

Geoservices
logging

SPUD DATE	26-June-2004
TD DATE	29-June-2004
TD DRILLER	889m
TD WIRELINE	881m
LOGGED FROM	877m
LOGGED TO	SURFACE
STATUS	PLUGGED & ABANDONED

DEPTH SCALE 1/ 200

Brendan Lacy
Phil Smith

WG	WEIGHT	lb/gal
VM	MUD GRADIENT	psi/ft
V	VISCOSITY	st/qt
PV	PLASTIC VISCOSITY	Cp
YP	YIELD POINT	lb/cf
GEL	GEL STRENGTH	lb/cf
pH	ACIDITY	
F	FILTRATE	cm ³ /30
CK	CAKE THICKNESS	in/32
S	SALINITY	kg/m ³
SD	SAND CONTENT	%
O	OIL CONTENT	%
WL	WATER LOSS	cm ³ /30
SOL	SOLIDS CONTENT	%
pF	FILTRATE ALKALINITY	%
GYP	GYP SUM CONTENT	lb/bbl

	CLAYSTONE		MEDIUM SST		LIMESTONE		GYPSUM		TUFF		FERRUGINOUS		CALCAREOUS		GLAUCONITE		MICROFOSSILS
	SILTSTONE		FINE SANDSTONE		DOLOMITIC LIMES		CEMENT		VOLCANIC ROCK		FORAMINIFERA		DOLOMITIC		MICACEOUS		FOSSILS
	CONGLOMERATE		VF SANDSTONE		DOLOMITE		HALITE		IGNEOUS ROCK		BRYOZOA		CARBONACEOUS		PYRITE		GASTROPODS
	COARSE SST		MARL		COAL		CALCARENITE		METAMORPHICS		FELDSPAR		CHERTY		BROKEN FOSSILS		MOLLUSCS

[illegible]

