slty.

SANDSTONE:qtzose,clr-v lt gy,

f-med,wl srt,sa-sr,predy uncons,

rr agg,rr sil cmt,tr pyr,tr blk

lith spk,gd inf por,no fluor.

SILTSTONE:dk bn-dk bn gy,carb

g/t Coal i/p,tr vf aren,tr

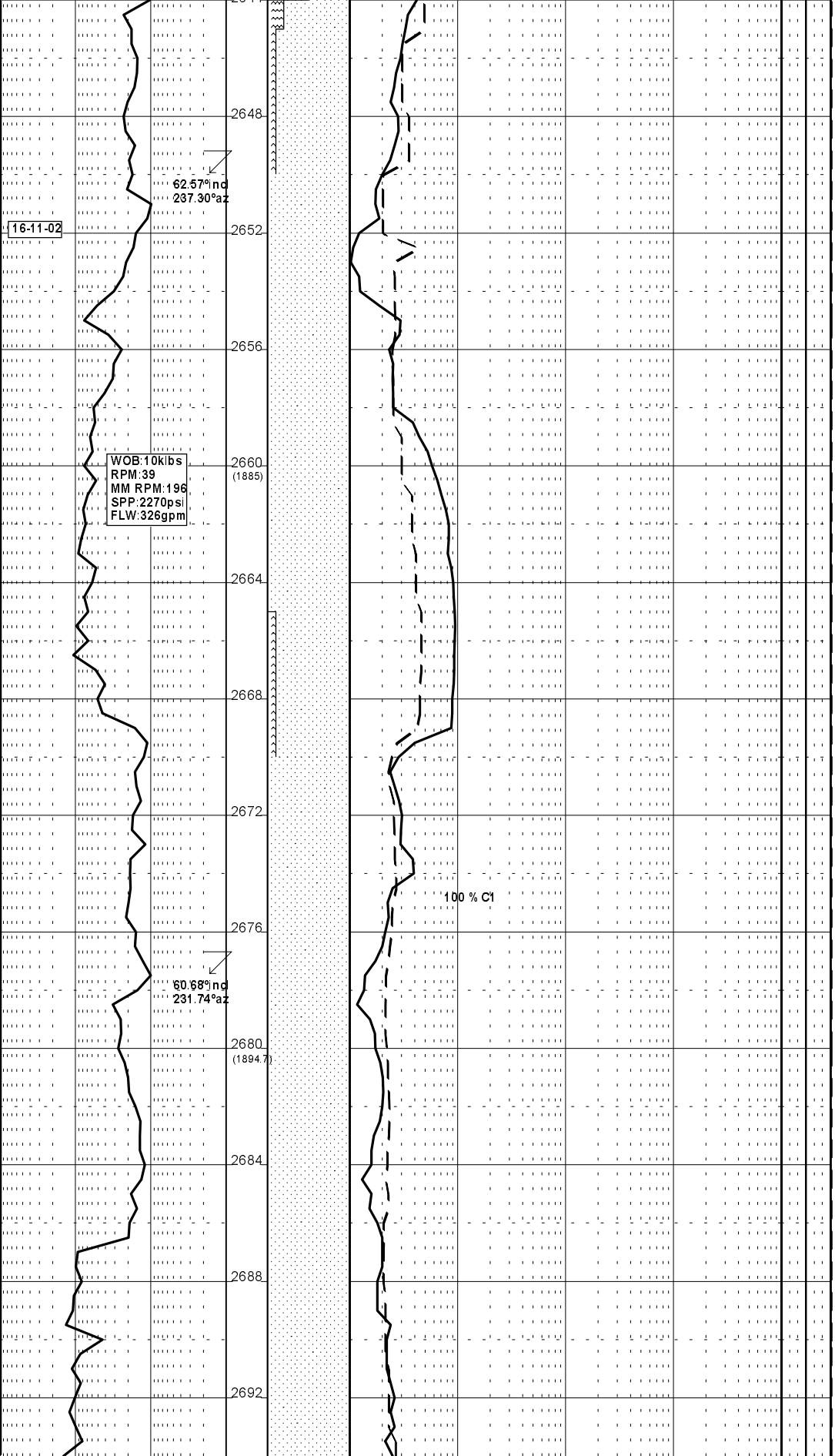
dissem pyr,frm,com sft,sbfiss.

CLAYSTONE:lt gy-lt bn gy,g/t

Sltst i/p,tr vf aren,v sft-disp,

amor.

SANDSTONE:qtzose,clr,f-med,



occ crs,mod pr srt,sa-a,tr sil

cmt,rr lt bn gy arg mtx,rr nod

pyr,rr carb spk,lse,gd inf por,

no fluor.

