

DRILL WITH SPUD MUD

SANDSTONE:clr-trnsl,off wh,mnr pl yel,rr red-orng,med-peb,dom crs-v crs lse qtz,sbrnd-dom sbang,mnr ang, tr disp clay mtx,gen unconsl,fr inf por,no fluor.

SURVEY @ 89.7m: 0.64° 277.8°T

Lithology obtained from hole opening 85m to 100m

Bit 1: Reed T11C
Size: 17.5" Jets: 3x20,1x16
In: 100m Out: 120m
Run: 20m Hrs: 0.45
Cond: 0-0-NO-A-O-1-RR-BHA

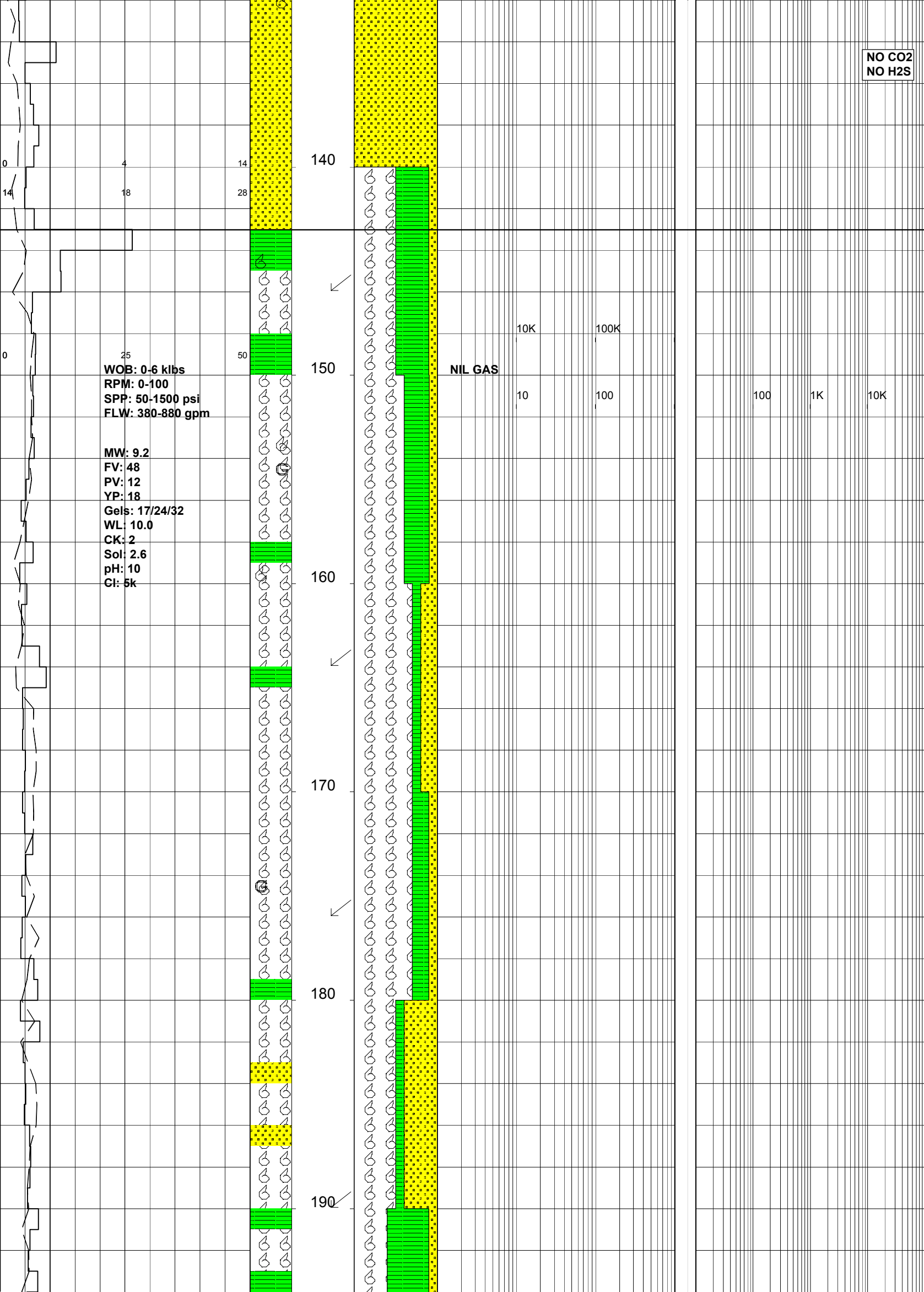
NO CO2
NO H2S

SANDSTONE:clr-trnsl,off wh,mnr pl yel,rr red-orng,med-peb,dom crs-v crs lse qtz,sbrnd-dom sbang,mnr ang, tr disp clay mtx,gen unconsl,fr inf por,no fluor.

SURVEY @ 118.3m: 0.63° 112.2°T

Bit 1RR: Reed T11C
Size: 17.5" Jets: 3x20,1x16
In: 120m Out: 320m
Run: 200m Hrs: 2.9
Cond:1-1-NO-A-0-I-RR-TD

SURVEY @ 125.4m: 0.31° 210.5°T



NO CO2
NO H2S

SANDSTONE:pl gry,pl yel,clr-trnsl,
f-crs,pred med,pr srt,sbang-ang,
rr wk sil cmt,tr foss frags,fr-gd
inf por,no fluor.

TAMBO RIVER FORMATION
143m (-134.4 mSS)

COQUINA:off wh-pl yel-brn,crm,
abdt lse foss frags,occ casts of
Marl/Calc Clyst,bi-valves,echn
spines,bryozoa,sponge,turritella
frags.

SURVEY @ 146.6m: 1.33° 135.4°T

MARL/CALC CLAYSTONE:pl gry,slty
i/p,abdt foss frags,occ dk glauc grs,
disp,amorph-sbblky.

SURVEY @ 163.2m: 2.41° 112.5°T

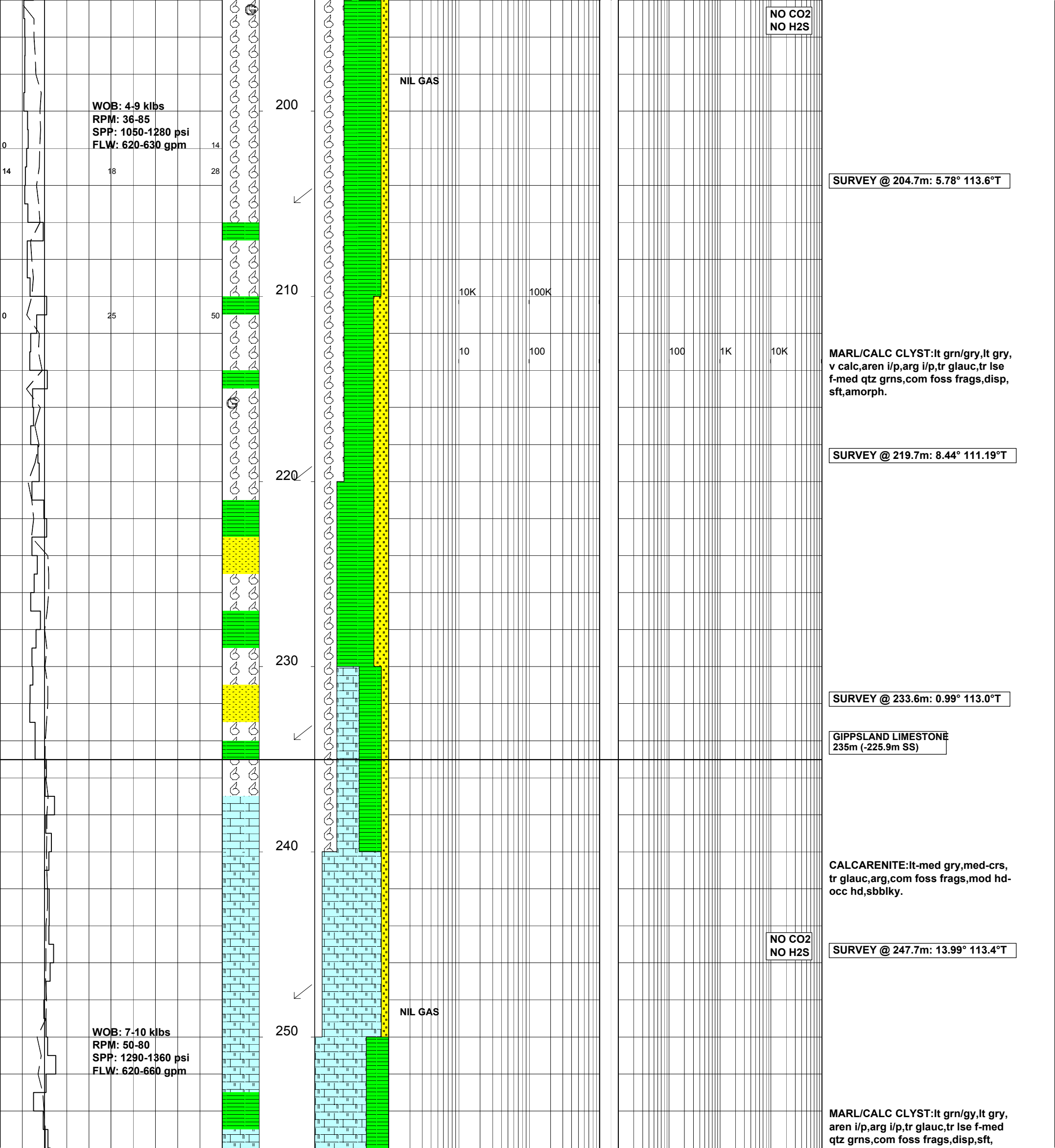
COQUINA:off wh-pl yel-brn,crm,
abdt lse foss frags,occ casts of
Marl/Calc Clyst,bi-valves,echn
spines,bryozoa,sponge,turritella
frags.

CALCAREOUS CLAYSTONE:lt-med gy,occ
dk gy,aren i/p,tr glauc,sft-mod hd,
sbblky

SURVEY @ 175.9m: 2.70° 134.3°T

SANDSTONE:clr-trnsl,f-crs,dom med,
pr srt,dom sbang-occ sbrnd,tr arg
mtx,gen lse,fr inf por,no fluor.

SURVEY @ 190.2m: 4.40° 115.2°T



WOB: 4-9 klbs
RPM: 36-85
SPP: 1050-1280 psi
FLW: 620-630 gpm

NO CO2
NO H2S

SURVEY @ 204.7m: 5.78° 113.6°T

MARL/CALC CLYST:lt grn/gry,lt gry,
v calc,aren i/p,arg i/p,tr glauc,tr lse
f-med qtz grns,com foss frags,disp,
sft,amorph.

SURVEY @ 219.7m: 8.44° 111.19°T

SURVEY @ 233.6m: 0.99° 113.0°T

GIPPSLAND LIMESTONE
235m (-225.9m SS)

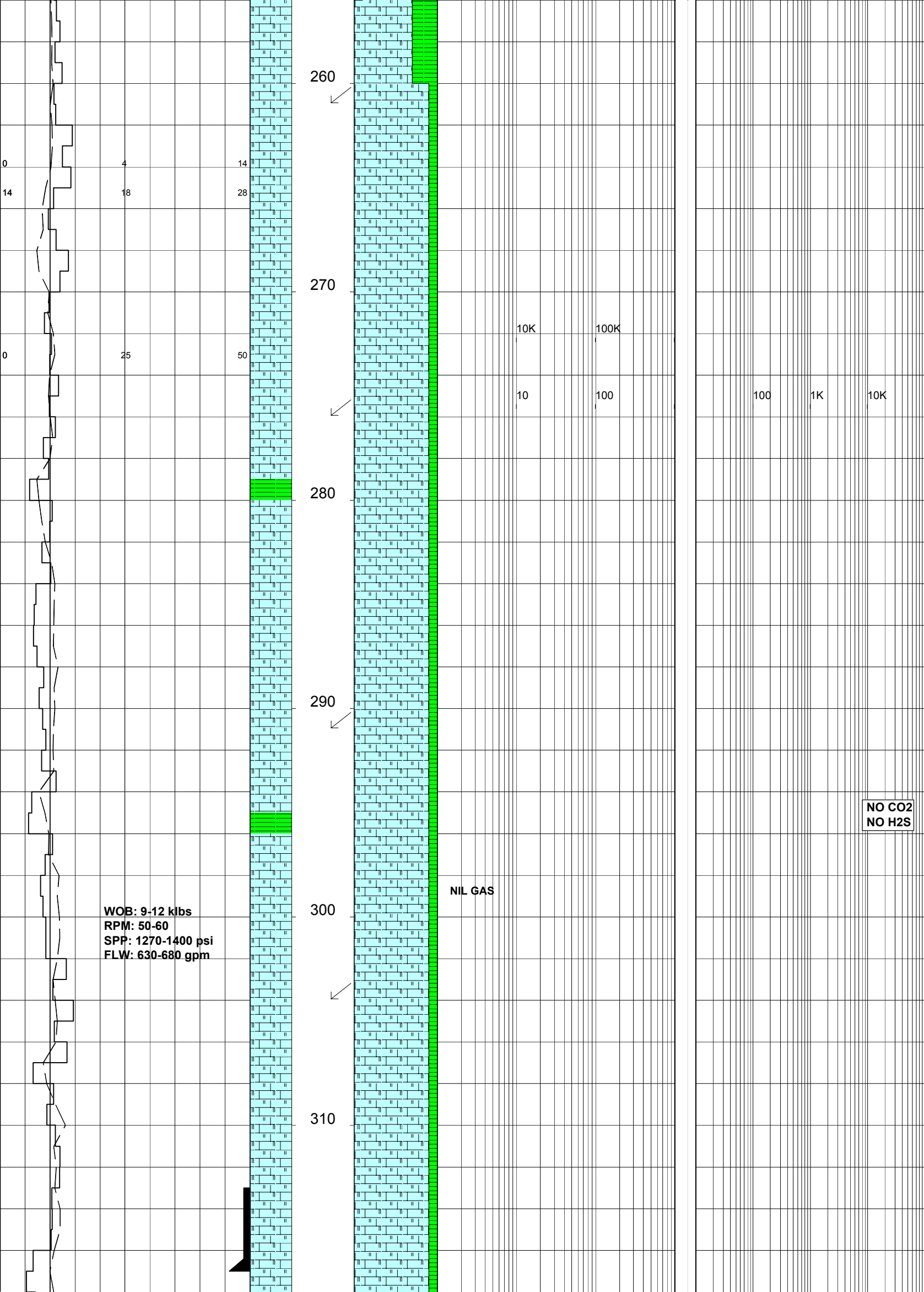
CALCARENITE:lt-med gry,med-crs,
tr glauc,arg,com foss frags,mod hd-
occ hd,sbblky.

NO CO2
NO H2S

SURVEY @ 247.7m: 13.99° 113.4°T

WOB: 7-10 klbs
RPM: 50-80
SPP: 1290-1360 psi
FLW: 620-660 gpm

MARL/CALC CLYST:lt grn/gy,lt gry,
aren i/p,arg i/p,tr glauc,tr lse f-med
qtz grns,com foss frags,disp,sft,



amorph.

SURVEY @ 261.6m: 16.60° 112.2°T

SURVEY @ 276.5m: 9.07° 117.1°T

**CALCARENITE:lt-med gry,lt-med brn/
gry,f-dom med,mnr crs,sil,arg,loc com
foss frags,tr dk gry liths,tr glauc
grs,com lse clr f-med qtz grns,mod
hd-hd,sbblky.**

