



ROP (min/m)		LITHOLOGY	DEPTH (m)	CUTTINGS (%)	TOTAL GAS (units) (50 units = 1%)	DIR FLUOR.	CHROMATOLOG (ppm)	GEOLOGICAL DESCRIPTION
0 4 14	14 18 28							
WOB (klbs)								
0	25 50		50		10K 100K 10 100		100 1K 10K	
			60					<div>20" Conductor Set @ 60m</div> <div>GALLOWAY 1 SPUDDED AT 04:30 HRS ON 29-07-06</div>
			70					<div>SURVEY @ 68.7m: 0.22° 154.7°T</div>

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 uncons,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

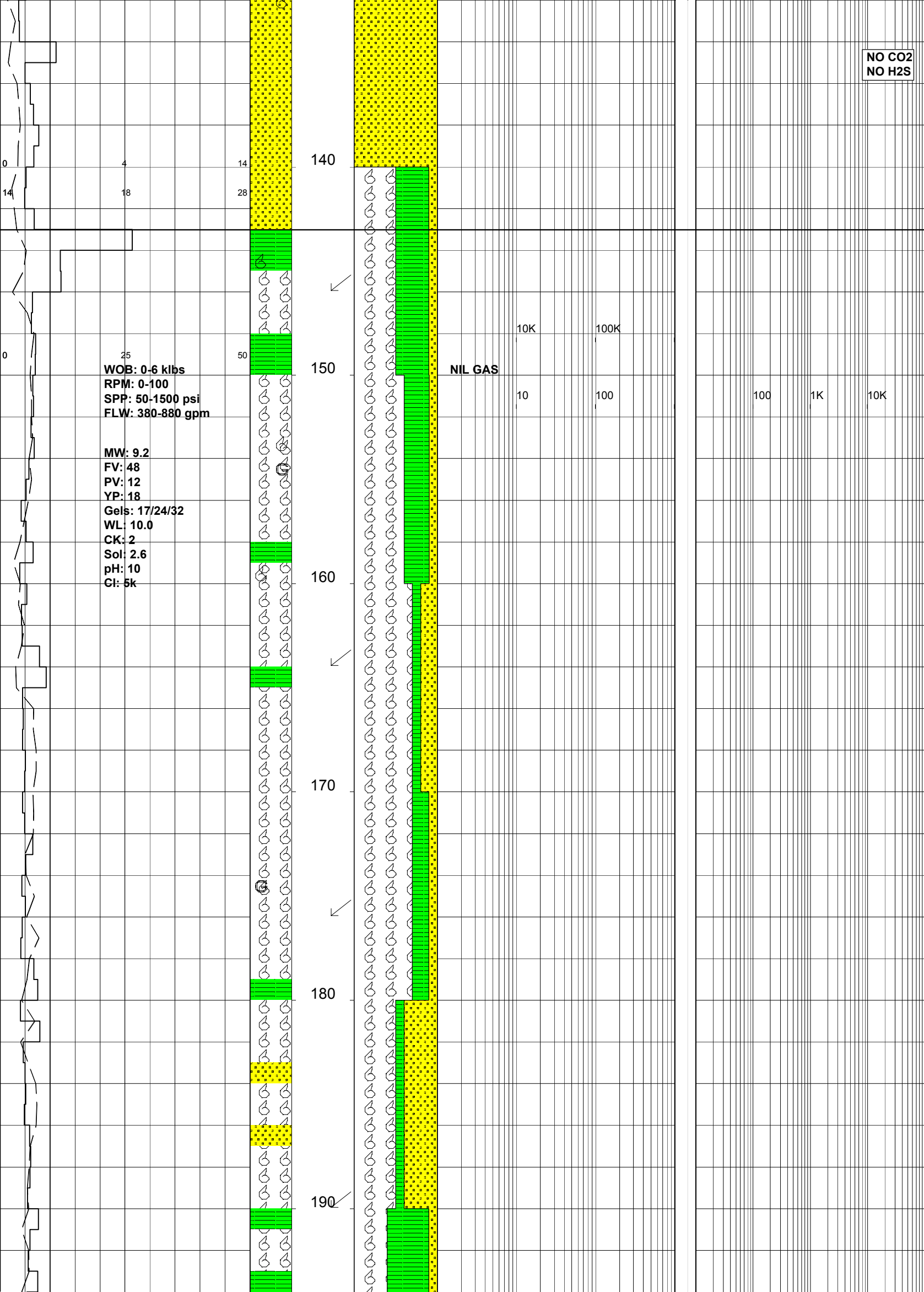
NO CO₂
NO H₂S

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 uncons,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



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

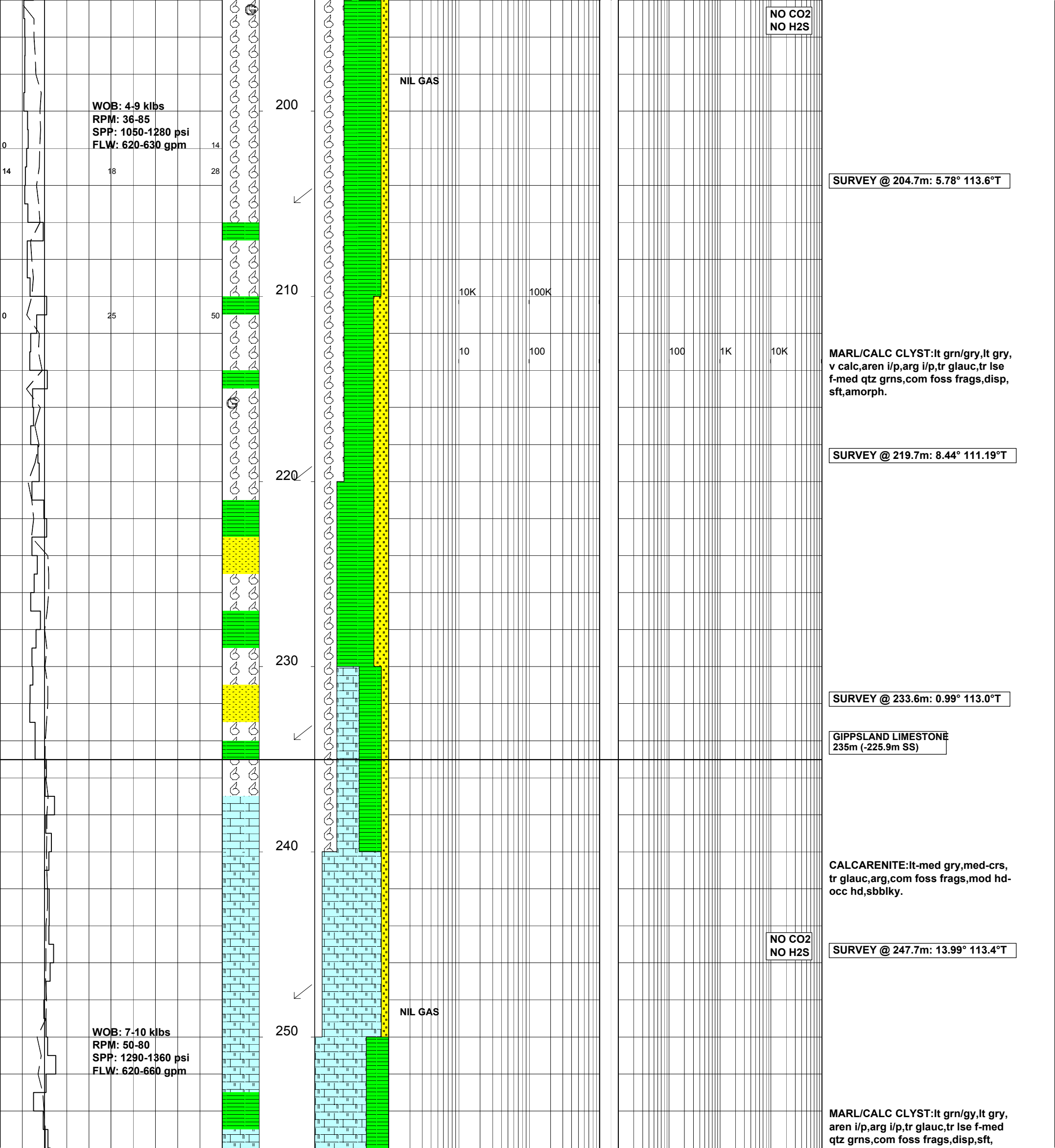
COQUINA:off wh-pl yel-brn,crm,
abdt lse foss frags,occ casts of
Marl/Calc Clyst,bi-valves,echn
spines,bryozoa,sponge,turritella
frags.

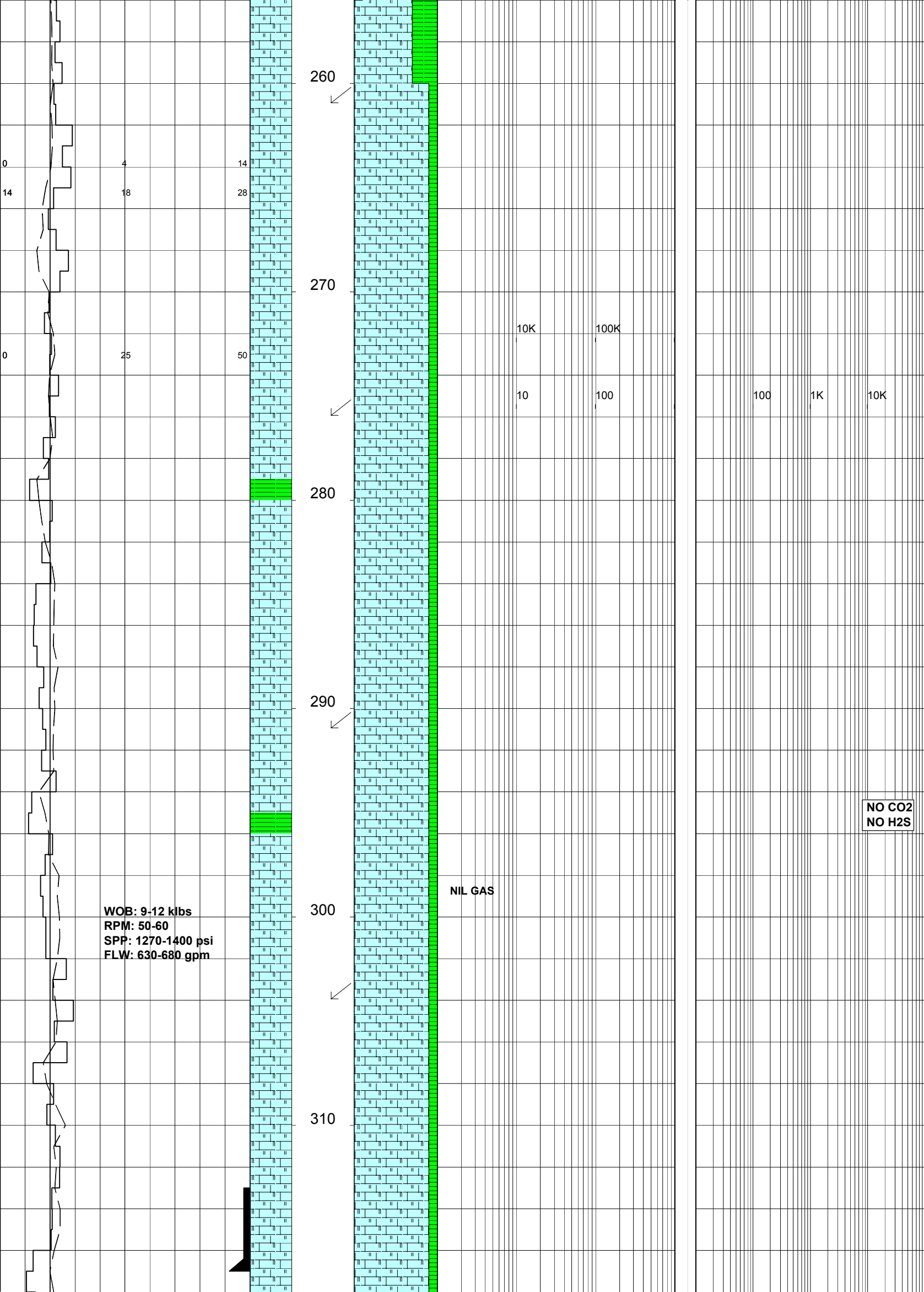
CALCAREOUS CLAYSTONE:lt-med gy,occ
dk gy,aren i/p,tr glauc,sft-mod hd,
sbblky