SILTSTONE:lt-med gy,com carb

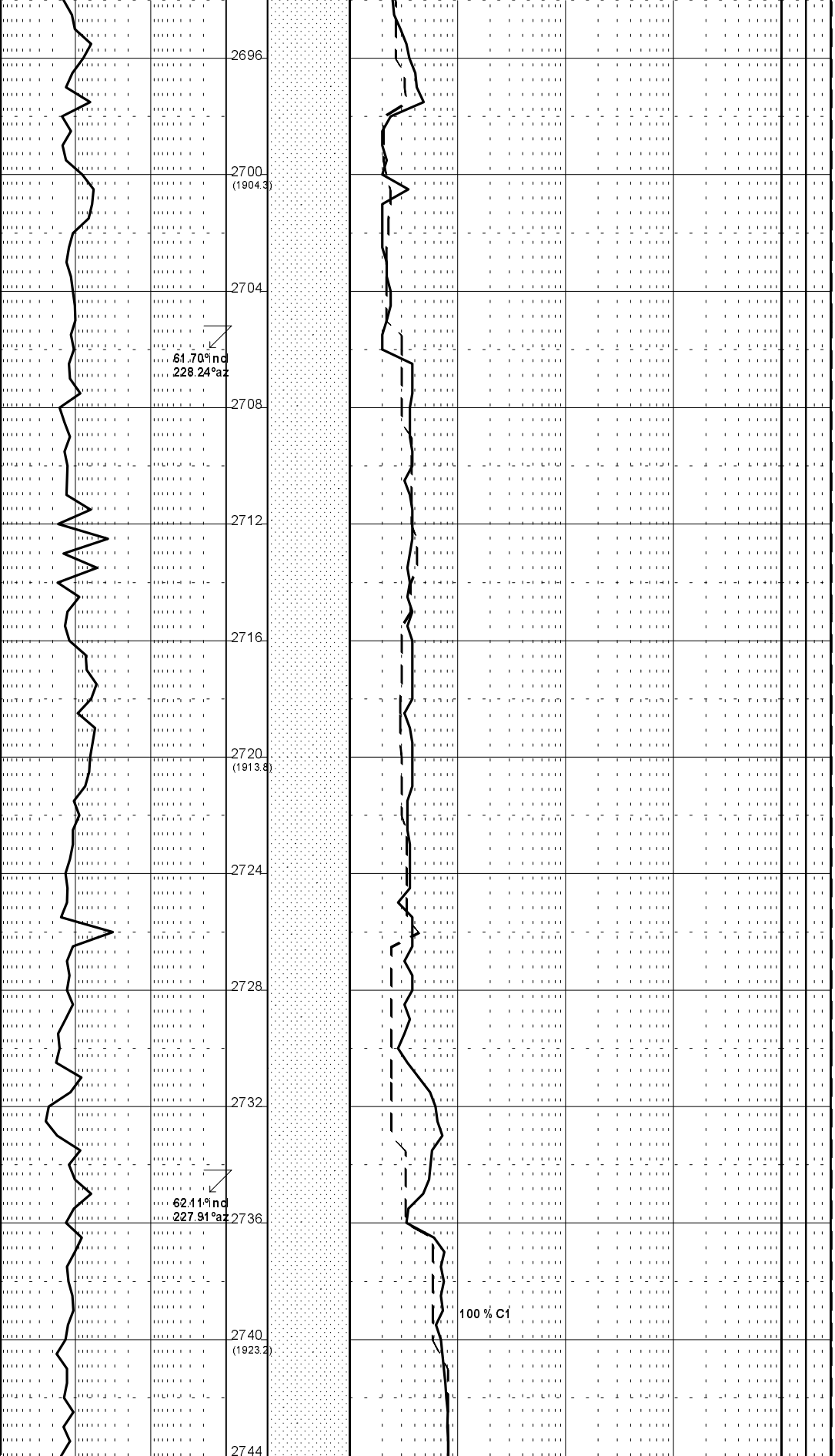
lam,tr pyr,frm,sbfiss-fiss.

SANDSTONE:qtzose,clr,f-med,wl

srt,sa-sr,rr sil cmt,rr-tr

pyr,rr carb spk,gd inf por,

no fluor.