SURVEY @ 291.3m: 21.66° 120.0°T

NO CO2
NO H2S

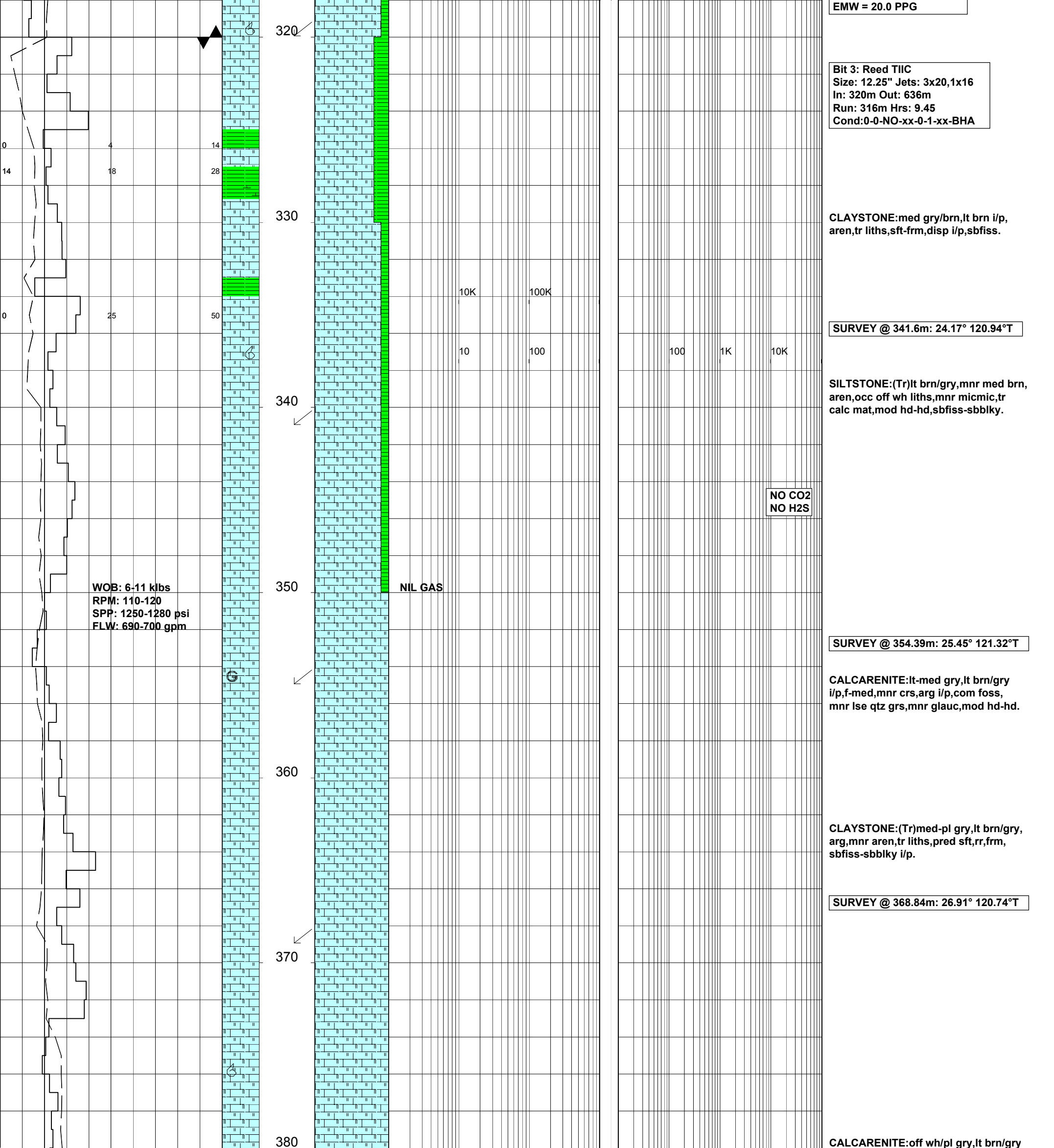
SURVEY @ 303.7m: 23.23° 118.7°T

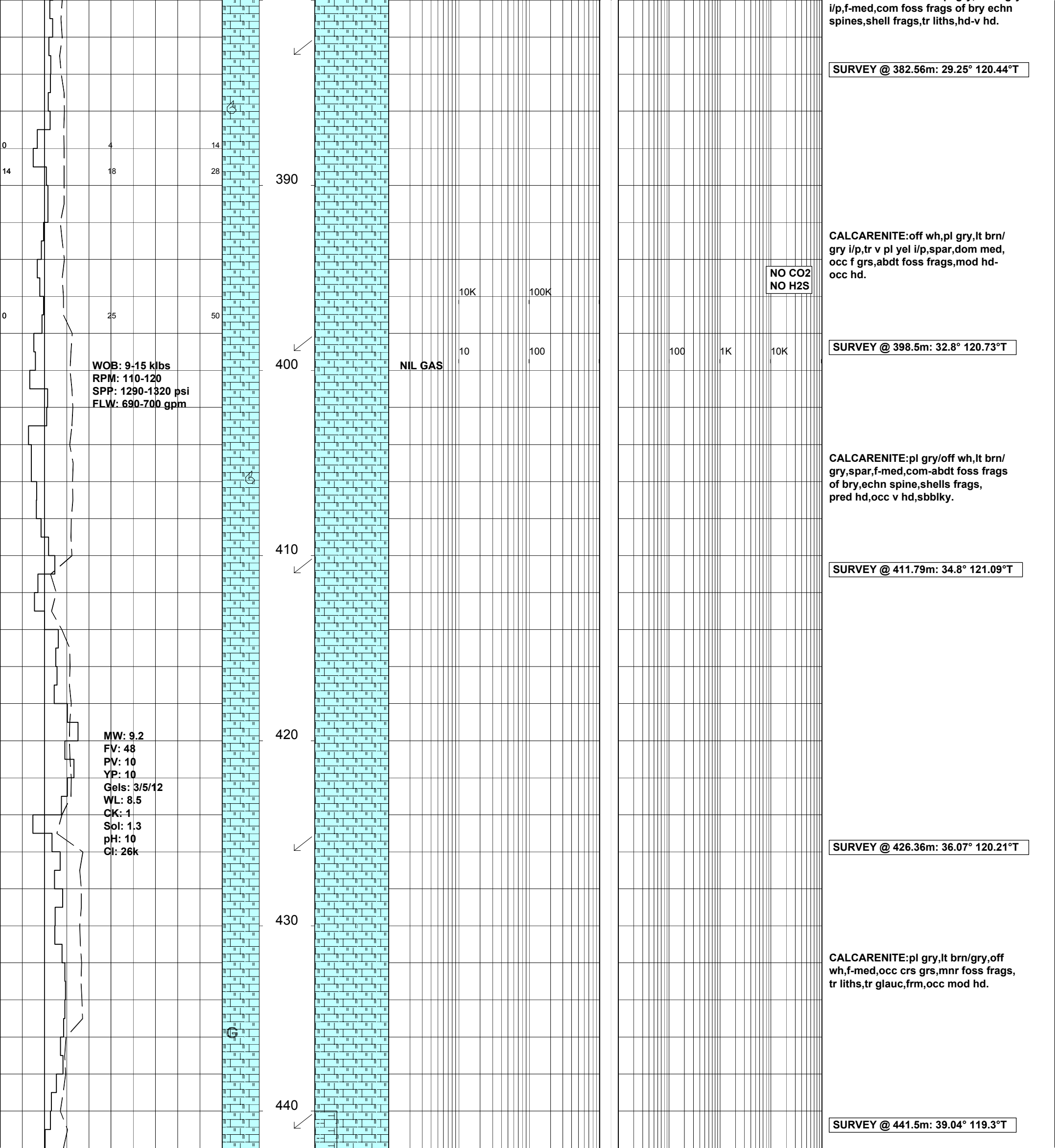
**CALCARENITE:lt-med gry,lt-med brn,
dom med,mnr crs,sil arg,com foss
frags,tr dk gry liths,tr glauc,loc
calcite cmt, occ lse clr qtz grs,mod
hd-hd,**

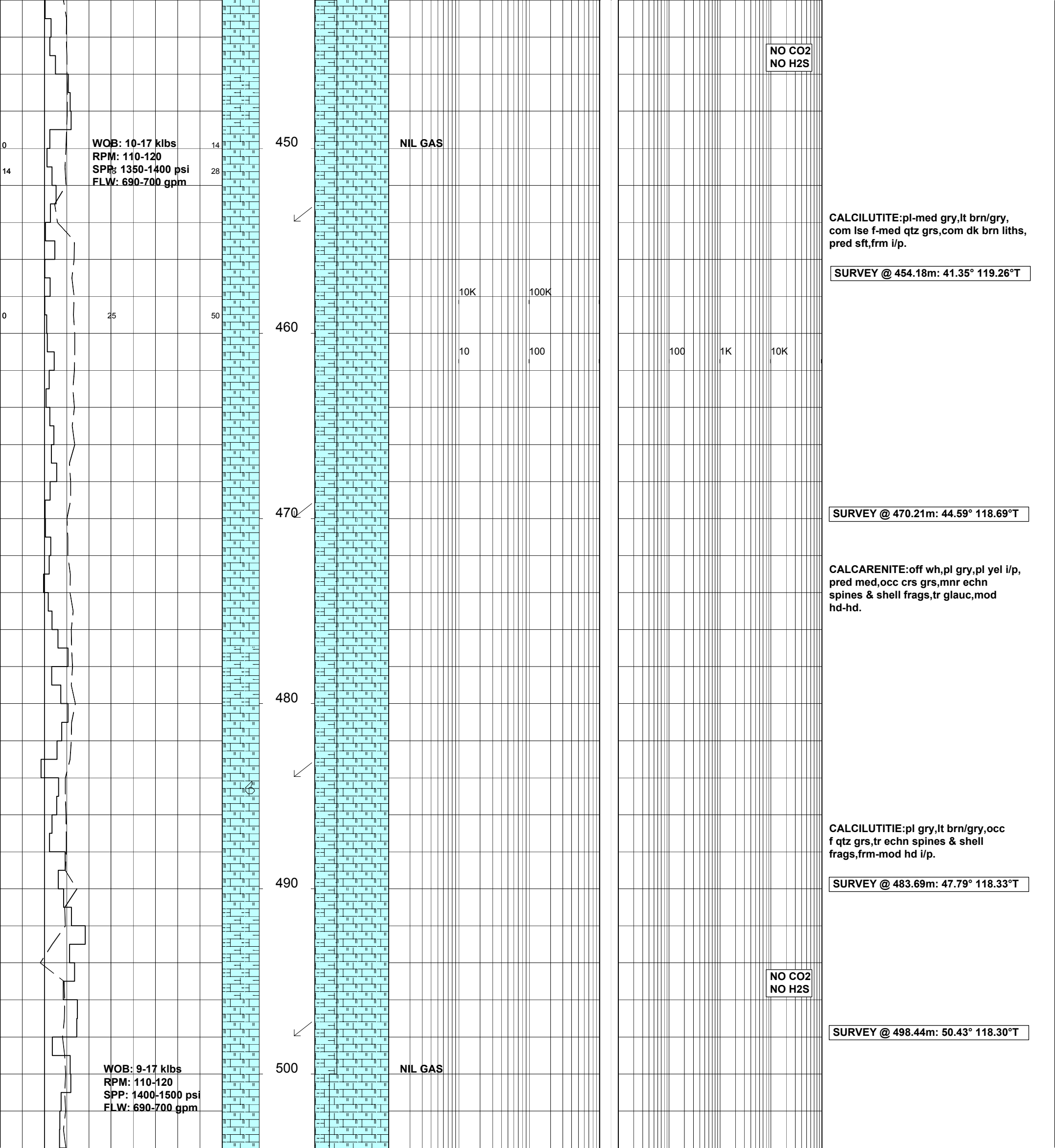
13.375" CASING SHOE
SET @ 317m

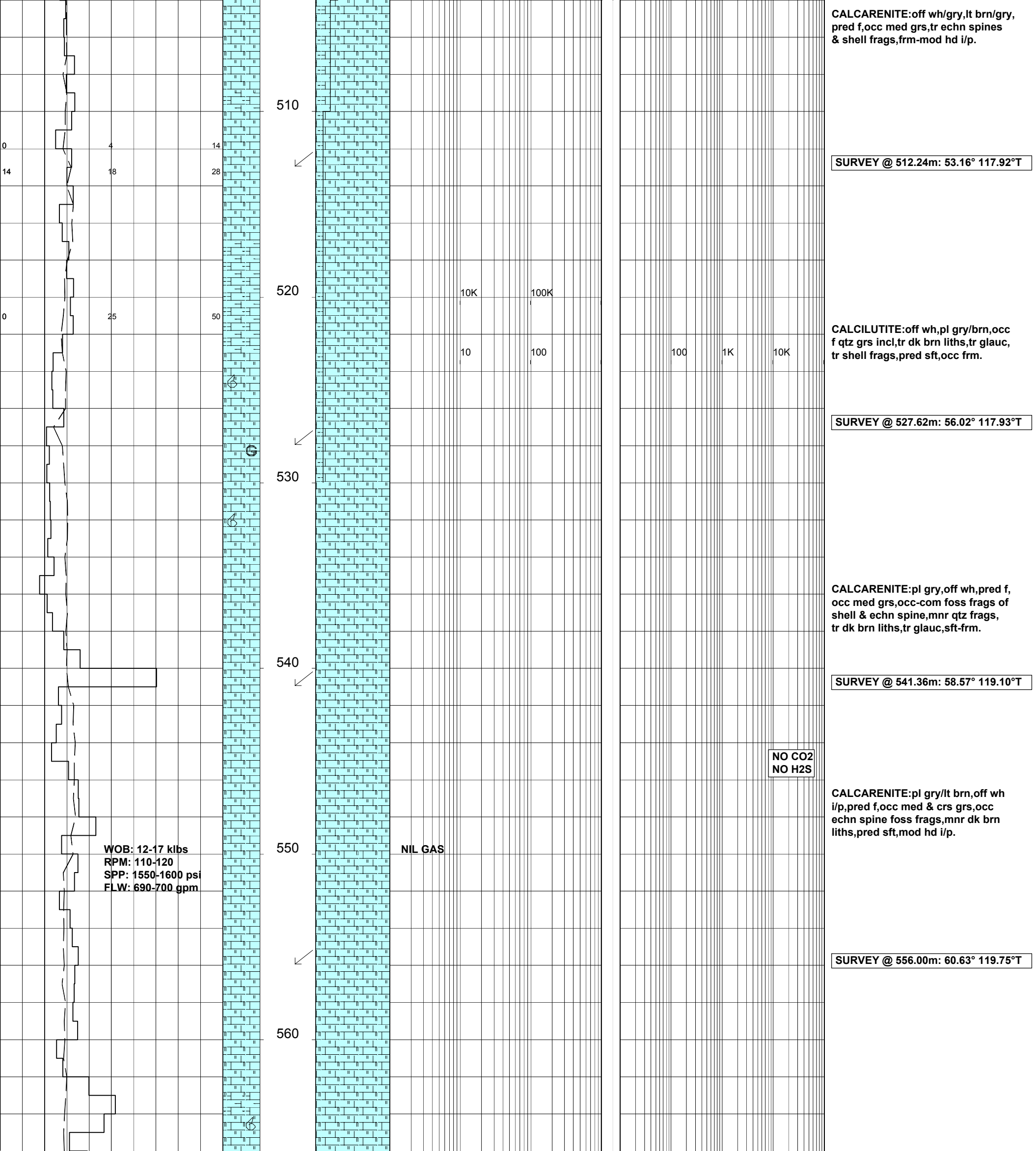
SURVEY @ 320.0m: 22.4° 120.78°T

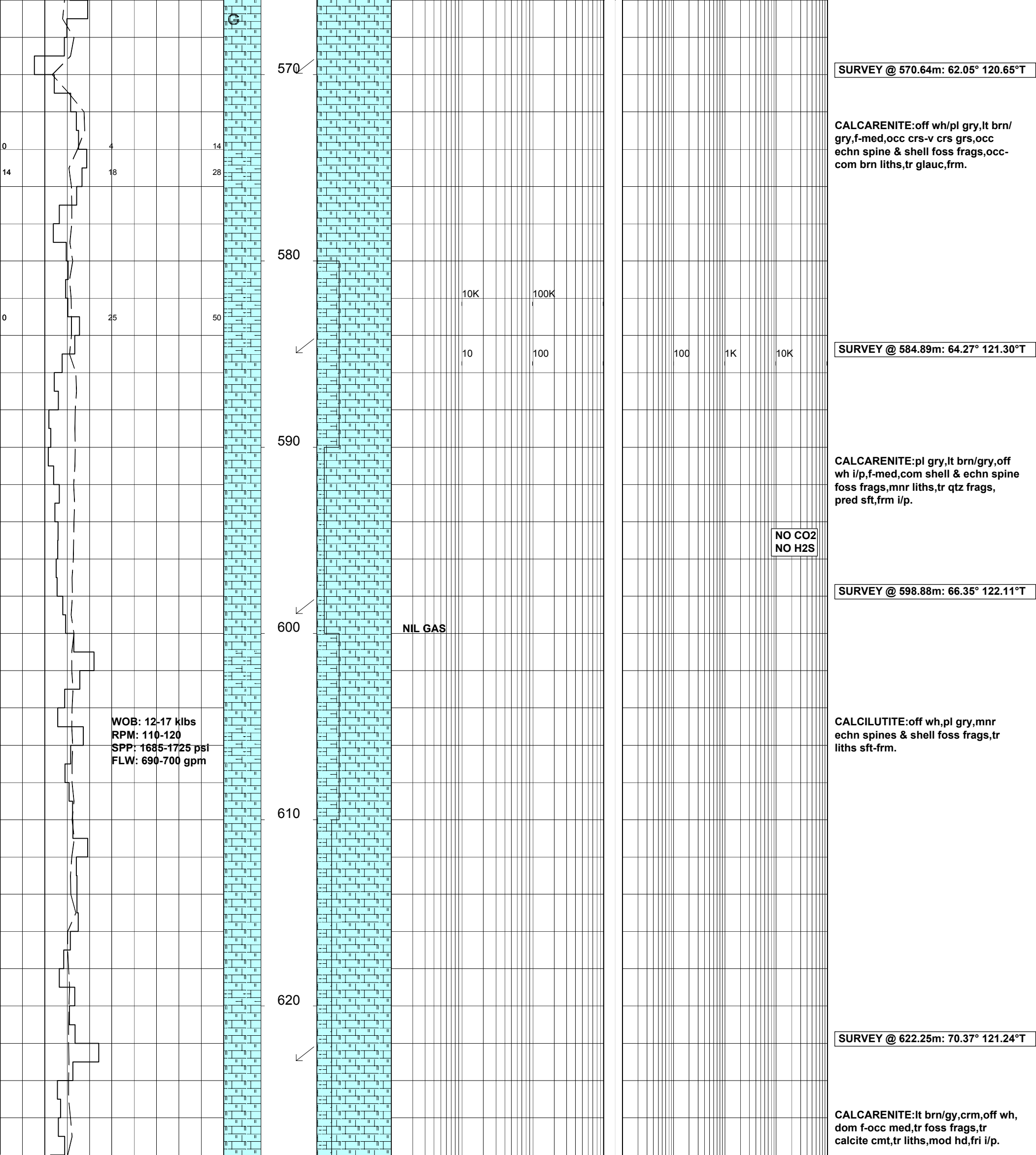
LEAK-OFF TEST @ 317m

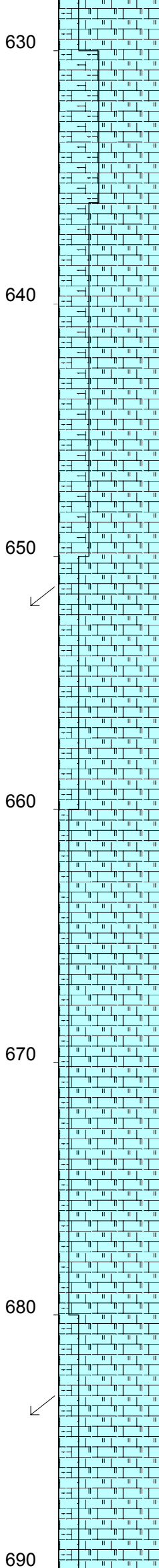
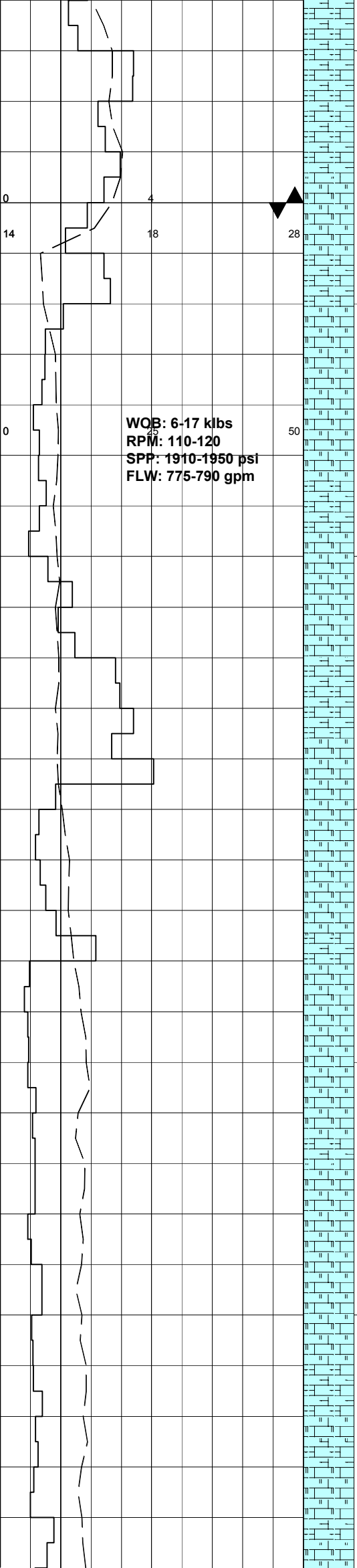












NIL GAS

10K

10

100K

100

NO CO2
NO H2S

100

1K

10K

POOH TO PICK UP GEOPILLOT

Bit 4: Reed Hycalog RSX516S
Size: 12.25" Jets: 7x16
In: 636m Out: 1606m
Run: 970m Hrs: 22.04
Cond:1-1-ER-A-X-1-NO-TD

CALCILUTITE:off wh,opq,lt gry,
rr dk gry liths,mod hd-hd.