SURVEY @ 175.9m: 2.70° 134.3°T

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

SURVEY @ 190.2m: 4.40° 115.2°T





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

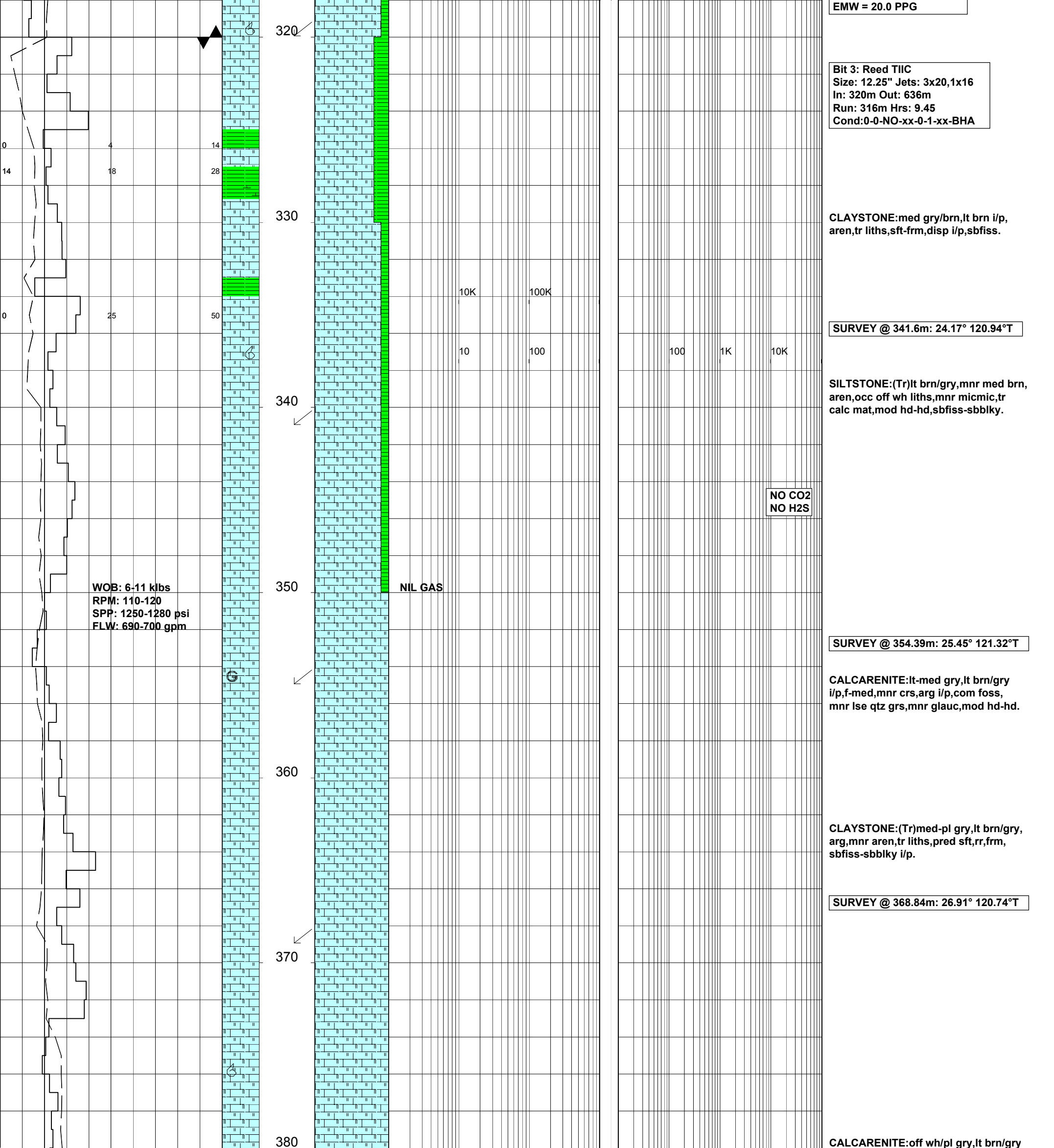
SURVEY @ 303.7m: 23.23° 118.7°T

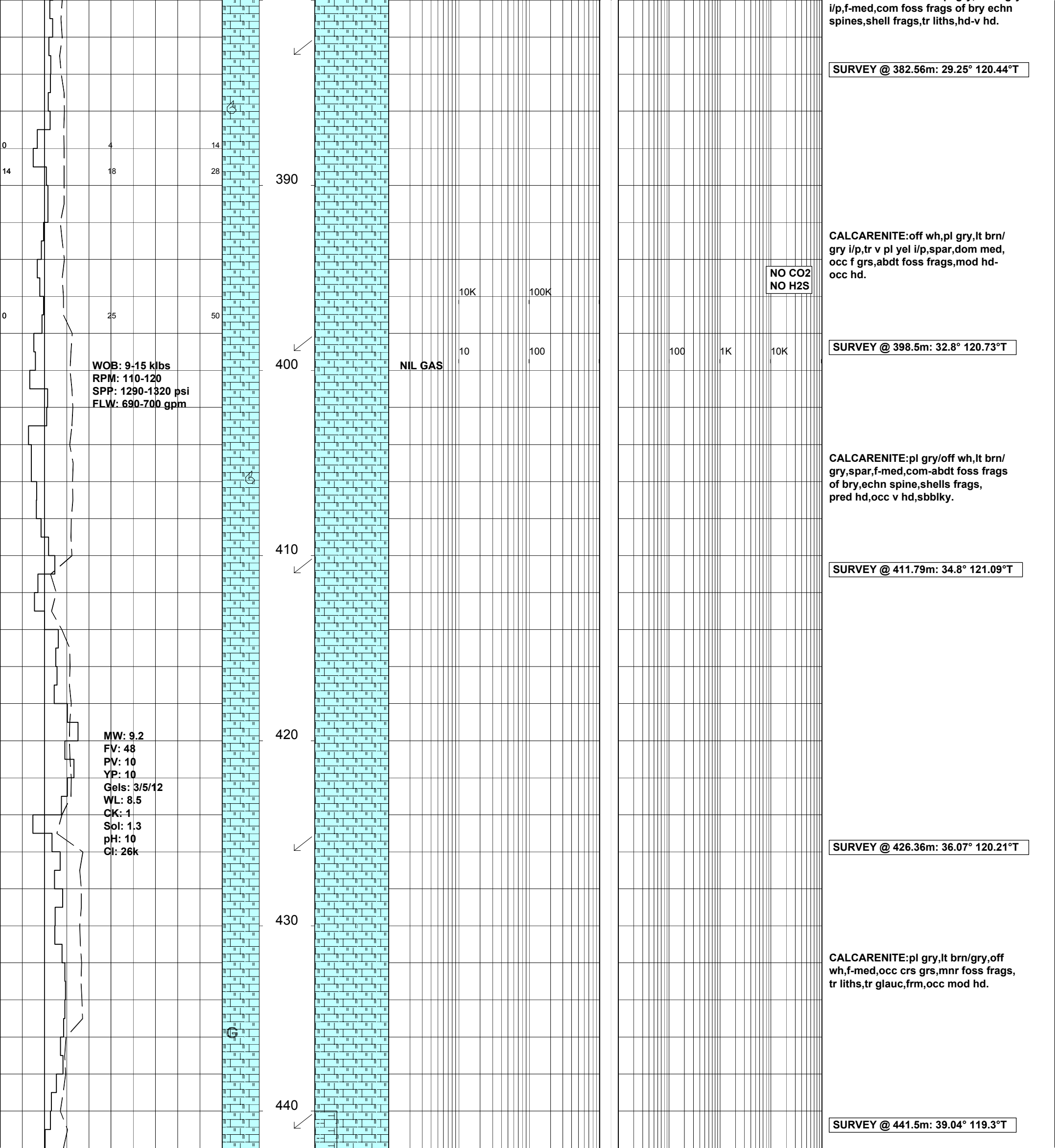
**CALCARENITE:lt-med gry,lt-med brn,
dom med,mnr crs,sil arg,com foss
frags,tr dk gry liths,tr glauc,loc
calcite cmt, occ lse clr qtz grs,mod
hd-hd,**

13.375" CASING SHOE
SET @ 317m

SURVEY @ 320.0m: 22.4° 120.78°T

LEAK-OFF TEST @ 317m





i/p,f-med,com foss frags of bry echn
spines,shell frags,tr liths,hd-v hd.

SURVEY @ 382.56m: 29.25° 120.44°T

CALCARENITE:off wh,pl gry,lt brn/
gry i/p,tr v pl yel i/p,spar,dom med,
occ f grs,abdt foss frags,mod hd-
occ hd.

NO CO2
NO H2S

SURVEY @ 398.5m: 32.8° 120.73°T

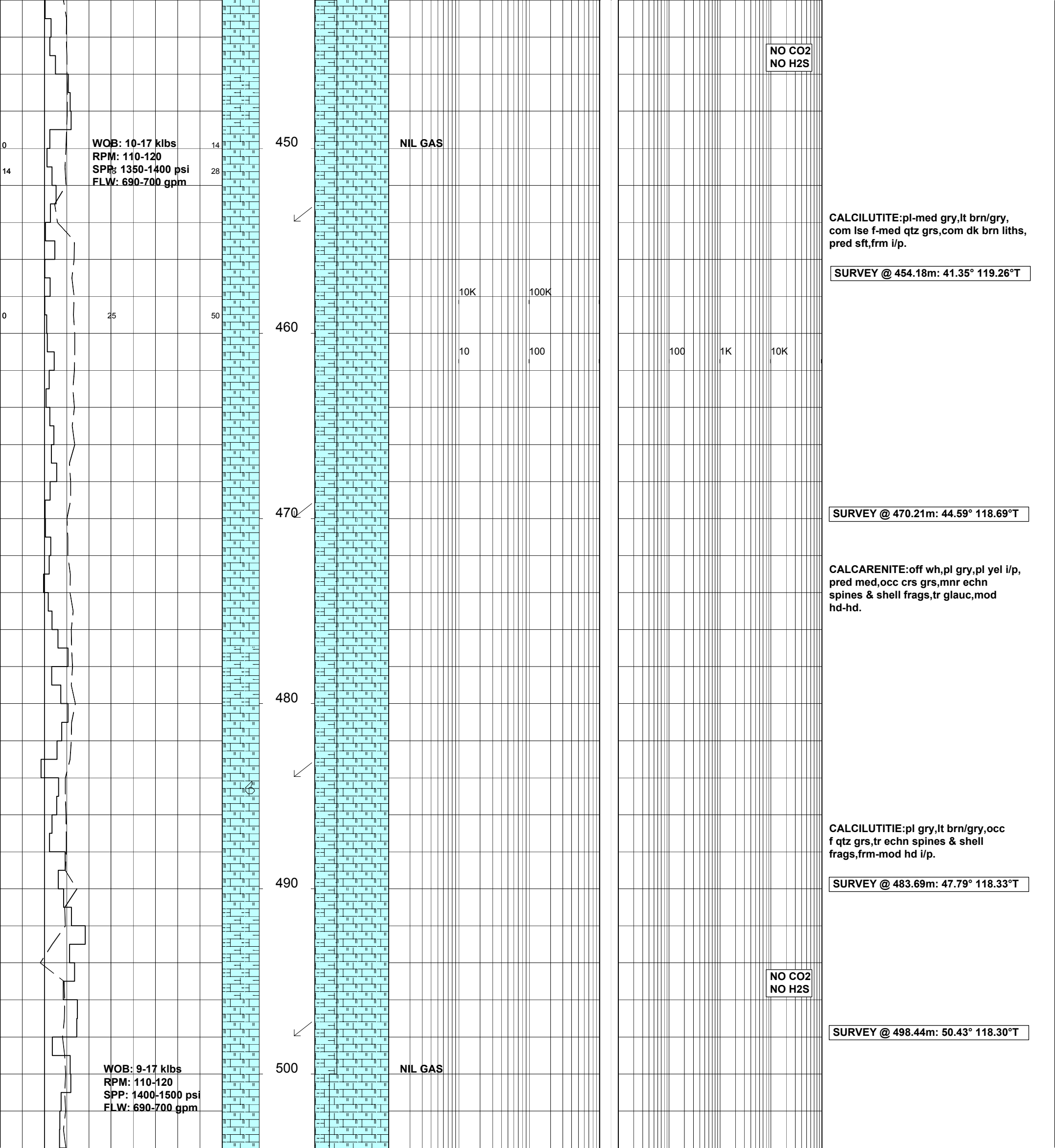
CALCARENITE:pl gry/off wh,lt brn/
gry,spar,f-med,com-abdt foss frags
of bry,echn spine,shells frags,
pred hd,occ v hd,sbblky.

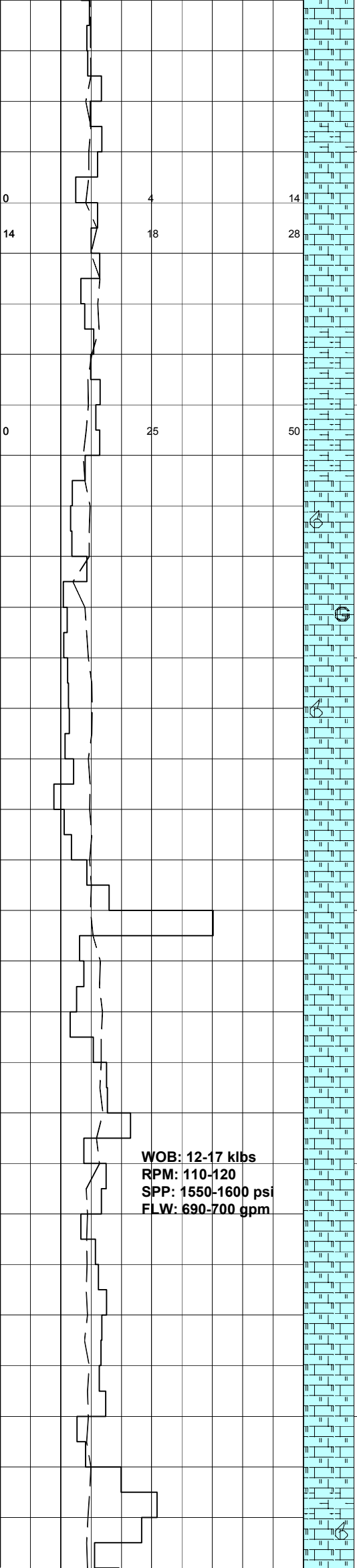
SURVEY @ 411.79m: 34.8° 121.09°T

SURVEY @ 426.36m: 36.07° 120.21°T

CALCARENITE:pl gry,lt brn/gry,off
wh,f-med,occ crs grs,mnr foss frags,
tr liths,tr glauc,frm,occ mod hd.

SURVEY @ 441.5m: 39.04° 119.3°T





510



520

10K

100K

10

100

100

1K

10K

530



540



550

NIL GAS



560

CALCARENITE:off wh/gry,lt brn/gry,
pred f,occ med grs,tr echn spines
& shell frags,frm-mod hd i/p.

SURVEY @ 512.24m: 53.16° 117.92°T

CALCILUTITE:off wh,pl gry/brn,occ
f qtz grs incl,tr dk brn liths,tr glauc,
tr shell frags,pred sft,occ frm.

SURVEY @ 527.62m: 56.02° 117.93°T

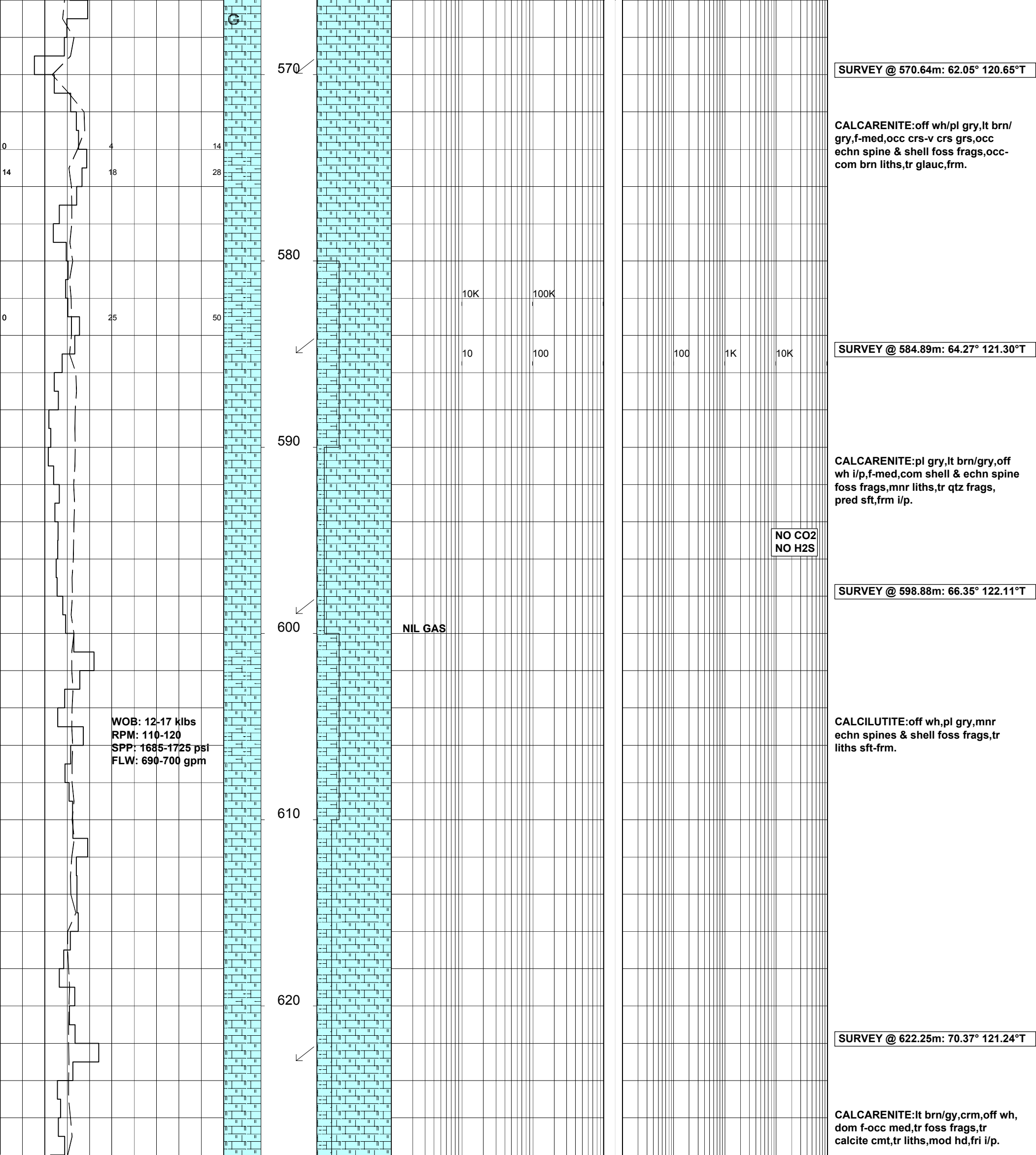
CALCARENITE:pl gry,off wh,pred f,
occ med grs,occ-com foss frags of
shell & echn spine,mnr qtz frags,
tr dk brn liths,tr glauc,sft-frm.

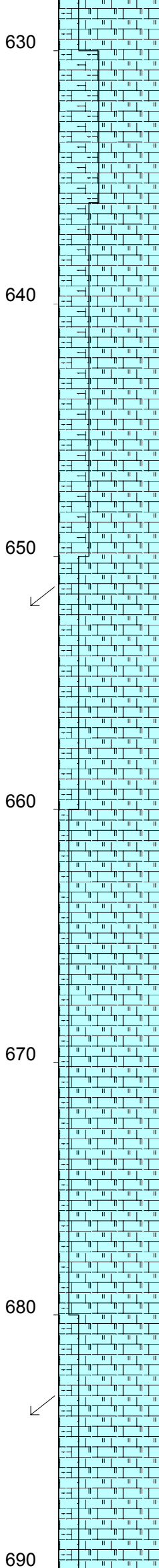
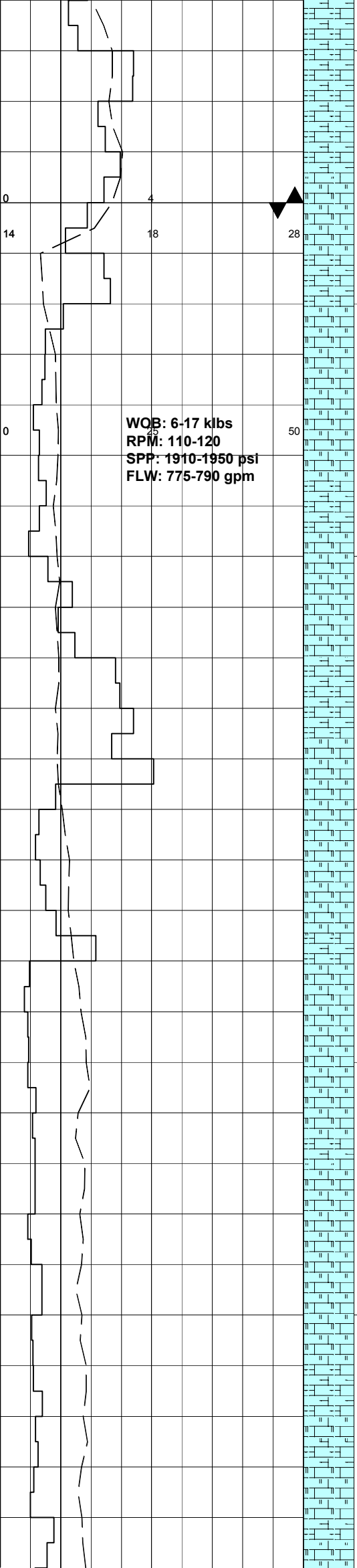
SURVEY @ 541.36m: 58.57° 119.10°T

NO CO2
NO H2S

CALCARENITE:pl gry/lt brn,off wh
i/p,pred f,occ med & crs grs,occ
echn spine foss frags,mnr dk brn
liths,pred sft,mod hd i/p.