SANDSTONE: qtzose, f-med, occ c, wl

srt, sa-sr, rr sil cmt, rr pyr,

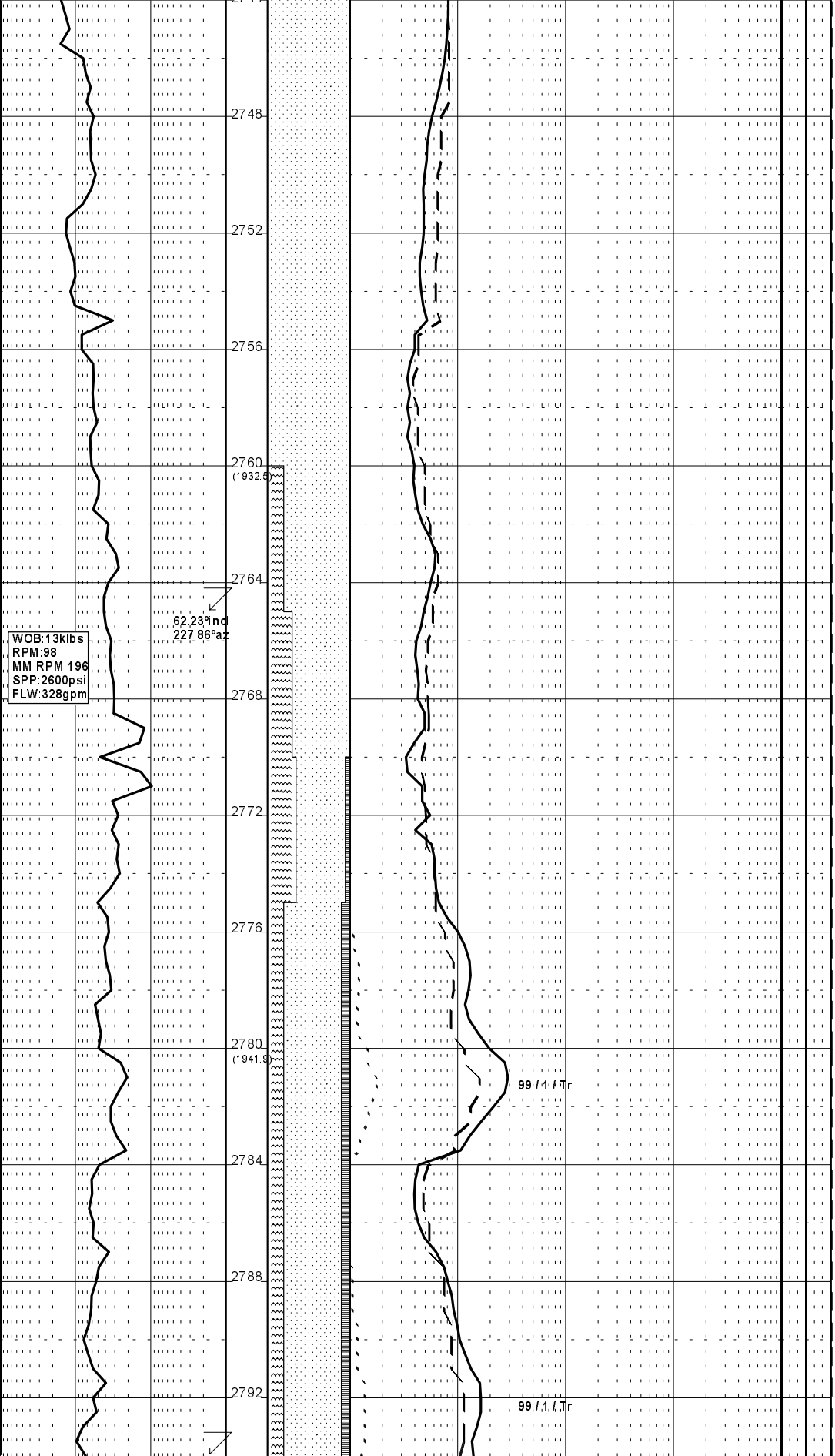
rr carb spk, predy uncons,

gd inf por, no fluor.

SANDSTONE: qtzose, clr, f-med, wl

srt, sa-sr, rr sil cmt, rr dism

pyr, rr carb spk, pred uncons,



gd inf por, no fluor.