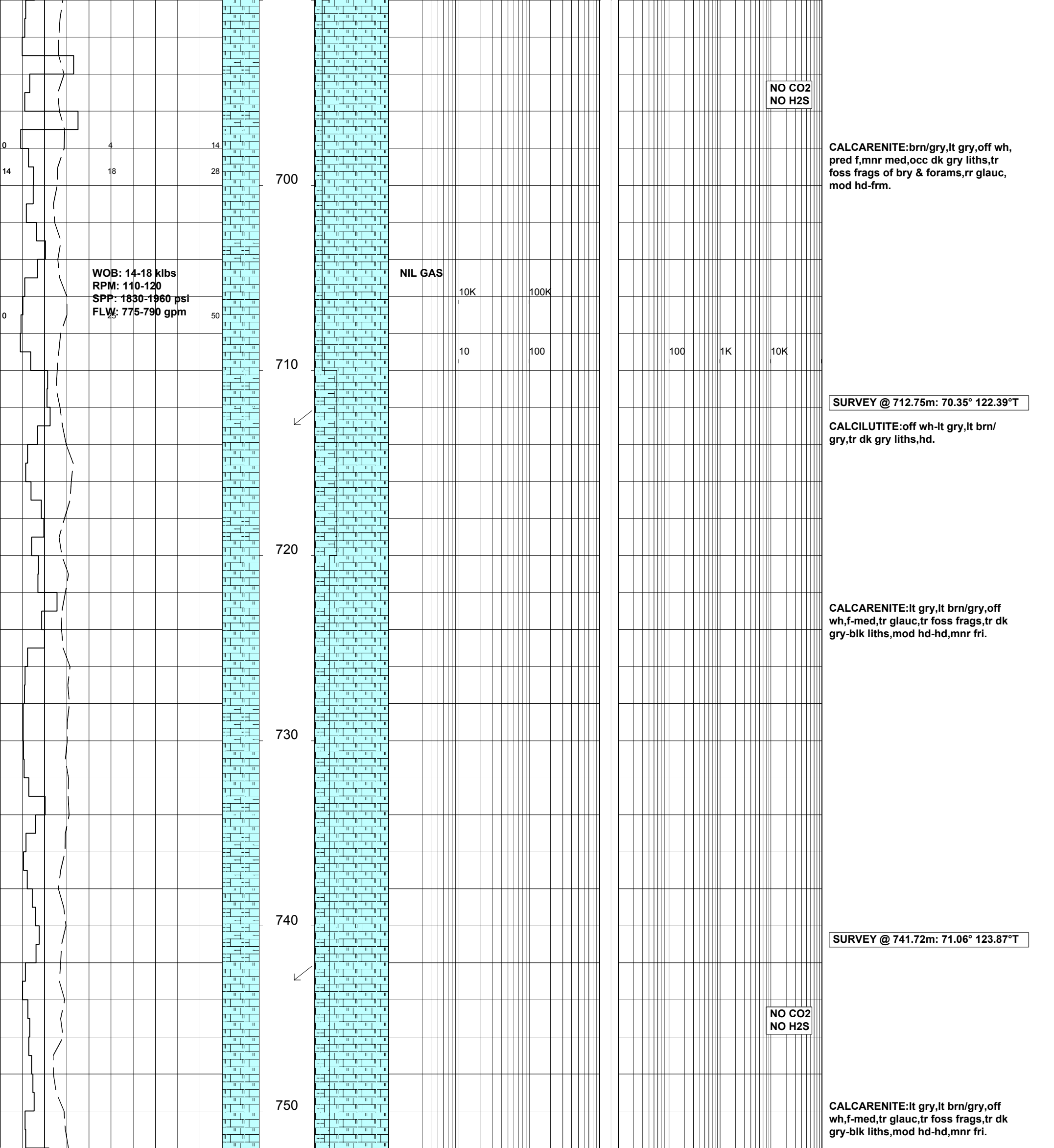
SURVEY @ 654.81m: 71.72° 121.17°T

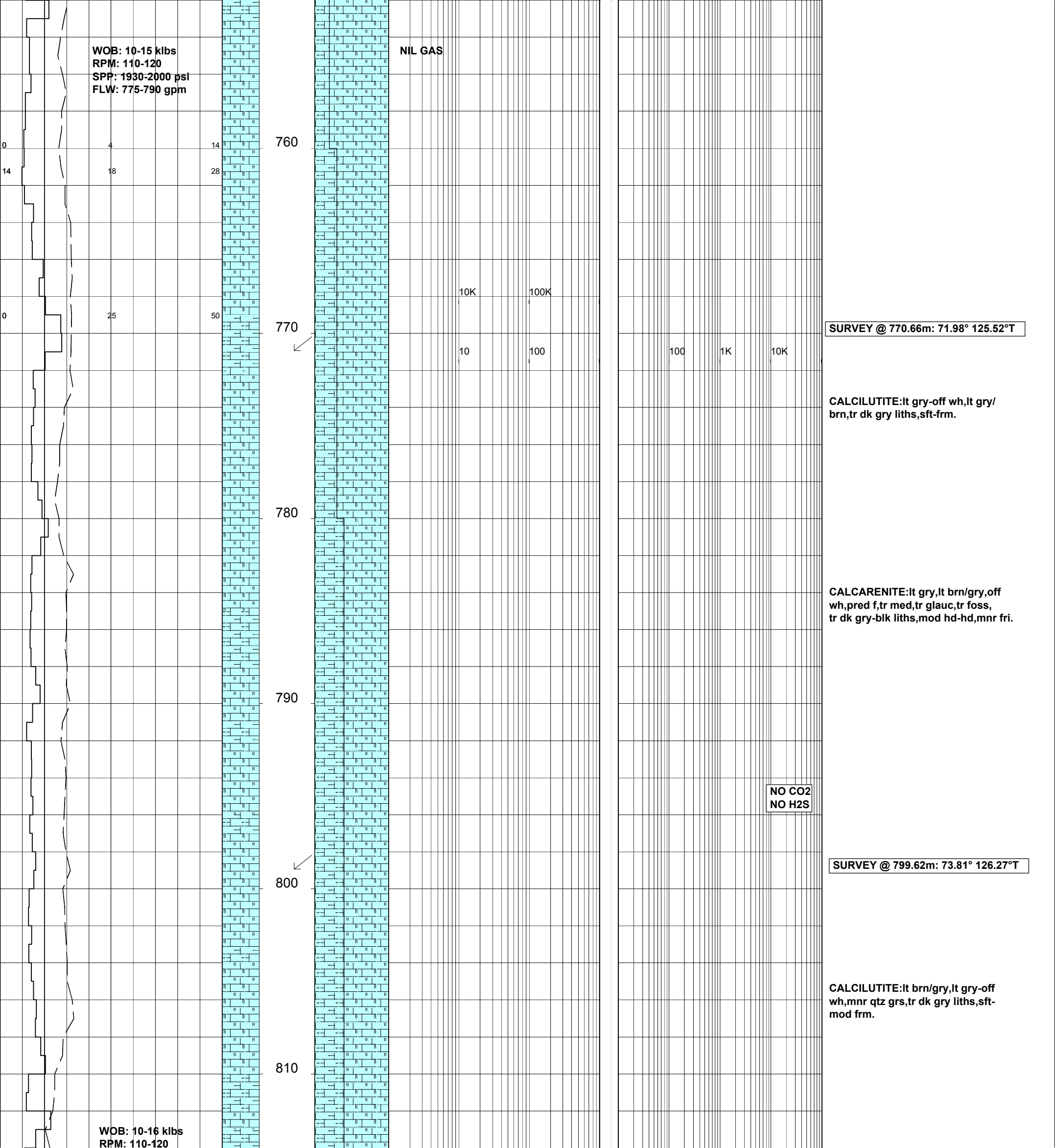
CALCARENITE:lt yel/gry,lt gry,off
wh,lt brn/gry,f-med,occ dk gry liths,
tr foss frags of bry & forams,frm-
mod hd.

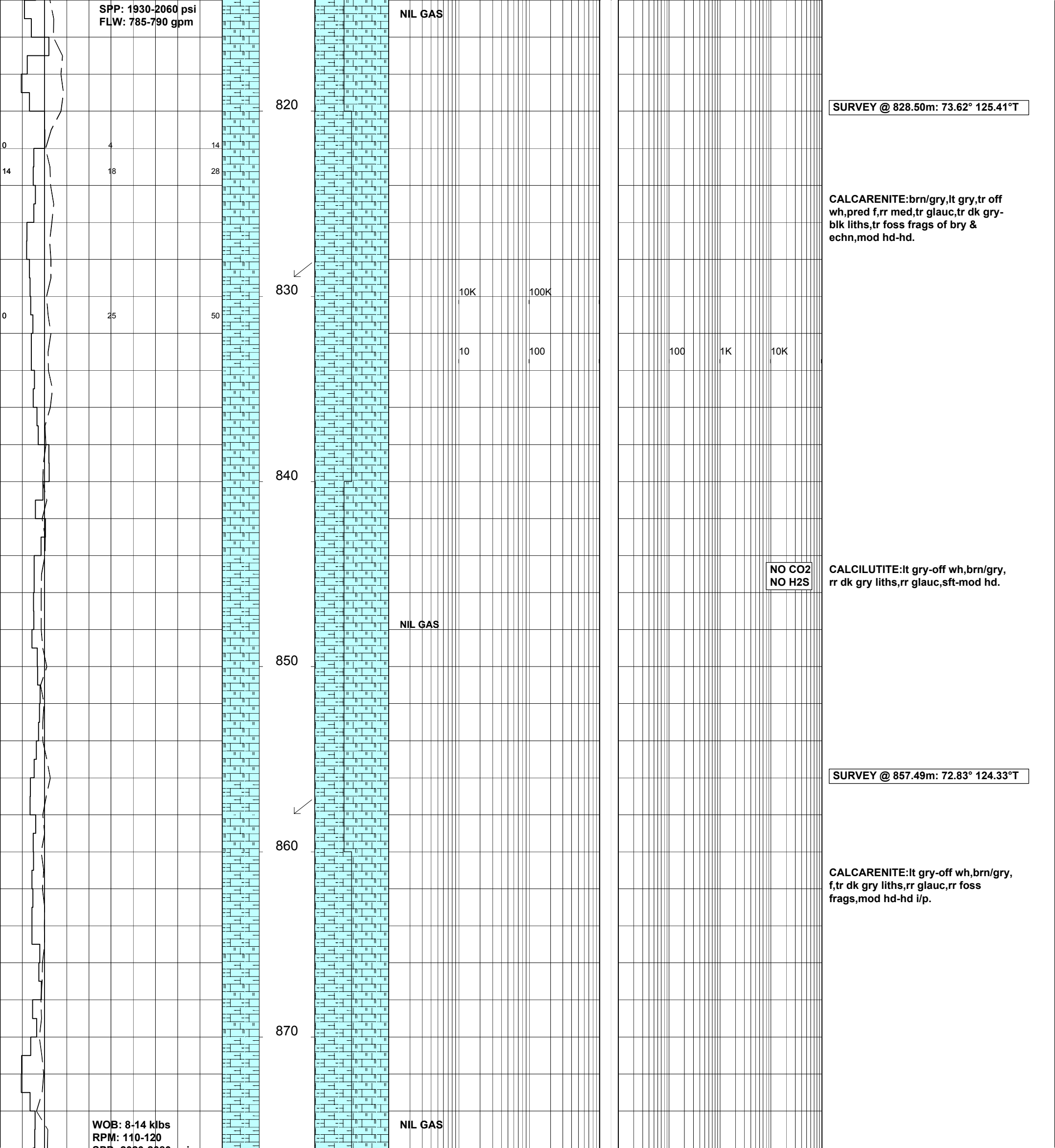
CALCILUTITE:off wh,opq,lt gry,mod
hd-hd.

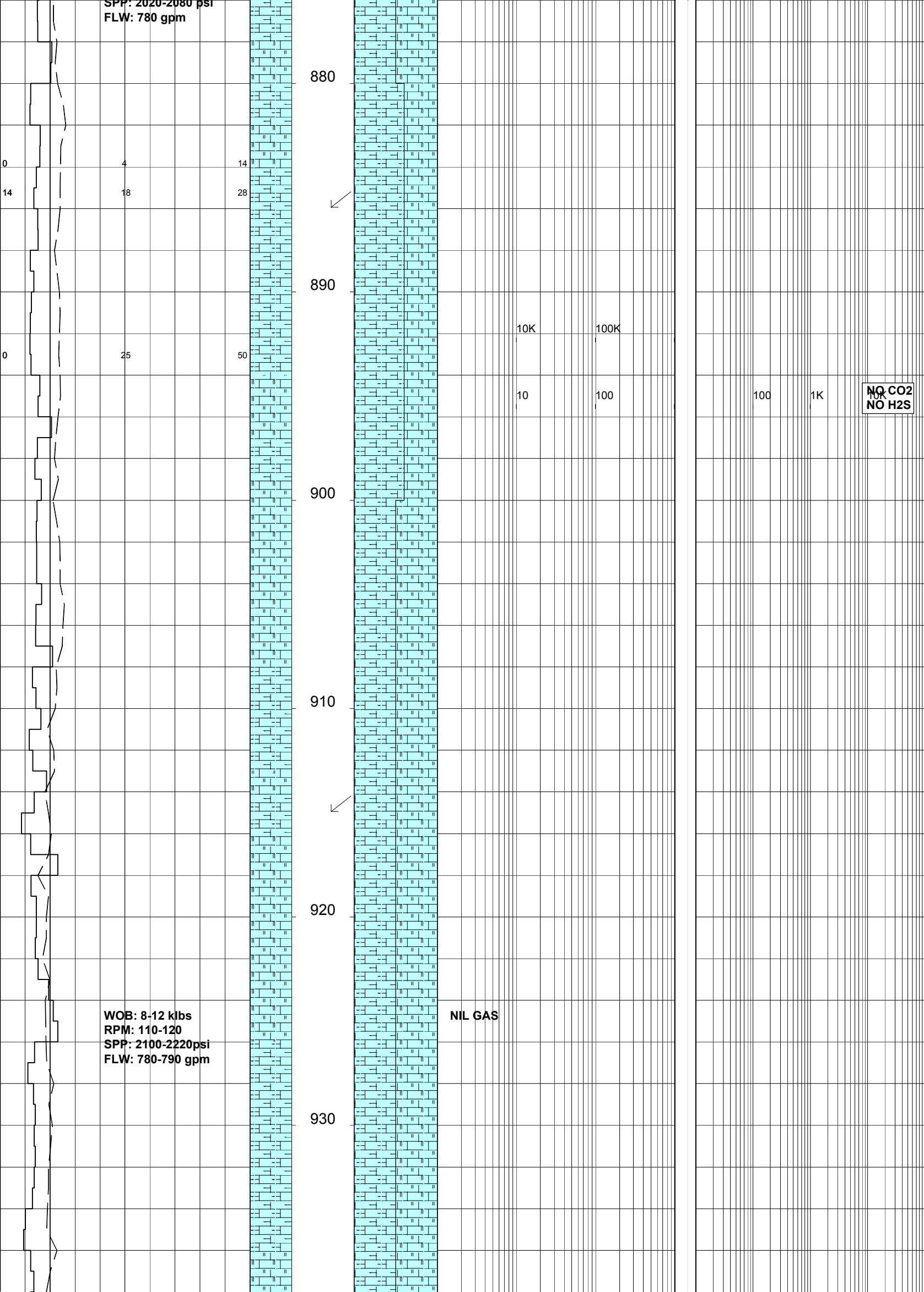
SURVEY @ 683.79m: 70.55° 121.69°T

CALCILUTITE:off wh,opq,lt gry,mod
hd-hd.









CALCILUTITE:lt gry-off wh,brn/gry,
tr dk gry/blk liths,rr glauc,mod frm-
sft,arg.

SURVEY @ 886.43m: 71.86° 122.55°T

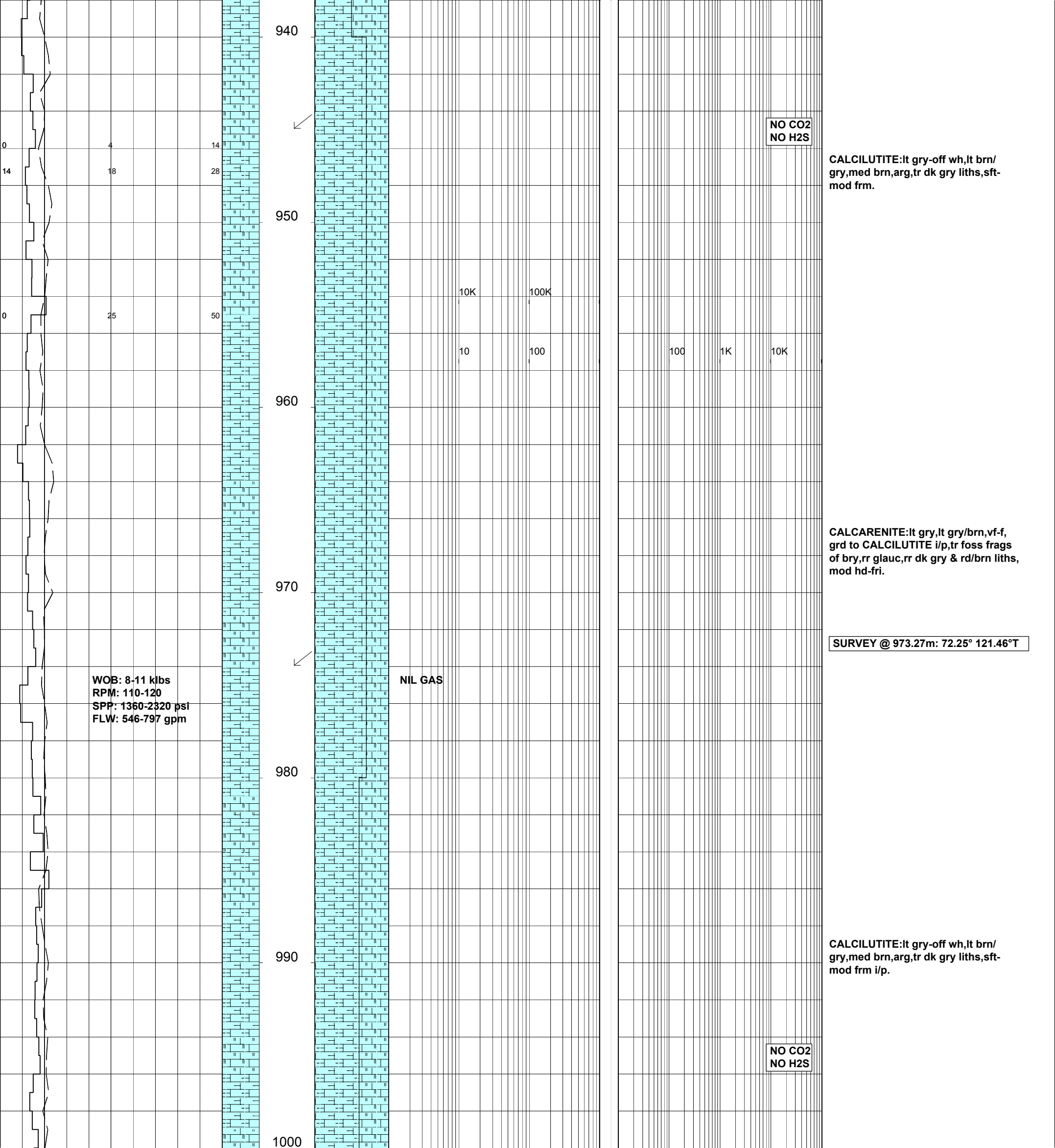
CALCARENITE:lt gry-off wh,lt gry/
brn,f-vf,rr med,tr blk liths,rr glauc,
rr foss frags of bry & echn,mod
hd-hd i/p.