Geoservices logging









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LOGGING ENGINEERS

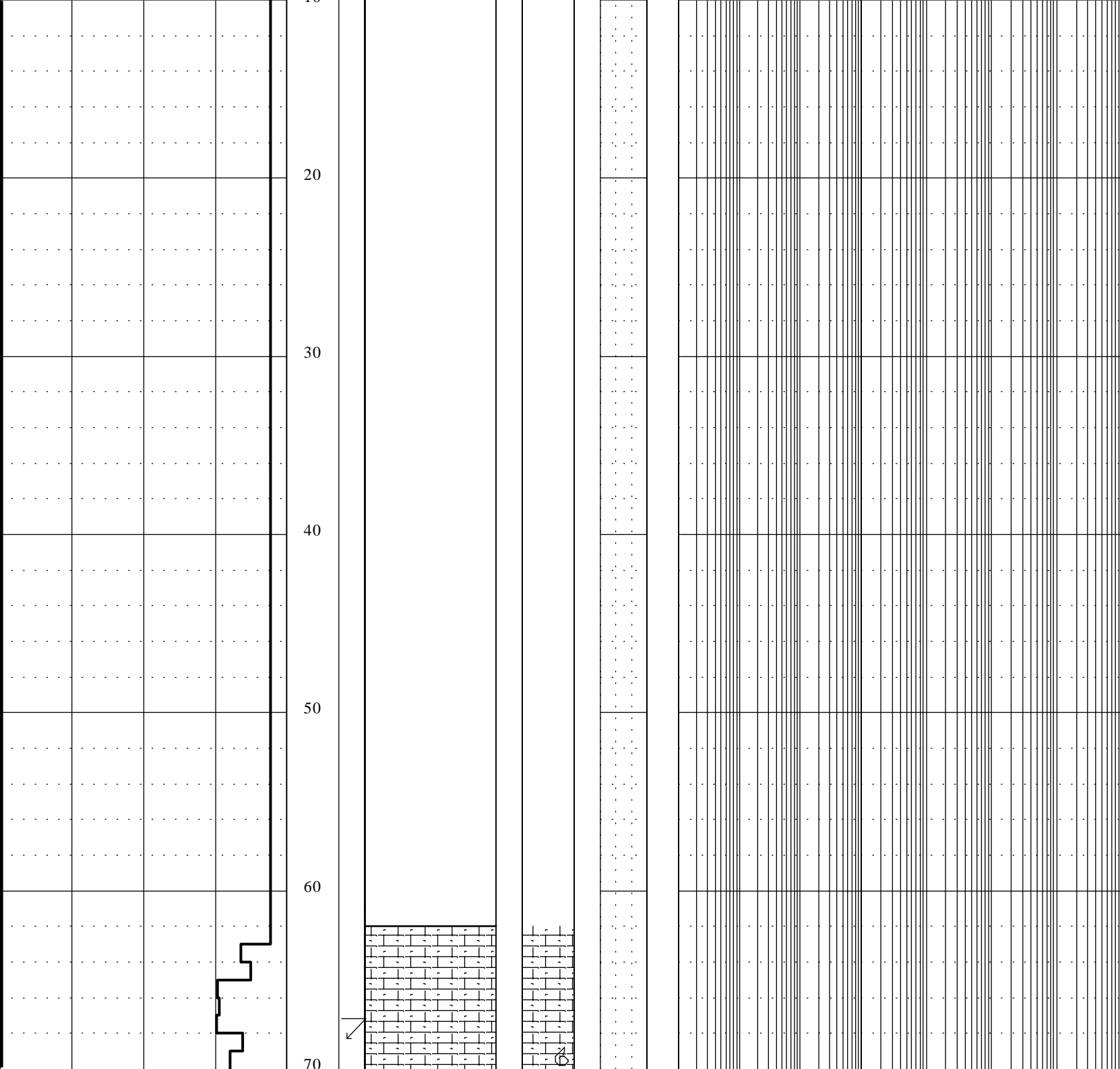
DEPTH SCALE 1/ 200

MUD DATA

W	WEIGHT	lb/gal
MG	MUD GRADIENT	psi/ft
V	VISCOSITY	s/qt
PV	PLASTIC VISCOSITY	Cp
YP	YIELD POINT	lb/cf2
GEL	GEL STRENGTH	lb/cf2
PH	ACIDITY	
F	FILTRATE	cm3/30
CK	CAKE THICKNESS	in/32
S	SALINITY	kg/m3
SD	SAND CONTENT	%
O	OIL CONTENT	%
WL	WATER LOSS	cm3/30
SOL	SOLIDS CONTENT	%
PF	FILTRATE ALKALINITY	%
GYP	GYPSSUM CONTENT	lb/bbl

	GLAUCONITE		MICROFOSSILS
	MICACEOUS		FOSSILS
	PYRITE		GASTROPODS
	BROKEN FOSSILS		MOLLUSCS

NEWER BASALT



4.0m

4.0m-20.0m: BASALT

20.0m-27.0m:
RED & YELLOW CLAY

PORT CAMPBELL LIMESTONE:
(30.0m-62.0m)