SURVEY @ 556.00m: 60.63° 119.75°T





NIL GAS

10K

100K

10

100

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

NO CO2
NO H2S

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

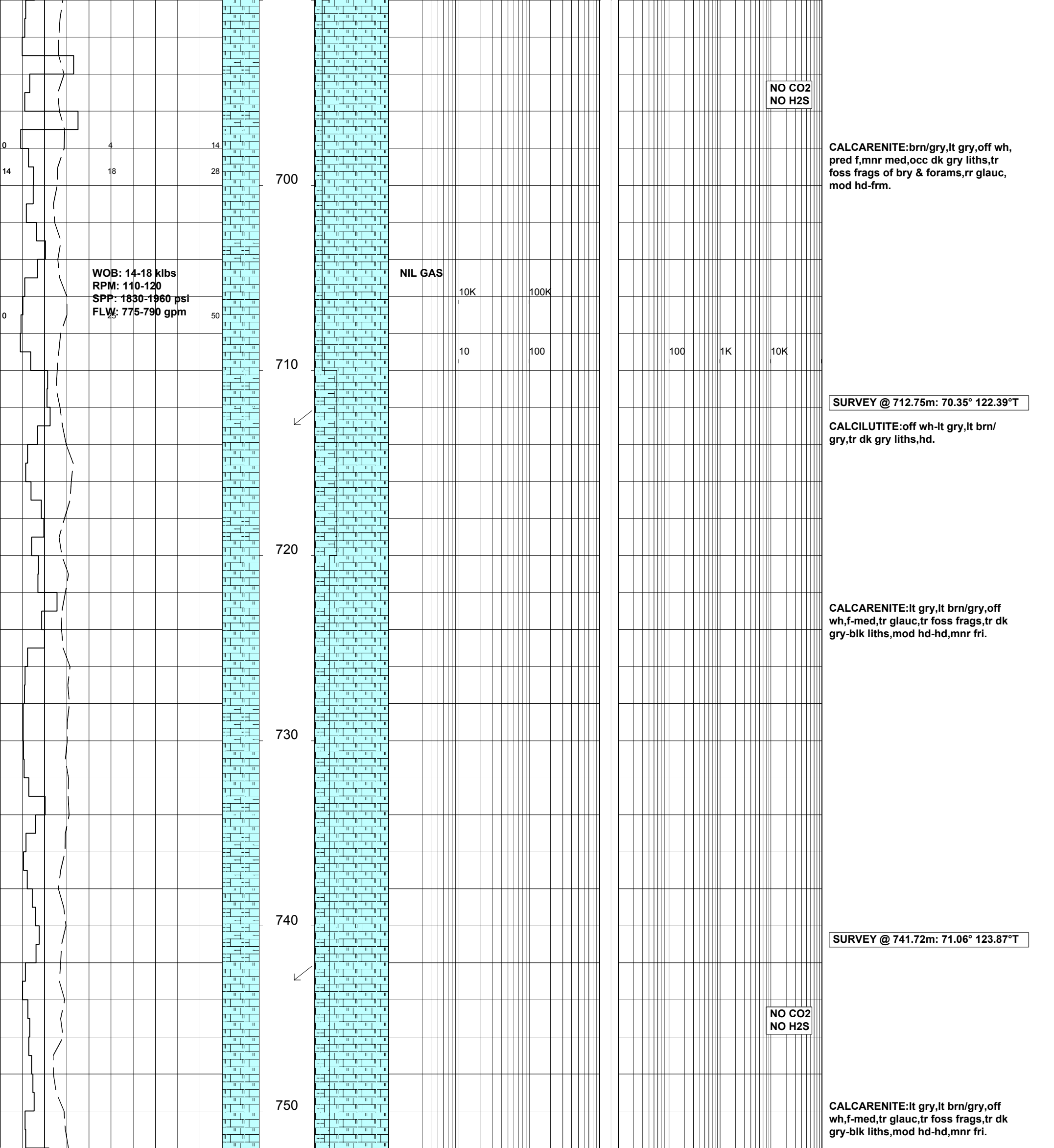
SURVEY @ 654.81m: 71.72° 121.17°T

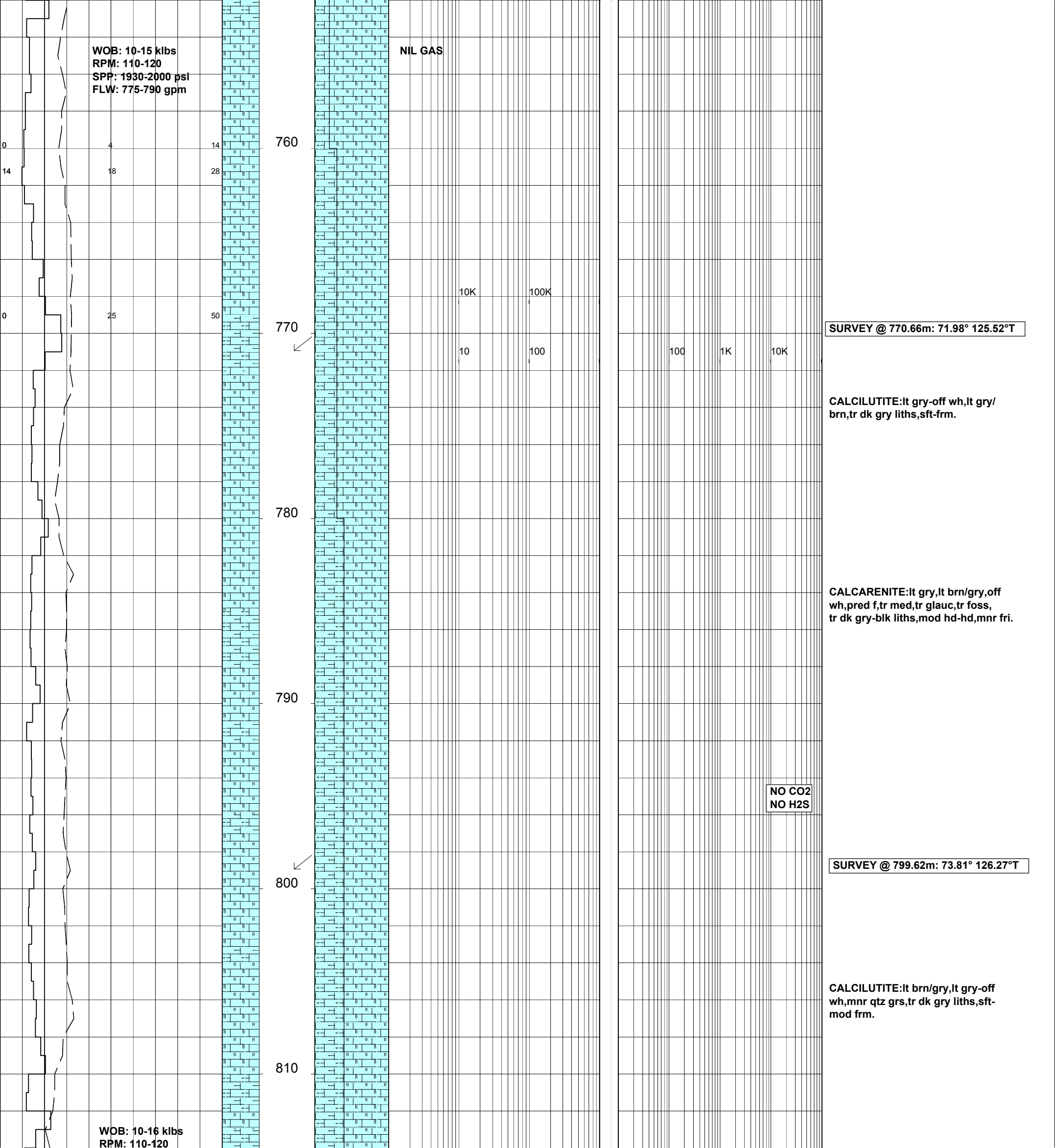
CALCARENITE:lt yel/gry,lt gry,off
wh,lt brn/gry,f-med,occ dk gry liths,
tr foss frags of bry & forams,frm-
mod hd.

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.





SPP: 1930-2060 psi
FLW: 785-790 gpm

0 4 14

14 18 28

0 25 50

WOB: 8-14 klbs
RPM: 110-120
SPP: 2000-2000 psi

[illegible]

850

860

870

NIL GAS

[illegible]

100 1K 10K

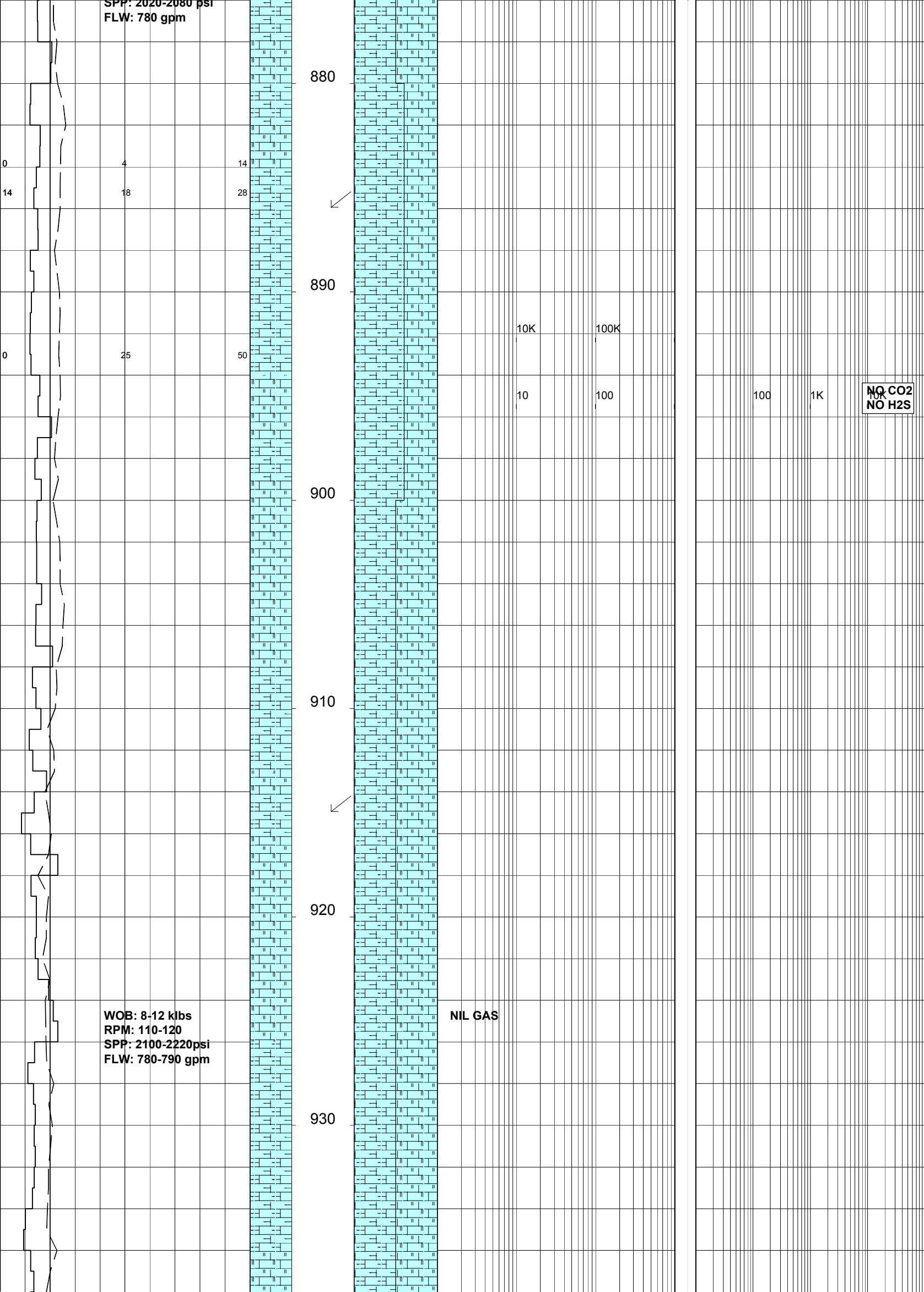
NO CO2
NO H2S

SURVEY @ 828.50m: 73.62° 125.41°T

NO CO2
NO H2S

CALCARENITE:lt gry-off wh,brn/gry,
f,tr dk gry liths,rr glauc,rr foss
frags,mod hd-hd i/p.

[illegible][illegible]



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

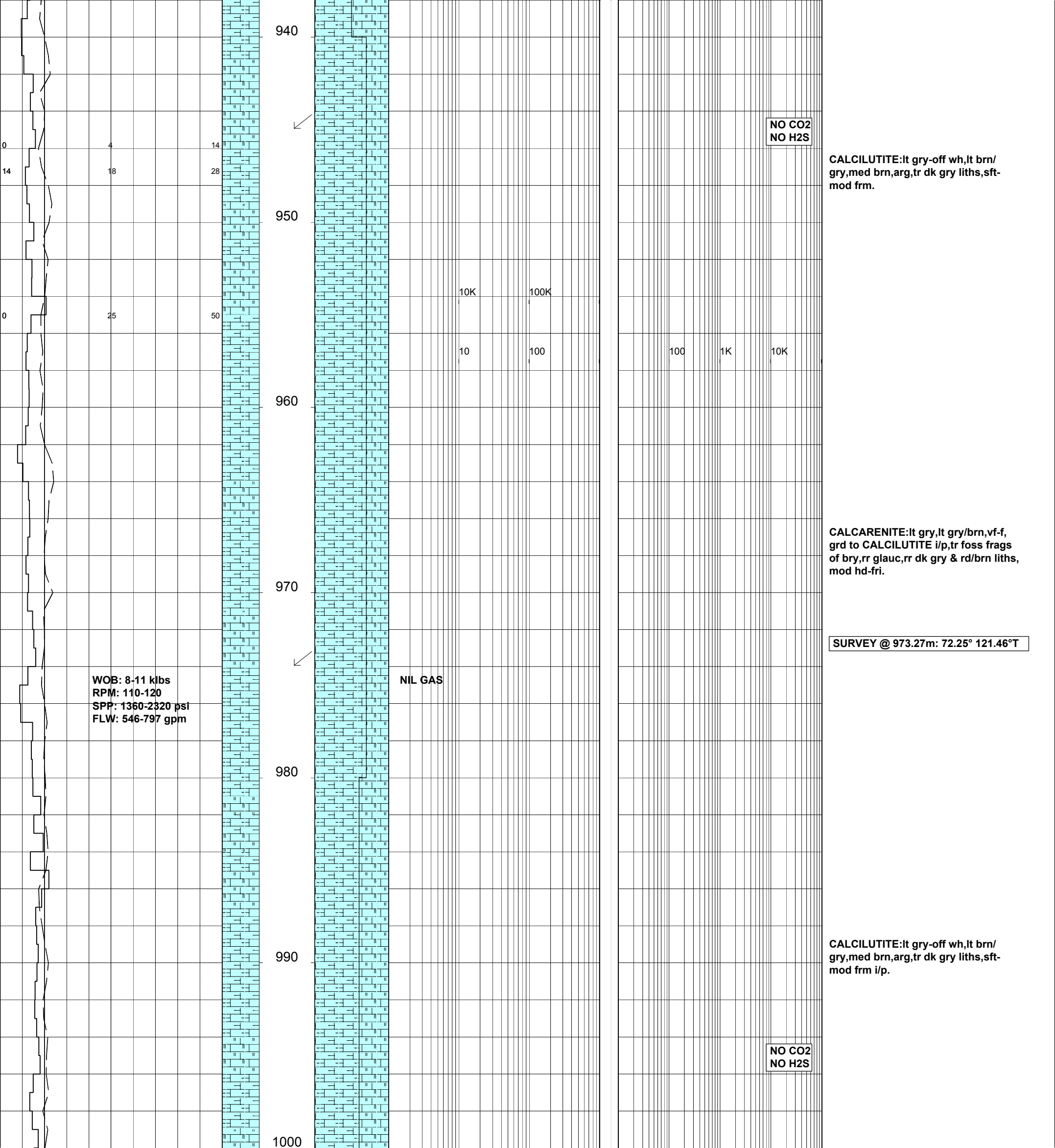
CALCARENITE:lt gry-off wh,lt gry/
brn,f-vf,rr med,tr blk liths,rr glauc,
rr foss frags of bry & echn,mod
hd-hd i/p.