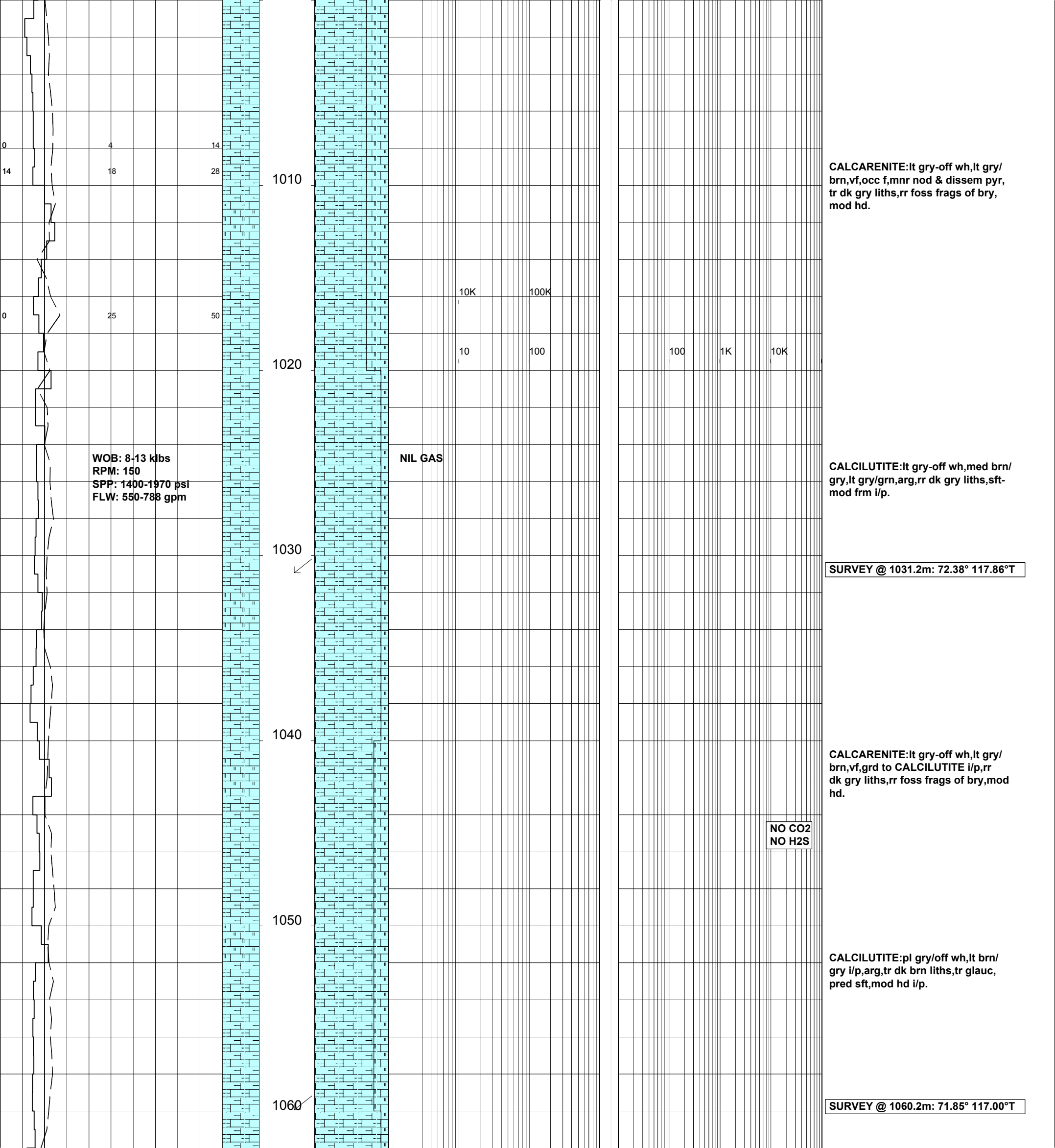
CALCILUTITE:lt gry-off wh,brn/gry,
tr blk liths,rr glauc,arg,mod frm-
sft.

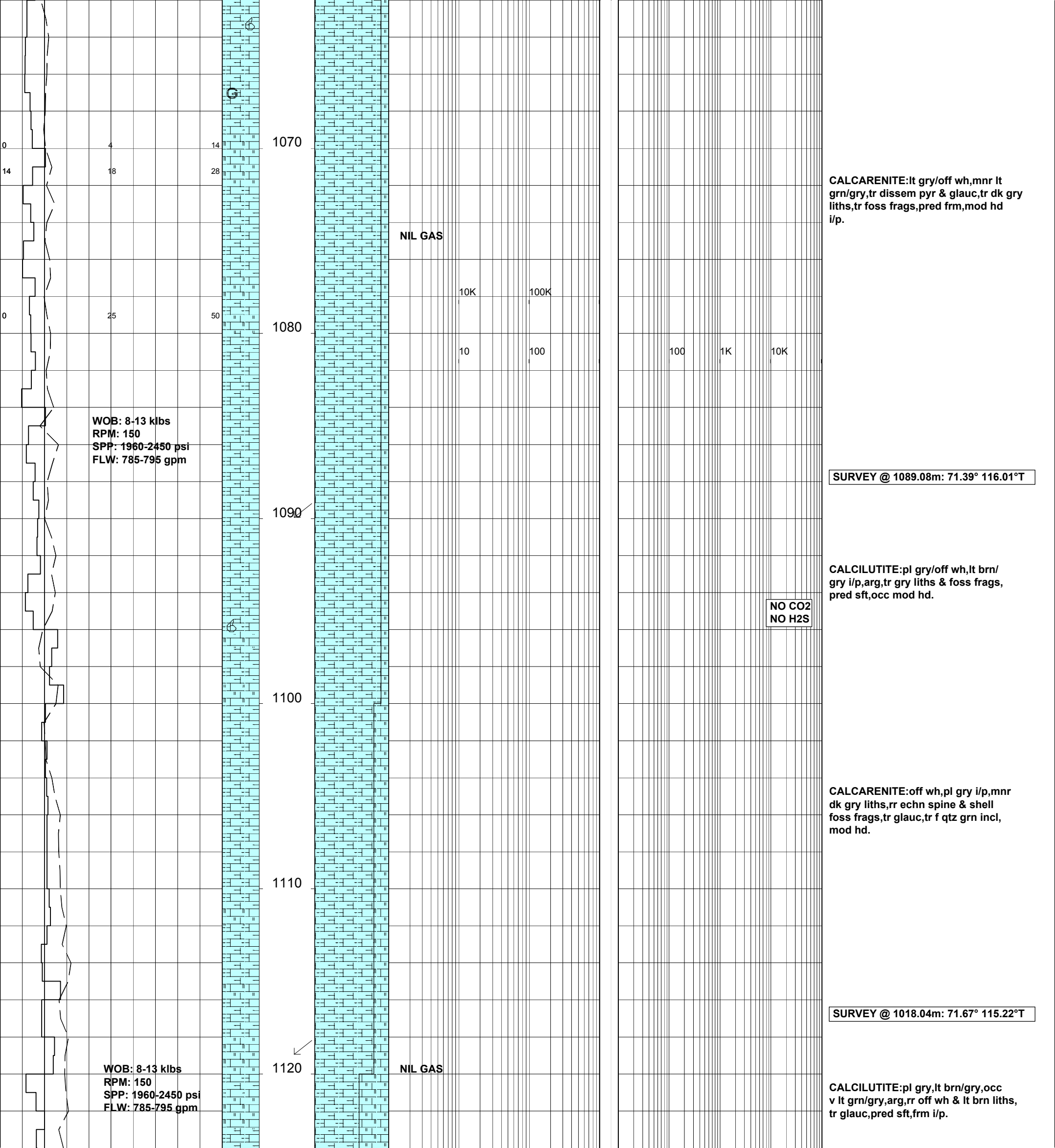
SURVEY @ 915.36m: 70.94° 122.36°T

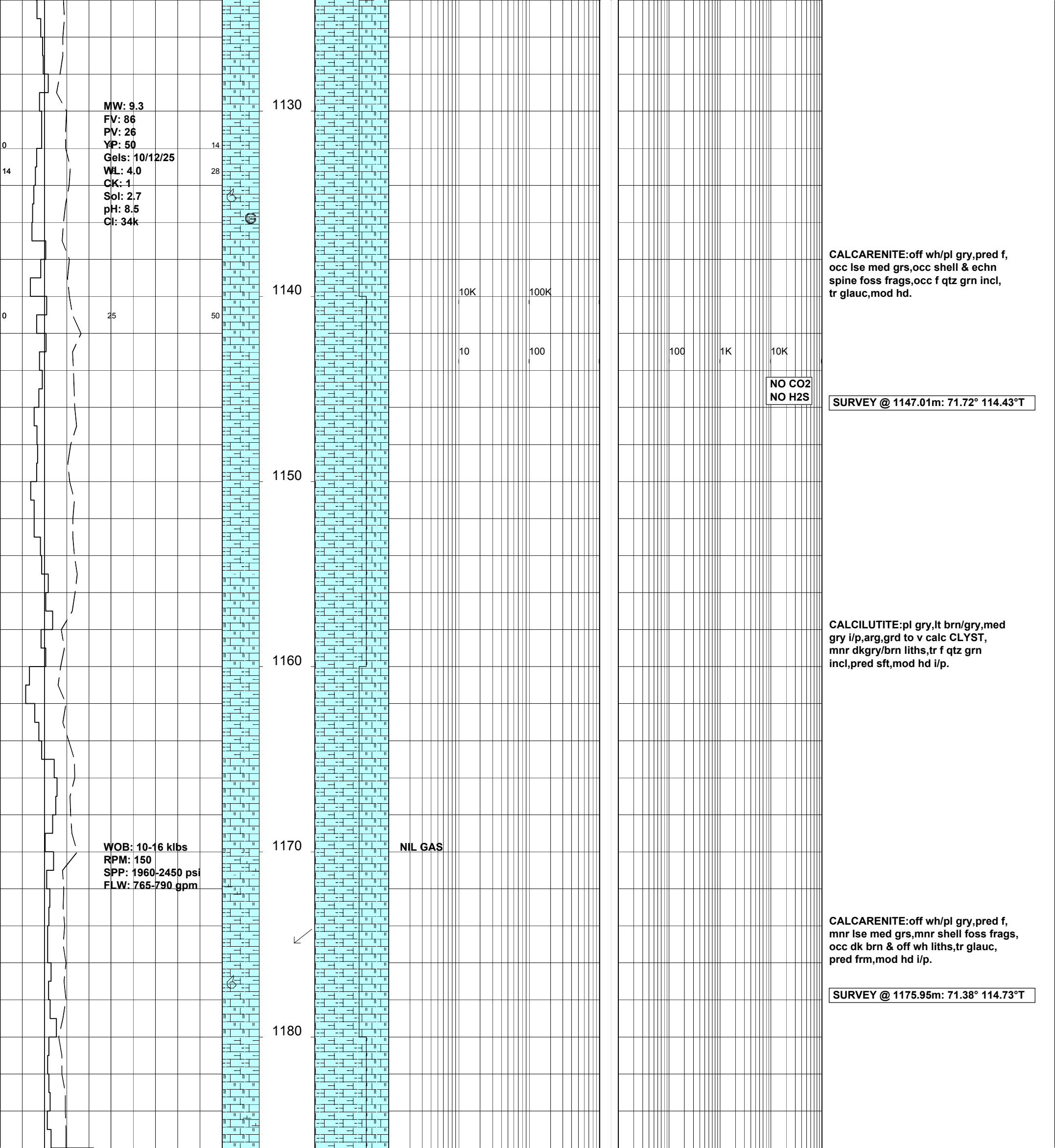
CALCARENITE:lt gry-off wh,lt gry/
brn,vf,occ f,grd to CALCILUTITE i/p,
tr foss frags of bry,rr glauc,rr
liths,mod hd-fri.

