

BIT #2RR: REED T11
SIZE: 445mm
JETS: 3x22, 1x16
IN: 650m OUT: 1525m
RUN: 875m HRS: 31.6
COND: 1-2-ER-A-0-1-NO-TD

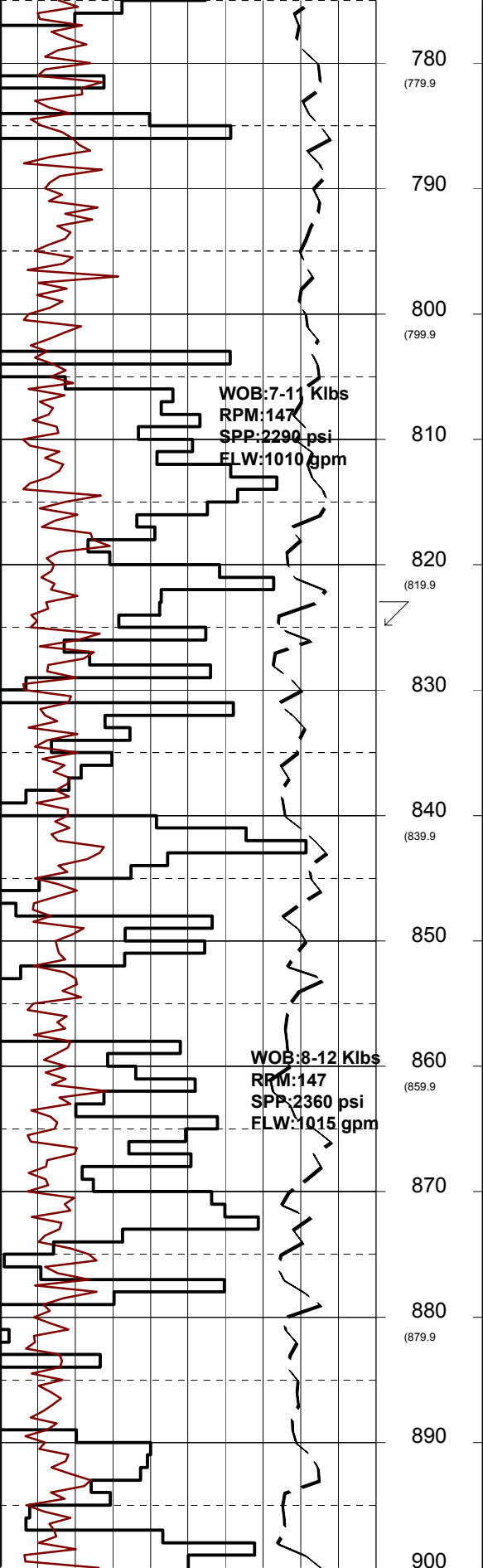
RETURNS TO SEA BED

DRILL FROM 650m TO 1525m
WITH SEAWATER, SWEEPING
THE HOLE WITH HI VIS MUD

Survey @ 682.0m:
1.26° 227.0Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..

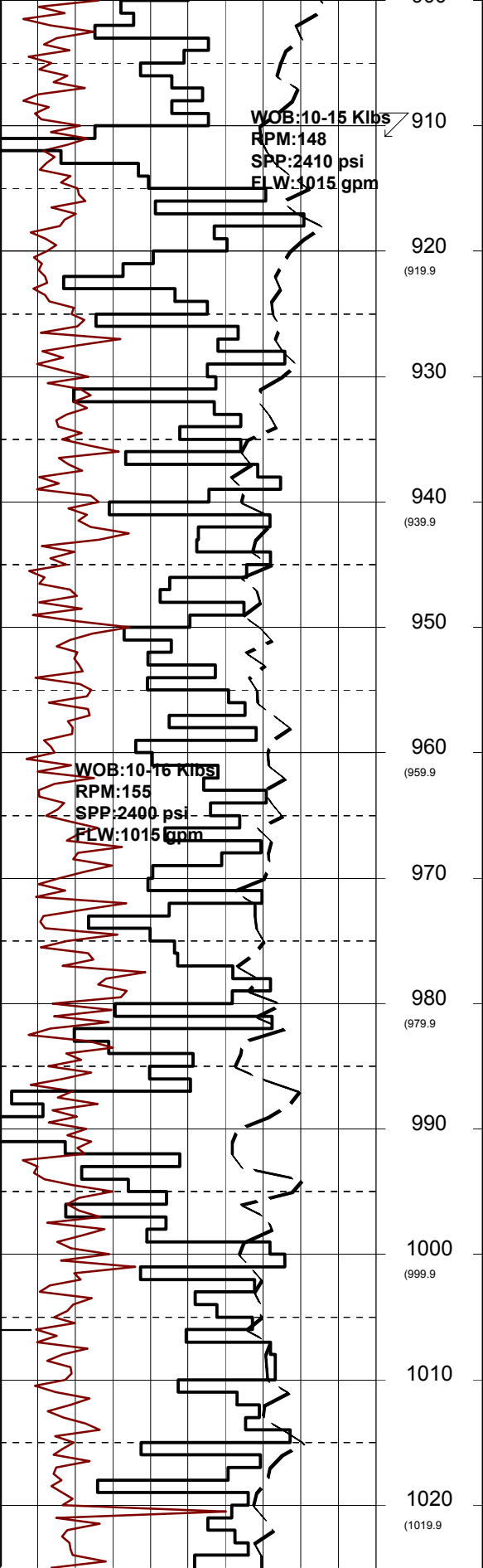
Survey @ 767.7m:
0.81° 263.6Az



.5 5 50 500 5K

Survey @ 825.0m:
0.93° 254.6Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..



.5

5

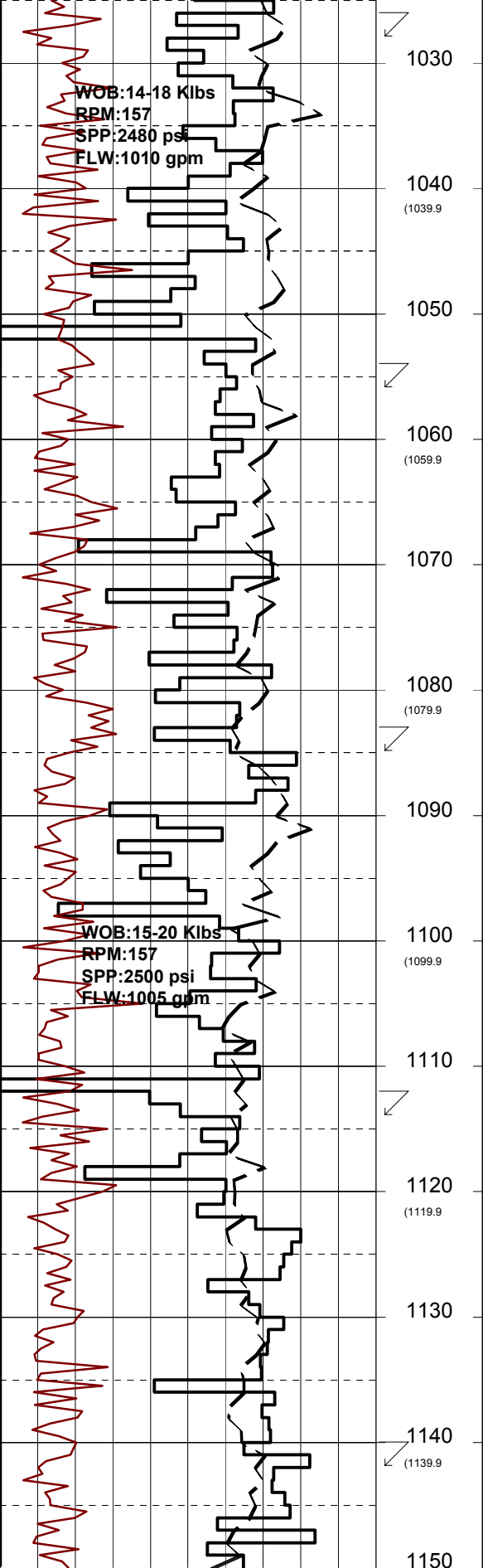
50

500

5K

Survey @ 911.2m:
1.09° 257.5Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..



Survey @ 1027.8m:
0.85° 252.6Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..