SILTSTONE: lt brn gy, brn gy,

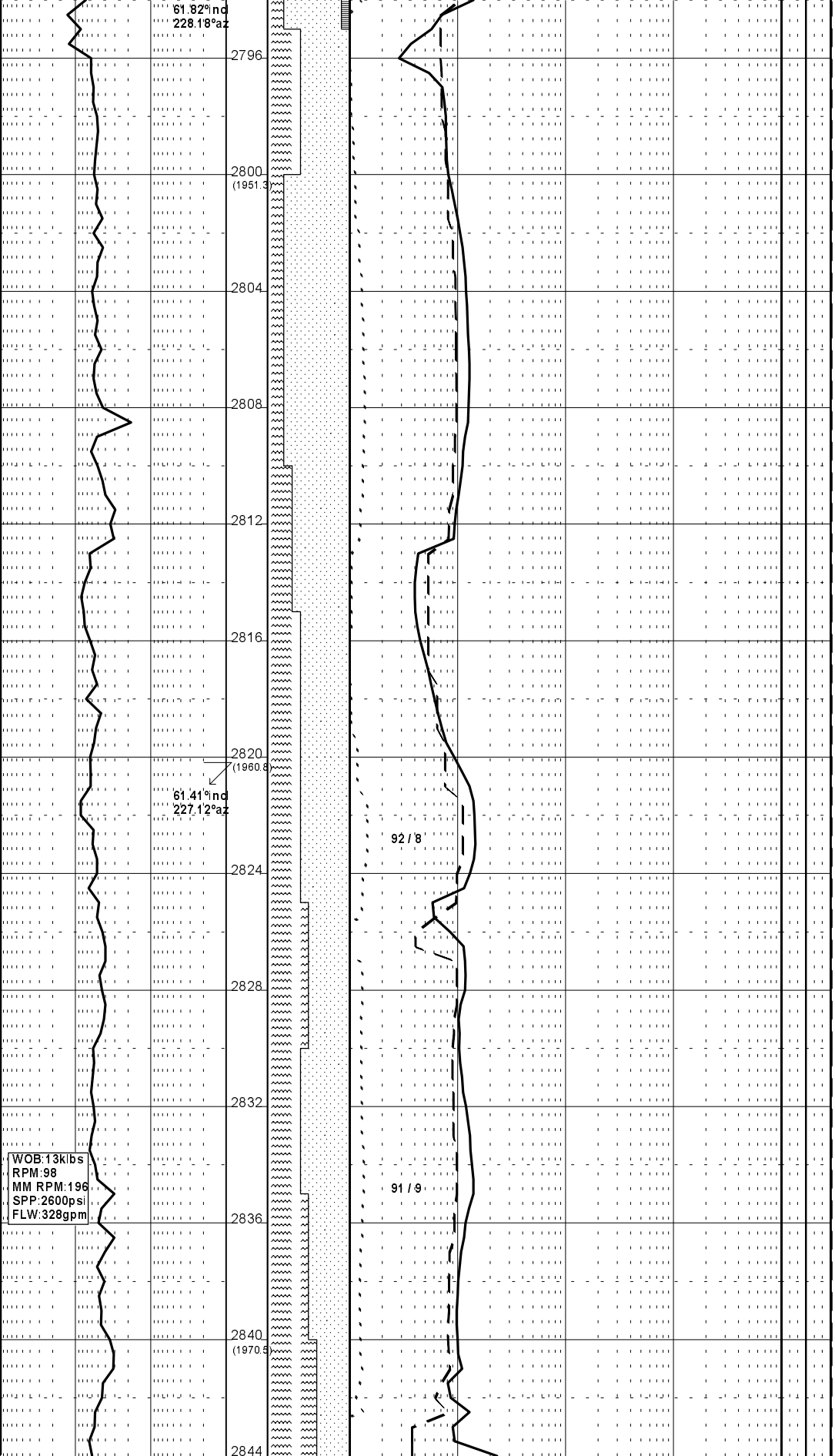
sbblky, occ sbfiss, com micmic,

tr pyr, slty i/p, sft-frm, g/t

Coal.

COAL: blk, sbvit-ea, sbconch-blky,

britt.



SILTSTONE:lt brn gy,brn gy,

sbblky,occ sbfiss,com micmic,

tr pyr,carb i/p,sft-frm,g/t

Coal.