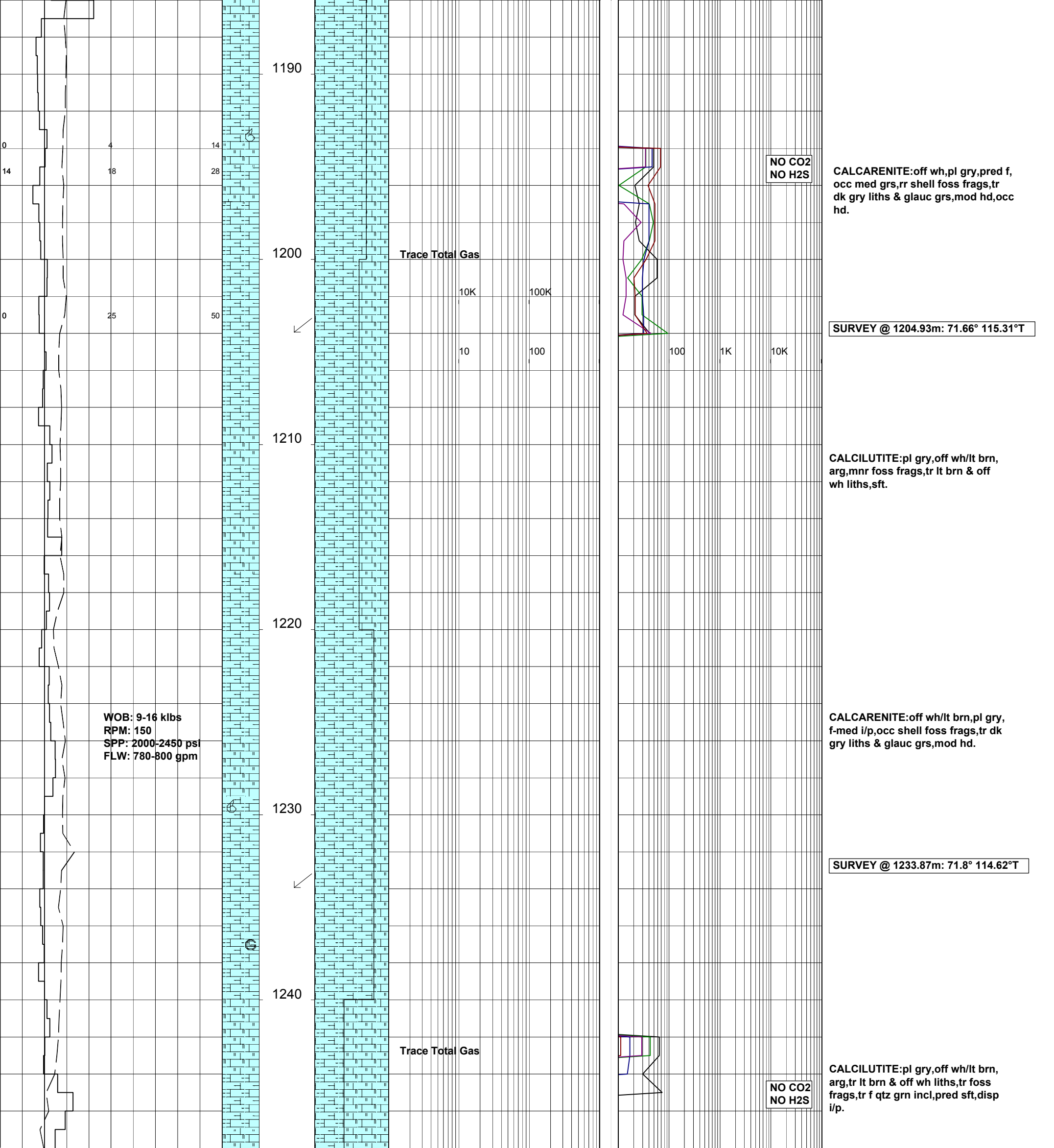
SURVEY @ 944.35m: 71.53° 122.47°T

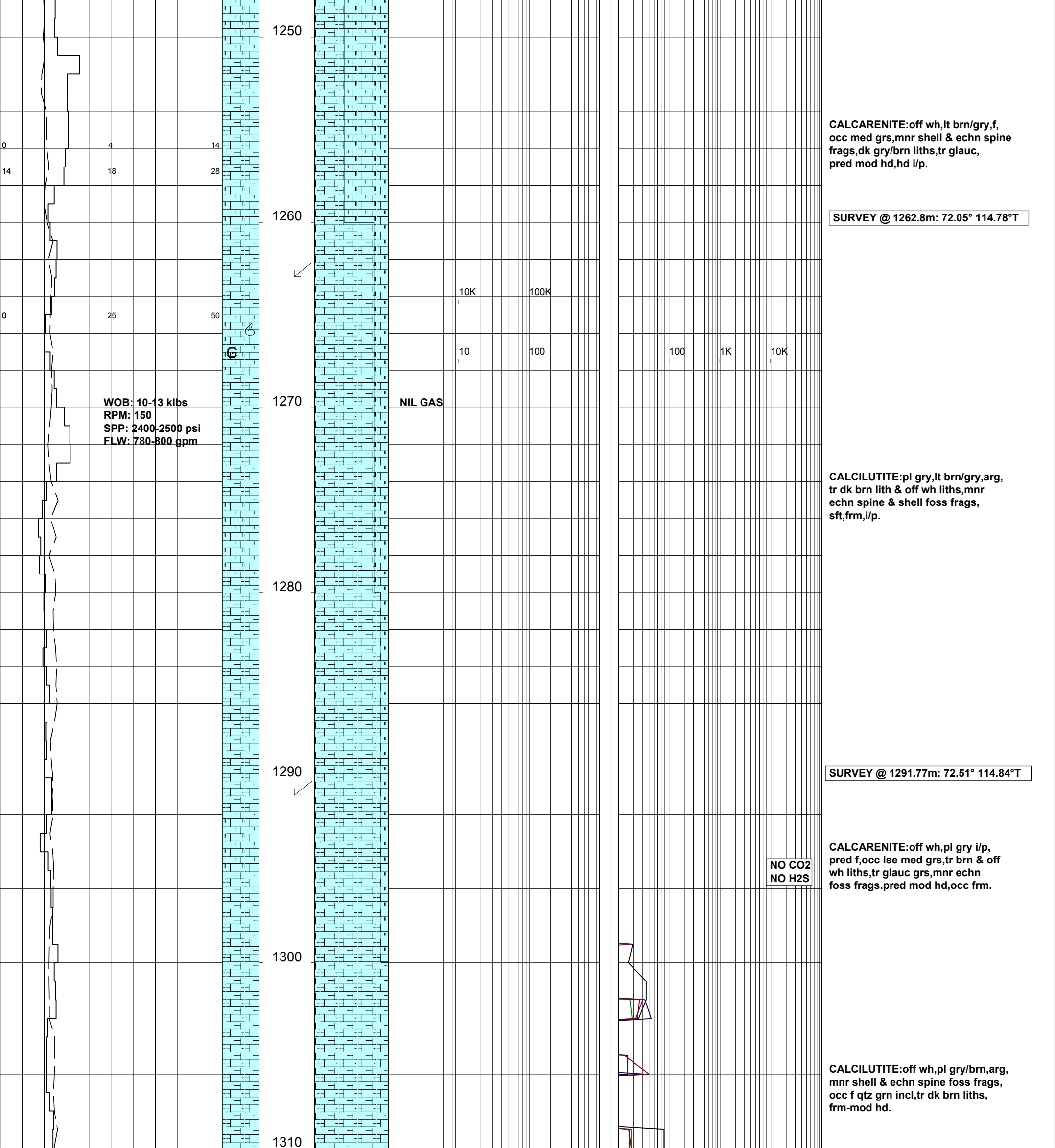


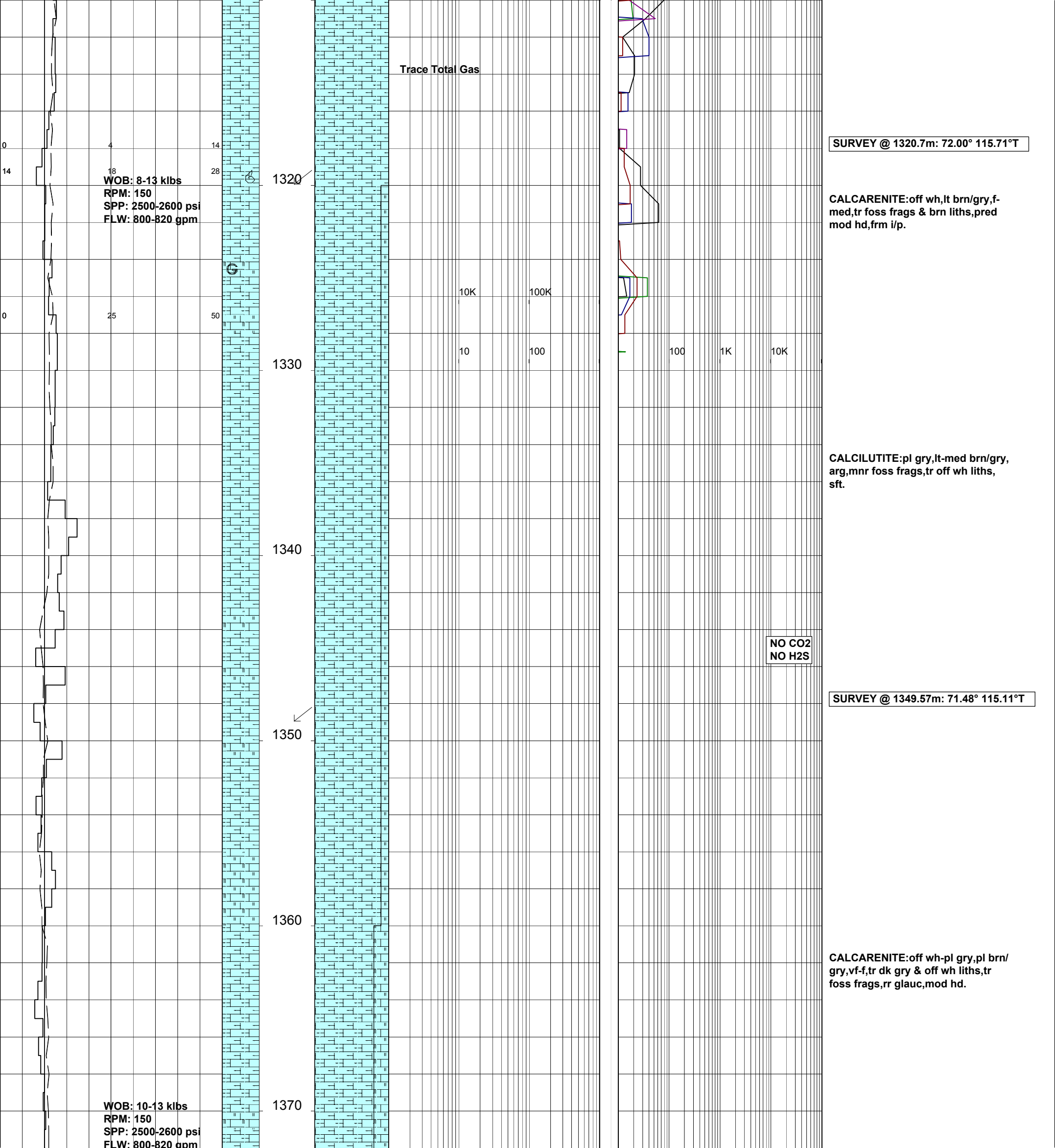


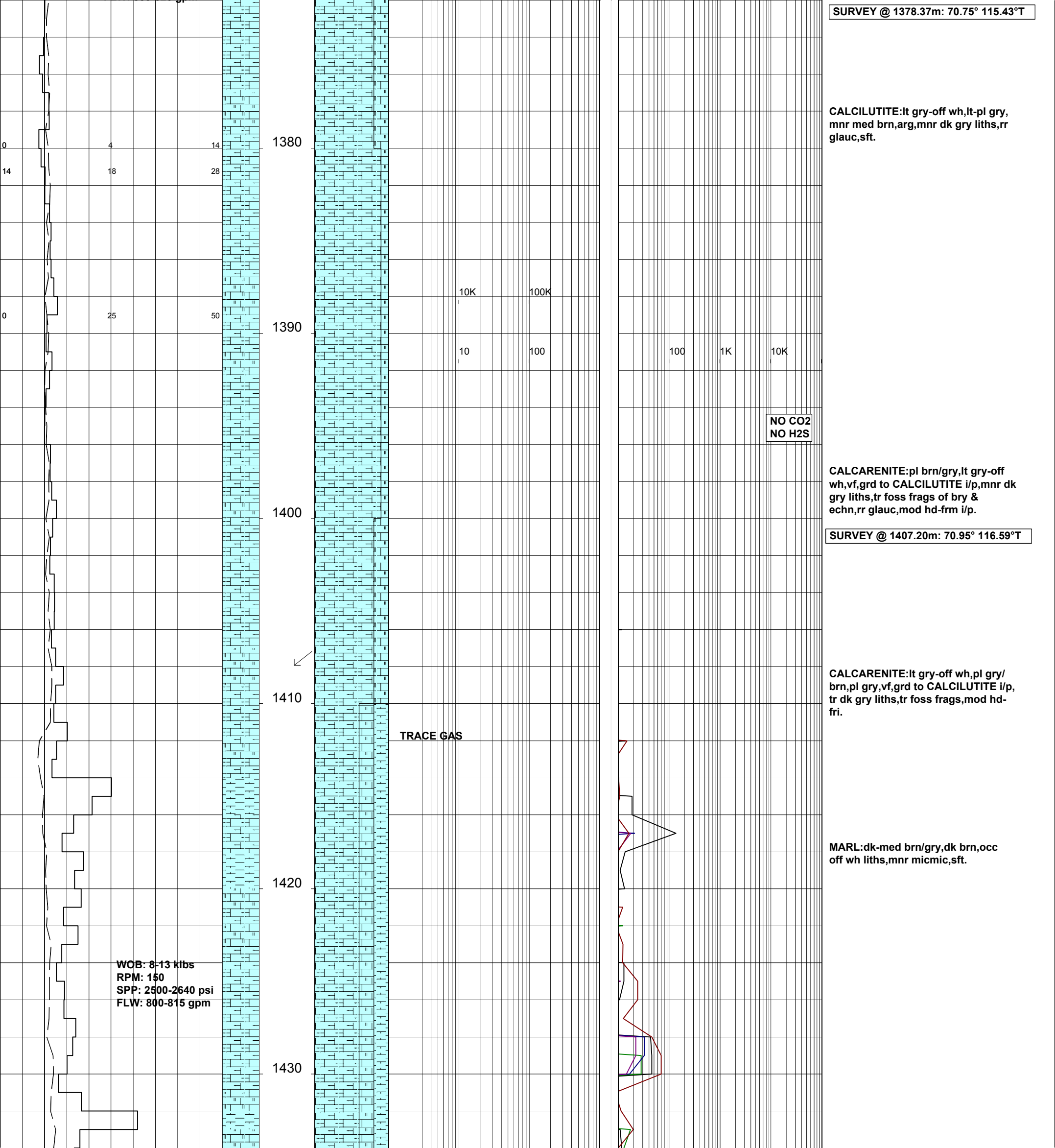












SURVEY @ 1378.37m: 70.75° 115.43°T

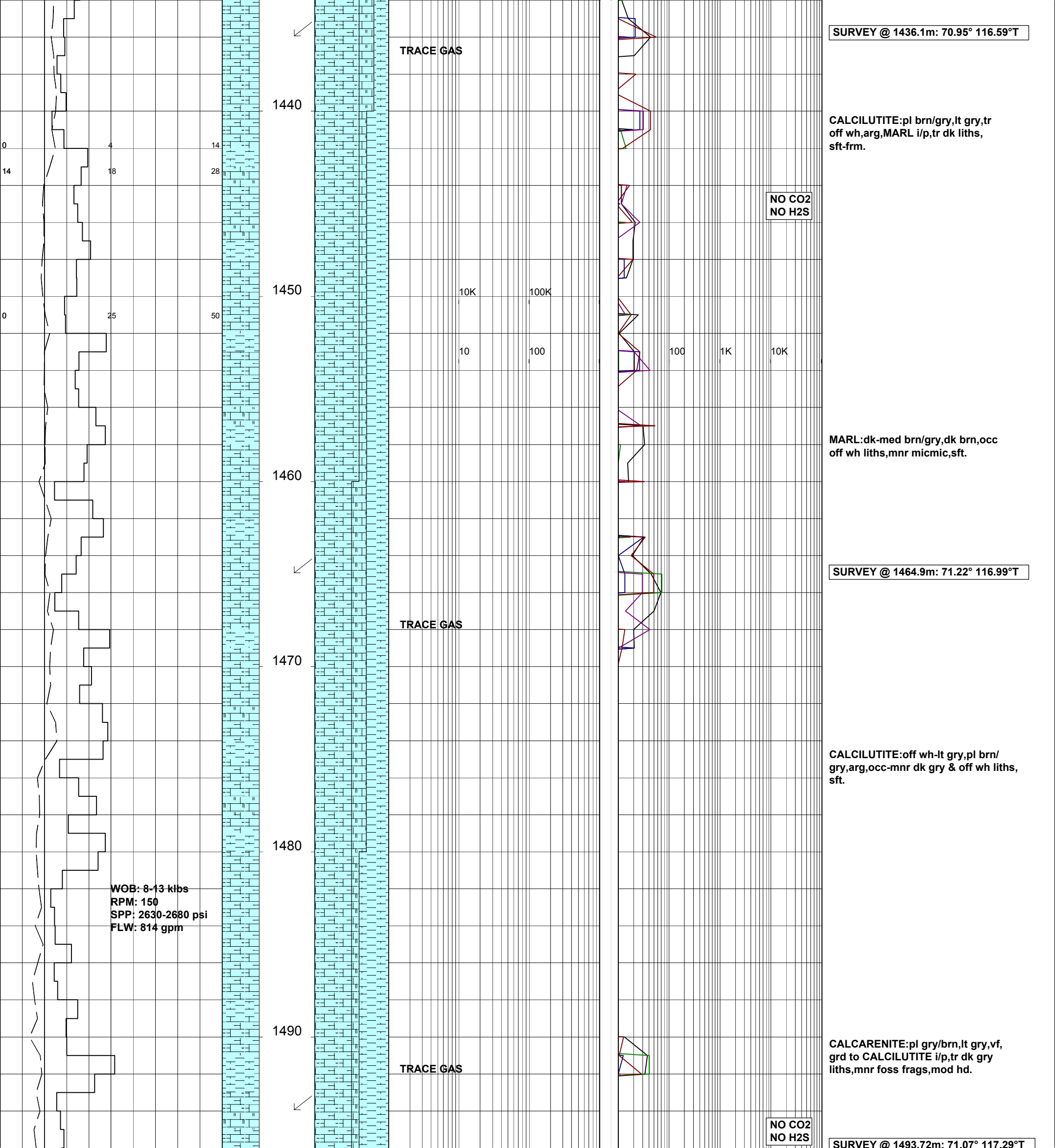
CALCILUTITE:lt gry-off wh,lt-pl gry, mn med brn,arg,mnr dk gry liths,rr glauc,sft.

CALCARENITE:pl brn/gry,lt gry-off wh,vf,grd to CALCILUTITE i/p,mnr dk gry liths,tr foss frags of bry & echn,rr glauc,mod hd-frm i/p.

SURVEY @ 1407.20m: 70.95° 116.59°T

CALCARENITE:lt gry-off wh,pl gry/ brn,pl gry,vf,grd to CALCILUTITE i/p, tr dk gry liths,tr foss frags,mod hd-fri.

MARL:dk-med brn/gry,dk brn,occ off wh liths,mnr micmic,sft.



SURVEY @ 1436.1m: 70.95° 116.59°T

CALCILUTITE:pl brn/gry,lt gry,tr
off wh,arg,MARL i/p,tr dk liths,
sft-fm.

NO CO2
NO H2S

MARL:dk-med brn/gry,dk brn,occ
off wh liths,mnr micmic,sft.

SURVEY @ 1464.9m: 71.22° 116.99°T

CALCILUTITE:off wh-lt gry,pl brn/
gry,arg,occ-mnr dk gry & off wh liths,
sft.

CALCARENITE:pl gry/brn,lt gry,vf,
grd to CALCILUTITE i/p,tr dk gry
liths,mnr foss frags,mod hd.