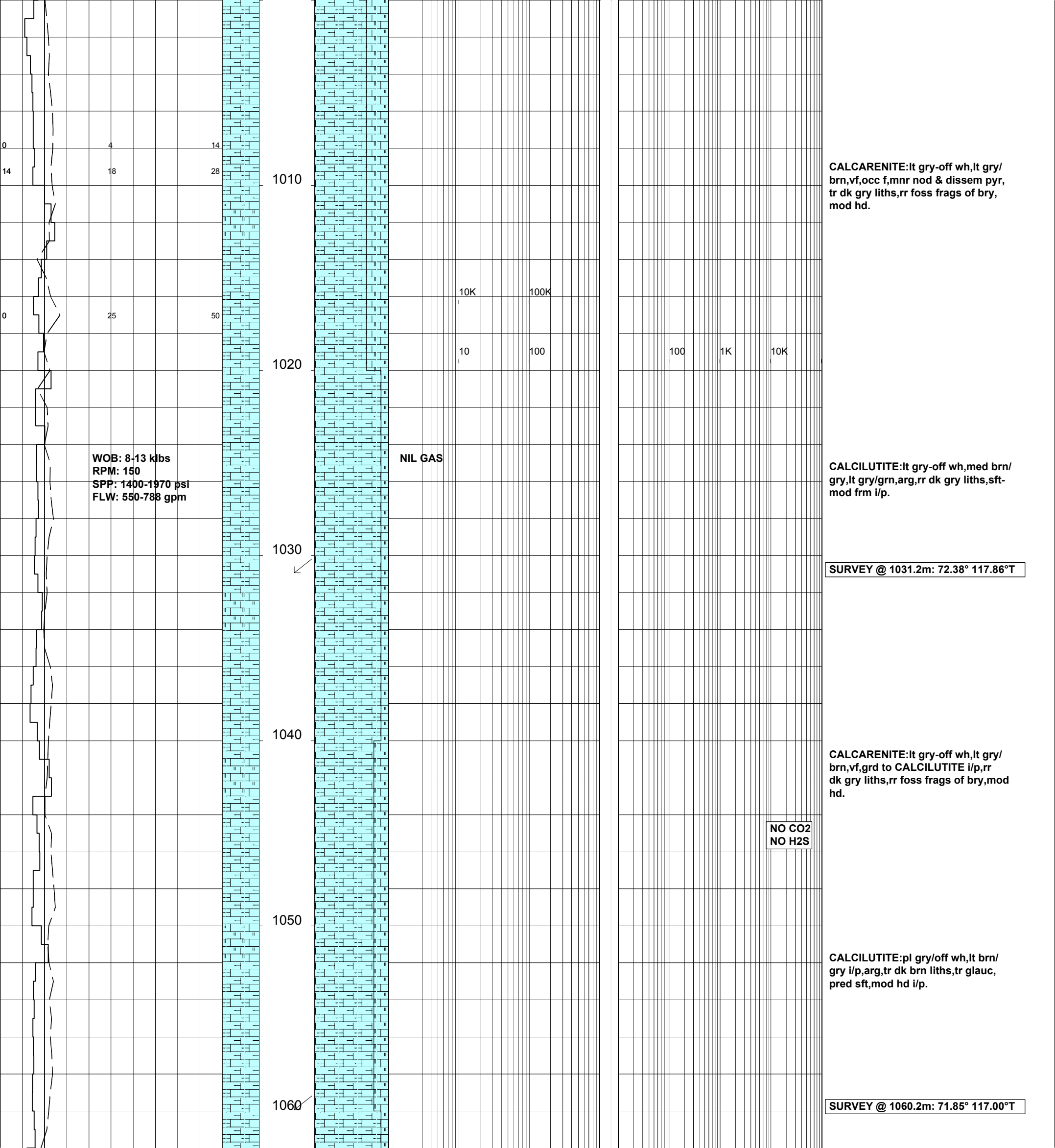
CALCILUTITE:lt gry-off wh,brn/gry,
tr blk liths,rr glauc,arg,mod frm-
sft.

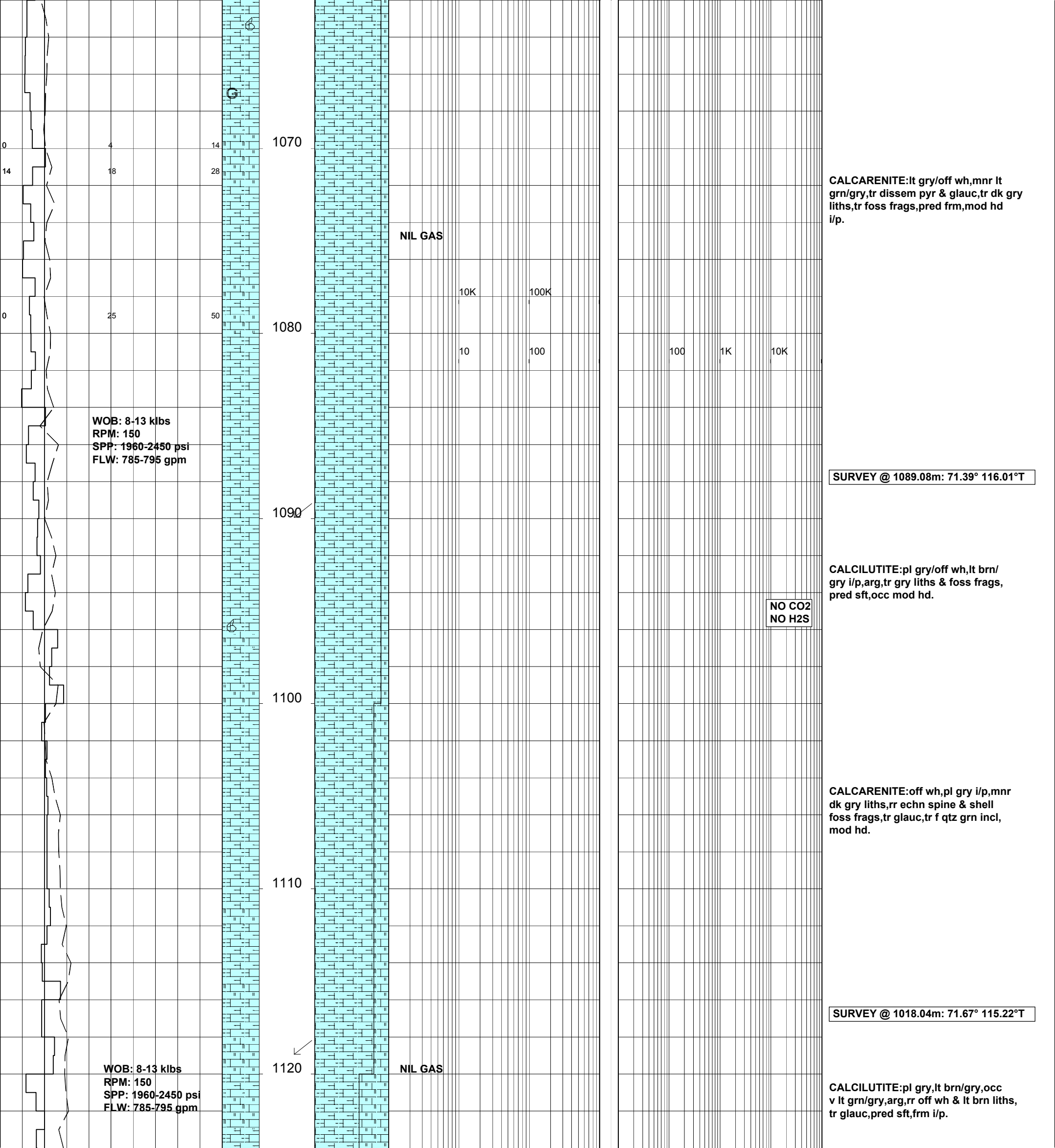
SURVEY @ 915.36m: 70.94° 122.36°T

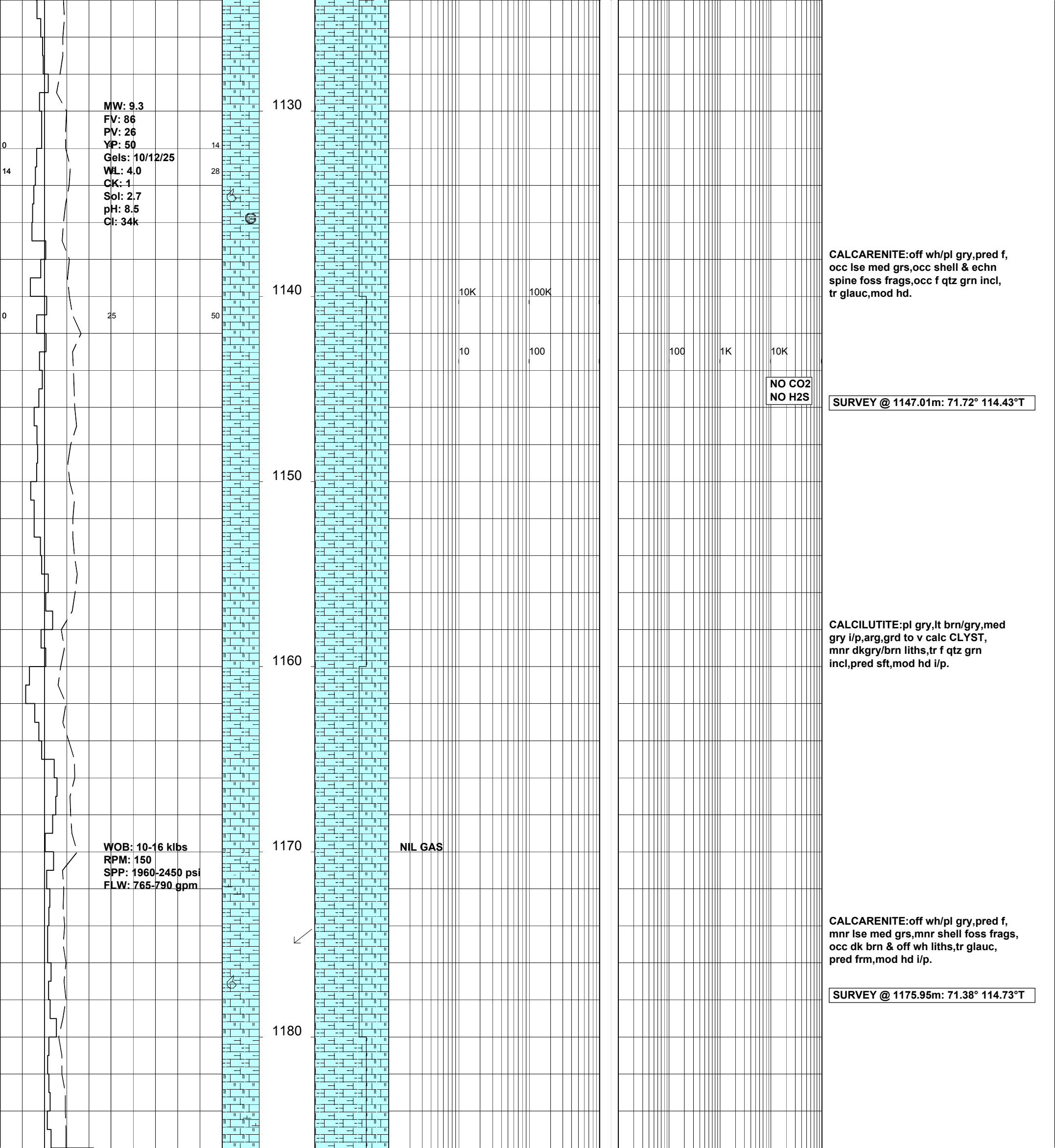
CALCARENITE:lt gry-off wh,lt gry/
brn,vf,occ f,grd to CALCILUTITE i/p,
tr foss frags of bry,rr glauc,rr
liths,mod hd-fri.