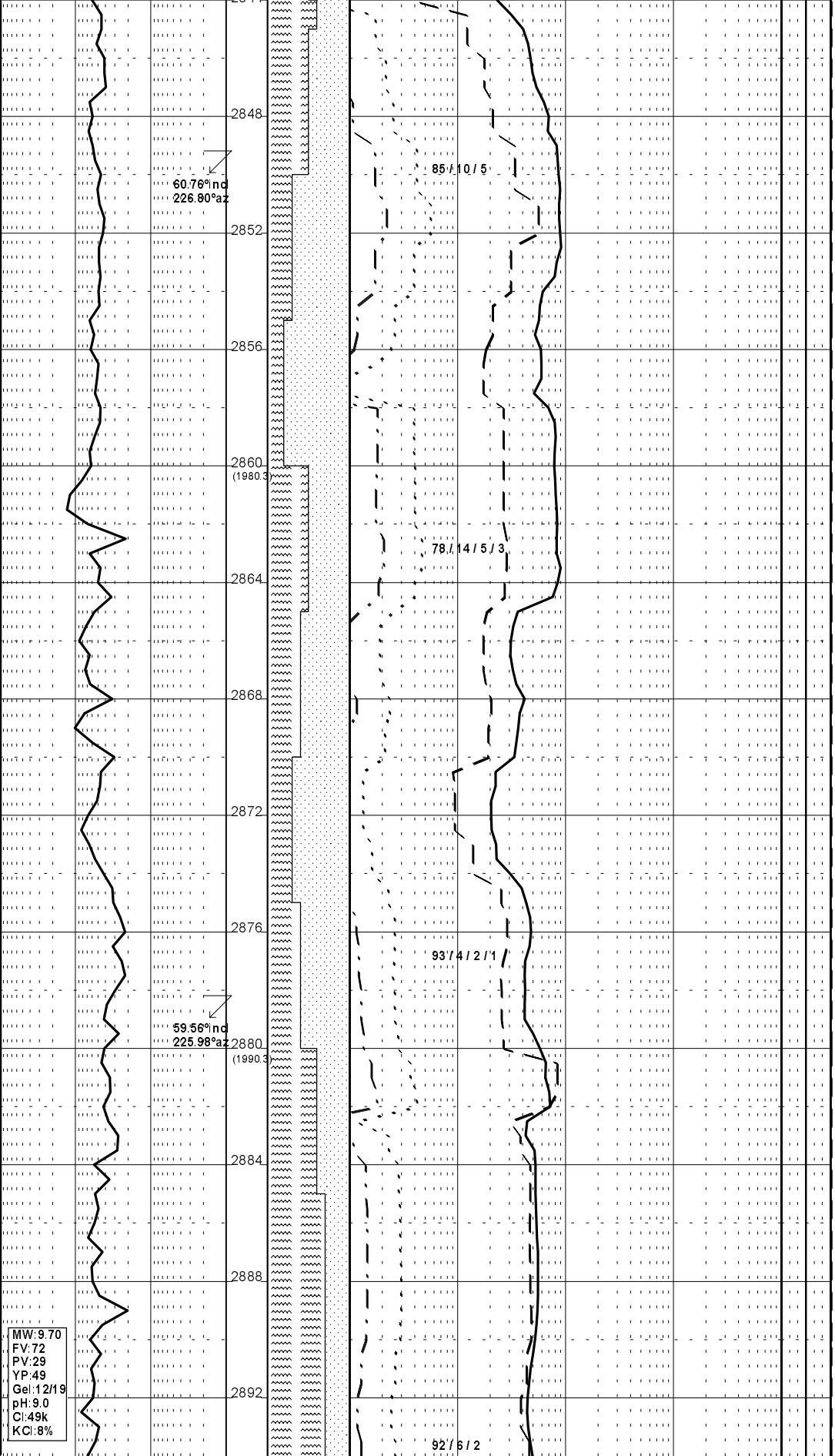
SANDSTONE:qtzose,f-med,occ crs,

wl srt,sa-sr,rr sil cmt,rr pyr,

rr carb spk,uncons,gd inf por,

no fluor.

SILTSTONE:lt brn gy,brn gy,



sbblky,occ sbfiss,com micmic,tr

pyr,abdt carb lam

SANDSTONE: qtz,trnsl-wh,f-v crs,

dom f-med,mod wl srt,a-sr,predy

uncons,tr sil cmt,com wh kaol

mtx,com pyr cmt,tr gy liths,

fr-gd inf por,no fluor.