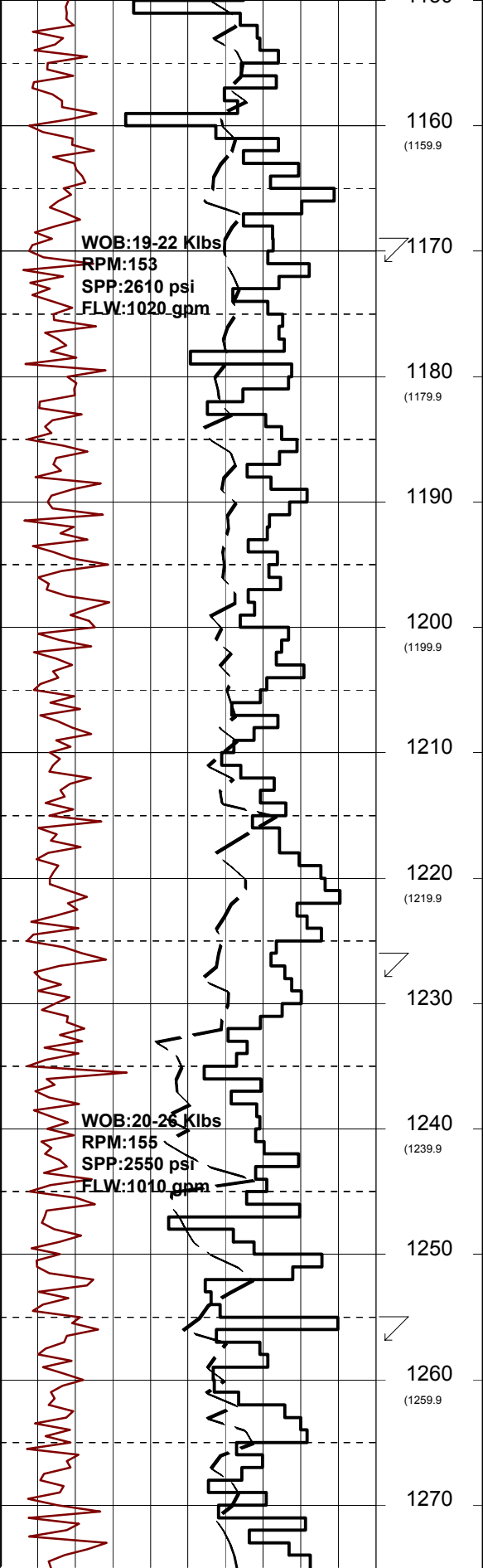
Survey @ 1056.5m:
0.79° 254.0Az

Survey @ 1085.2m:
0.77° 260.6Az

Survey @ 1113.8m:
0.62° 255.1Az

Survey @ 1142.5m:
0.51° 257.7Az

DRILL WITH SEAWATER



.5

5

50

500

5K

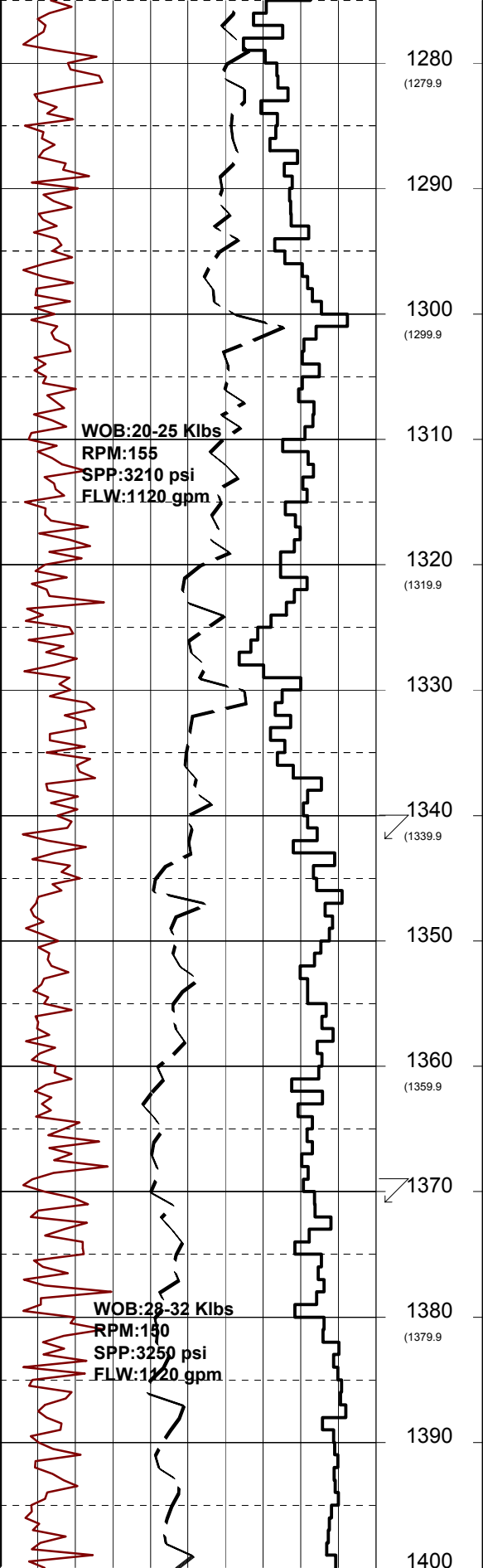
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..

Survey @ 1171.1m:
0.43° 257.6Az

Survey @ 1228.4m:
0.22° 250.9Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..

Survey @ 1257.1m:
0.17° 244.4Az



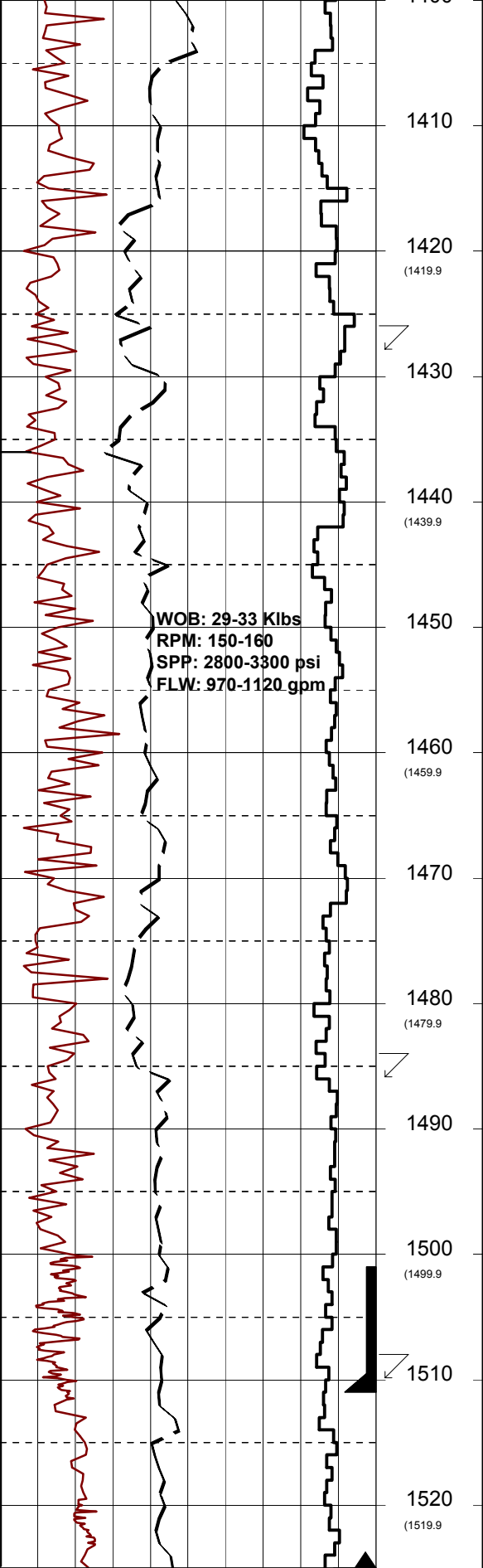
.5 5 50 500 5K

Survey @ 1342.8m:
0.06° 257.7Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..

Survey @ 1371.5m:
0.03° 247.1Az

WOB: 28-32 Klbs
RPM: 150
SPP: 3250 psi
FLW: 1120 gpm



.5

5

50

500

5K

Survey @ 1428.8m:
0.11° 336.4Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR..

Survey @ 1486.0m:
0.16° 21.2Az

Survey @ 1509.8m:
0.09° 0.7Az

13 3/8" CASING SET @ 1511m

BIT #3 HYCALOG RSX-616M
SIZE:311mm
JETS:4x18 2x28

WOB: 10-15 Klbs
RPM: 155-175
SRP: 1800 psi
FLW: 765 gpm

MW 9.5
FV 48
PV 10
YP 13
Gel 4/6
WL 6.6
Sol 5.35
pH 9.5
Ck 1
Cl 35k

WOB: 10-15 Klbs
RPM: 190-220
SRP: 2150 psi
FLW: 850 gpm

CE: 10-15 Klbs
IN: 1525m OUT: 3402m
RUN: 1877m HRS: 96.7
COND: 4-6-WT-S-X-1-RO-ROP

LOT @ 1528m:
EMW = 15.8 ppg (1.89 sg)

Survey @ 1540.5m:
0.33° 354.6Az

ARGILLACEOUS CALCILUTITE:
v lt-lt gry,tr calcslt,vf snd grs,
tr carb grs,tr vf pyr,tr mic foss,
sft,sbblky-amor.