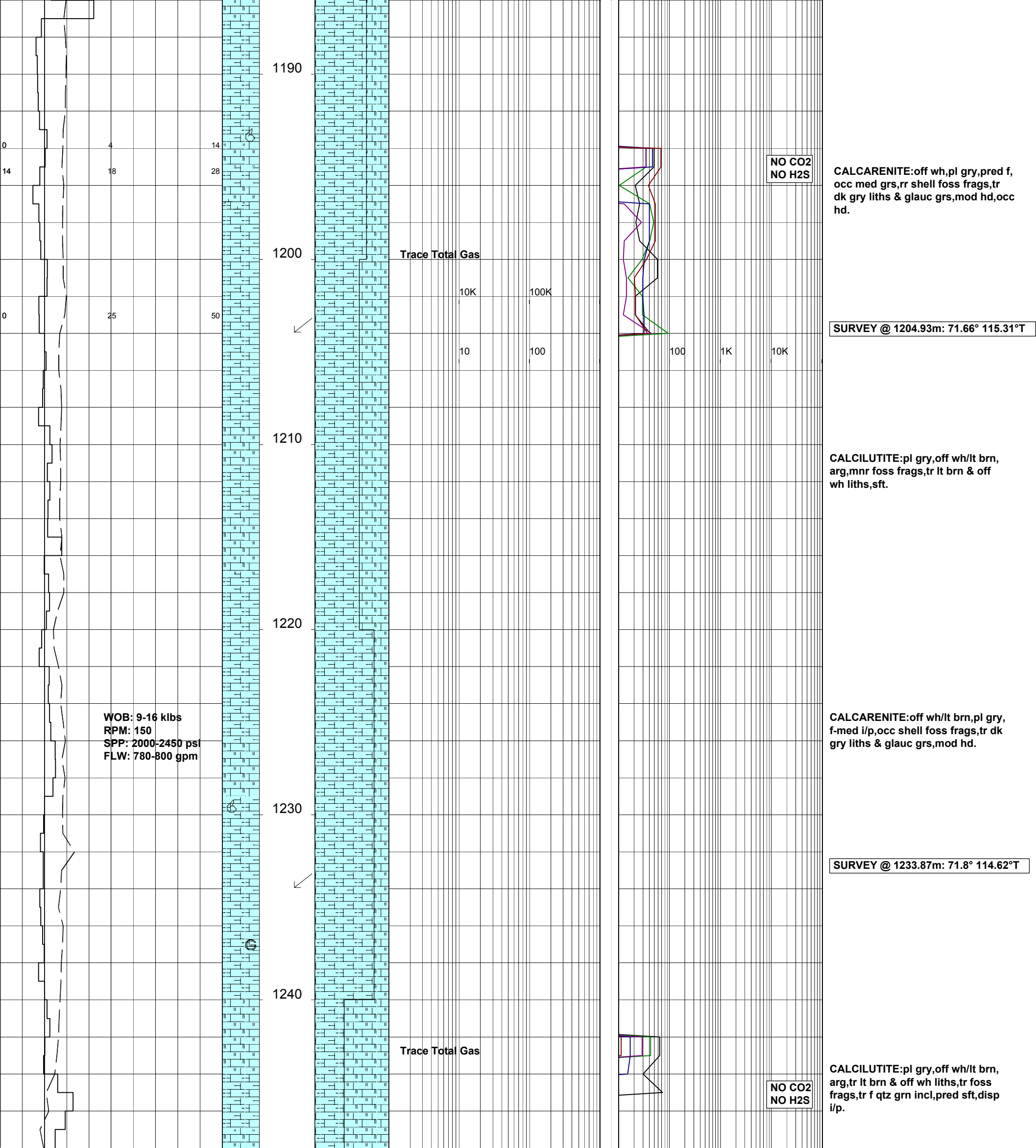
SURVEY @ 944.35m: 71.53° 122.47°T

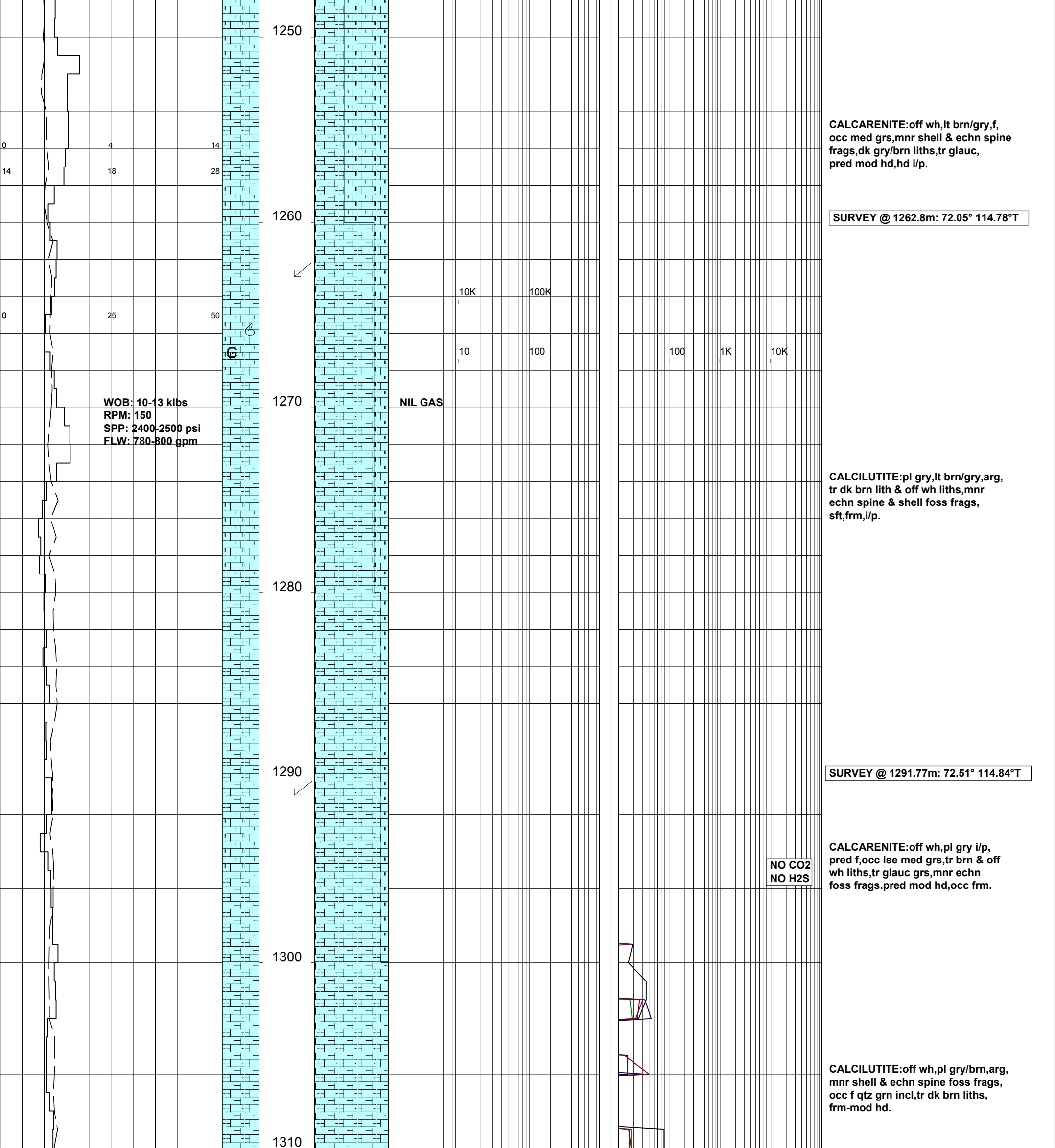


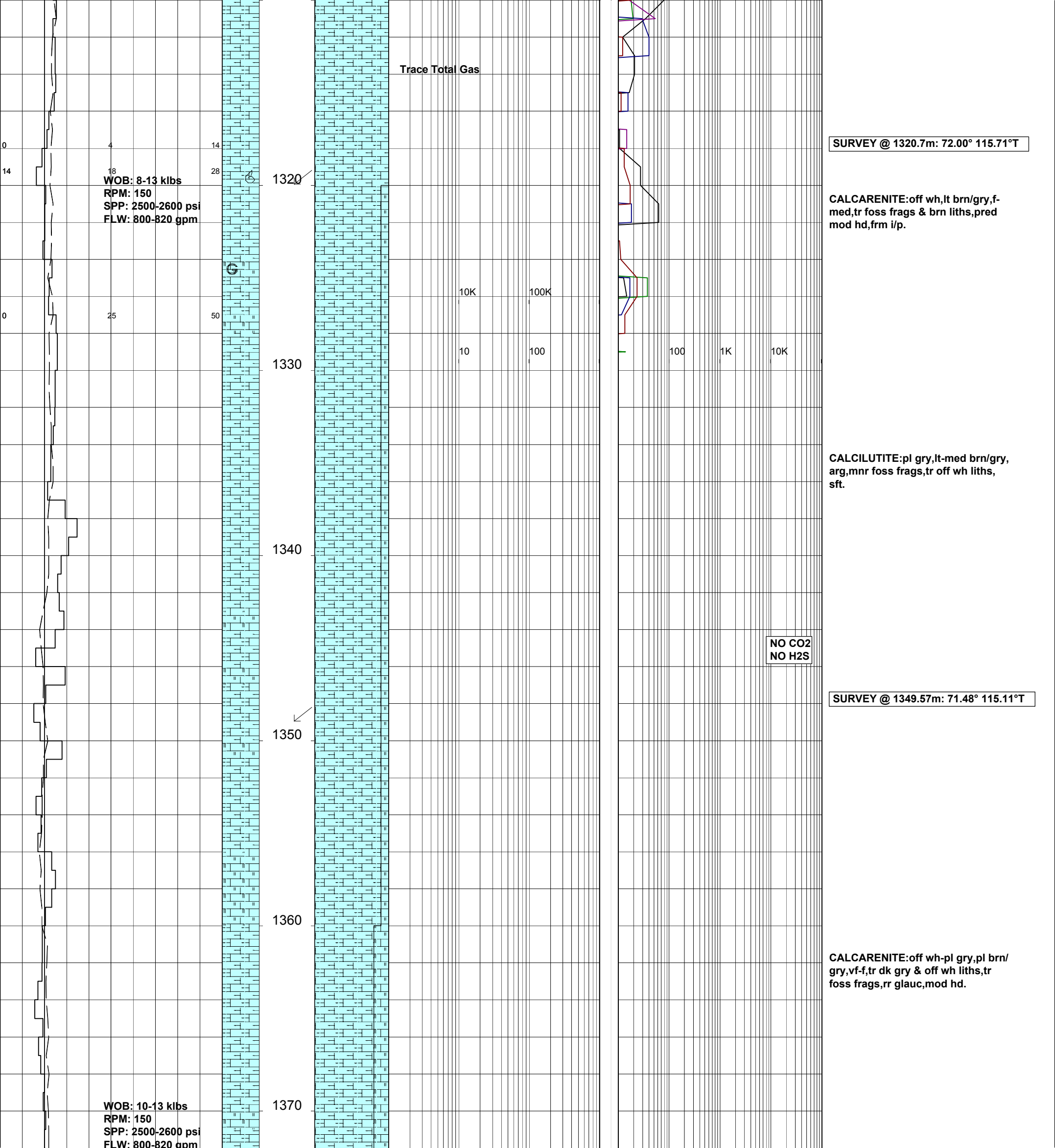


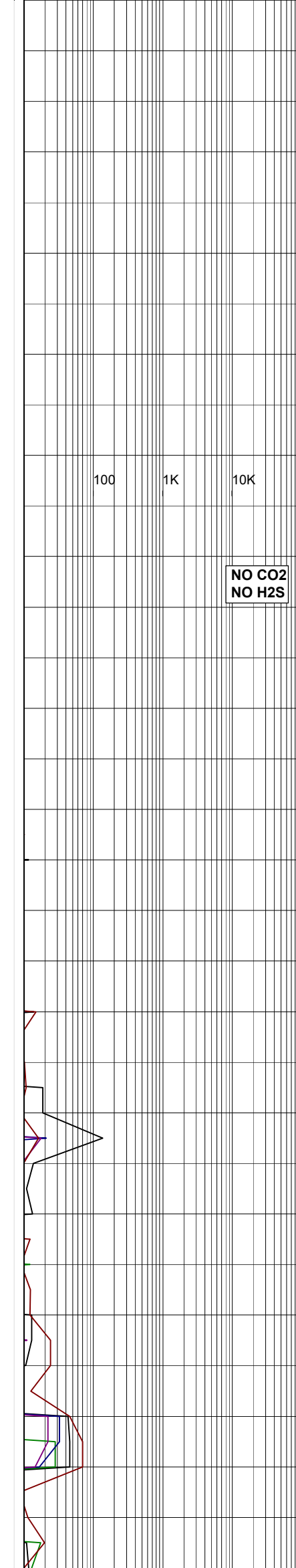
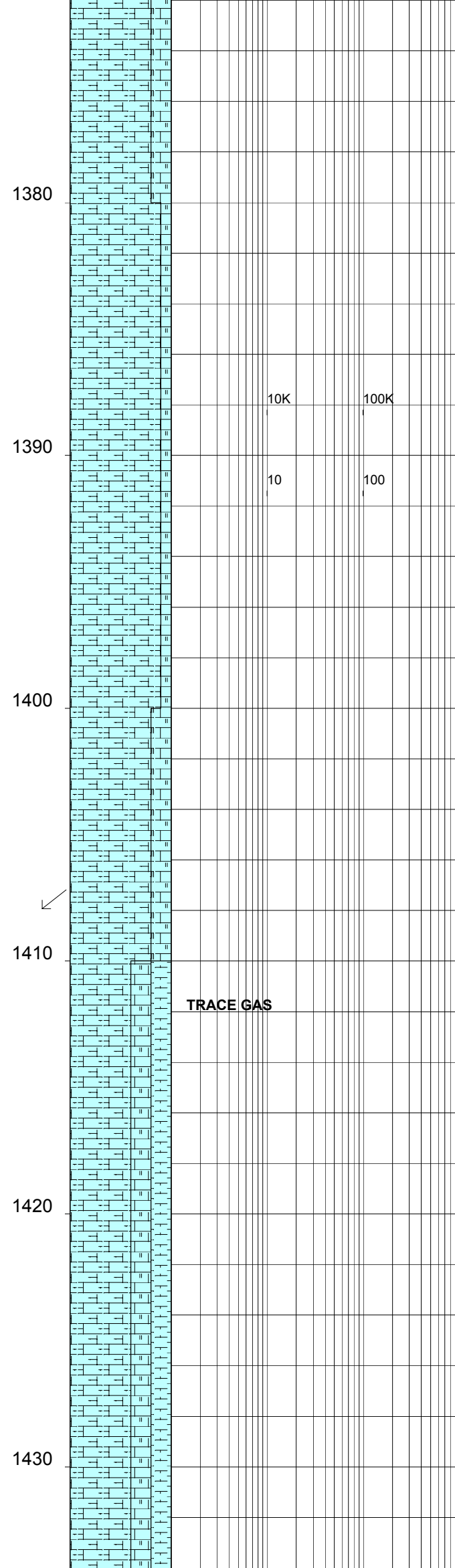
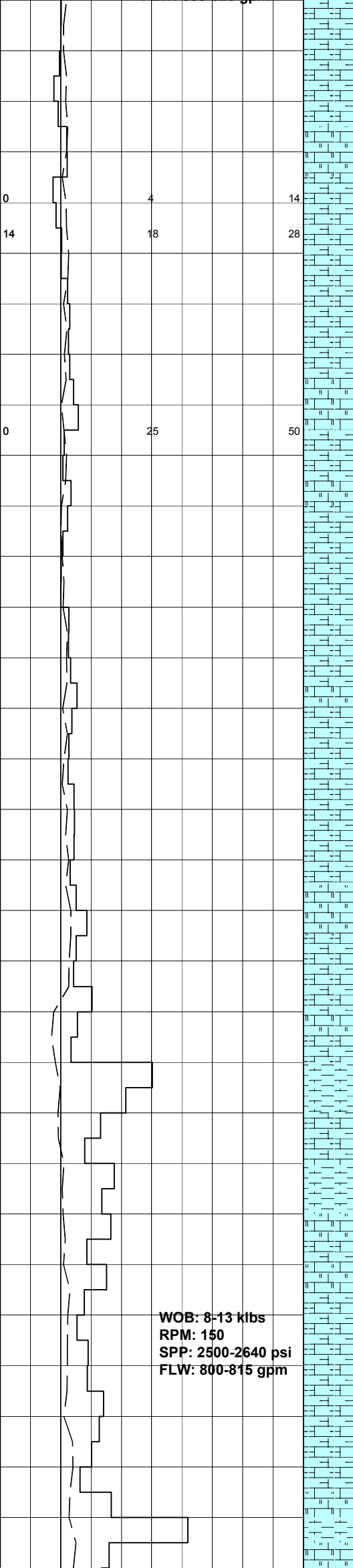












SURVEY @ 1378.37m: 70.75° 115.43°T

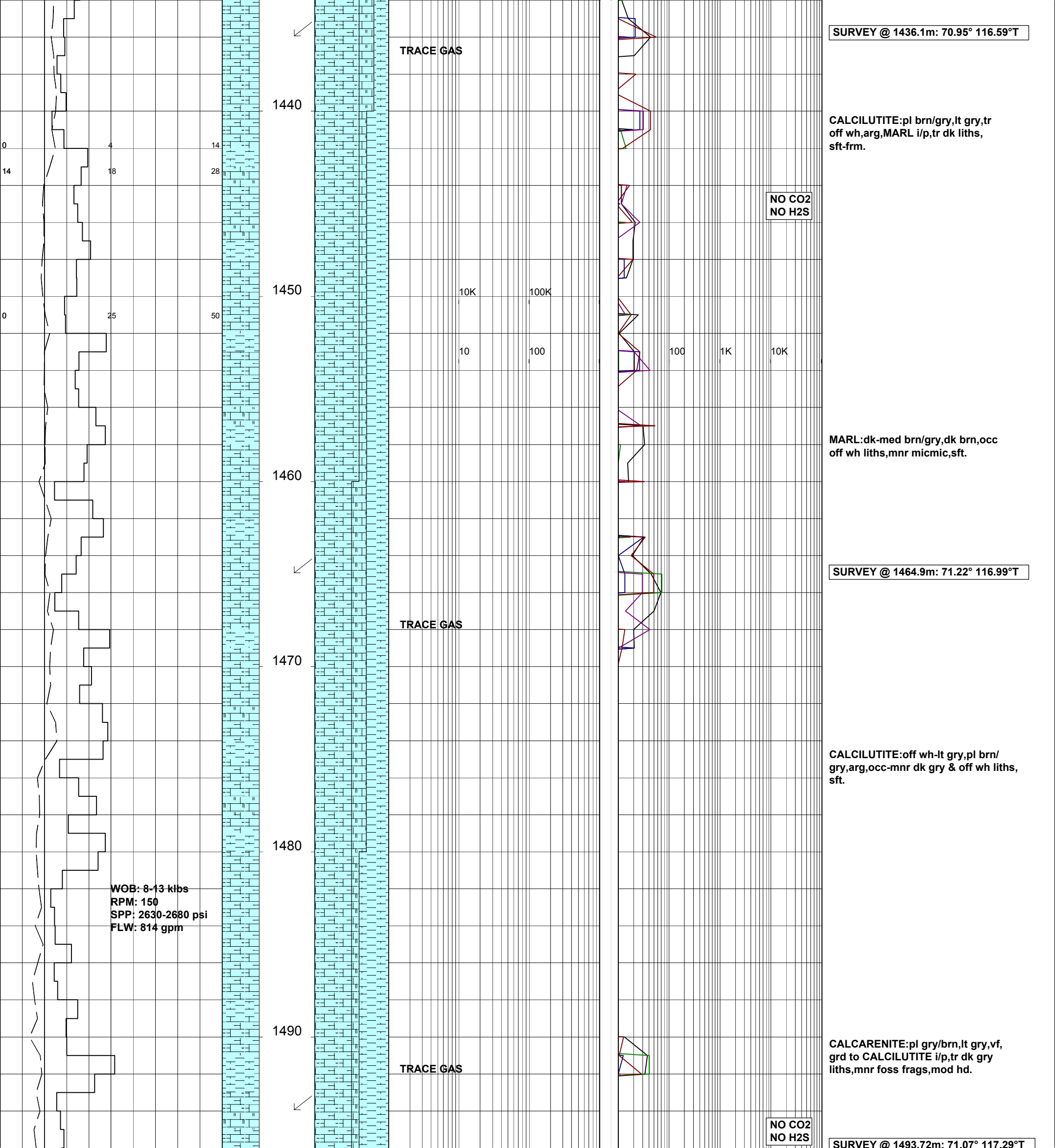
CALCILUTITE:lt gry-off wh,lt-pl gry, mnr med brn,arg,mnr dk gry liths,rr glauc,sft.

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-frm.

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

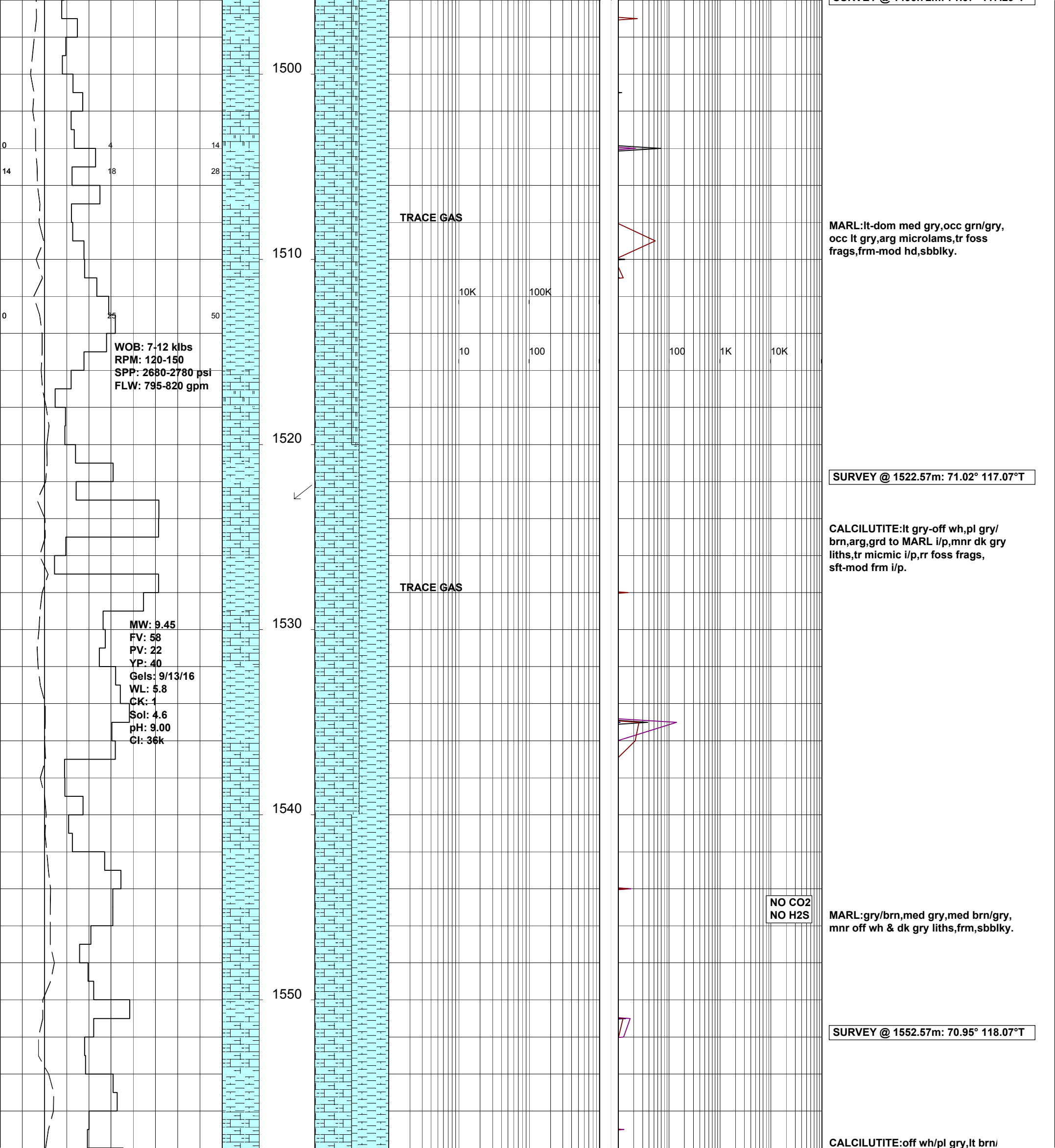
CALCILUTITE:off wh-lt gry,pl brn/ gry,arg,occ-mnr dk gry & off wh liths, sft.