30.0m-62.0m:
CALCARENITE

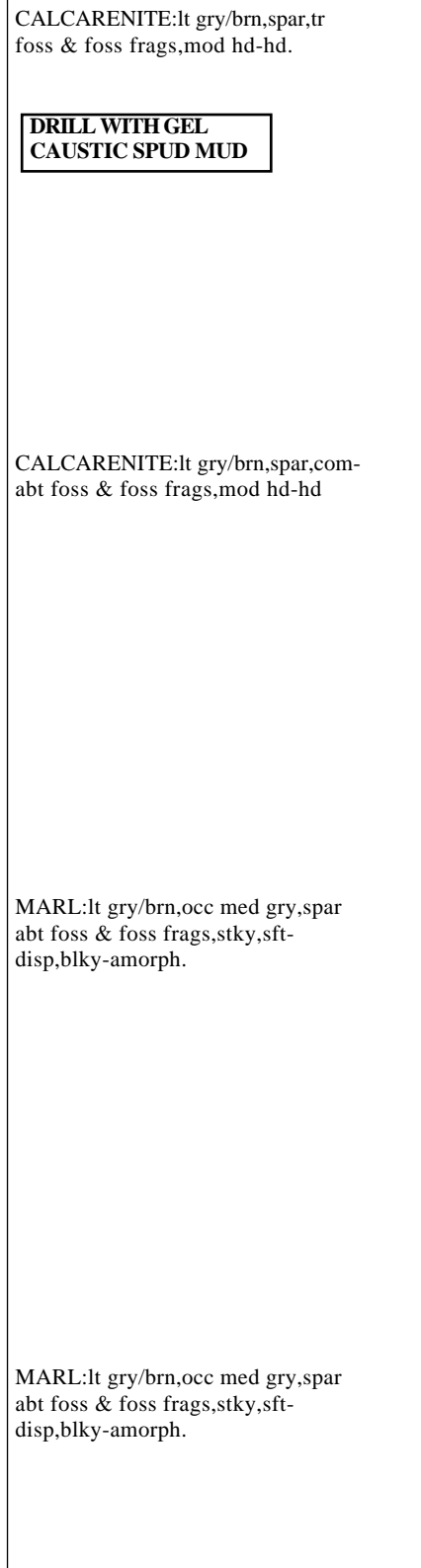
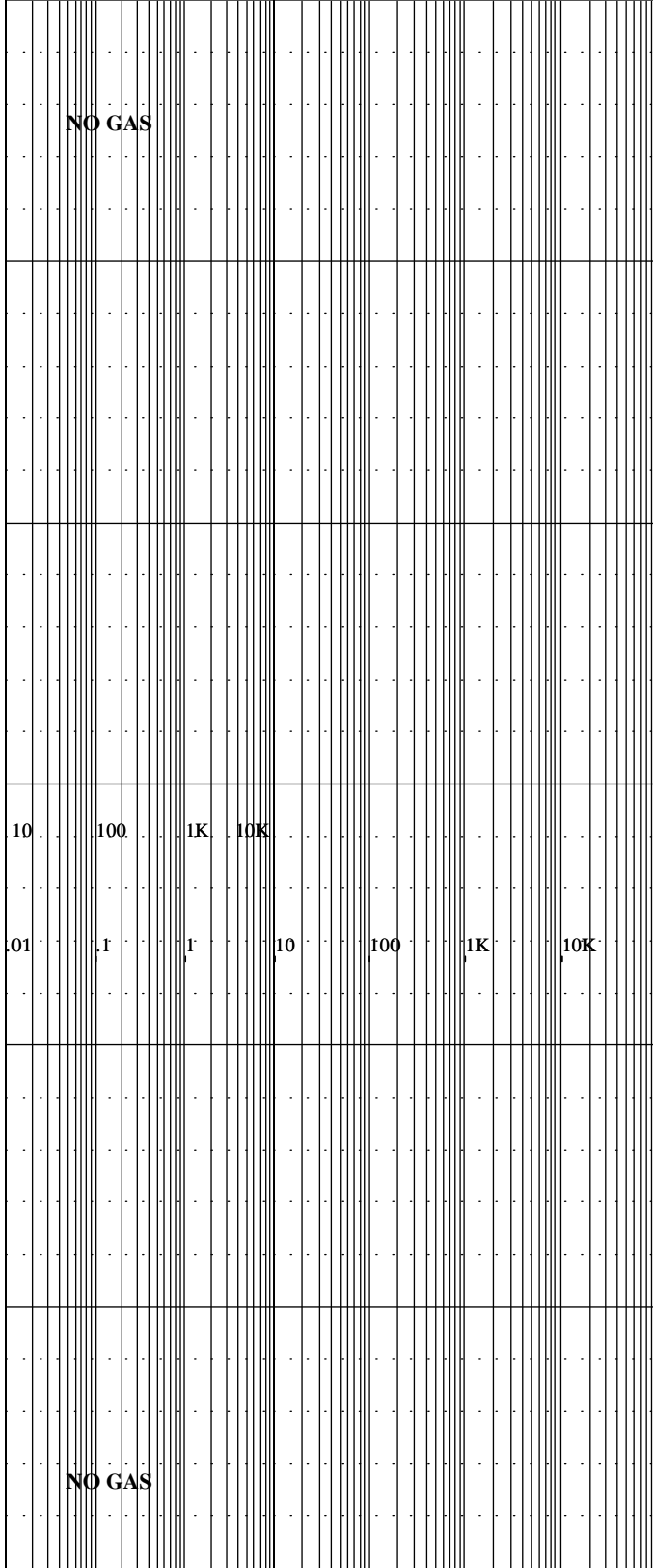
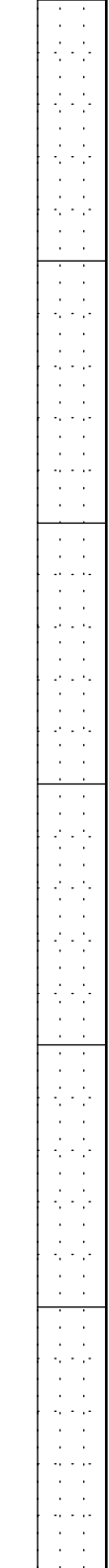