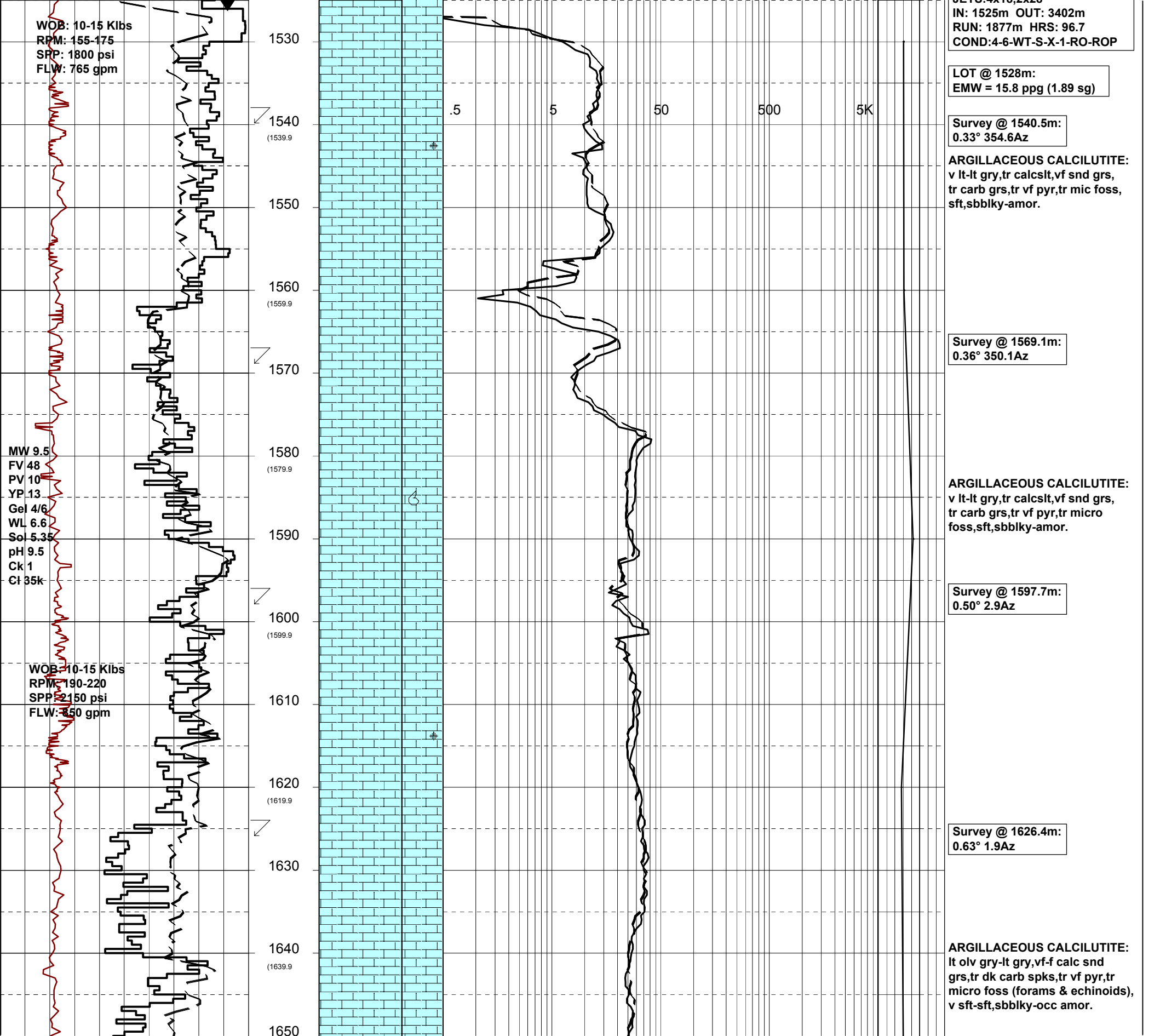
Survey @ 1569.1m:
0.36° 350.1Az

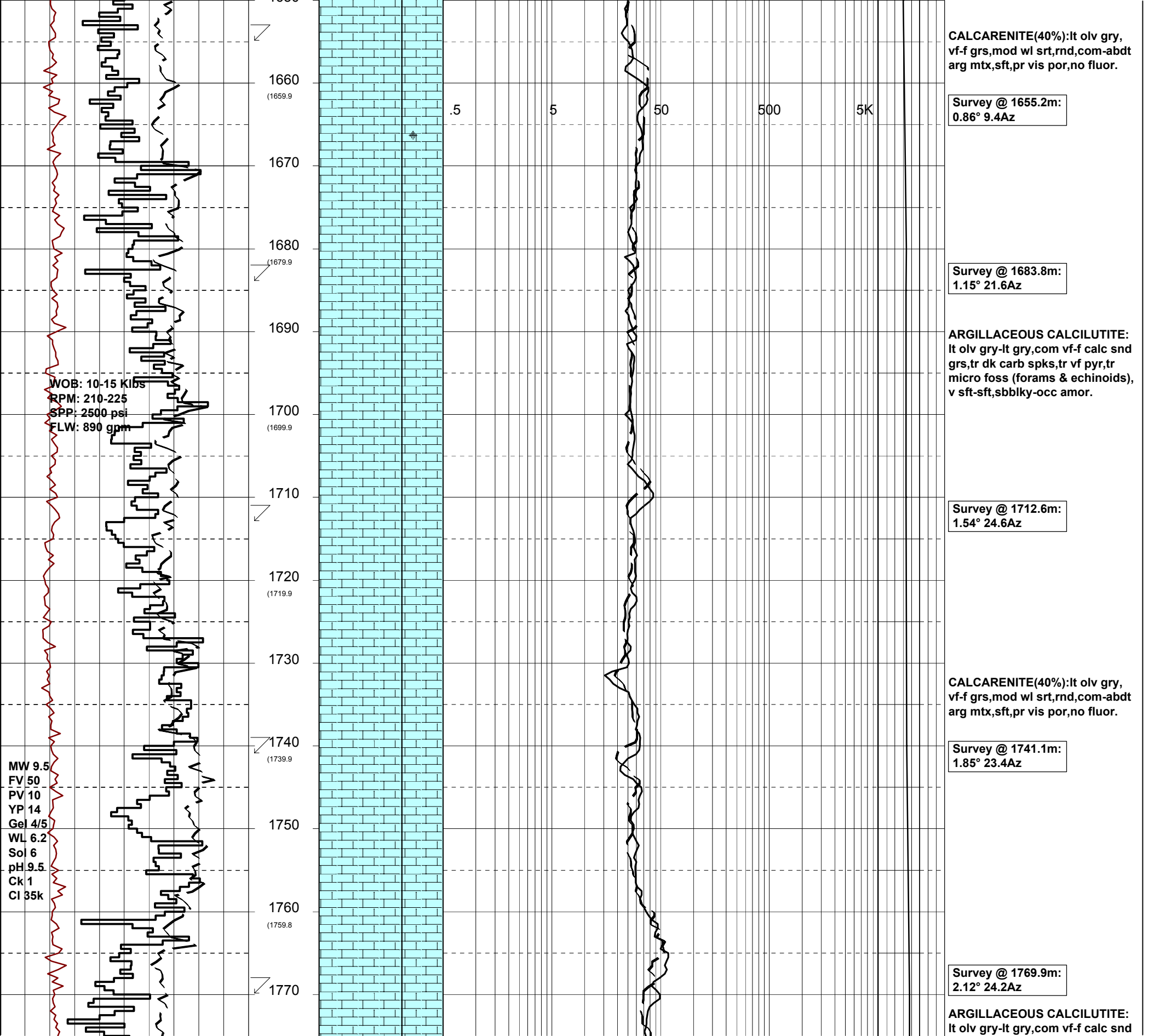
ARGILLACEOUS CALCILUTITE:
v lt-lt gry,tr calcslt,vf snd grs,
tr carb grs,tr vf pyr,tr micro
foss,sft,sbblky-amor.

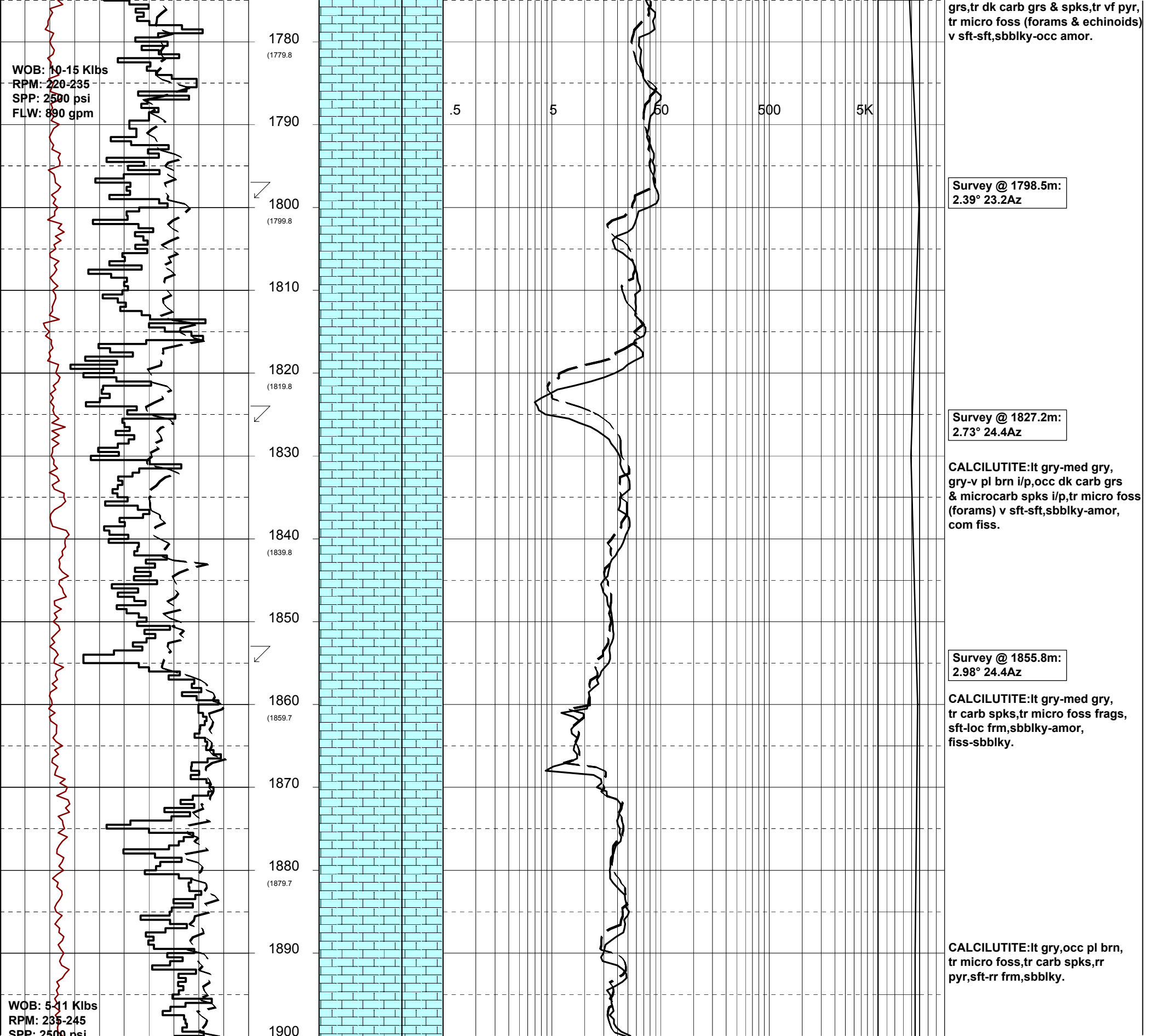
Survey @ 1597.7m:
0.50° 2.9Az

Survey @ 1626.4m:
0.63° 1.9Az

ARGILLACEOUS CALCILUTITE:
lt olv gry-lt gry,vf-f calc snd
grs,tr dk carb spks,tr vf pyr,tr
micro foss (forams & echinoids),
v sft-sft,sbblky-occ amor.







FLW: 895 gpm

WOB: 10-15 Klbs
RPM: 250
SPP: 2700 psi
FLW: 890 gpm

1910
1920 (1919.7)
1930
1940 (1939.6)
1950
1960 (1959.6)
1970
1980 (1979.6)
1990
2000 (1999.5)
2010
2020 (2019.5)

.5 5 50 500 5K

Survey @ 1914.0m:
3.07° 24.5Az

CALCILUTITE:lt gry,occ pl
brnsh gry,tr micro foss,occ carb
spks,rr pyr,sft-frm,occ hd,sbblky.