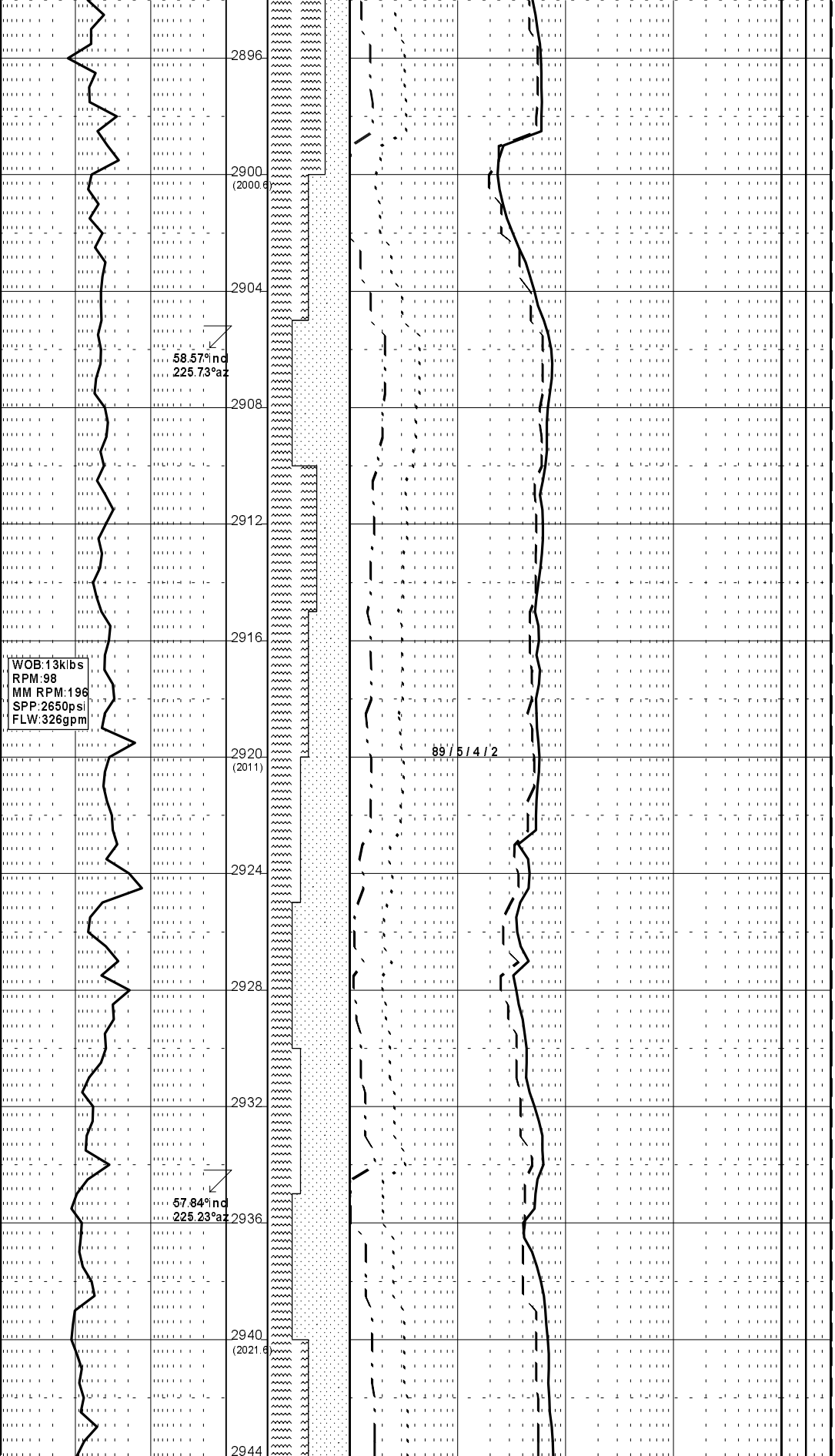
SANDSTONE: qtz,trnsl,wh,f-v crs,d

om f-med,pr-mod srt,ang-sr,

uncons,rr agg,tr sil cmt,tr pyr

cmt,com wh kaol mtx,tr gy lith,

fr inf por,no fluor.



SILTSTONE:lt bn,bn gy,bn blk,

abdt carb lam,com micmic,occ

g/t Clst,sft-frm,sbblky-occ

sbfiss.