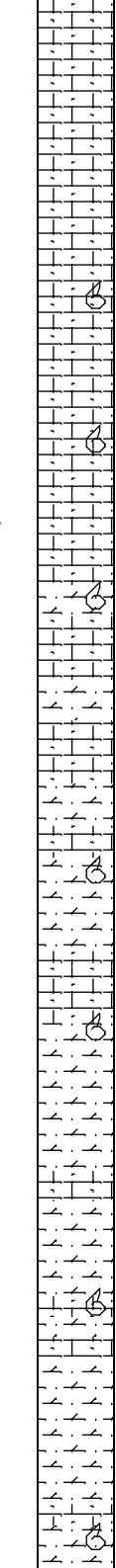
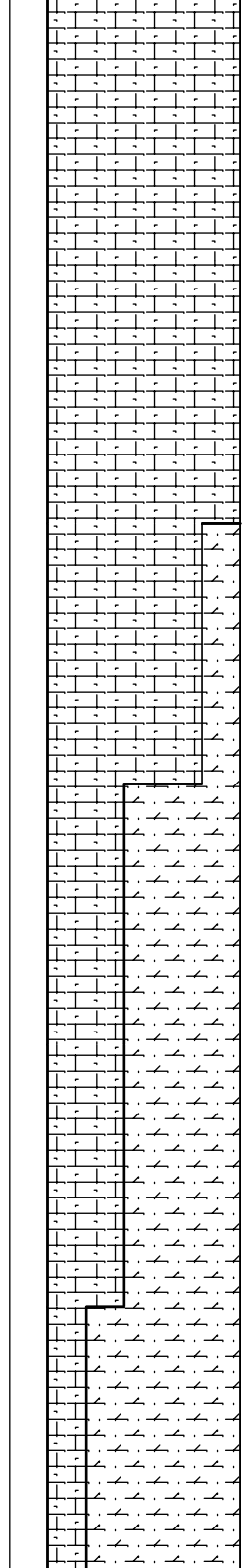
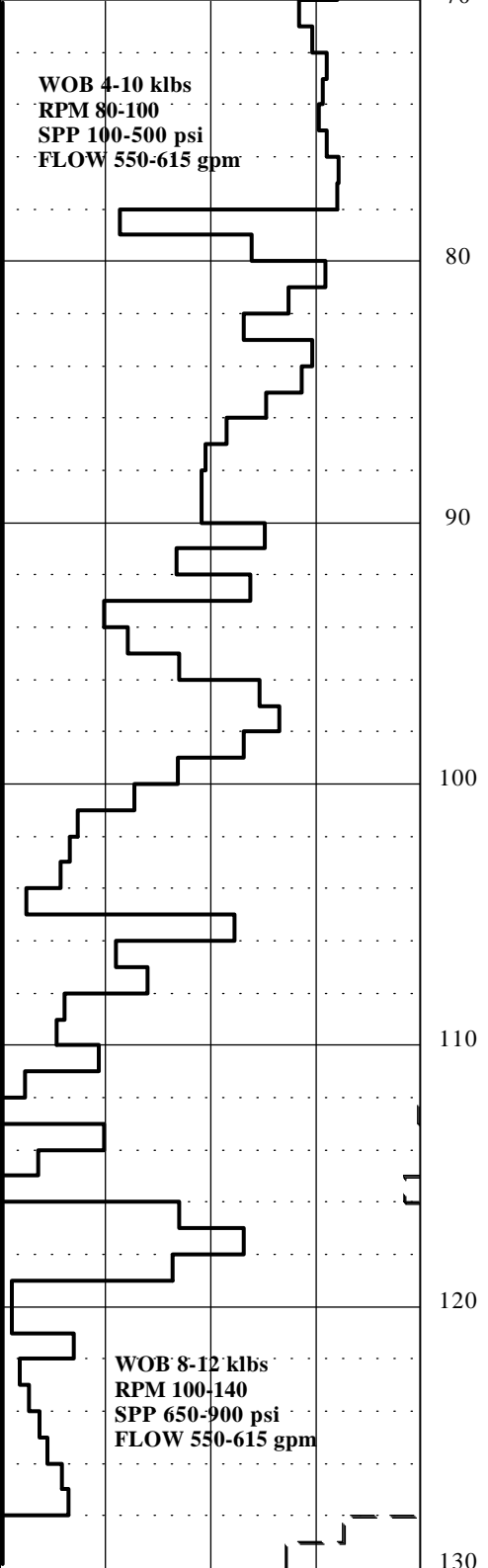
30.0m-144.0m:
FOSSILIFEROUS CALCARENITE