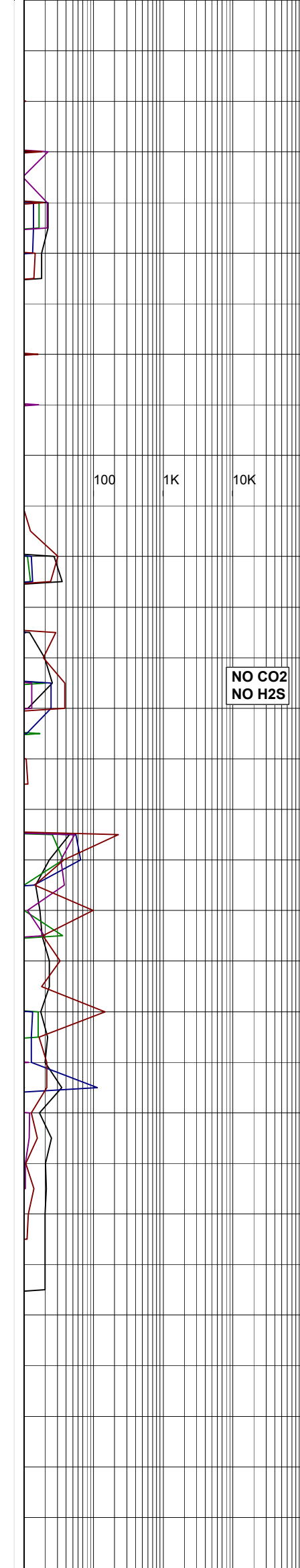
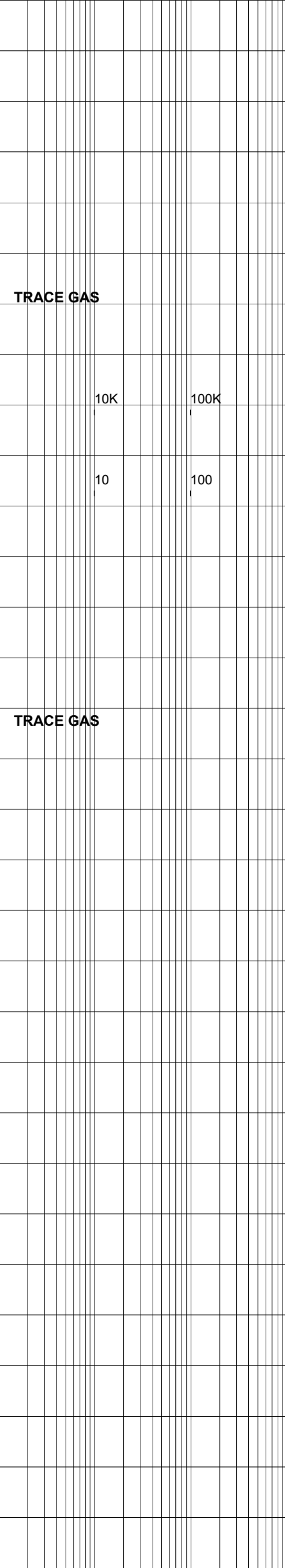
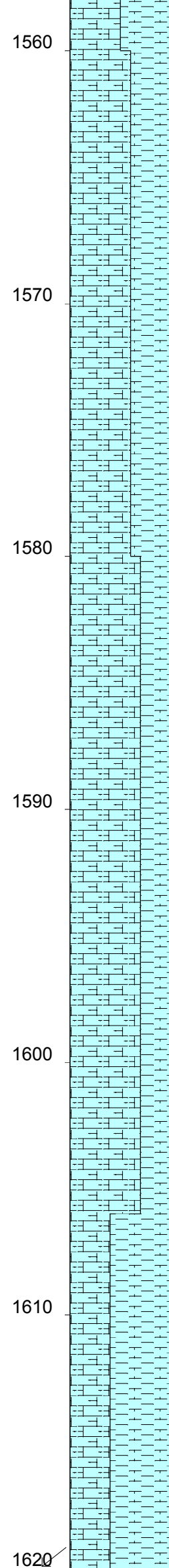
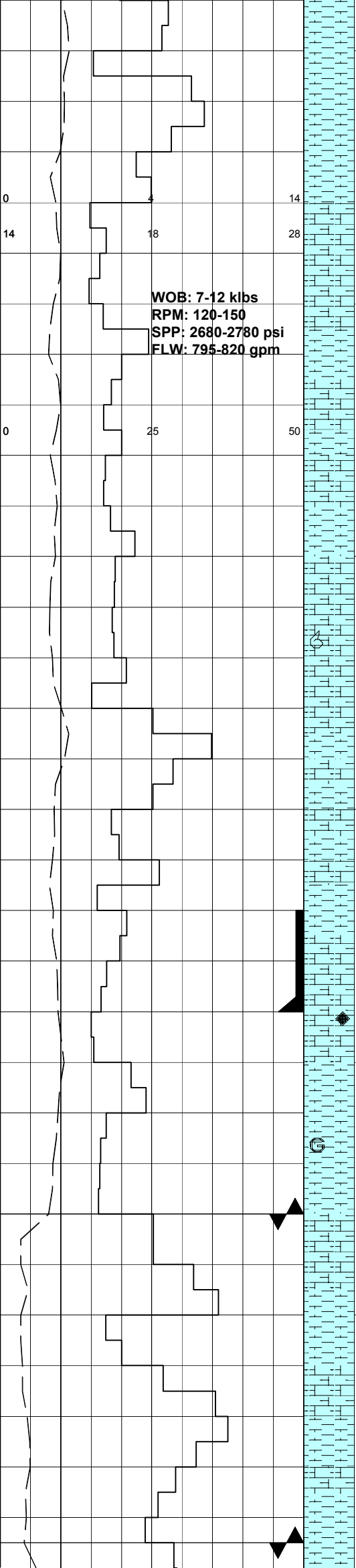
CALCARENITE:pl gry/brn,lt gry,vf, grd to CALCILUTITE i/p,tr dk gry liths,mnr foss frags,mod hd.

NO CO2
NO H2S

SURVEY @ 1493.72m: 71.07° 117.29°T

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

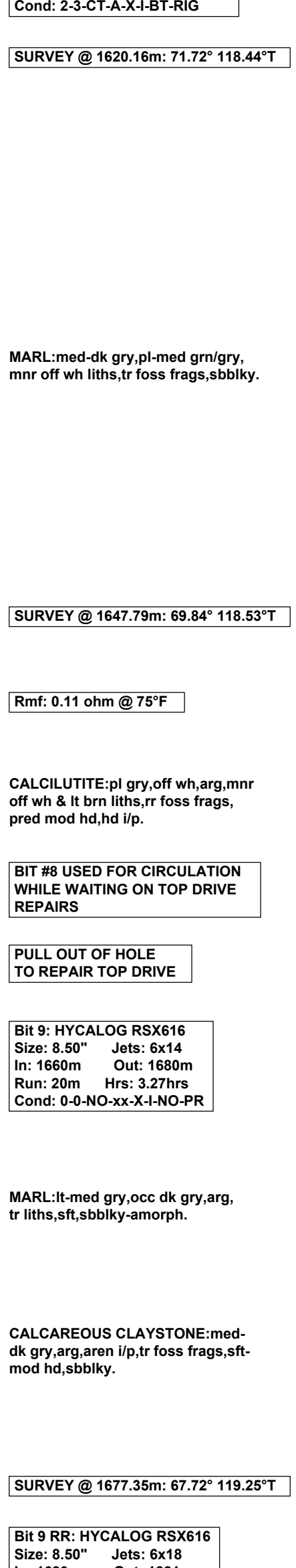
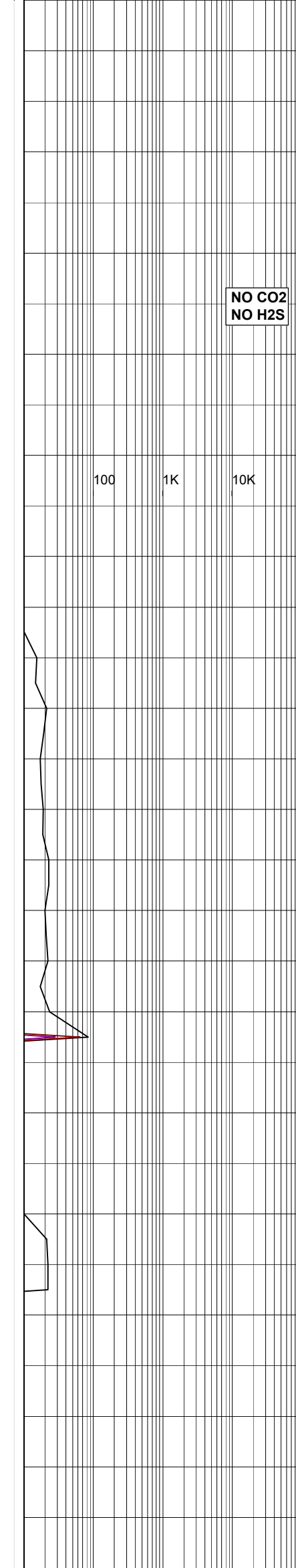
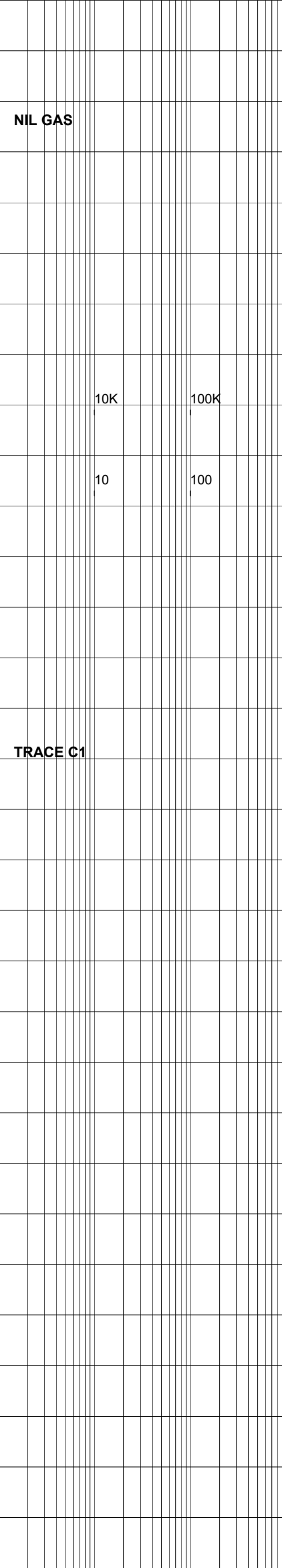
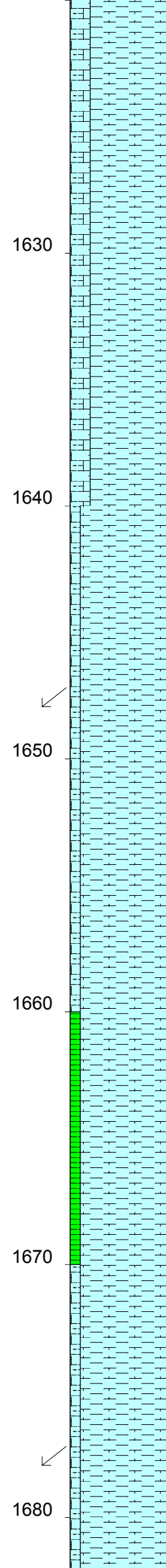
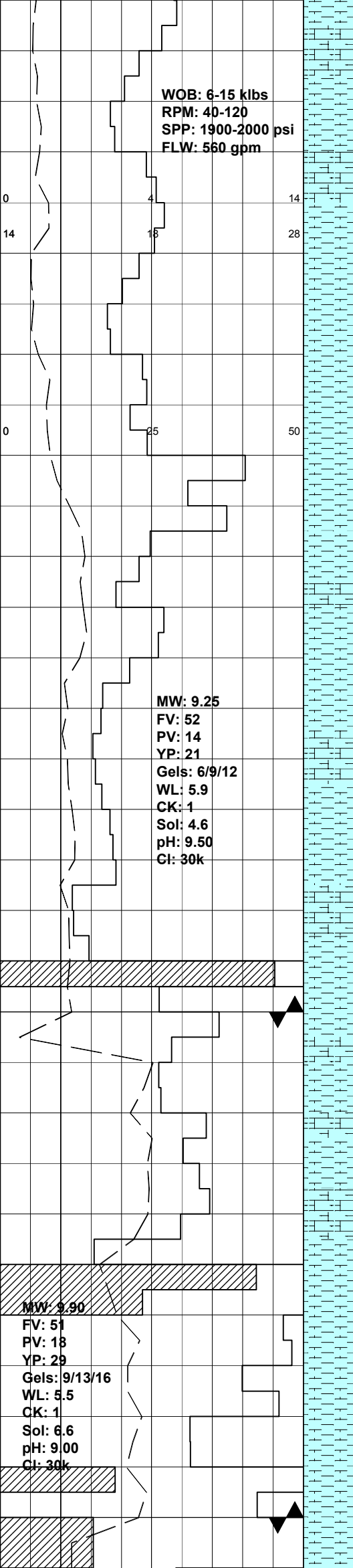