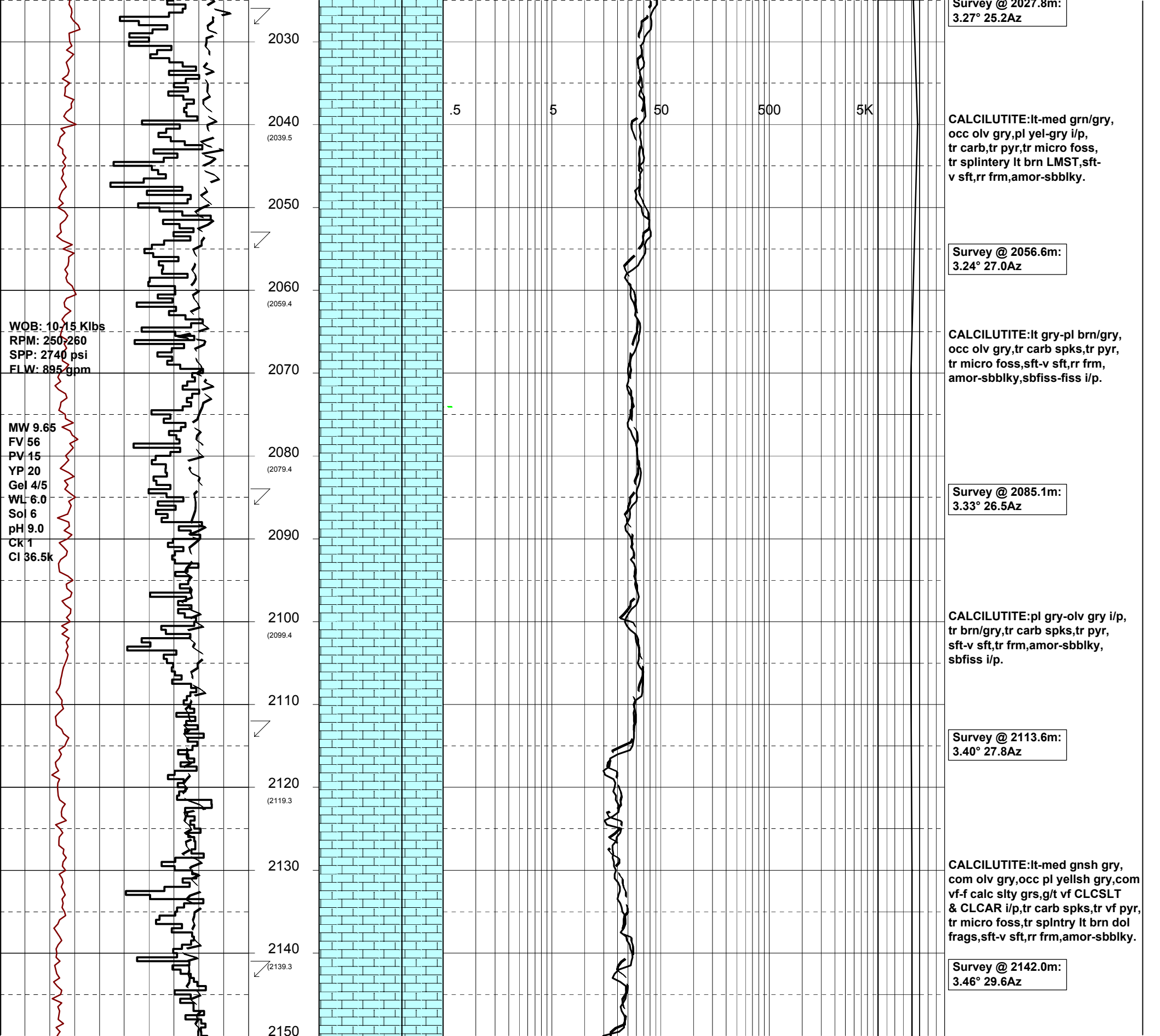
Survey @ 1942.0m:
3.12° 23.6Az

CALCILUTITE:lt gy,occ pl
brn/gry,occ carb spks,rr micro
foss,rr pyr,sft,frm-loc hd in
brn/gry grs,sbblky-occ sbfiss.

Survey @ 1971.0m:
3.18° 24.1Az

Survey @ 1999.1m:
3.22° 24.8Az

CALCARENITE(30%):olv gry,pl
brn/gry,f,wl srt,rnd,com arg mtx,
tr foss,sft-frm,tr hd,pr vis por,
no fluor.



WOB: 10-15 Klbs
RPM: 250-260
SPP: 2790 psi
FLW: 895 gpm

WOB: 10-15 Klbs
RPM: 250-260
SPP: 2450 psi
FLW: 895 gpm

2160
(2159.3)
2170
2180
(2179.2)
2190
2200
(2199.2)
2210
2220
(2219.1)
2230
2240
(2239.1)
2250
2260
(2259)
2270

.5 5 50 500 5K

Survey @ 2170.6m:
3.60° 30.3Az

Survey @ 2199.2m:
3.77° 30.7Az

CALCILUTITE:dk olv gry,com
vf-f calc slty grs,tr carb spks,
tr vf pyr,tr micro foss,sft-frm,
amor-sbblky.

Survey @ 2227.8m:
3.85° 36.0Az

CALCISILTITE (20%):pl olv gry-
dk olv gry,arg i/p,rr foss frags,
rr carb spks,tr micro pyr,
sft/fri-frm,sbblky.

Survey @ 2256.5m:
4.0° 35.4Az

FLW: 800 gpm

MW 9.5
FV 60
PV 15
YP 25
Gel 7/9
WL 5.4
Sol 7
pH 9
Ck 1
Cl 36K

WOB: 10-15 Klbs
RPM: 250-265
SPP: 2800 psi
FLW: 895 gpm

2280
(2279)
2290
2300
(2298.9)
2310
2320
(2318.9)
2330
2340
(2338.8)
2350
2360
(2358.8)
2370
2380
(2378.7)
2390
2400

.5 5 50 500 5K

Survey @ 2285.4m:
4.14° 37.2Az

CALCILUTITE:dk olv gry,com
vf-f calc slty grs,tr carb spks,tr
vf pyr,tr micro foss,sft-frn,amor-
sbbiky.

CALCISILTITE (20%):pl olv gry
-dk olv gry,arg i/p,rr foss frags,
rr carb spks,tr micro pyr,sft/fri-
frn,sbbiky.

Survey @ 2314.0m:
4.15° 34.7Az

Survey @ 2342m:
4.24° 35.4Az

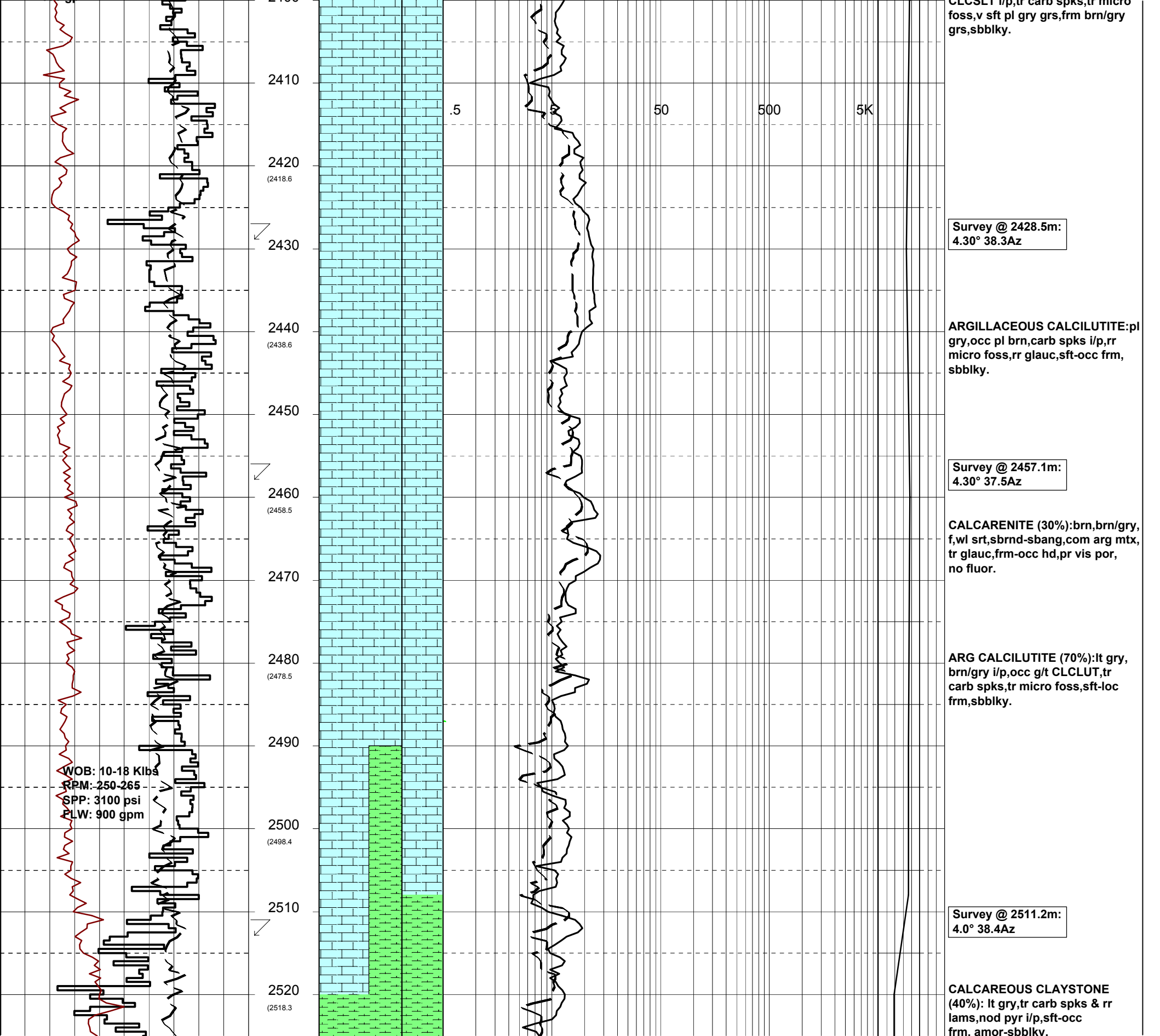
CALCISILTITE (5%):olv gry-brn/
gry,tr carb spks,sft-frn,fri i/p,
sbbiky.