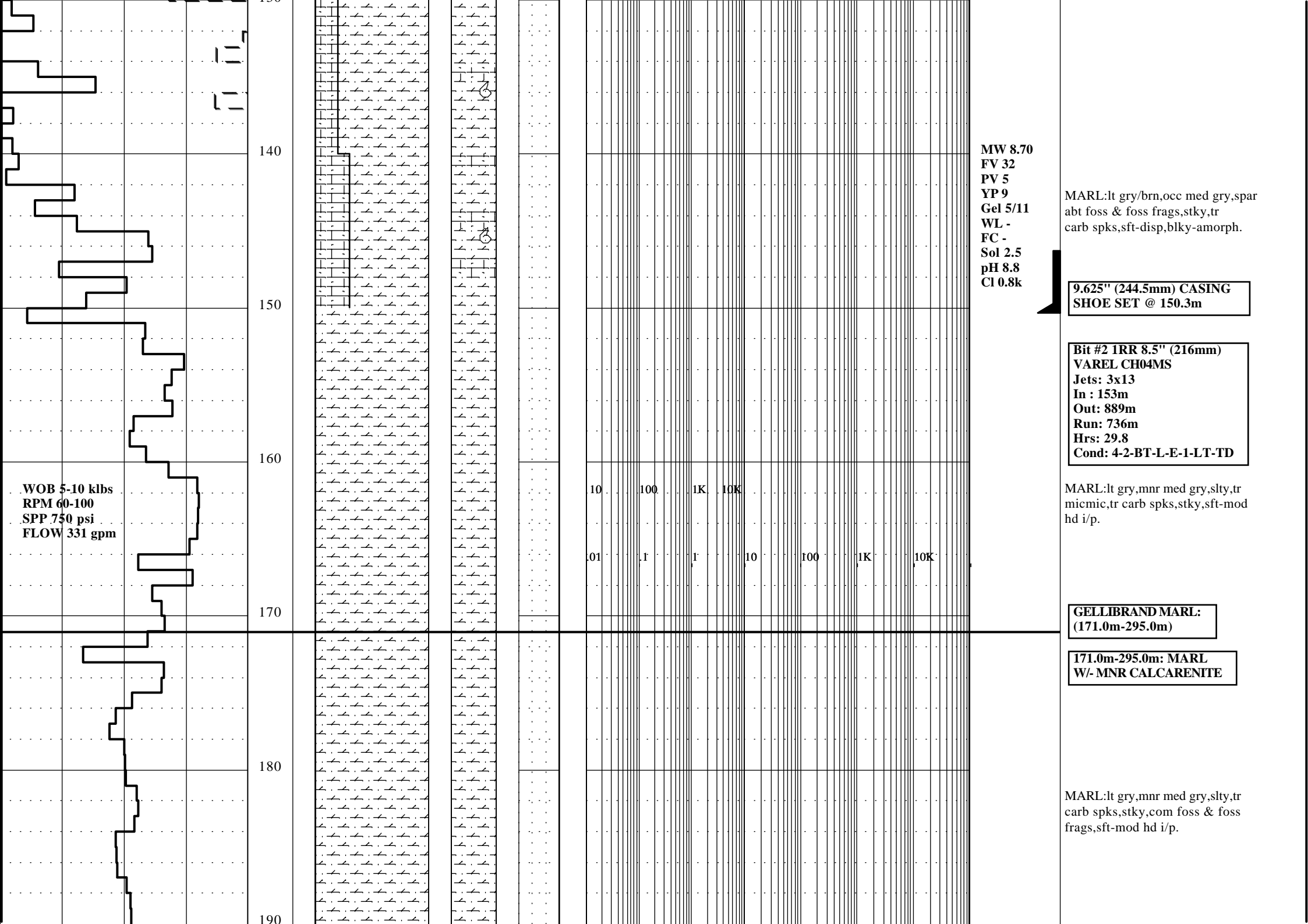
FINDRA #1 Spudded @
00:30 hrs on 26/6/04