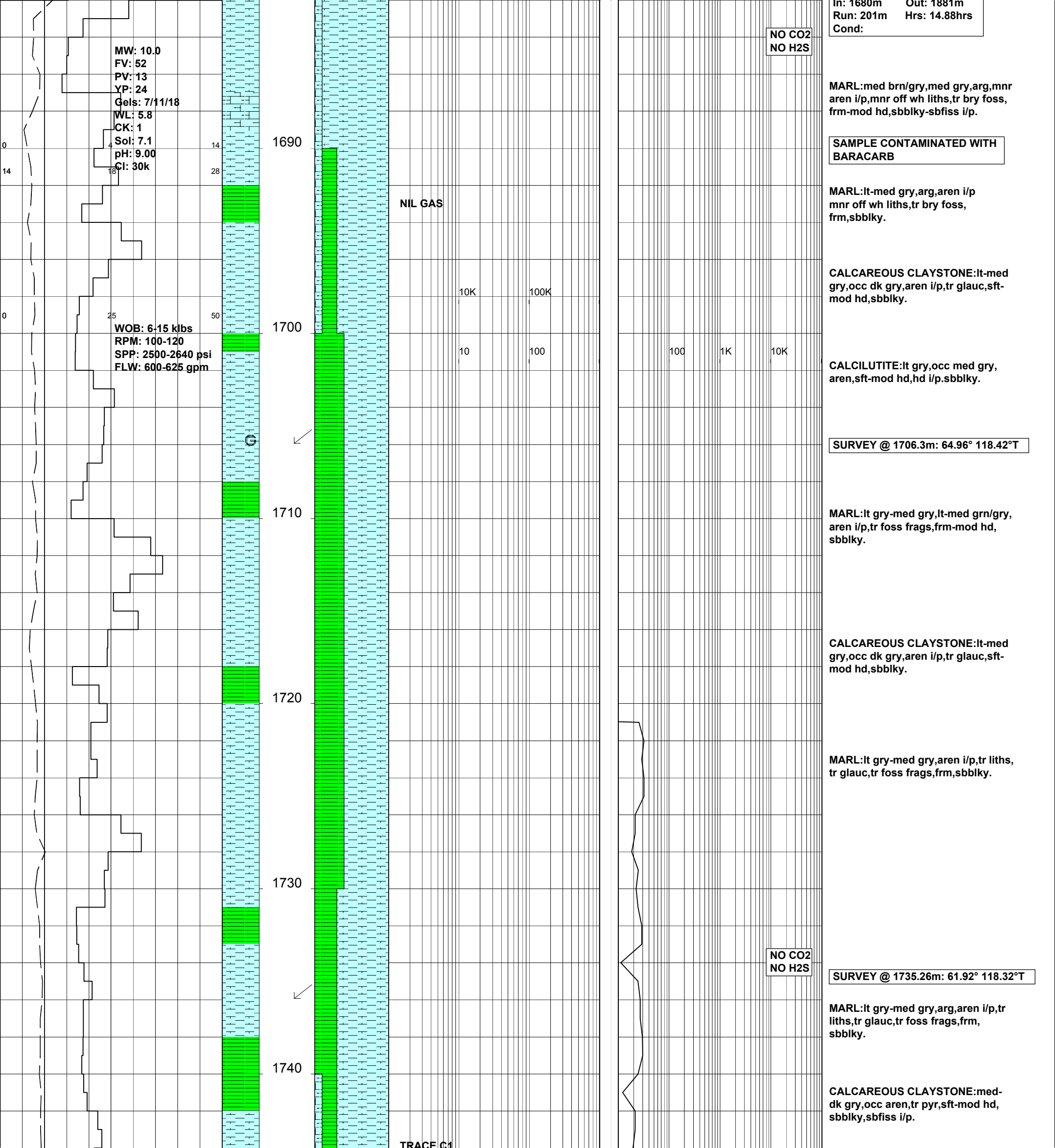


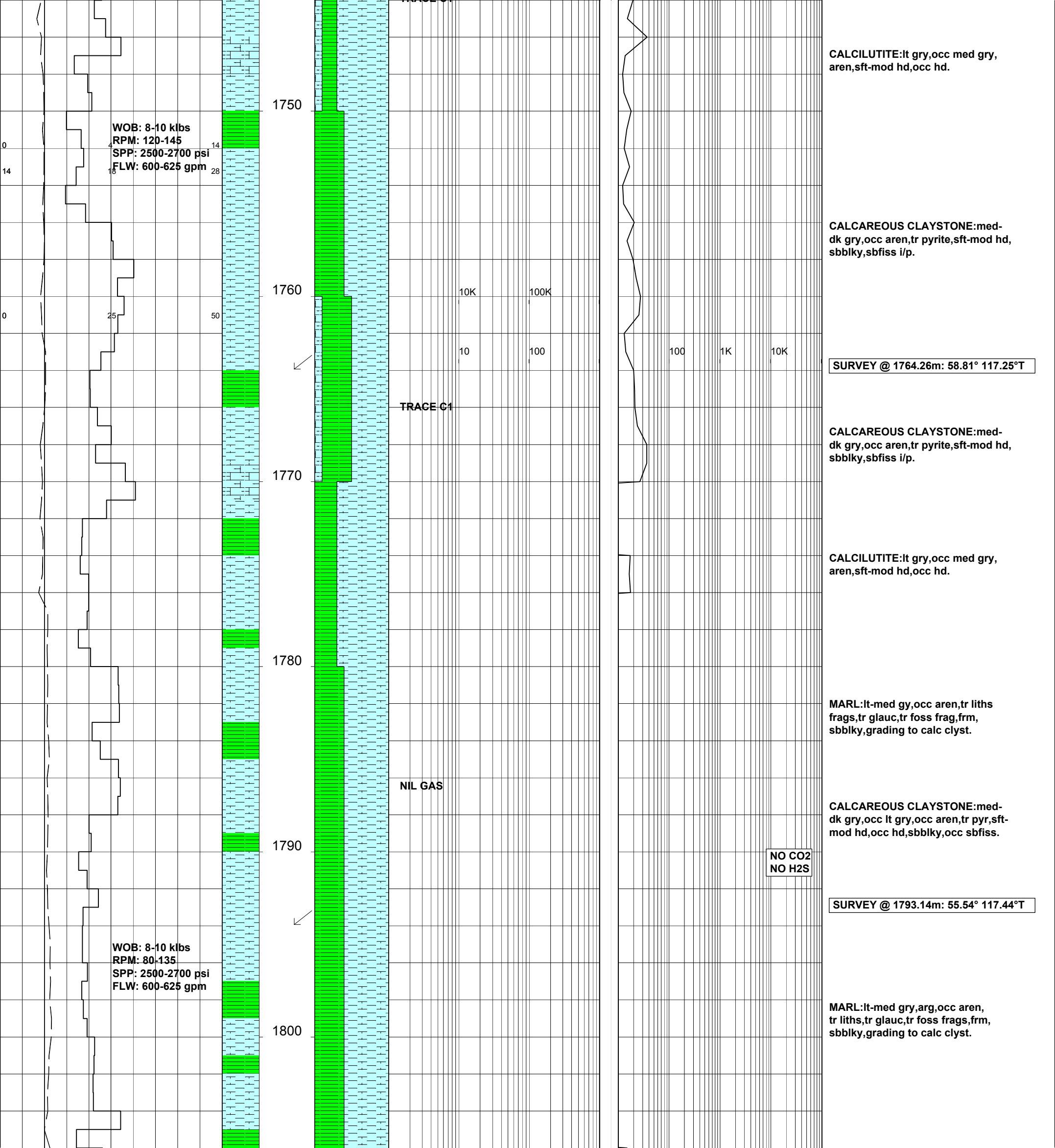
gry i/p,arg,grd to MARL i/p,occ foss
frags,mnr dk gry liths,sft.

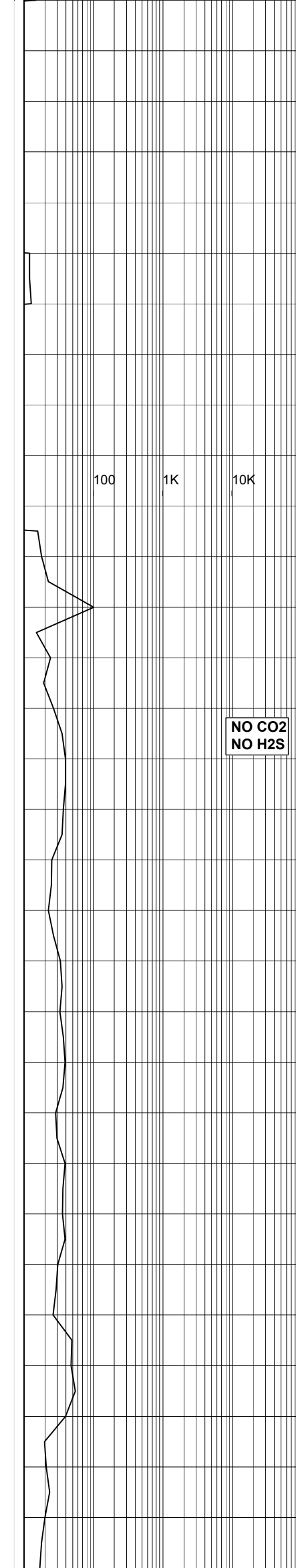
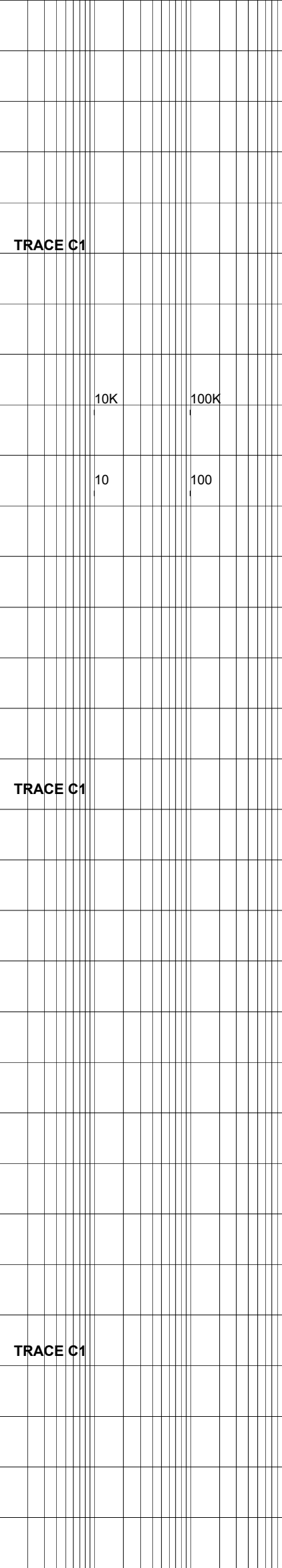
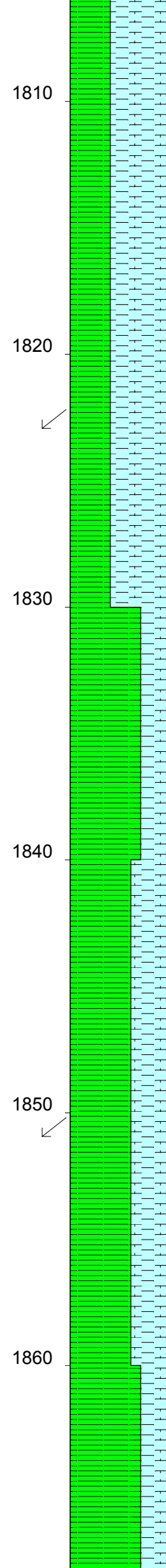
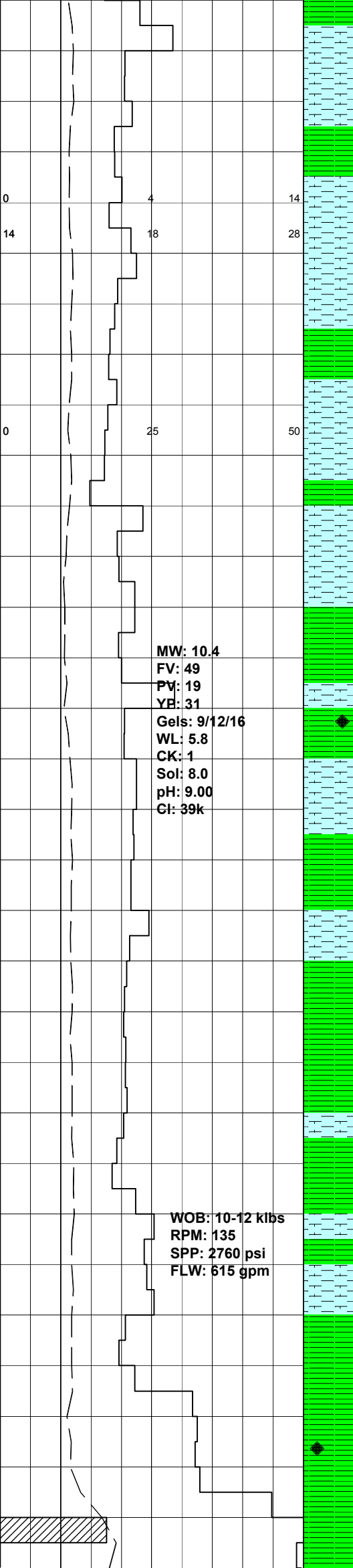
MARL:lt-med gry/brn,pl gry i/p,mnr
off wh & dk gry liths,frm.

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









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.

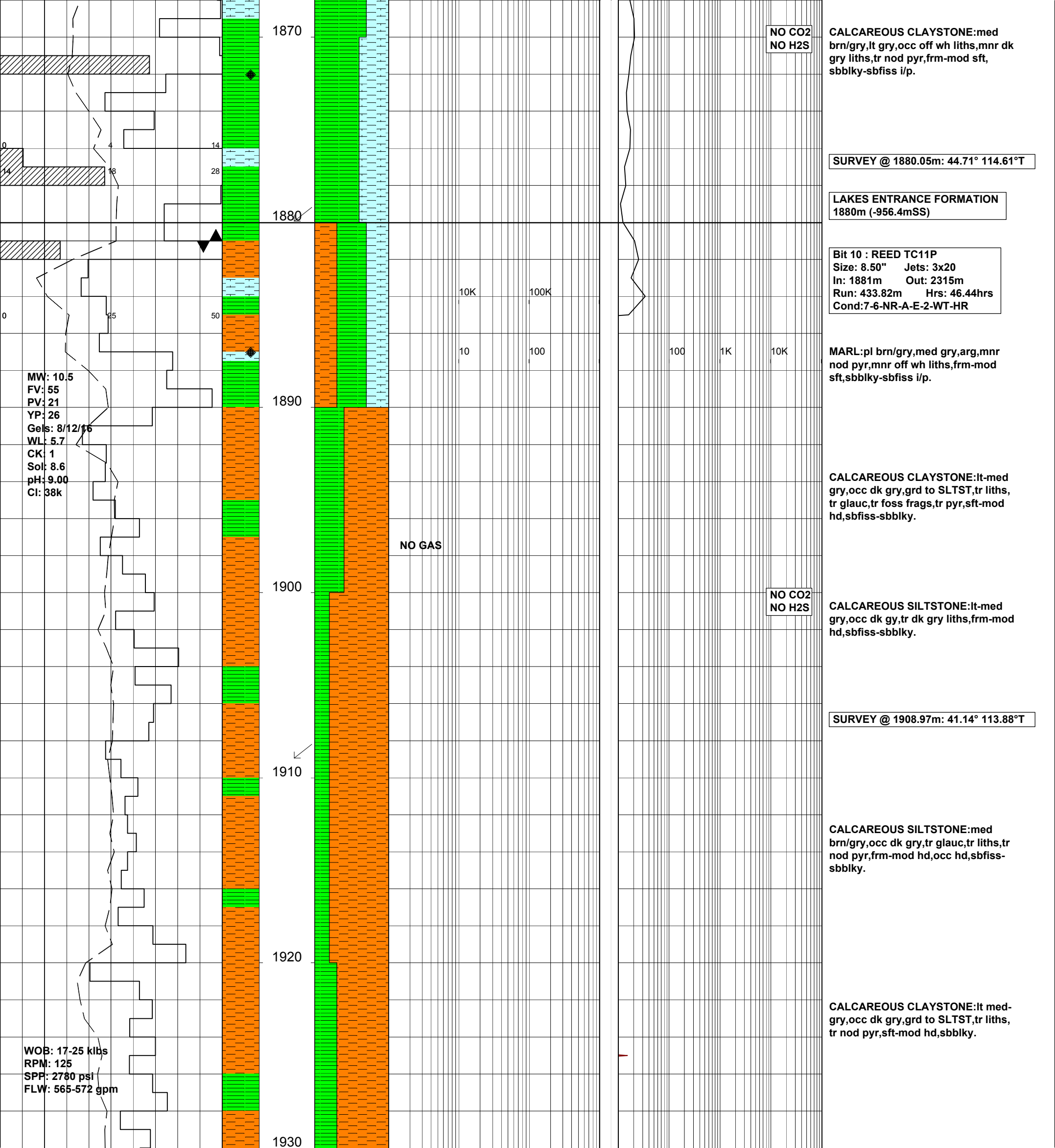
NO CO2
NO H2S

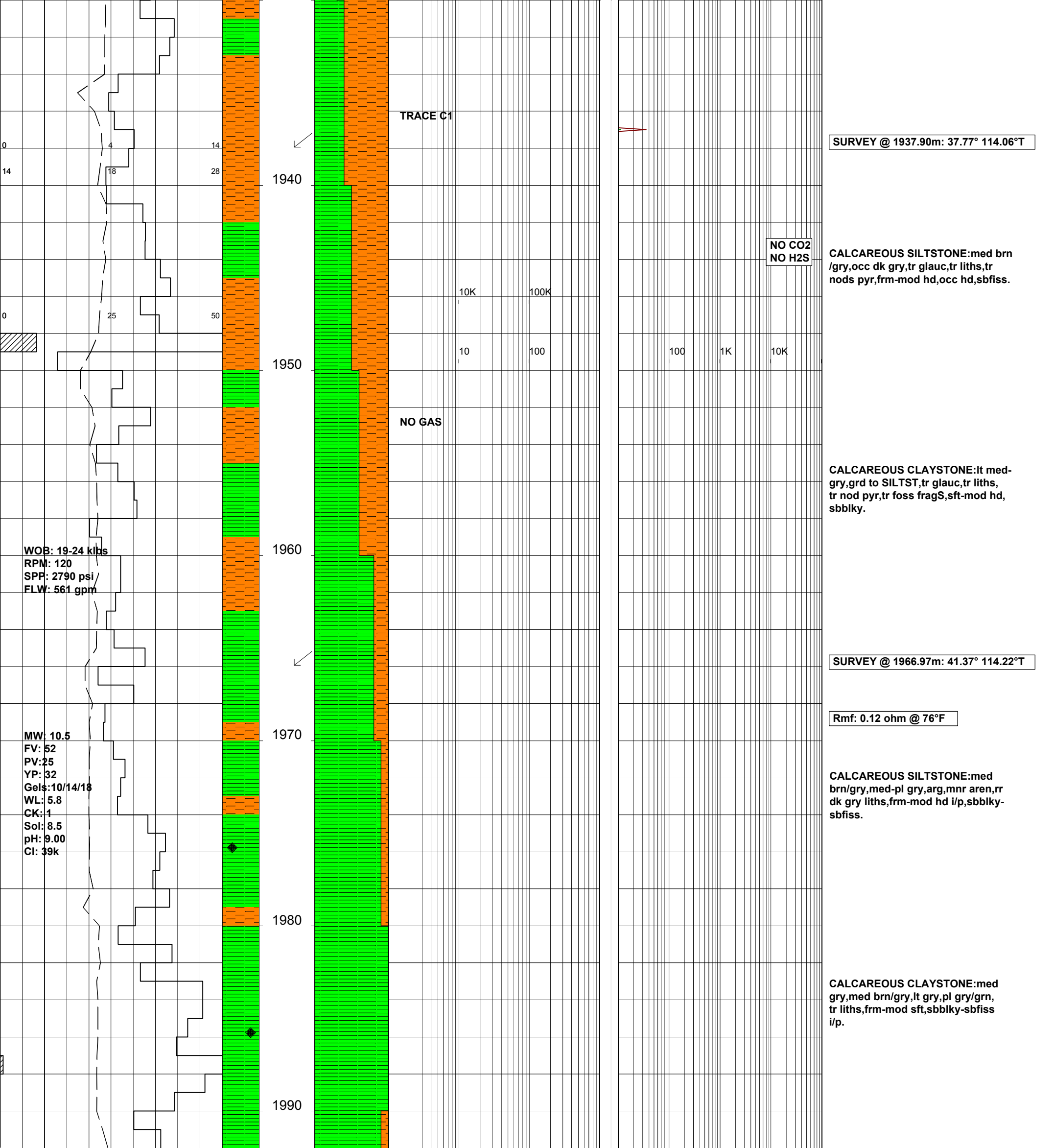
CALCAREOUS CLAYSTONE:pl brn/gry,lt gry,mnr off wh liths,rr foss frags,sft,sbblky-sbfiss.