NO CO2
NO H2S

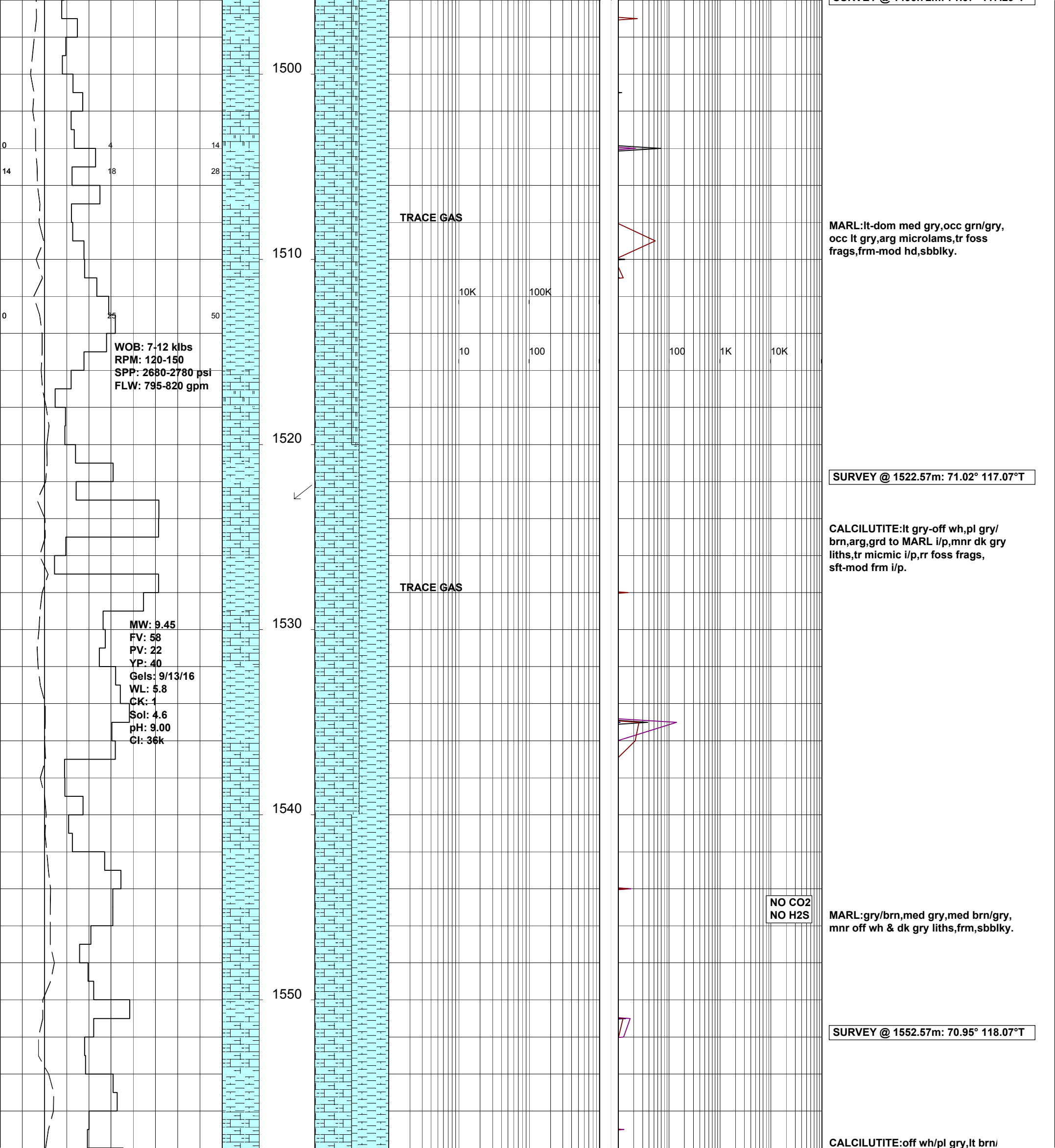
SURVEY @ 1493.72m: 71.07° 117.29°T

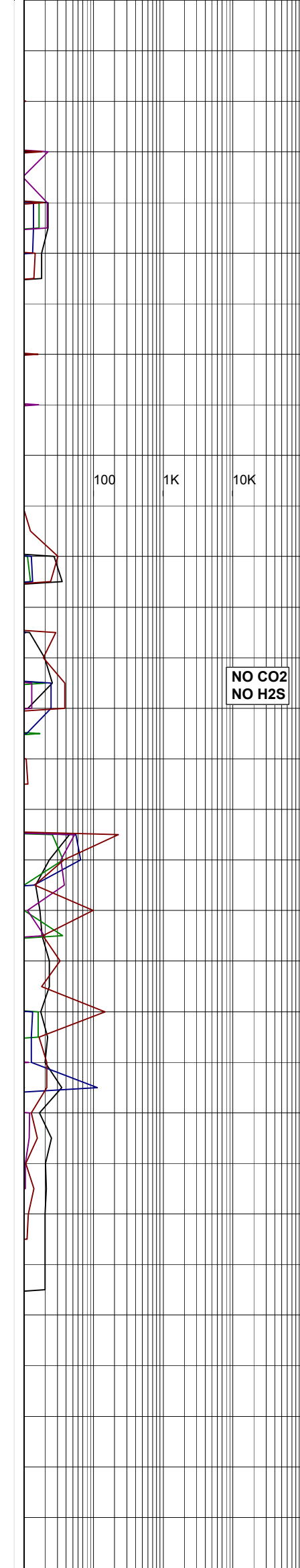
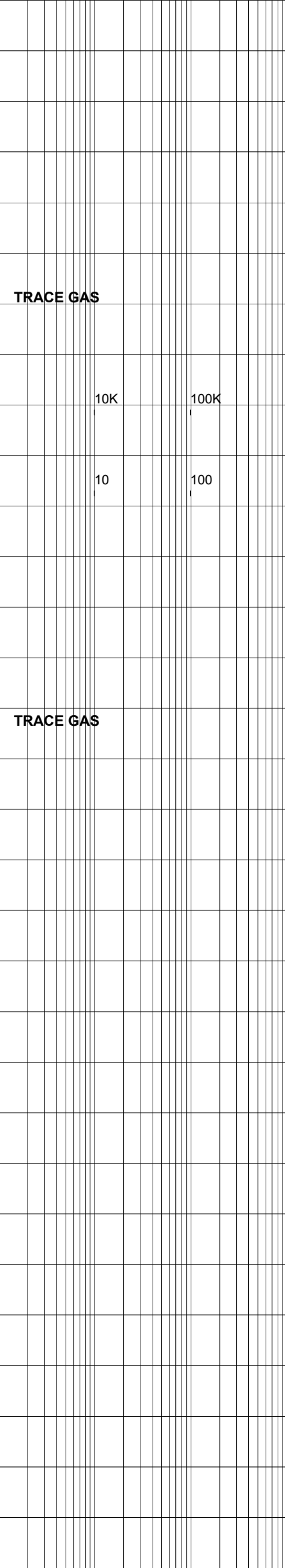
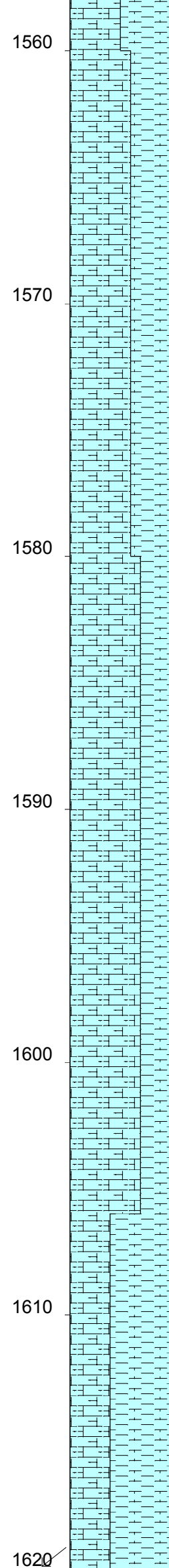
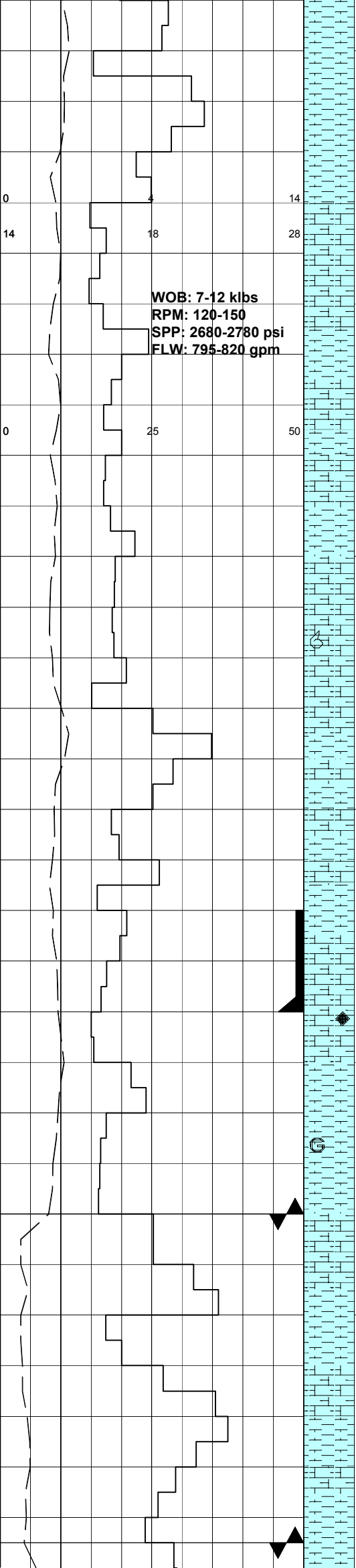
TRACE GAS

TRACE GAS

TRACE GAS

WOB: 8-13 klbs
RPM: 150
SPP: 2630-2680 psi
FLW: 814 gpm

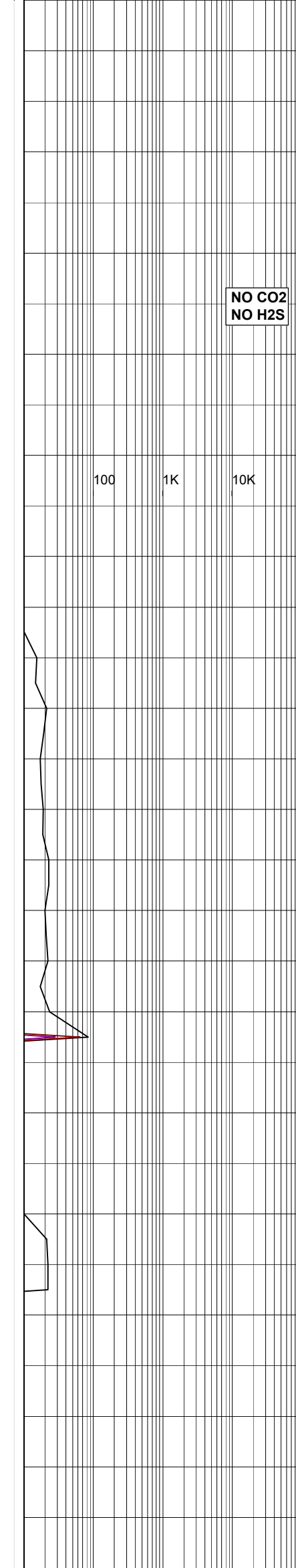
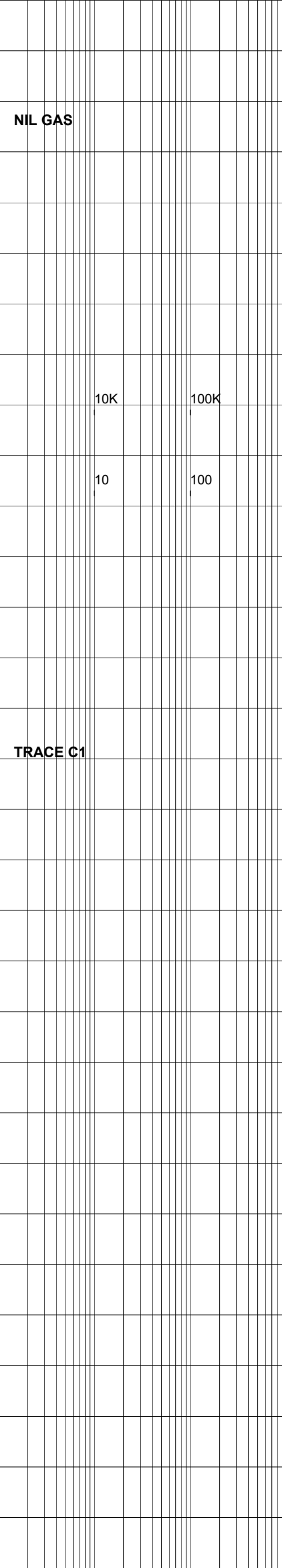
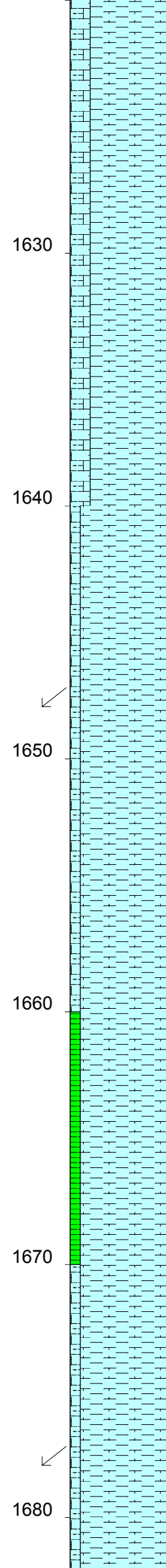
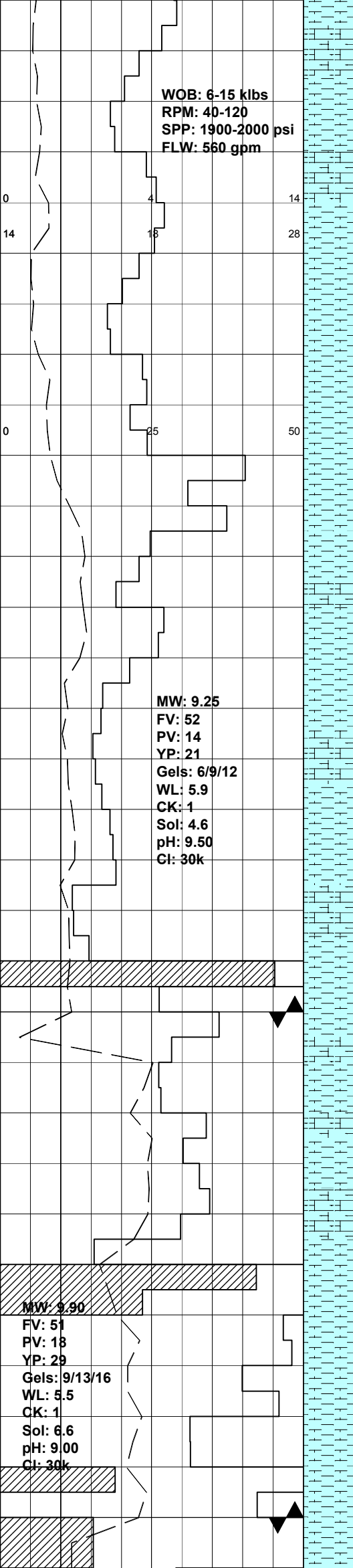




gry i/p,arg,grd to MARL i/p,occ foss
frags,mnr dk gry liths,sft.

MARL:lt-med gry/brn,pl gry i/p,mnr
off wh & dk gry liths,frm.

CALCILUTITE:pl gry/off wh,arg,mnr
foss frags,tr glauc,tr lt brn liths,
mod hd.



Cond: 2-3-CT-A-X-I-BT-RIG

SURVEY @ 1620.16m: 71.72° 118.44°T

MARL:med-dk gry,pl-med grn/gry,
mnr off wh liths,tr foss frags,sbblky.

SURVEY @ 1647.79m: 69.84° 118.53°T

Rmf: 0.11 ohm @ 75°F

CALCILUTITE:pl gry,off wh,arg,mnr
off wh & lt brn liths,rr foss frags,
pred mod hd,hd i/p.

BIT #8 USED FOR CIRCULATION
WHILE WAITING ON TOP DRIVE
REPAIRS

PULL OUT OF HOLE
TO REPAIR TOP DRIVE

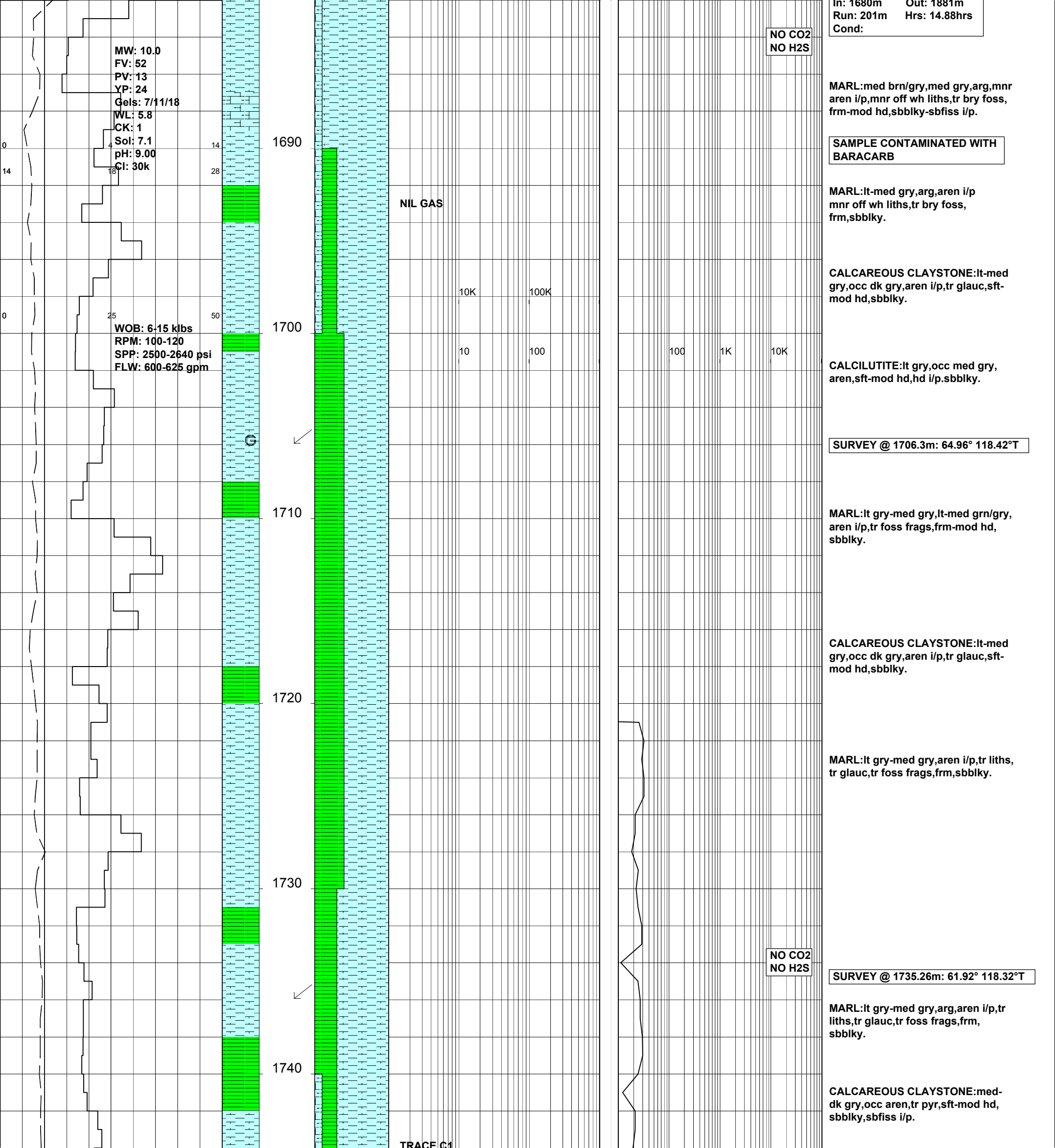
Bit 9: HYCALOG RSX616
Size: 8.50" Jets: 6x14
In: 1660m Out: 1680m
Run: 20m Hrs: 3.27hrs
Cond: 0-0-NO-xx-X-I-NO-PR

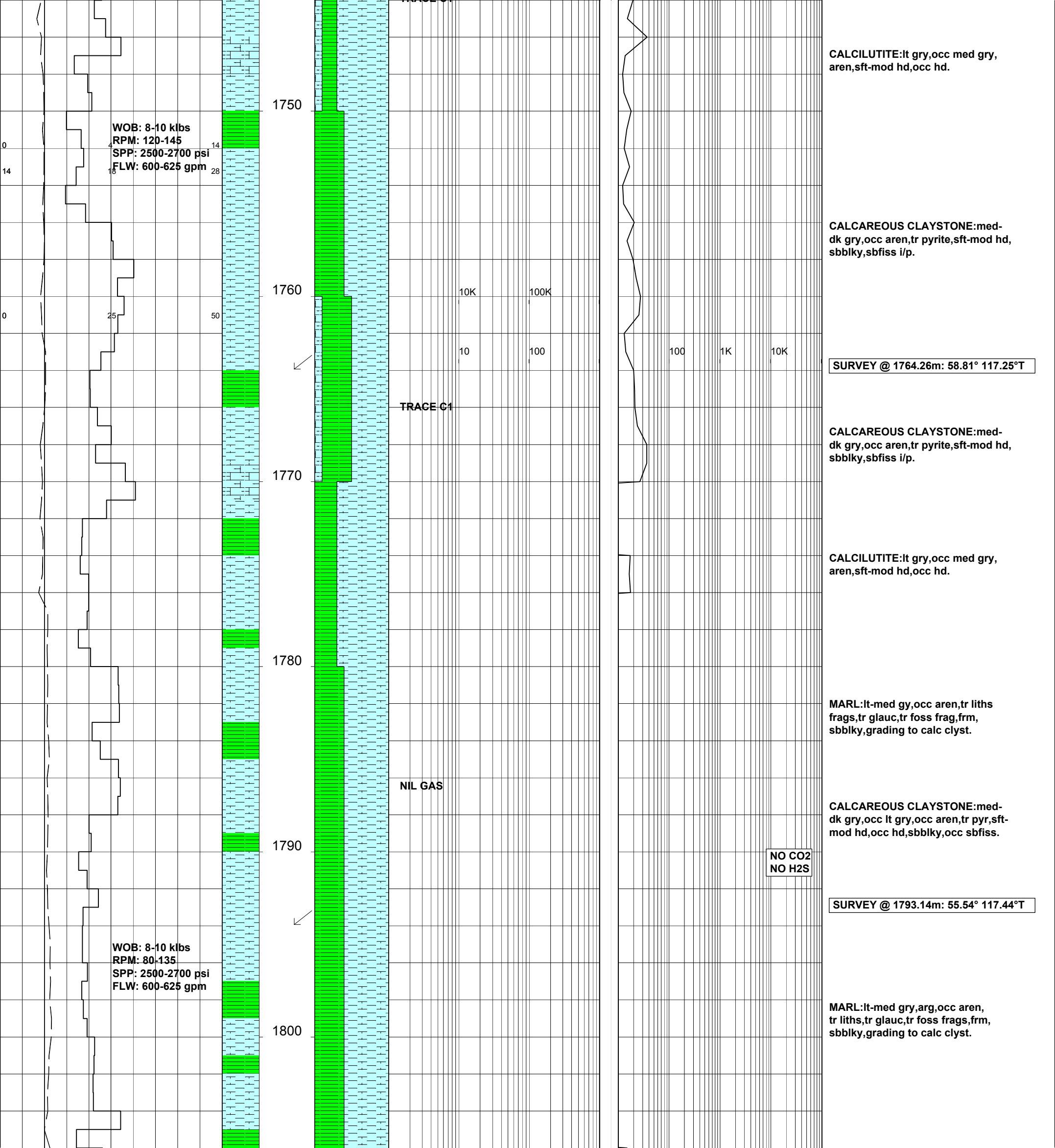
MARL:lt-med gry,occ dk gry,arg,
tr liths,sft,sbblky-amorph.