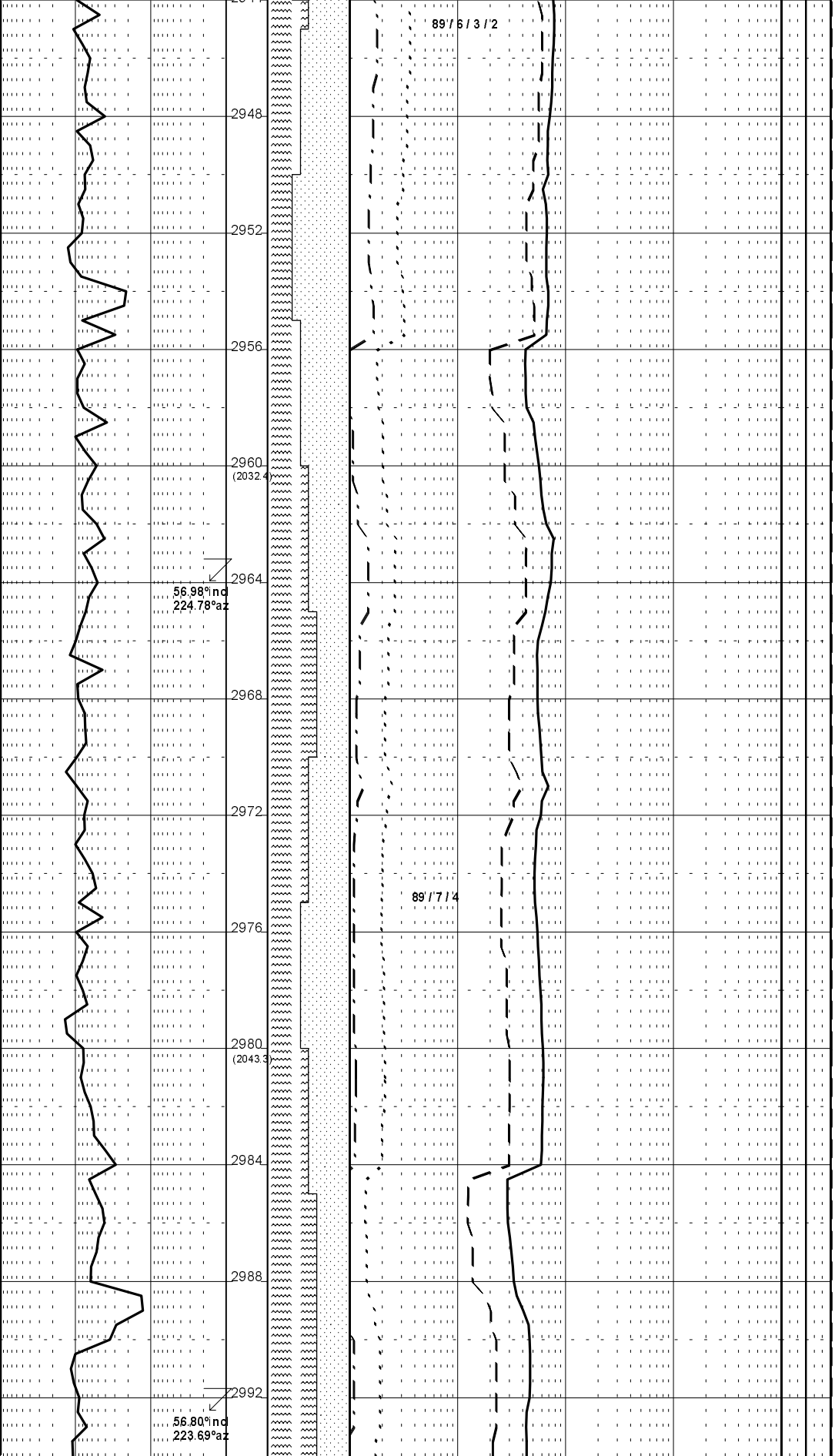
SANDSTONE:qtzose,clr,v lt gy,

f-m,occ c,mod srt,sa-sr,tr sil

cmt,mnr loc lt gy kaol mtx,tr

carb spk,uncons,occ fri,pr-fr

vis por,no fluor.