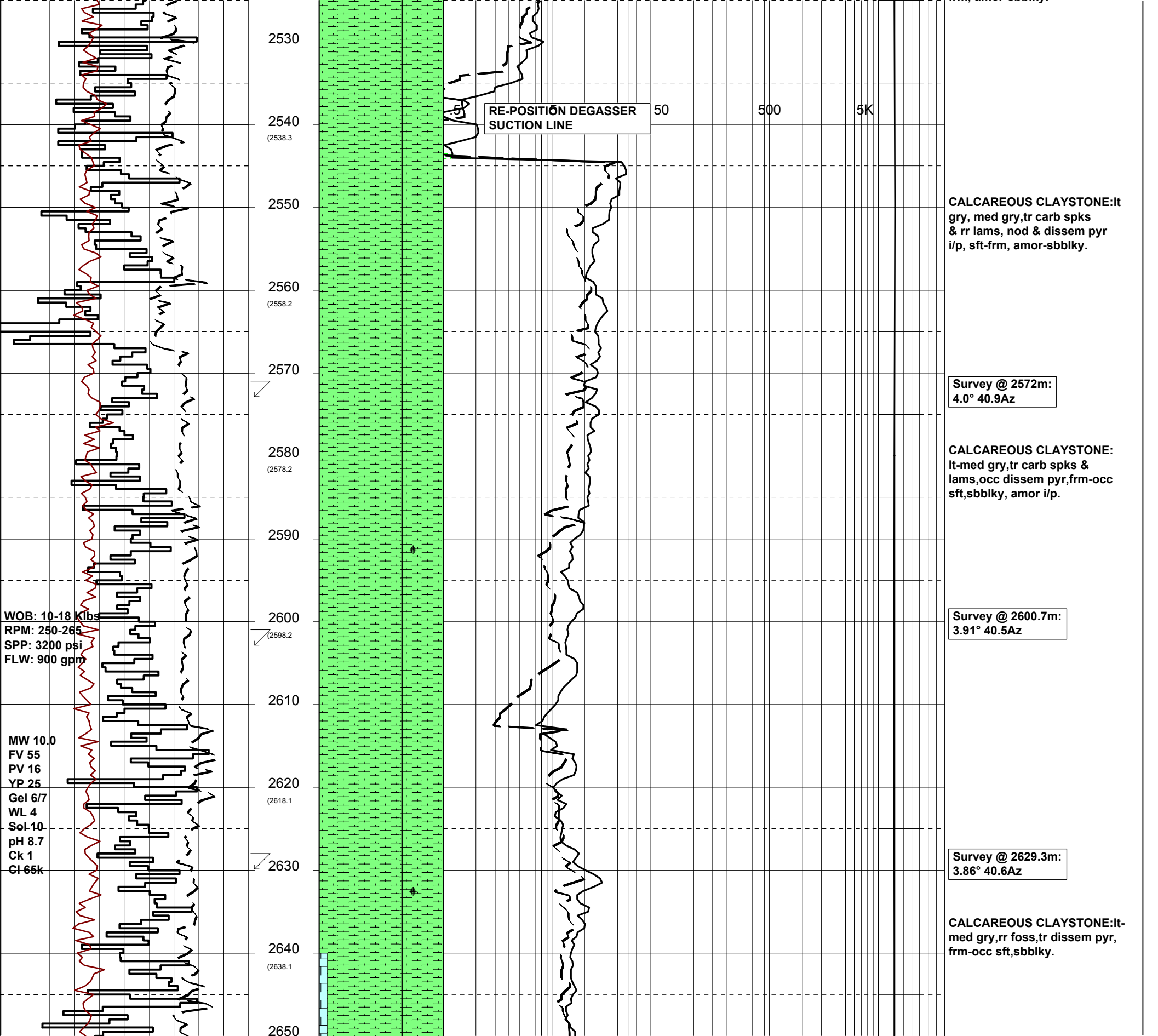
Survey @ 2371.3m:
4.20° 37.2Az

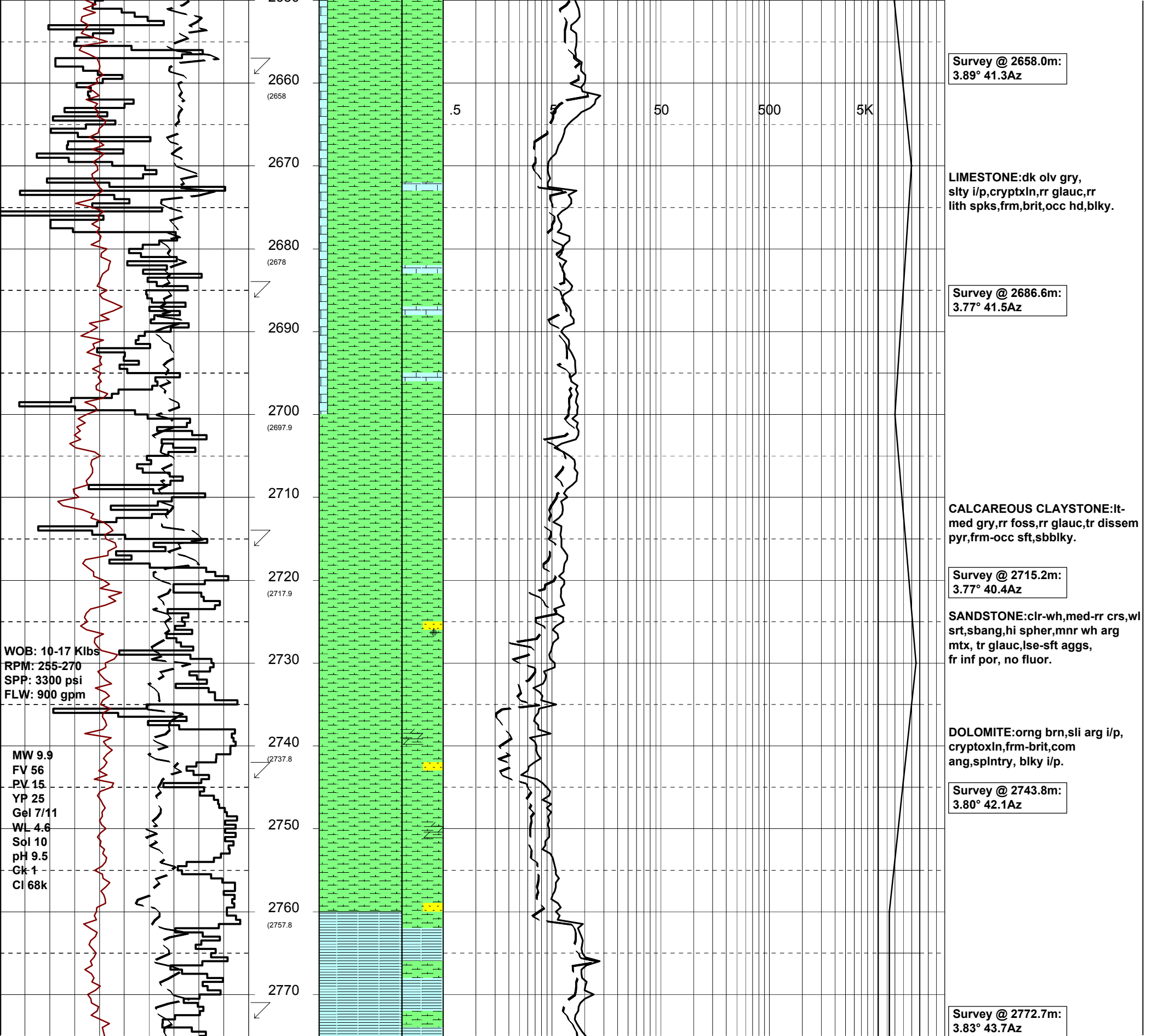
CALCILUTITE:lt olv gry-lt brn
/gry,tr carb spks,tr micro foss
& rr pyr,rr glauc,sft,amor-sbbiky.