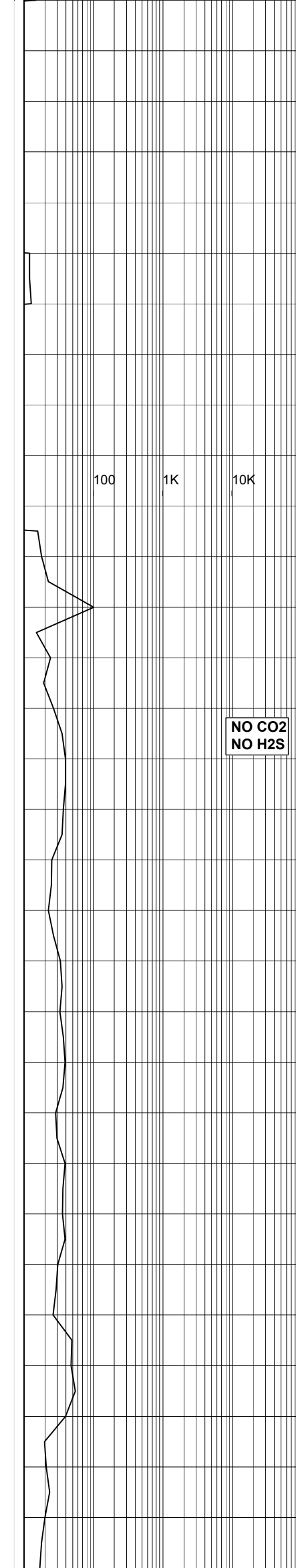
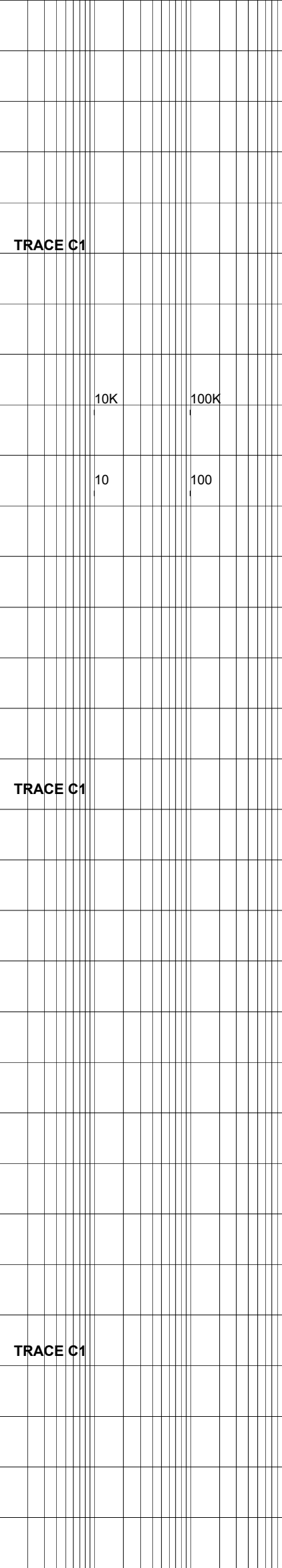
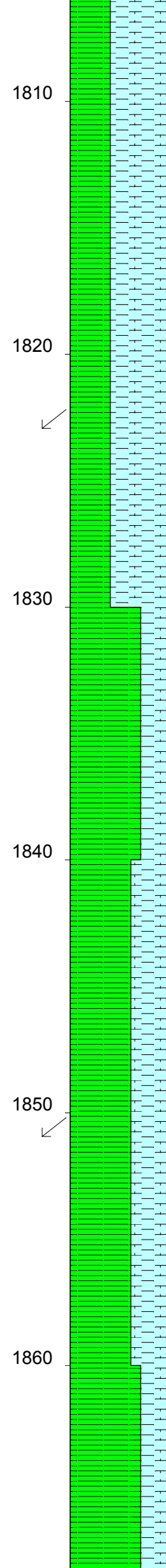
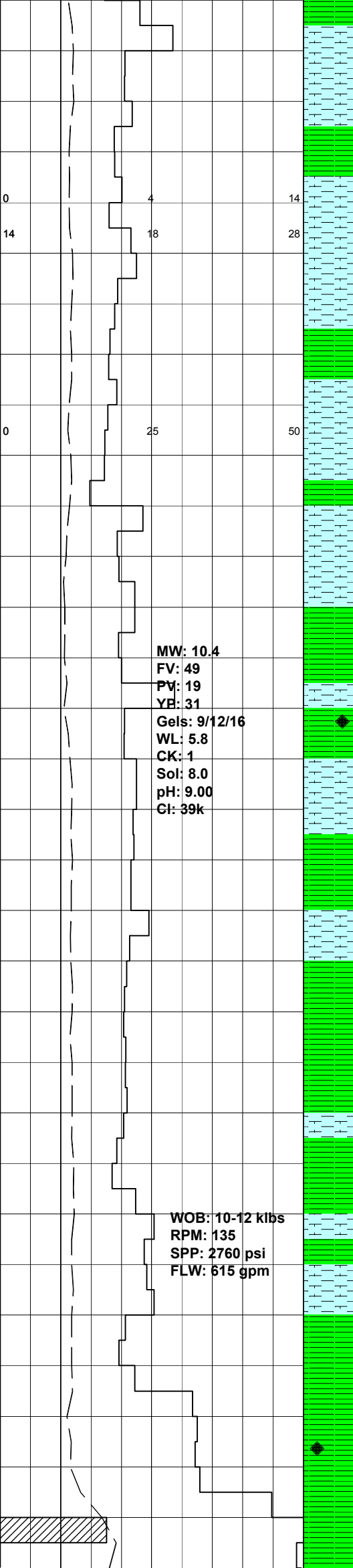
CALCAREOUS CLAYSTONE:med-
dk gry,arg,aren i/p,tr foss frags,sft-
mod hd,sbblky.

SURVEY @ 1677.35m: 67.72° 119.25°T

Bit 9 RR: HYCALOG RSX616
Size: 8.50" Jets: 6x18
In: 1660m Out: 1680m
Run: 20m Hrs: 3.27hrs
Cond: 0-0-NO-xx-X-I-NO-PR







CALCAREOUS CLAYSTONE:med-dk gry,occ lt gy,tr pyr,sbblky,occ sbfiss.

SURVEY @ 1822.11m: 51.89° 116.24°T

Rmf: 0.11 ohm @ 75°F

MARL:med-dk brn/gry,med gry,arg,rr aren i/p,tr dk gry & off wh liths,frm-mod sft,sbblky-sbfiss i/p.

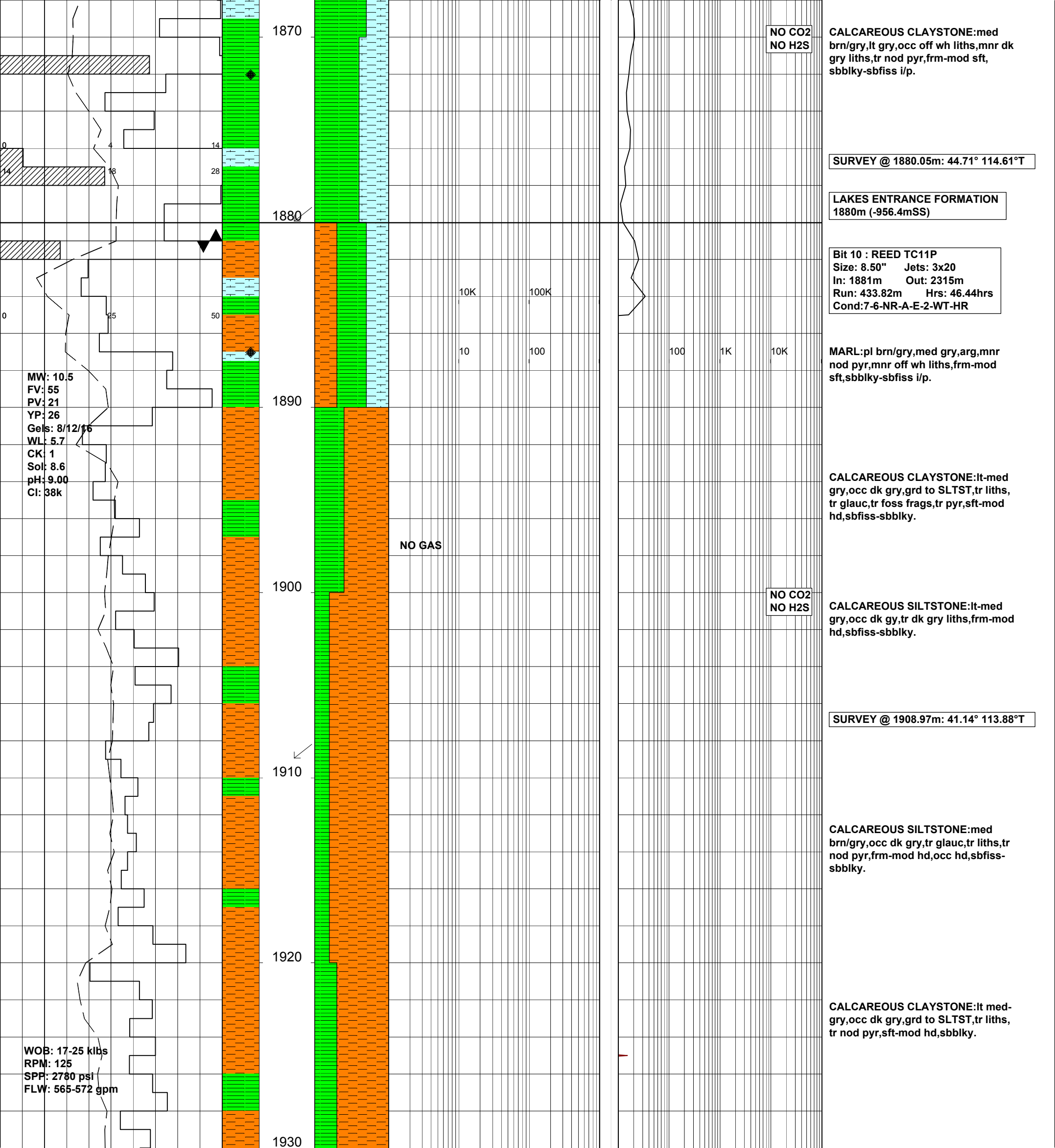
NO CO2
NO H2S

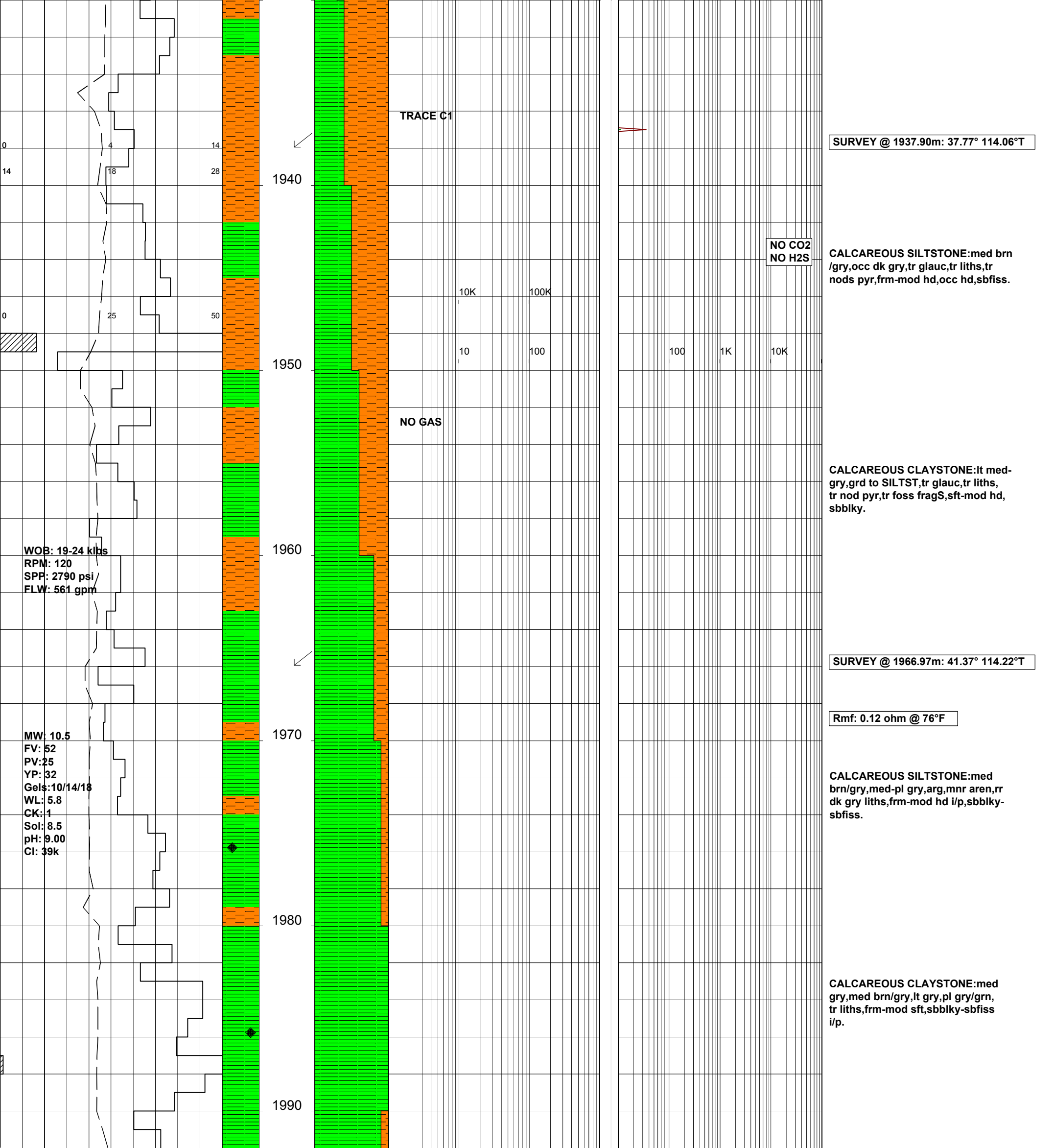
CALCAREOUS CLAYSTONE:pl brn/gry,lt gry,mnr off wh liths,rr foss frags,sft,sbblky-sbfiss.