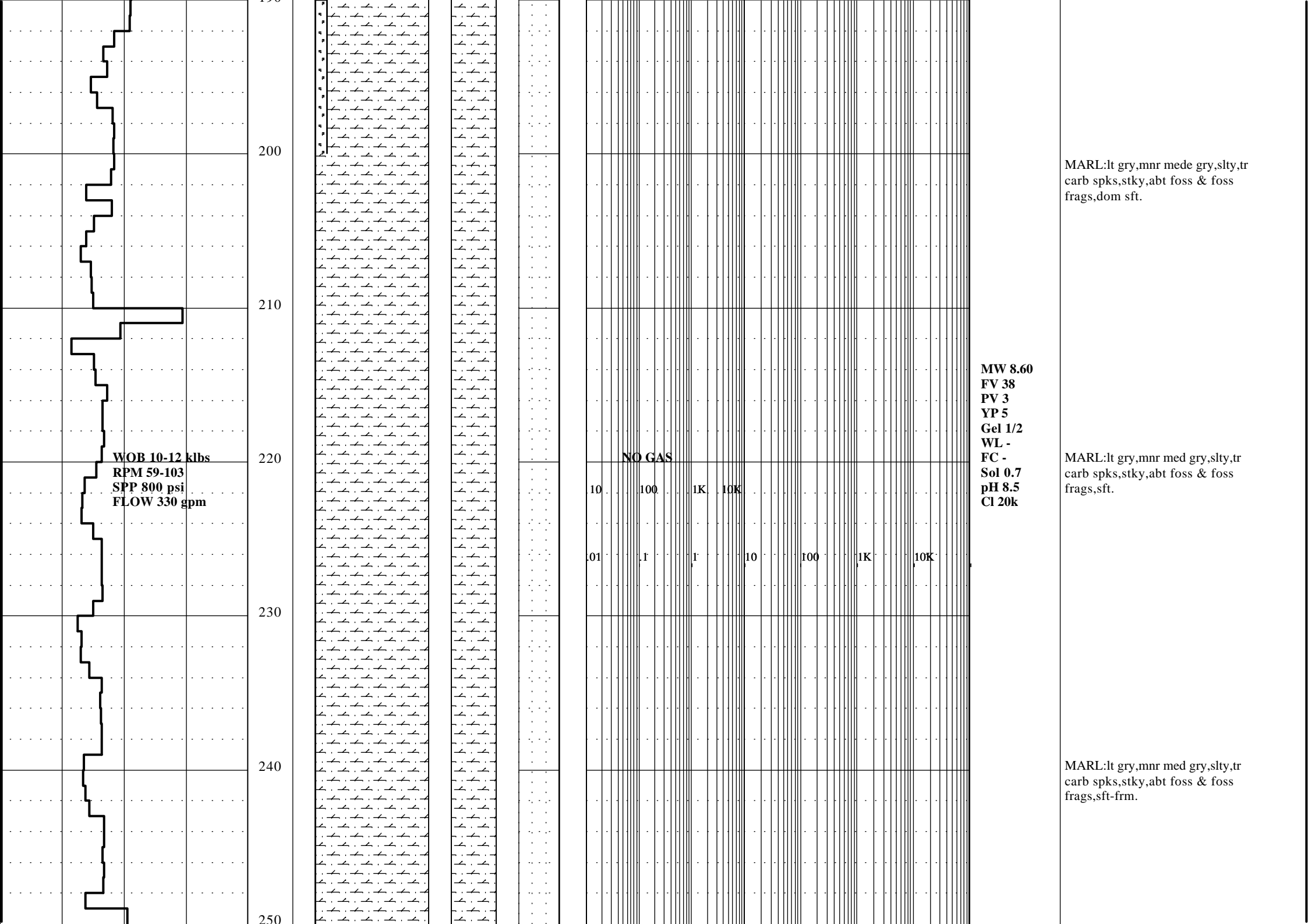
16" (406mm) CONDUCTOR
SET @ 61m

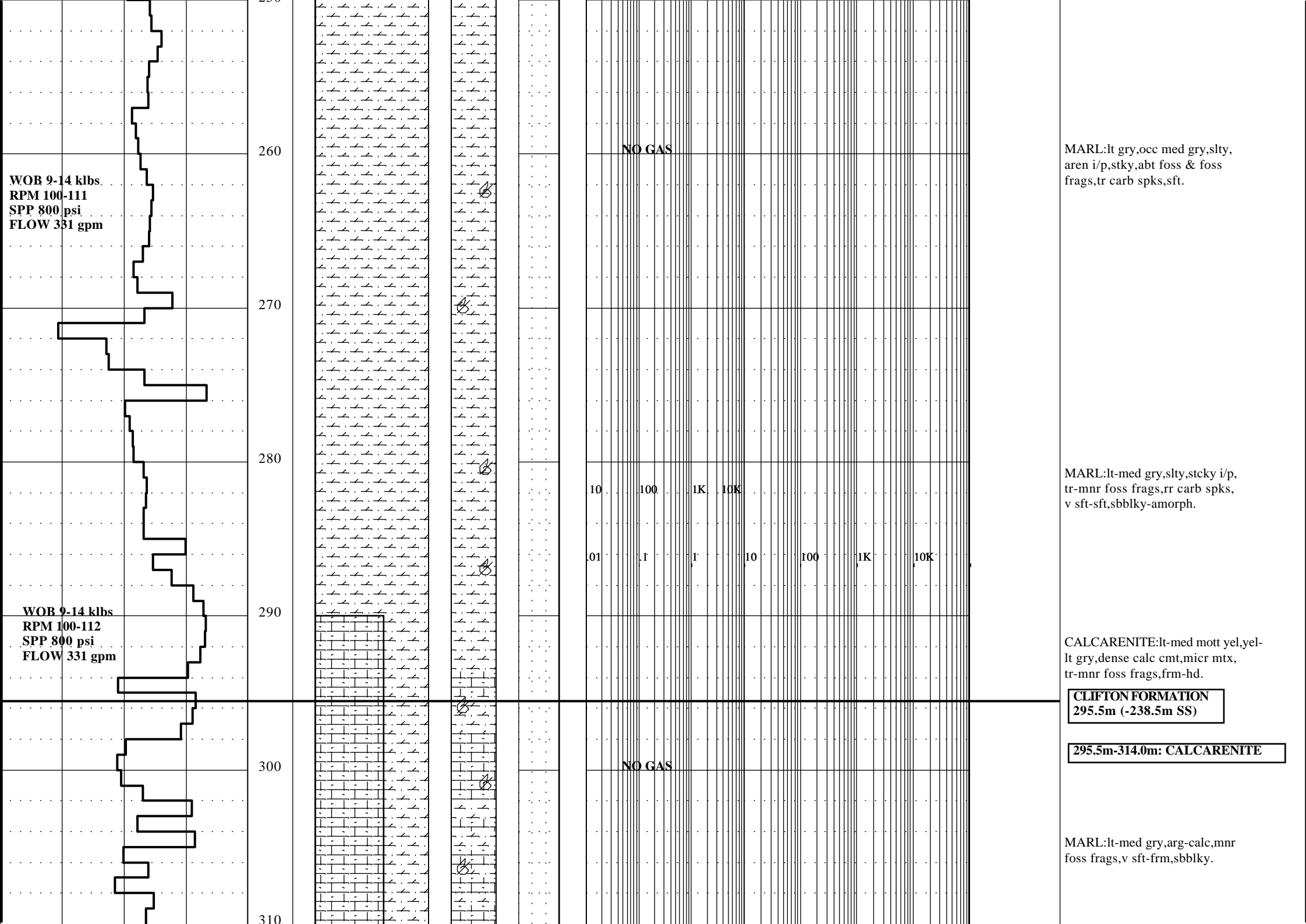
Bit #1 IRR 12.25" (445mm)
HTC M22
Jets: 3x18
In : 62m
Out: 153m
Run: 91m
Hrs: 2.3
Cond: 3-3--WT-A-E-1-NO-TD