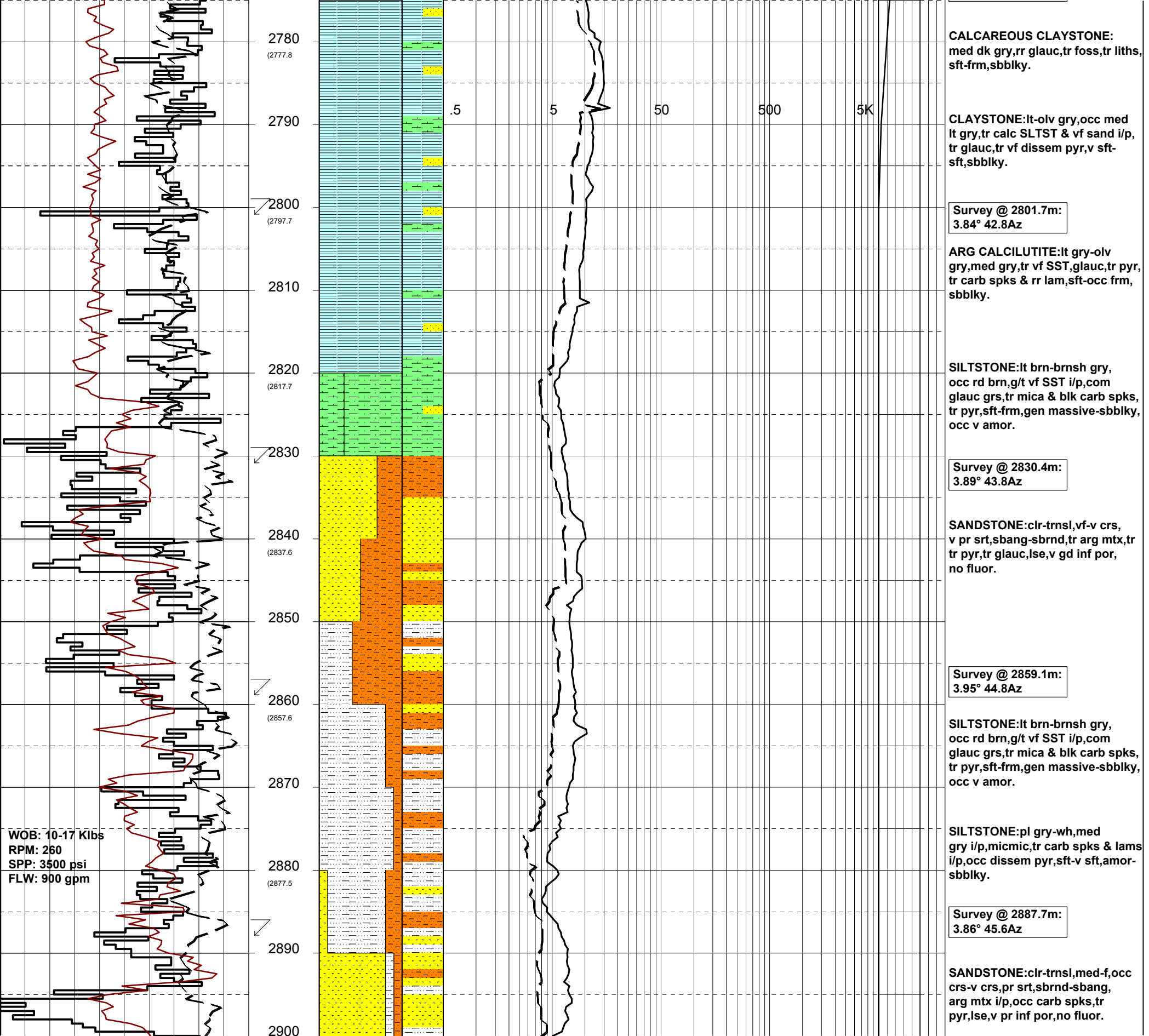
Survey @ 2399.9m:
4.28° 38.0Az

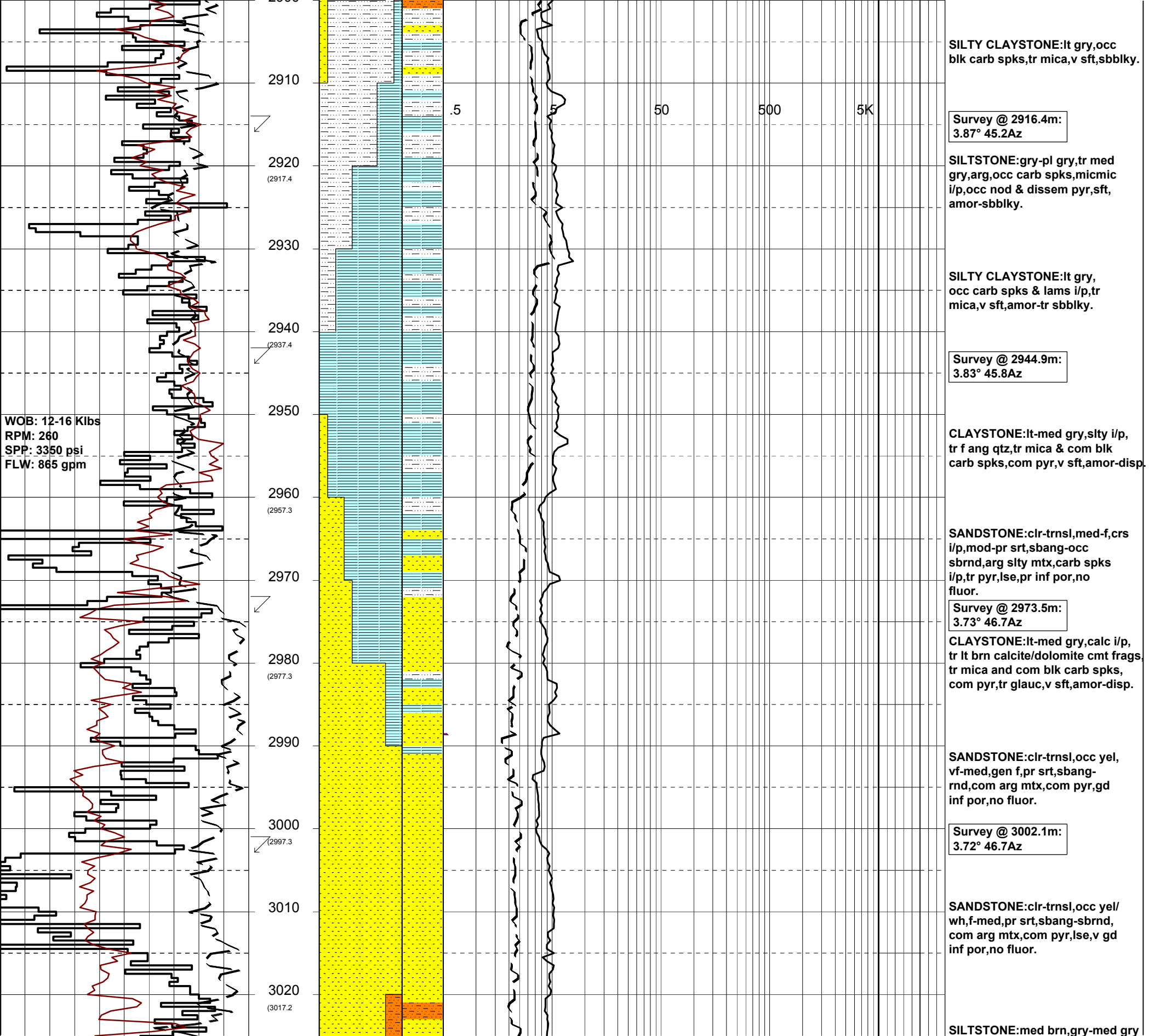
CALCILUTITE:pl gry,brn/gry,g/t
CLSLT i/p tr carb spks tr micro

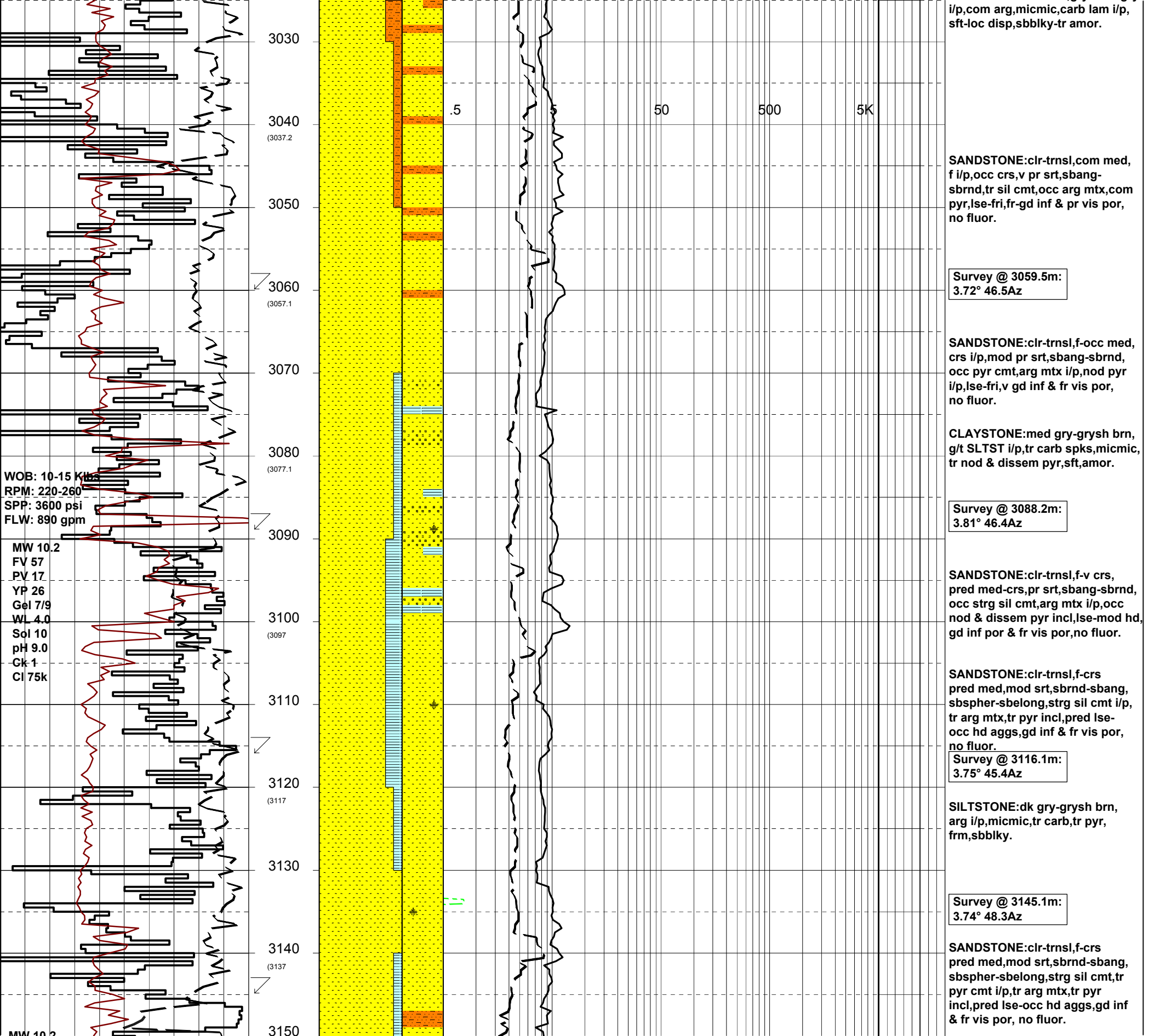












i/p,com arg,micmic,carb lam i/p,
sft-loc disp,sbblky-tr amor.

SANDSTONE:clr-trnsi,com med,
f i/p,occ crs,v pr srt,sbang-
sbrnd,tr sil cmt,occ arg mtx,com
pyr,lse-fri,fr-gd inf & pr vis por,
no fluor.

Survey @ 3059.5m:
3.72° 46.5Az

SANDSTONE:clr-trnsi,f-occ med,
crs i/p,mod pr srt,sbang-sbrnd,
occ pyr cmt,arg mtx i/p,nod pyr
i/p,lse-fri,v gd inf & fr vis por,
no fluor.

CLAYSTONE:med gry-grysh brn,
g/t SLTST i/p,tr carb spks,micmic,
tr nod & dissem pyr,sft,amor.

Survey @ 3088.2m:
3.81° 46.4Az

SANDSTONE:clr-trnsi,f-v crs,
pred med-crs,pr srt,sbang-sbrnd,
occ strg sil cmt,arg mtx i/p,occ
nod & dissem pyr incl,lse-mod hd,
gd inf por & fr vis por,no fluor.

SANDSTONE:clr-trnsi,f-crs
pred med,mod srt,sbrnd-sbang,
sbspher-sbelong,strg sil cmt i/p,
tr arg mtx,tr pyr incl,pred lse-
occ hd aggs,gd inf & fr vis por,
no fluor.