SILTSTONE:brn,brn blk,occ blk,

arg i/p,com carb lam & spk,tr

micmic,occ nod & dism pyr,

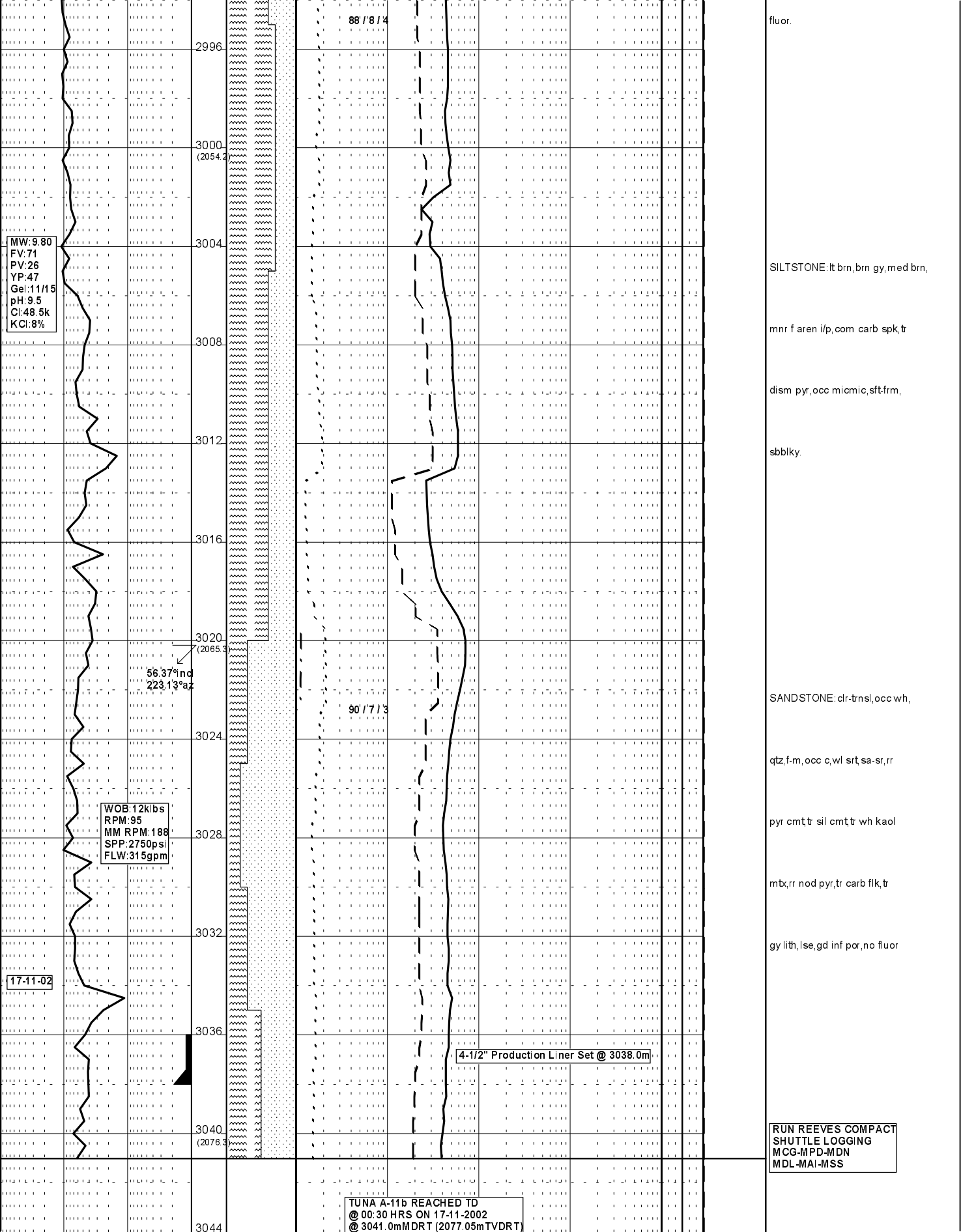
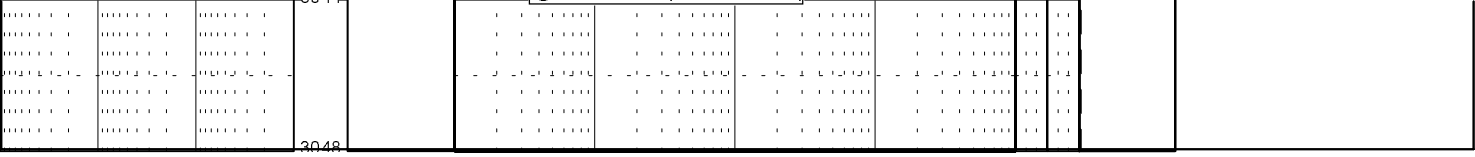
sbblky-occ sbfiss.

SANDSTONE:trnsl-wh,qtz,f-med,

rr v crs,wl srt,ang-sr,lse,

tr sil cmt,tr wh kaol mtx,tr pyr

cmt,tr lt gy lith,gd inf por,no


88 / 8 / 4
90 / 7 / 3
2996
3000
(2054.2)
3004
3008
3012
3016
3020
(2065.3)
3024
3028
3032
3036
3040
(2076.3)
3044
MW:9.80
FV:71
PV:26
YP:47
Gel:11/15
pH:9.5
Cl:48.5k
KCl:8%
56.37°inc
223.13°az
WOB:12klbs
RPM:95
MM RPM:188
SPP:2750psi
FLW:315gpm
17-11-02
4-1/2" Production Liner Set @ 3038.0m
TUNA A-11b REACHED TD
@ 00:30 HRS ON 17-11-2002
@ 3041.0mMDRT (2077.05mTVDRT)
fluor.
SILTSTONE: lt brn, brn gy, med brn,
mnr f aren i/p, com carb spk, tr
dism pyr, occ micmic, sft-frm,
sbblky.
SANDSTONE: clr-trnsl, occ wh,
qtz, f-m, occ c, wl srt, sa-sr, rr
pyr cmt, tr sil cmt, tr wh kaol
mtx, rr nod pyr, tr carb flk, tr
gy lith, lse, gd inf por, no fluor
RUN REEVES COMPACT
SHUTTLE LOGGING
MCG-MPD-MDN
MDL-MAI-MSS