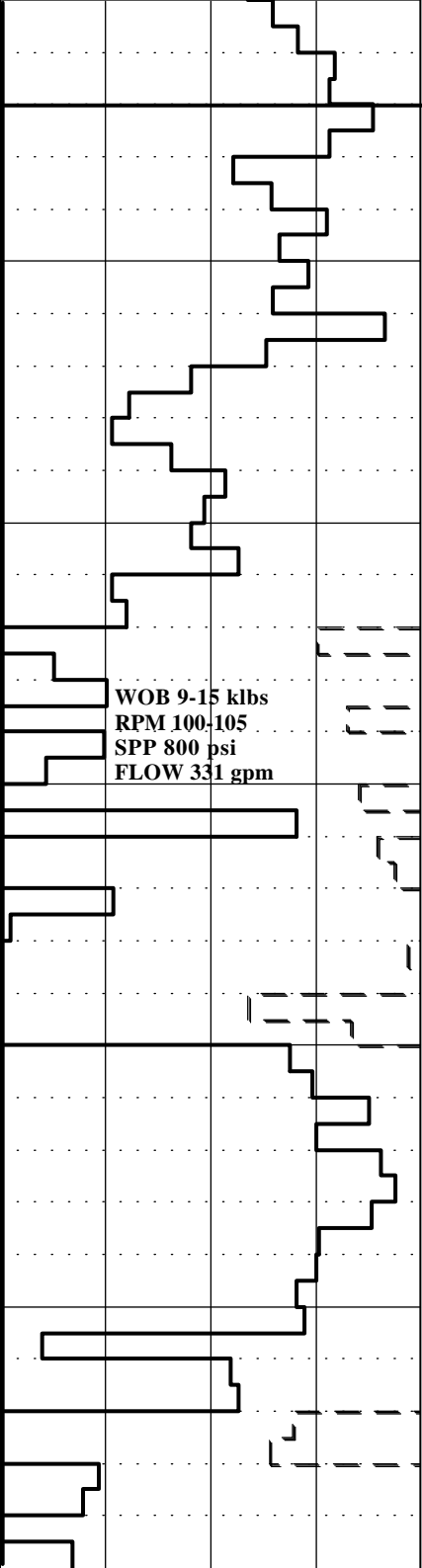
SURVEY
68m
1.5°



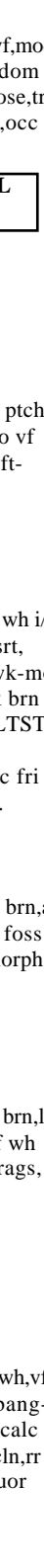
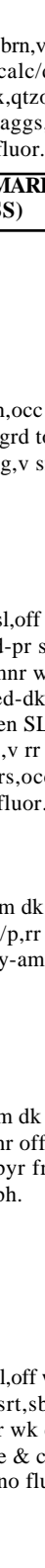
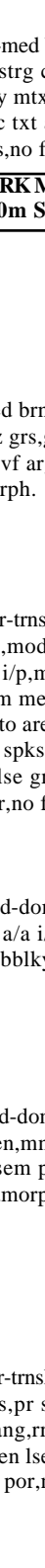
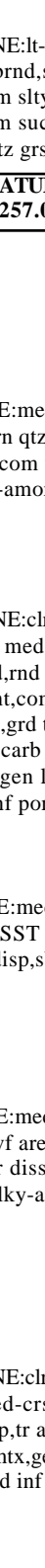
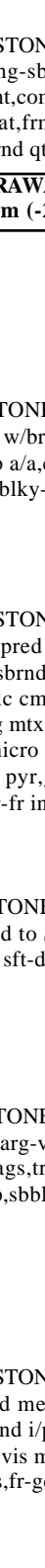
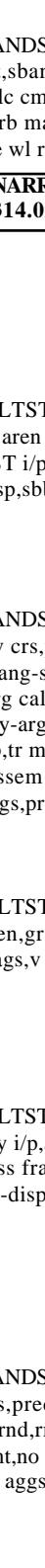
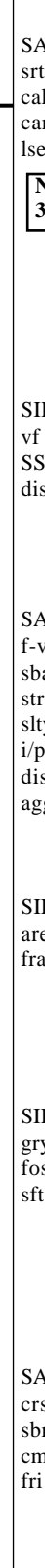
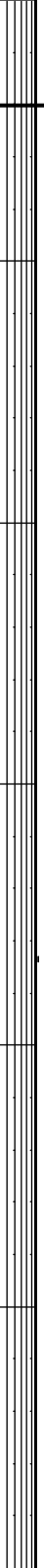
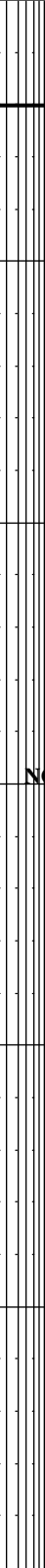
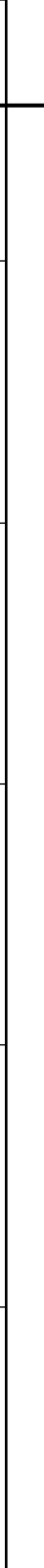
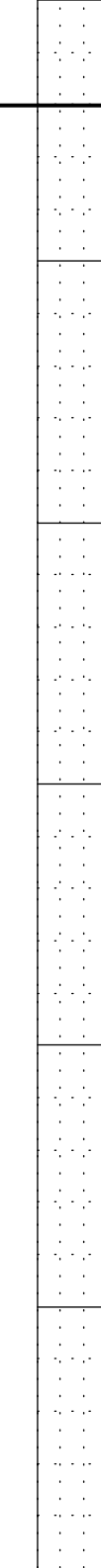
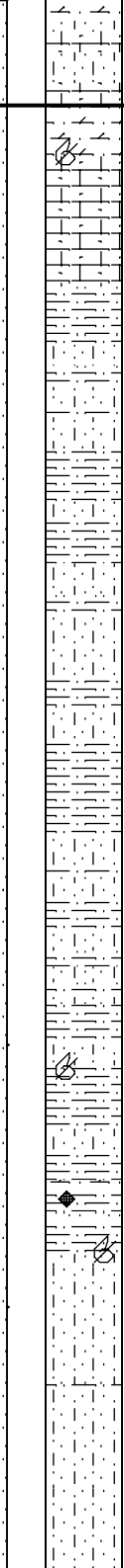
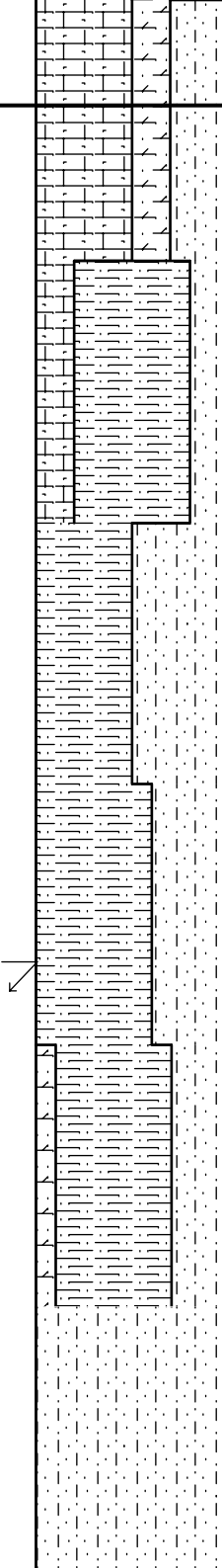








310
320
330
340
350
360
370



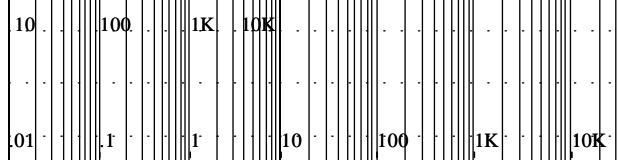
SANDSTONE:lt-med brn,vf,mod wl
srt,sbang-sbrnd,strg calc/dom
calc cmt,com slty mtz,qtzose,tr
carb mat,frm suc txt aggs,occ
lse wl rnd qtz grs,no fluor.