Survey @ 3116.1m:
3.75° 45.4Az

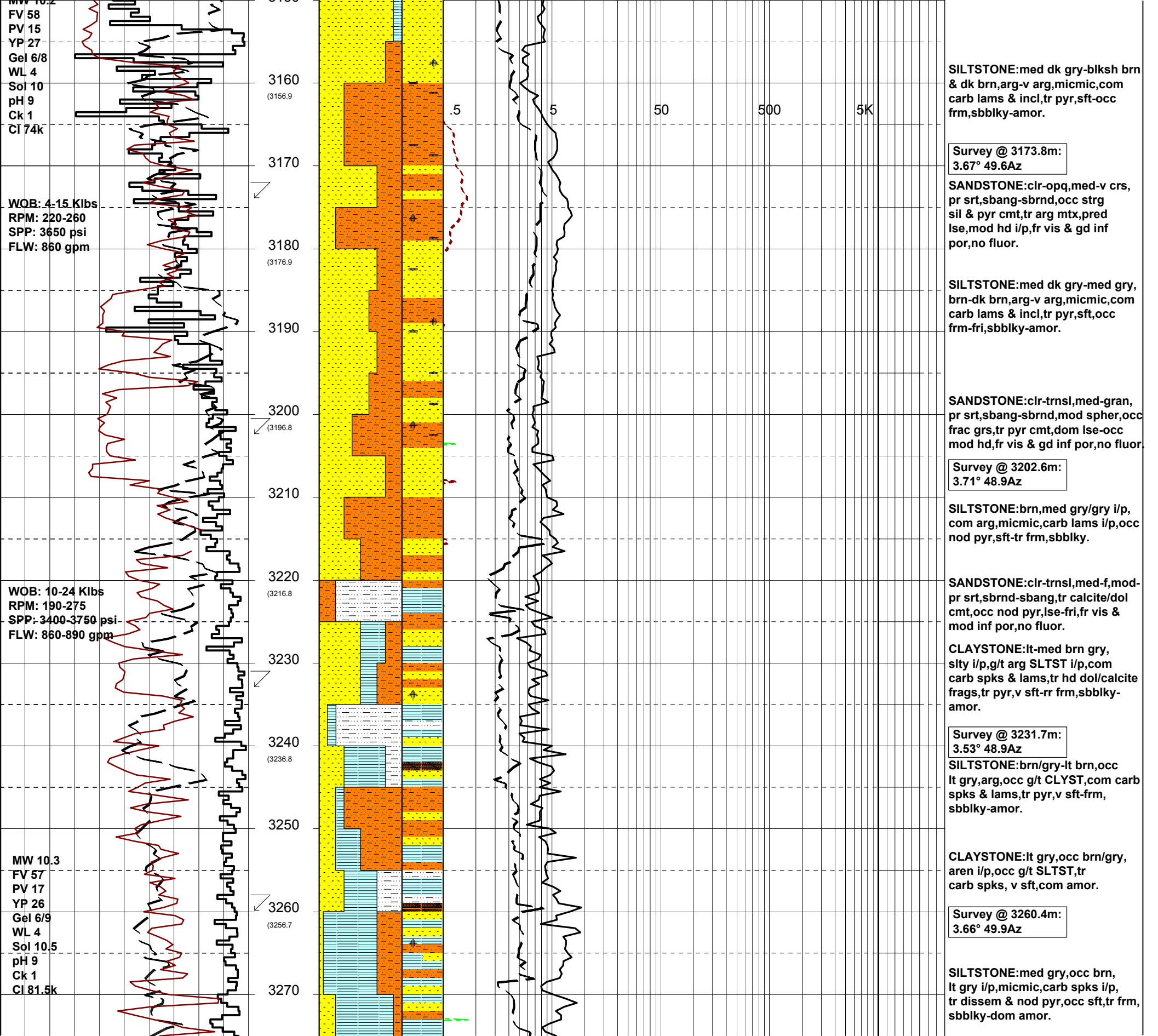
SILTSTONE:dk gry-grysh brn,
arg i/p,micmic,tr carb,tr pyr,
frm,sbblky.

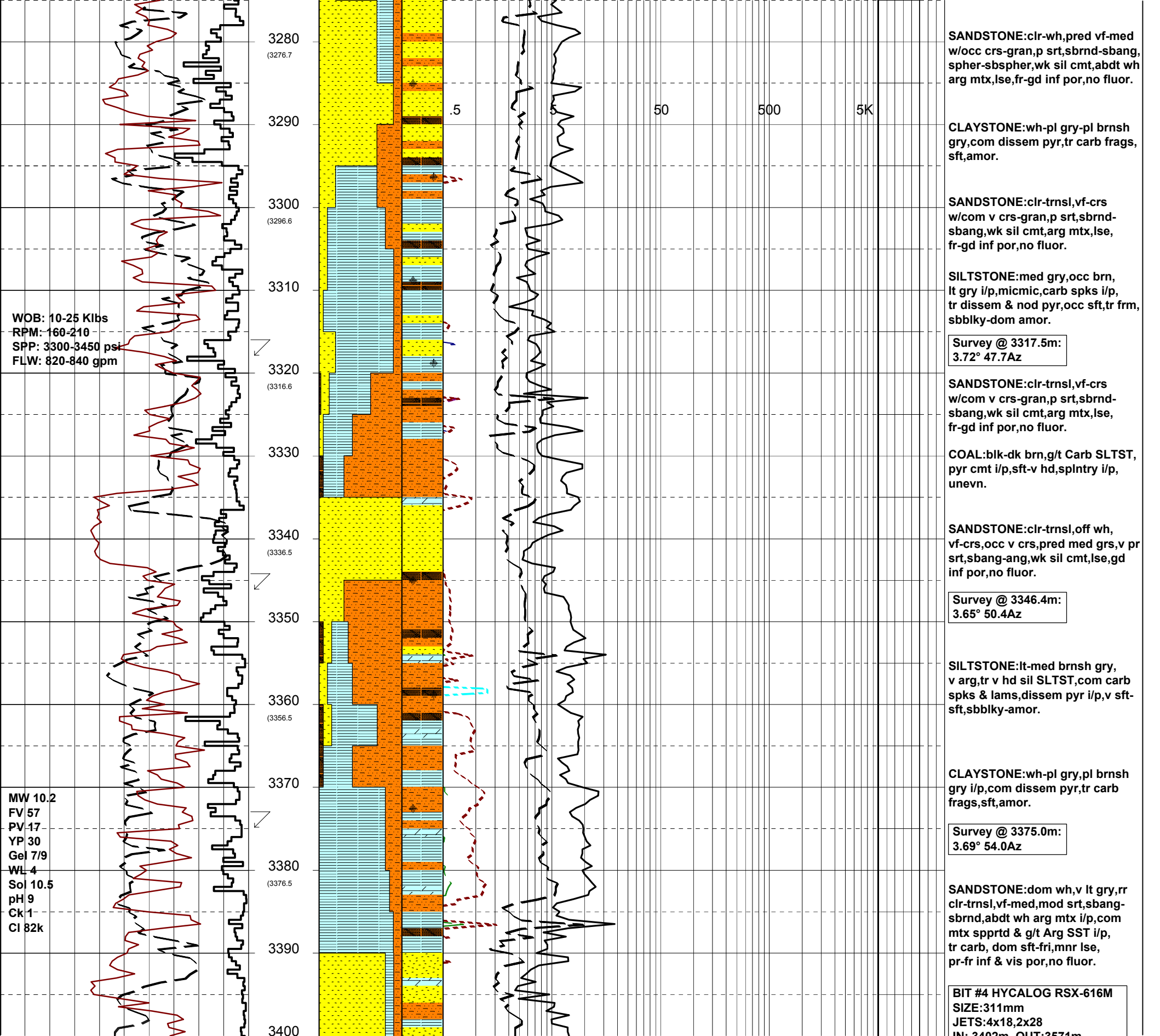
Survey @ 3145.1m:
3.74° 48.3Az

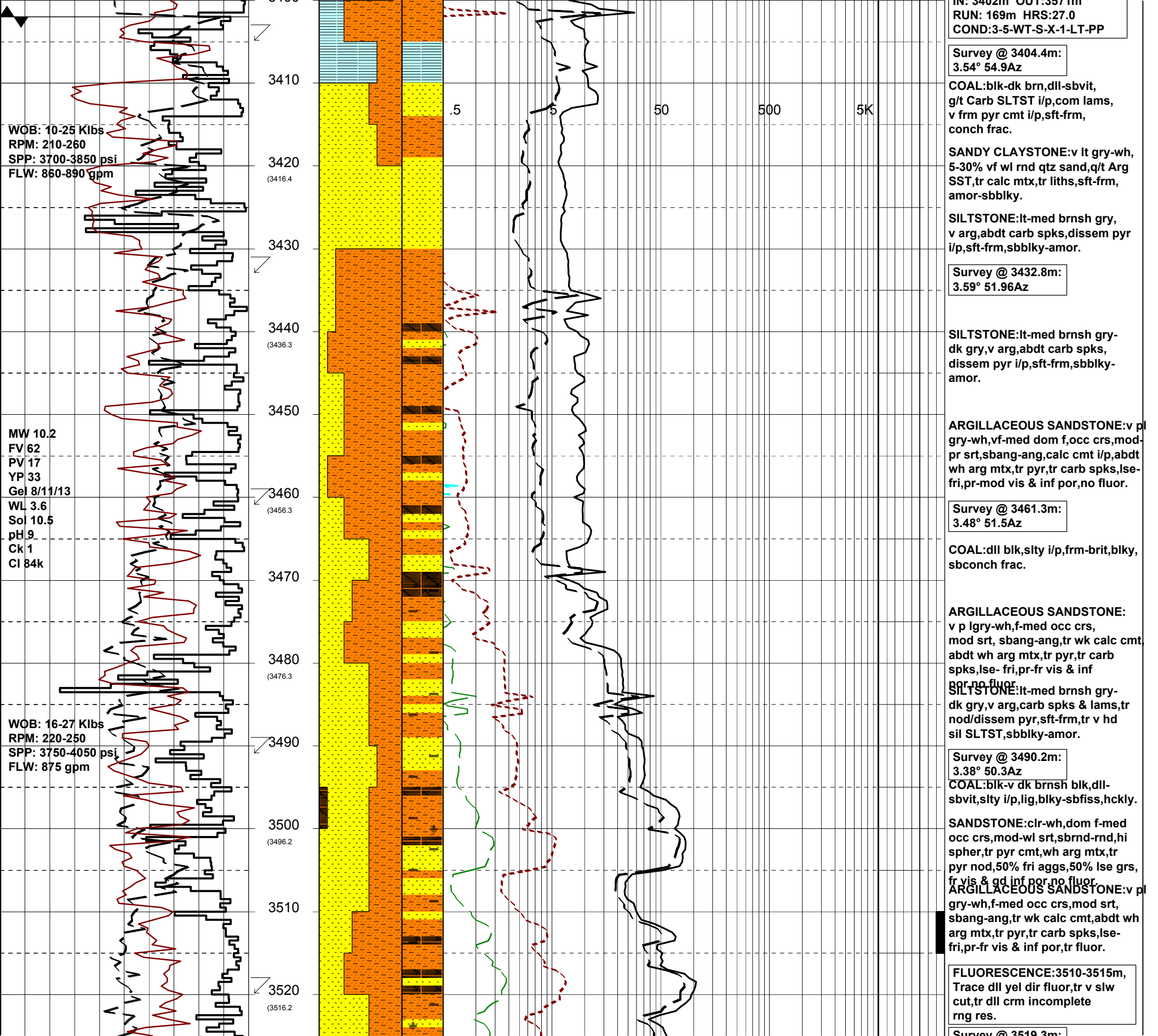
SANDSTONE:clr-trnsi,f-crs
pred med,mod srt,sbrnd-sbang,
sbspher-sbelong,strg sil cmt,tr
pyr cmt i/p,tr arg mtx,tr pyr
incl,pred lse-occ hd aggs,gd inf
& fr vis por, no fluor.