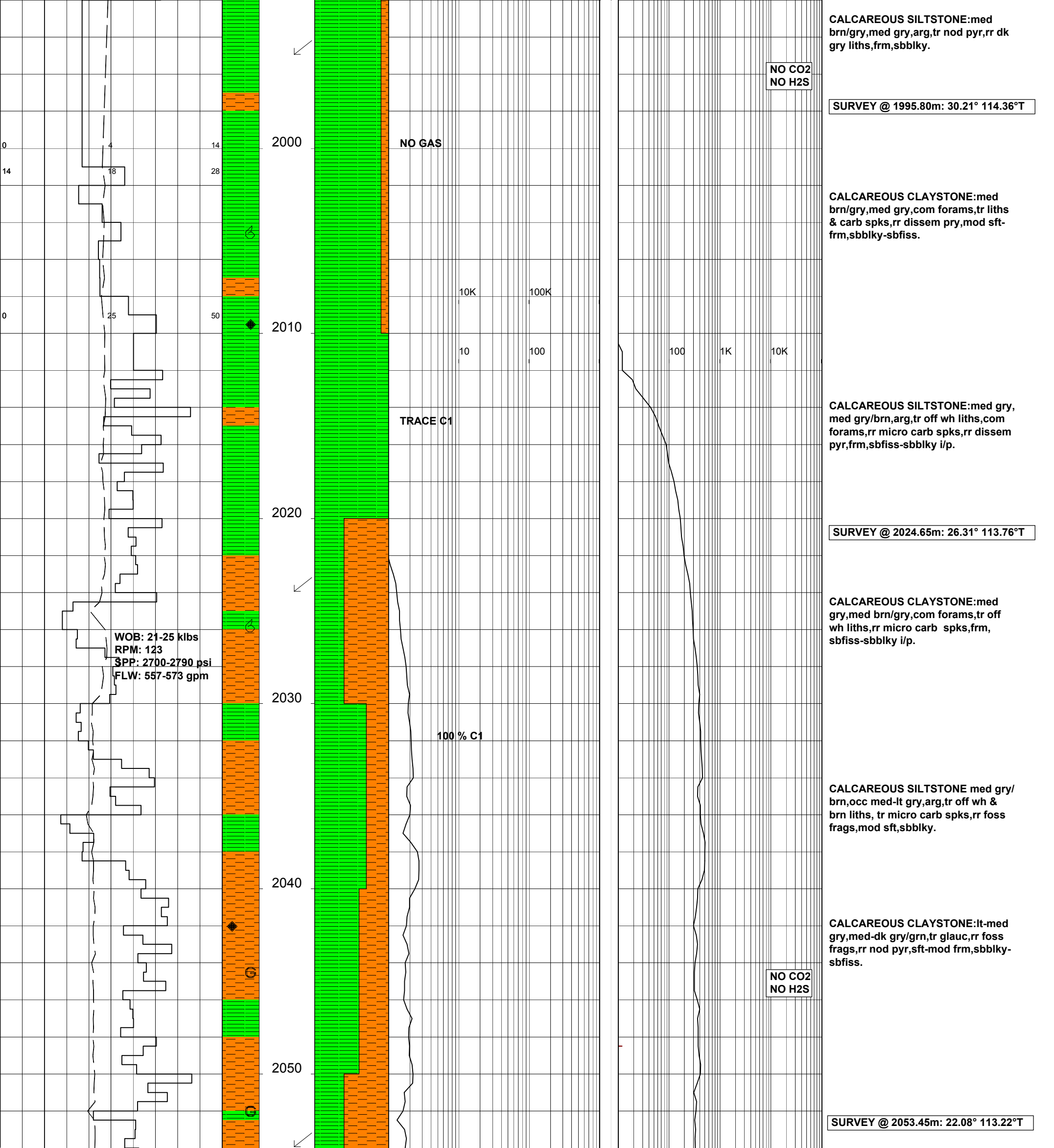
SURVEY @ 1851.05m: 49.98° 115.64°T

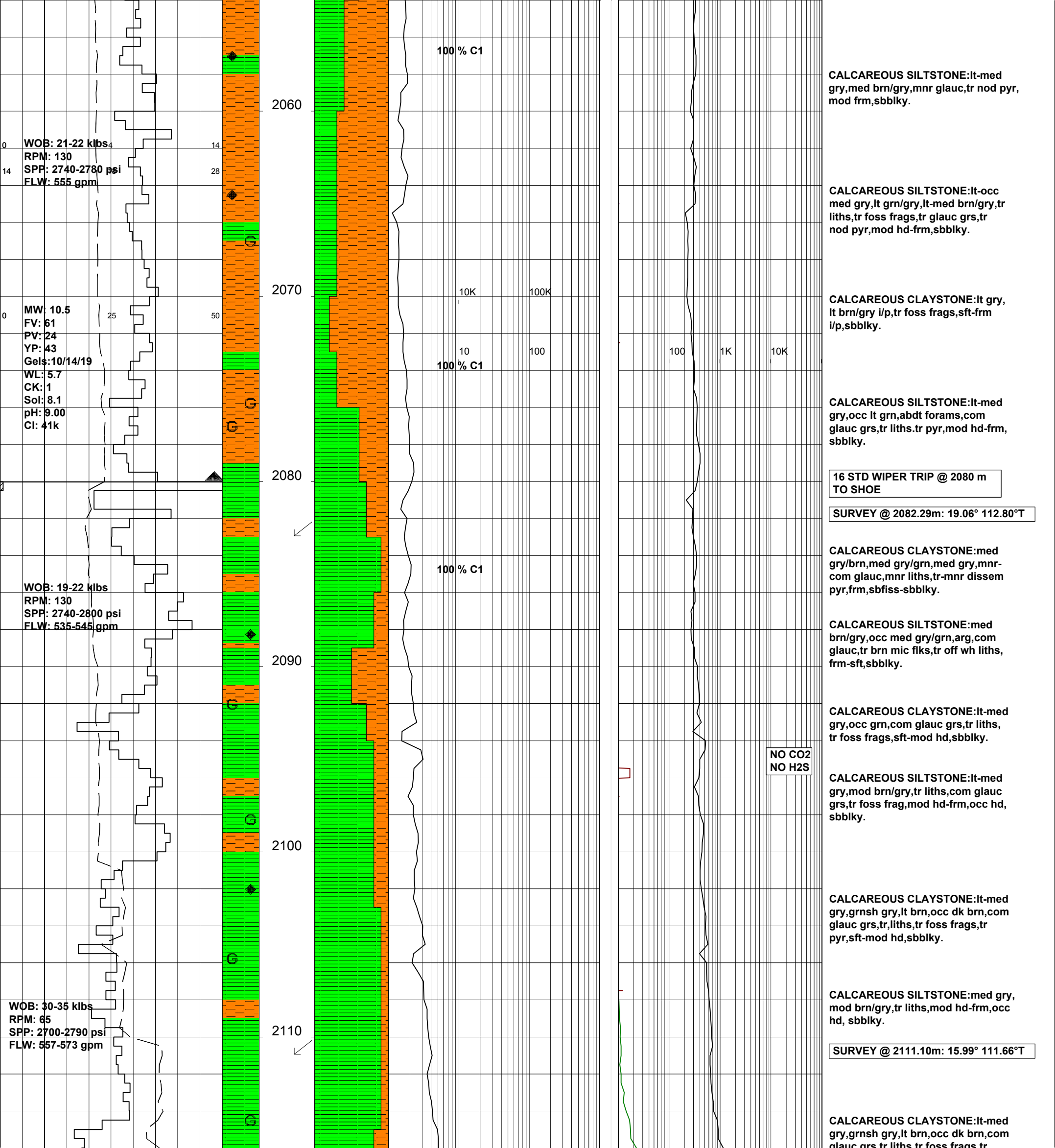
MARL:pl brn/gry,med gry,arg,mnr nod pyr,mnr dk gry & off wh liths,frm-mod sft,sbblky-sbfiss i/p.

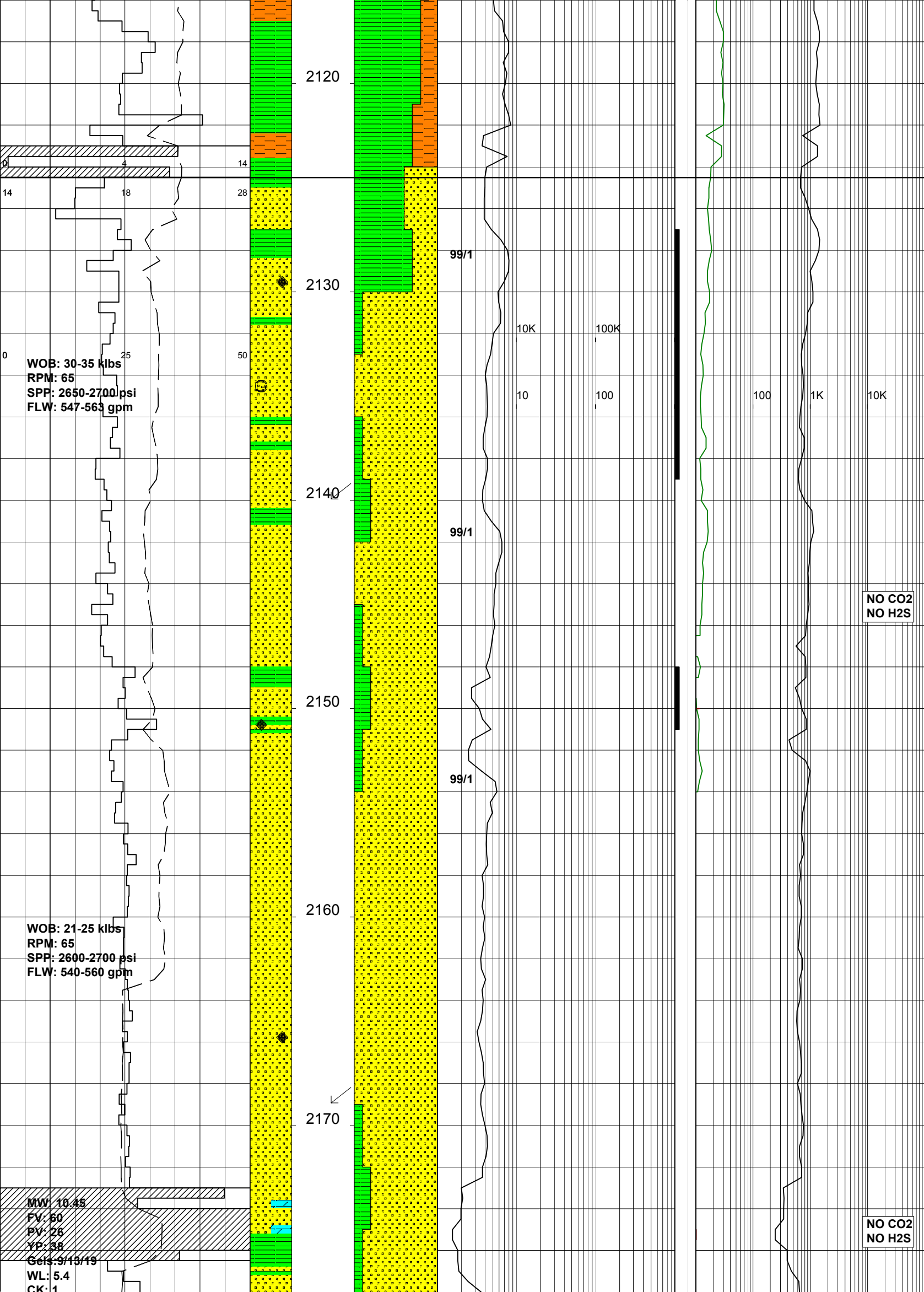
Rmf: 0.28 ohm @ 75°F











glauc gry, tr, mnr, tr foss frags, tr
pyr, sft-mod hd, sbblky.

SAMPLE CONTAMINATED WITH
BARACARB

LATROBE COARSE CLASTICS:
2124.5mMD (-1167mSS)

CONTROLLED DRILLING FROM
2126m

SANDSTONE: trnsi, lt gry, dom med-
v crs, occ vf aggs, pr srt, sbang-ang,
tr mod strg sil cmt, mnr off wh arg
mtx, tr pyr, tr glauc, tr foss frags, com
lse clr qtz, mod hd-occ hd aggs, pr vis
por, fr-gd inf por, tr 5% fluor.

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

SANDSTONE: clr-trnsi, lt gry, med-v
crs, pr srt, sbang-ang, tr wk sil cmt, tr
glauc, tr pyr, gen lse & cln, fr-gd inf
por, tr fluor.

SURVEY @ 2139.98m: 13.98° 108.53°T

SAMPLE CONTAMINATED WITH
BARACARB MUD ADDITIVE

SANDSTONE: clr-trnsi, med-v crs,
dom med-crs, pr srt, sbang, tr pyr, tr
glauc, gen lse & cln, gd inf por, no
fluor.

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

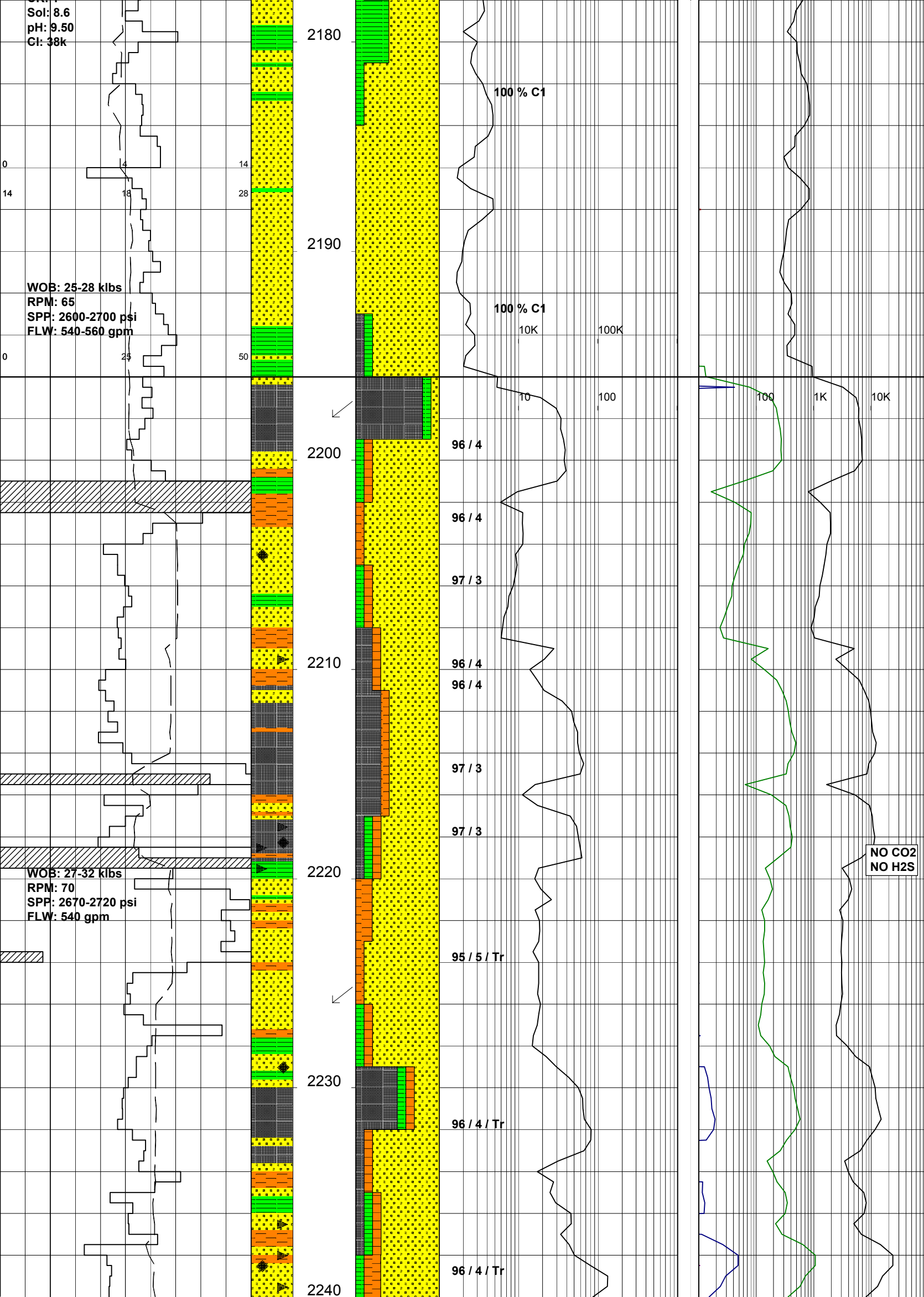
2148-2151m: Tr dll yel ptchy
fluor, tr pl yel c/c, thk flm.

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

SURVEY @ 2168.79m: 9.86° 104.21°T

NO CO2
NO H2S

SANDSTONE: clr-trnsi, 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, sbblky.

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-sbblky,hckly-evn i/p.
SILTSTONE:med brn,brn/gry,arg,wk calc,tr aren,com off wh liths,occ carb spks,mnr micmic,frm,sbblky.
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, sbblky-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,sbblky-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,sbblky-sbfiss.

SURVEY @ 2226.47m: 3.33° 92.87°T

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

COAL:v dk brn-blk i/p,dll-ea,slty, grd to carb SLTST i/p,frm,sbblky-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 & micrlams, occ offwh liths,micmic i/p,frm-mod hd,sbblky-sbfiss.
CLAYSTONE:lt gry,lt gry/grn,mnr