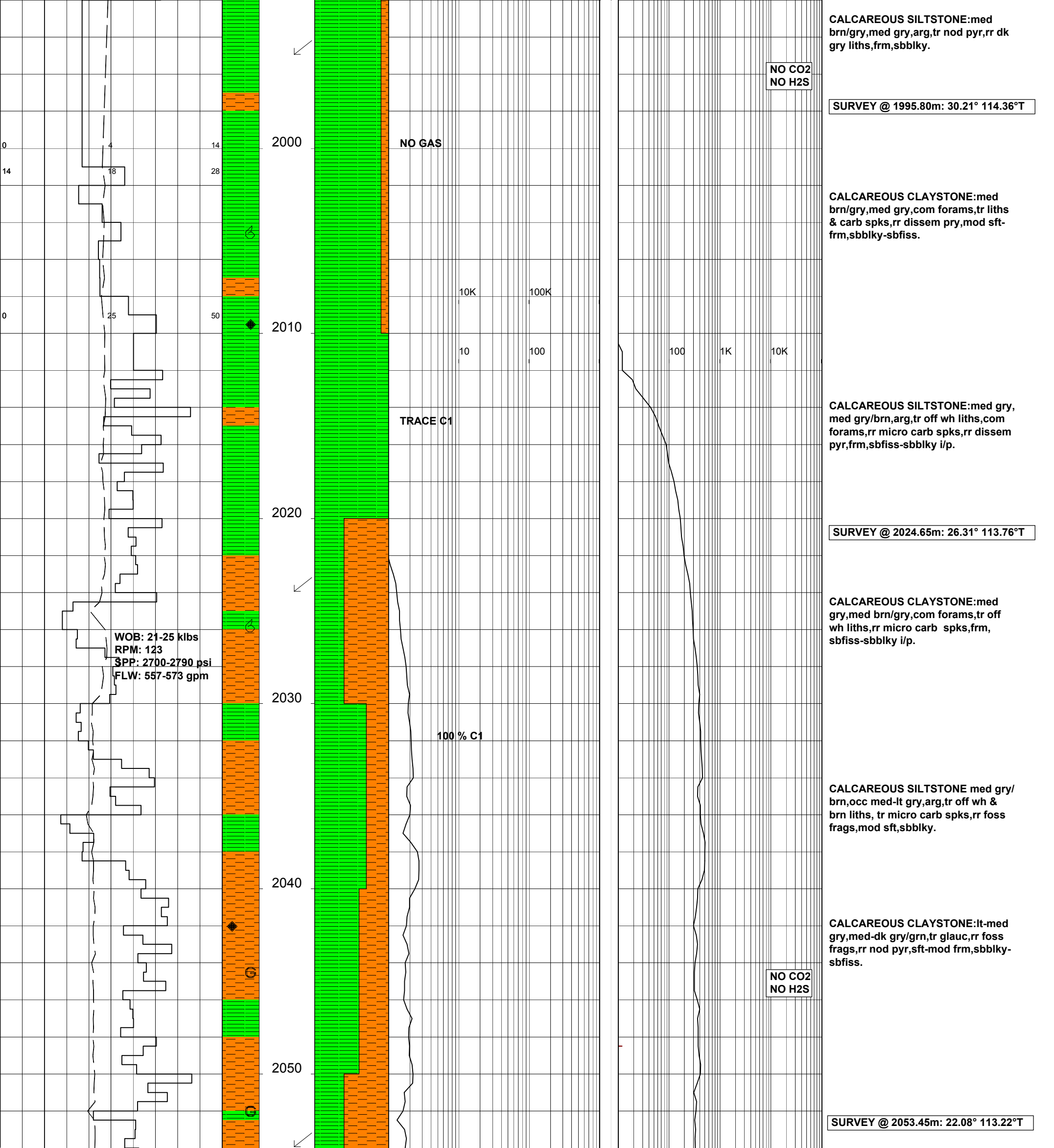
SURVEY @ 1851.05m: 49.98° 115.64°T

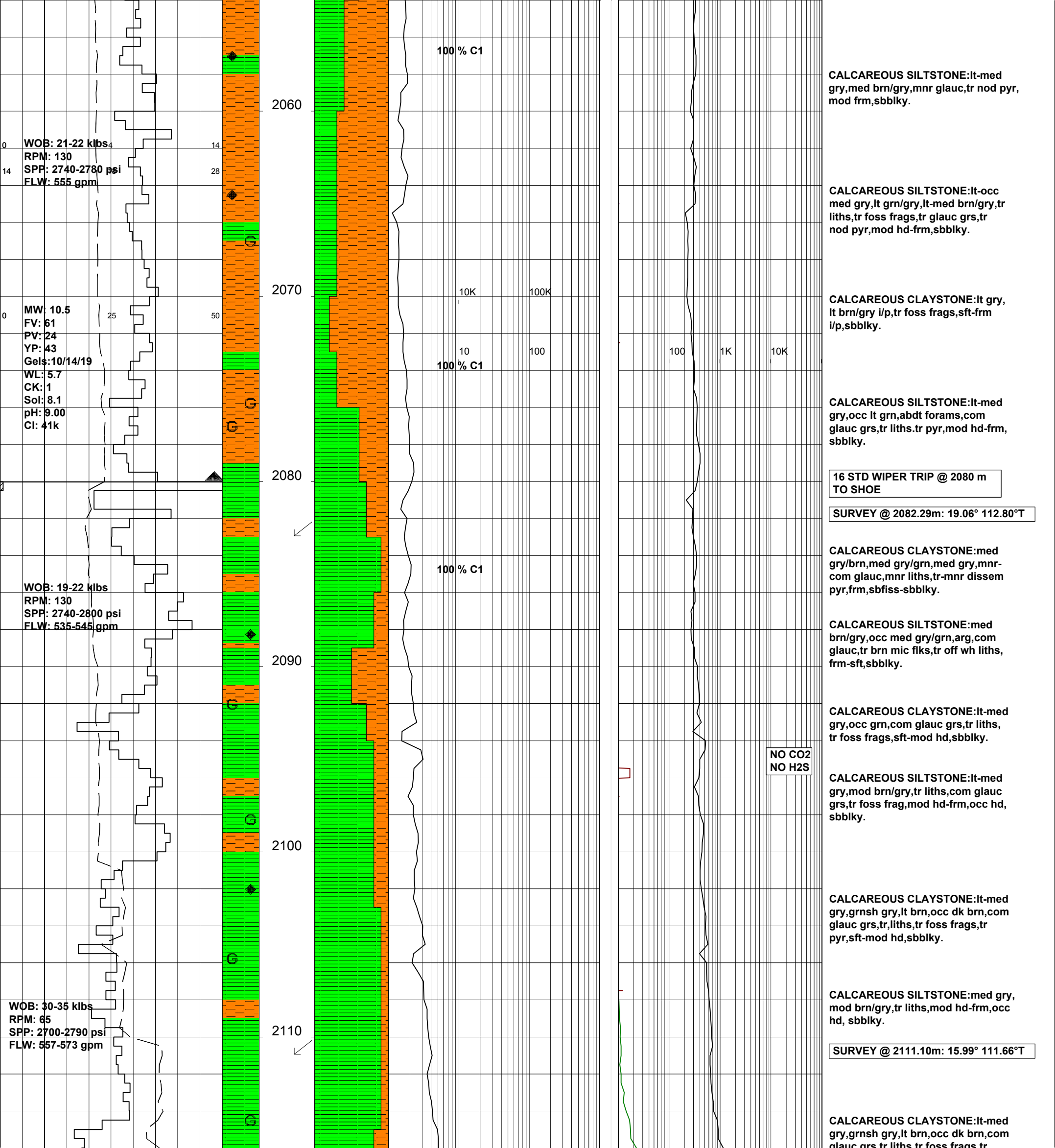
MARL:pl brn/gry,med gry,arg,mnr nod pyr,mnr dk gry & off wh liths,frm-mod sft,sbblky-sbfiss i/p.

Rmf: 0.28 ohm @ 75°F









**SAMPLE CONTAMINATED WITH
BARACARB**

CONTROLLED DRILLING FROM 2126m

2129-2133m: Tr-5% dll brn/yel
ptchy fluor, tr pl yel c/c, thk r/r.
2133-2139m: Tr-rr fluor as above.

SURVEY @ 2139.98m: 13.98° 108.53°T

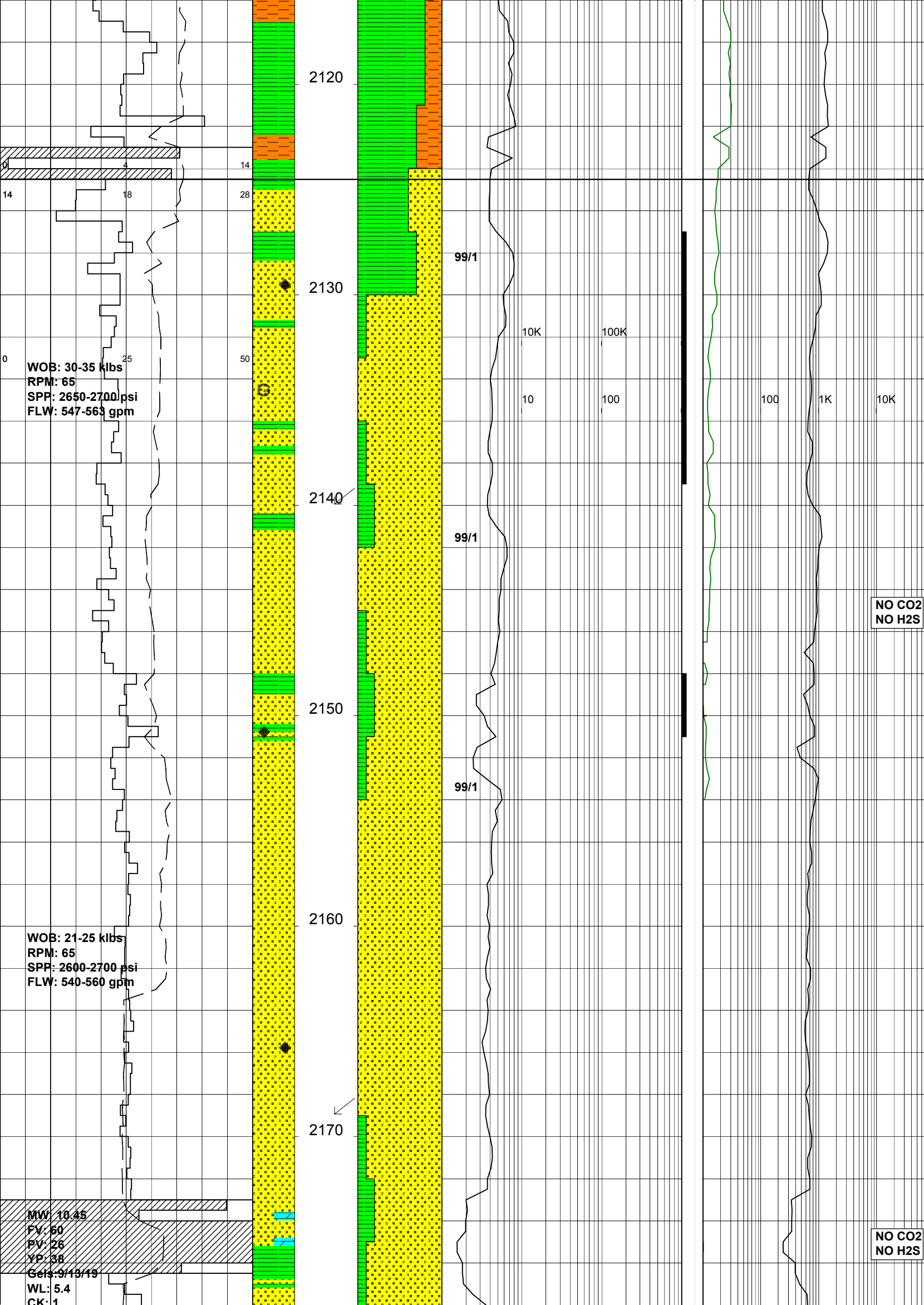
NO CO₂
NO H₂S

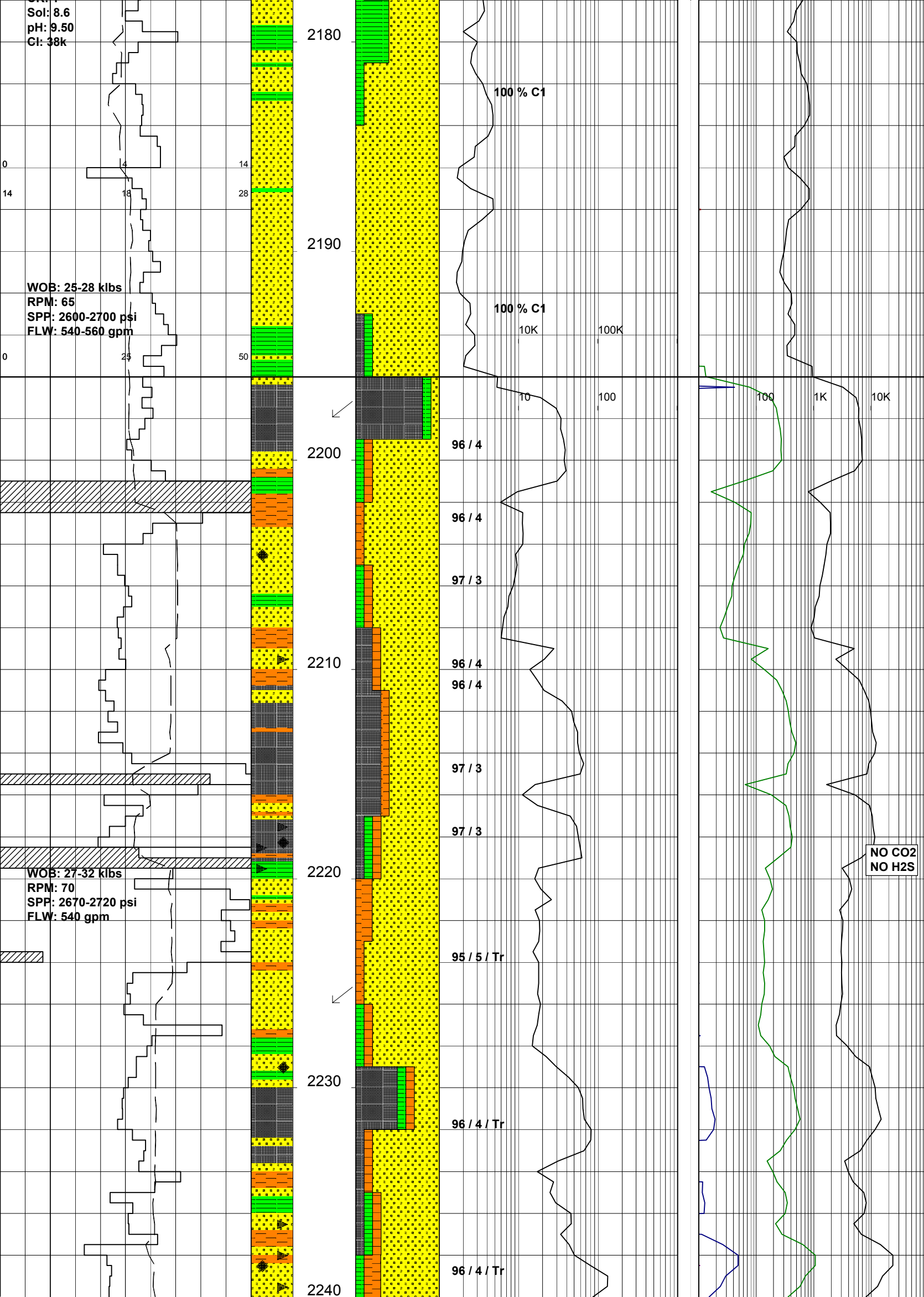
SANDSTONE:clr-trnsl,med-crs,mod
pr srt,sbang,tr-loc com pyr,gen lse
& cln,gd inf por,tr flour.

SANDSTONE:clr-trnsl,med-crs,
mod pr srt,sbang,tr-loc com pyr,gen
lse & cln,gd inf por.

NO CO2
NO H2S

SANDSTONE:clr-trnsl,off wh,lt gry,mnr brn,f-crs,pr srt,sbang-sbrnd i/p,tr-loc com dol cmt,tr pyr,gen lse, com hd aggs,pr vis por,gd inf por, com min fluor only.





CLAYSTONE:lt gry/gry,med brn/gry,
rr micro carb spks & off wh liths,frm,
sbbiky.

SANDSTONE:clr-trnsl,frstd i/p,f-
v crs,v pr srt,sbrnd-sbang,com ang,
lse,fr-gd inf por,no fluor.

Rmf: 0.15 ohm @ 75°F

SURVEY @ 2197.64m: 6.92° 99.24°T

LATROBE N. ASPERUS:
2196mMD (-1238mSS)

COAL:dk brn,v dk brn-blk,dll,mnr
sbvit i/p,slty,frm-mod hd i/p,sbfiss-
sbbiky,hckly-evn i/p.
SILTSTONE:med brn,brn/gry,arg,wk
calc,tr aren,com off wh liths,occ
carb spks,mnr micmic,frm,sbbiky.
SANDSTONE:clr-trnsl,frstd,f-med,
com v crs,mod pr srt,occ pyr,lse,fr-
gd inf por,no fluor.

CLAYSTONE:lt-med gry/grn,lt-med
gry/brn,mnr glauc & off wh liths,frm,
sbbiky-sbfiss.

SANDSTONE:clr-trnsl,lt gry,frstd,
f-crs,occ v crs,pr srt,sbang-sbrnd,
occ ang,occ mod strg sil & mnr mod
wk calc cmt i/p,rr lt gry arg mtx i/p,
pred lse,mnr mod hd aggs,pr-v pr vis
por,fr-gd inf por,no fluor.

COAL:dk brn,v dk brn-blk,dll-ea,
slty,frm,sbbiky-sbfiss i/p,hckly-evn
i/p.

SANDSTONE:clr-trnsl,frstd,lt gry-
trnsl,f-crs,occ v crs,pr srt,com mod
strg sil cmt,rr wh arg mtx i/p,mnr
liths,occ nod pyr,pred lse,mnr mod
hd-fri aggs,pr-v pr vis por,fr-gd inf
por,no fluor.

SILTSTONE:med brn,gry/brn,arg,wk
calc,aren,com off wh liths,com carb
spks i/p,frm-mod hd,sbbiky-sbfiss.

SURVEY @ 2226.47m: 3.33° 92.87°T

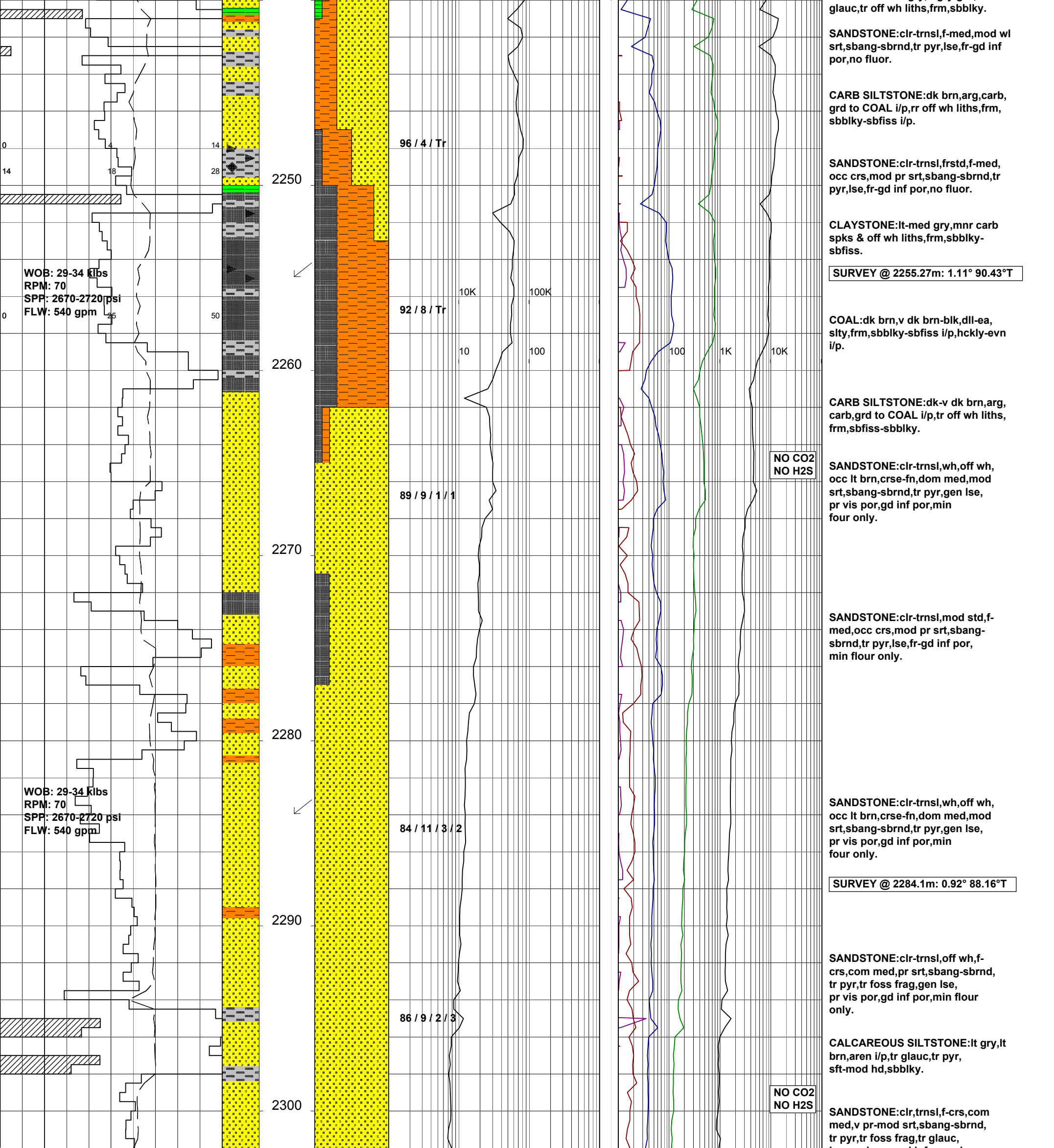
CLAYSTONE:lt-med gry,lt gry/grn,
mnr glauc,tr micmic,frm-mod hd,
sbbiky-sbfiss.

COAL:v dk brn-blk i/p,dll-ea,slty,
grd to carb SLTST i/p,frm,sbbiky-
sbfiss,hckly-evn.

SANDSTONE:clr-trnsl,frstd i/p,f-crs,
sbang-ang,occ sbrnd,tr carb spks,
lse,fr-gd inf por,no fluor.

SILTSTONE:med brn,tn,arg,aren i/p,
wk calc,occ carb spks & miclams,
occ offwh liths,micmic i/p,frm-
mod hd,sbbiky-sbfiss.

CLAYSTONE:lt gry,lt gry/grn,mnr



CALCAREOUS SILTSTONE:lt brn-dk brn,lt gy,aren i/p,tr glauc,sft-mod hd,occ hd,sbbly.

**GALLOWAY 1 REACHED TD AT
15:30 HRS ON 20-08-2006.**

**MWD LOGS RUN:
GR-RES-DENSITY-NEUTRON-
SURVEYS
GEOTAP PRESSURES
ACQUIRED @ TD.**