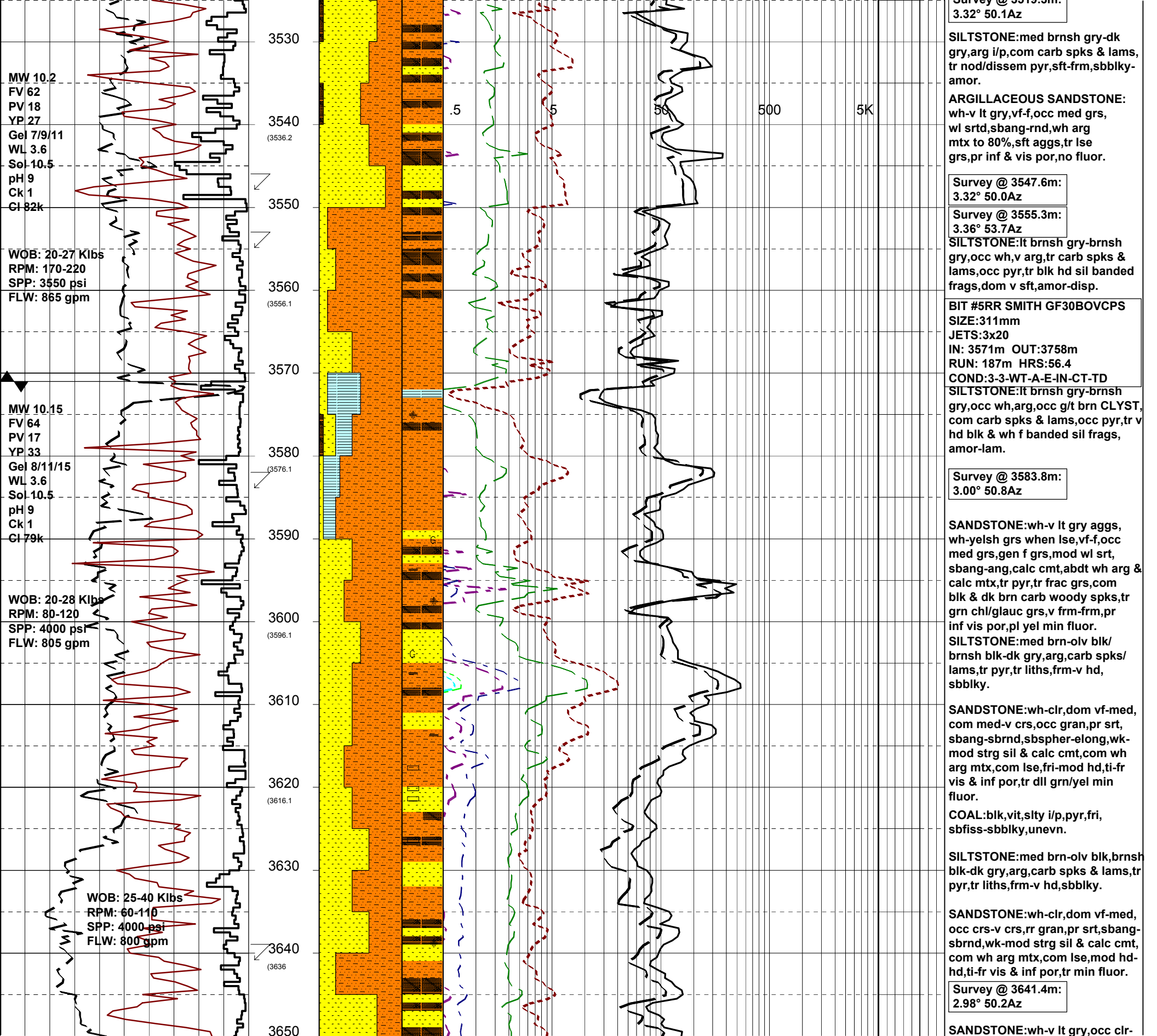
WOB: 10-15 Klbs
RPM: 220-260
SPP: 3600 psi
FLW: 890 gpm
MW 10.2
FV 57
PV 17
YP 26
Gel 7/9
WL 4.0
Sol 10
pH 9.0
Ck 1
CI 75k

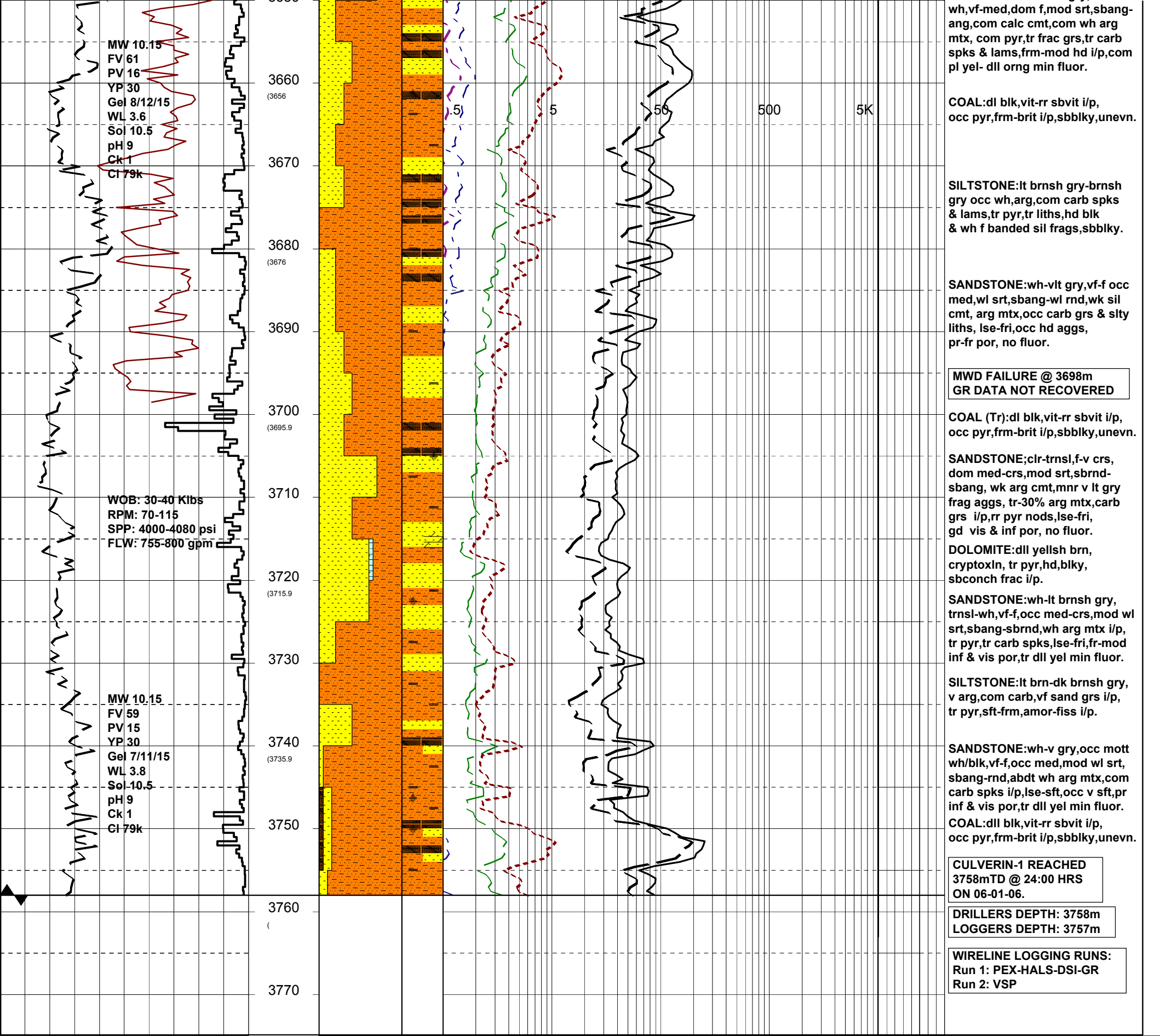
MW 10.2











wh,vf-med,dom f,mod srt,sbang-ang,com calc cmt,com wh arg mtx, com pyr,tr frac grs,tr carb spks & lams,frm-mod hd i/p,com pl yel- dll orng min fluor.

COAL:dl blk,vit-rr sbvit i/p, occ pyr,frm-brit i/p,sbblky,unevn.

SILTSTONE:lt brnsh gry-brnsh gry occ wh,arg,com carb spks & lams,tr pyr,tr liths,hd blk & wh f banded sil frags,sbblky.

SANDSTONE:wh-vlt gry,vf-f occ med,wl srt,sbang-wl rnd,wk sil cmt, arg mtx,occ carb grs & slty liths, lse-fri,occ hd aggs, pr-fr por, no fluor.

MWD FAILURE @ 3698m
GR DATA NOT RECOVERED

COAL (Tr):dl blk,vit-rr sbvit i/p, occ pyr,frm-brit i/p,sbblky,unevn.

SANDSTONE;clr-trnsl,f-v crs, dom med-crs,mod srt,sbrnd-sbang, wk arg cmt,mnr v lt gry frag aggs, tr-30% arg mtx,carb grs i/p,rr pyr nods,lse-fri, gd vis & inf por, no fluor.

DOLOMITE:dll yellsh brn, cryptoxln, tr pyr,hd,blky, sbconch frac i/p.

SANDSTONE:wh-lt brnsh gry, trnsl-wh,vf-f,occ med-crs,mod wl srt,sbang-sbrnd,wh arg mtx i/p, tr pyr,tr carb spks,lse-fri,fr-mod inf & vis por,tr dll yel min fluor.

SILTSTONE:lt brn-dk brnsh gry, v arg,com carb,vf sand grs i/p, tr pyr,sft-frm,amor-fiss i/p.

SANDSTONE:wh-v gry,occ mott wh/blk,vf-f,occ med,mod wl srt, sbang-rnd,abdt wh arg mtx,com carb spks i/p,lse-sft,occ v sft,pr inf & vis por,tr dll yel min fluor.

COAL:dll blk,vit-rr sbvit i/p, occ pyr,frm-brit i/p,sbblky,unevn.

CULVERIN-1 REACHED
3758mTD @ 24:00 HRS
ON 06-01-06.

DRILLERS DEPTH: 3758m
LOGGERS DEPTH: 3757m

WIRELINE LOGGING RUNS:
Run 1: PEX-HALS-DSI-GR
Run 2: VSP