NARRAWATURK MARL
314.0m (-257.0m SS)

SILTSTONE:med brn,occ ptchy wh,
vf aren w/brn qtz grs,grd to vf
SST i/p a/a,com vf arg,v sft-
disp,sbblky-amorph.

SANDSTONE:clr-trnsl,off wh i/p,
f-v crs,pred med,mod-pr srt,
sbang-sbrnd,rnd i/p,mnr wk-mod
strg calc cmt,com med-dk brn
slty-arg mtz,grd to aren SLTST
i/p,tr micro carb spks,v rr
dissem pyr,gen lse grs,occ fri
aggs,pr-fr inf por,no fluor.

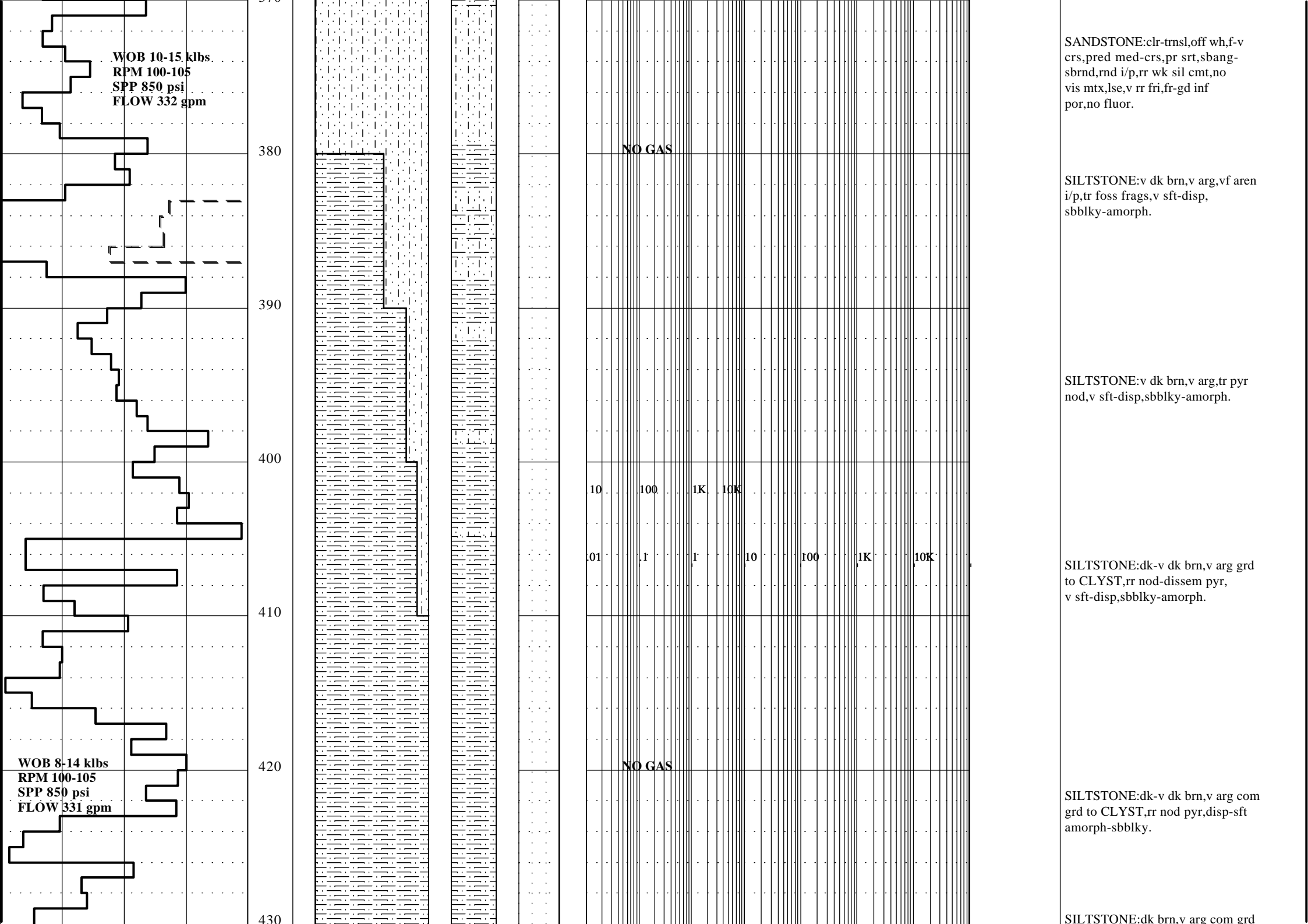
NO GAS

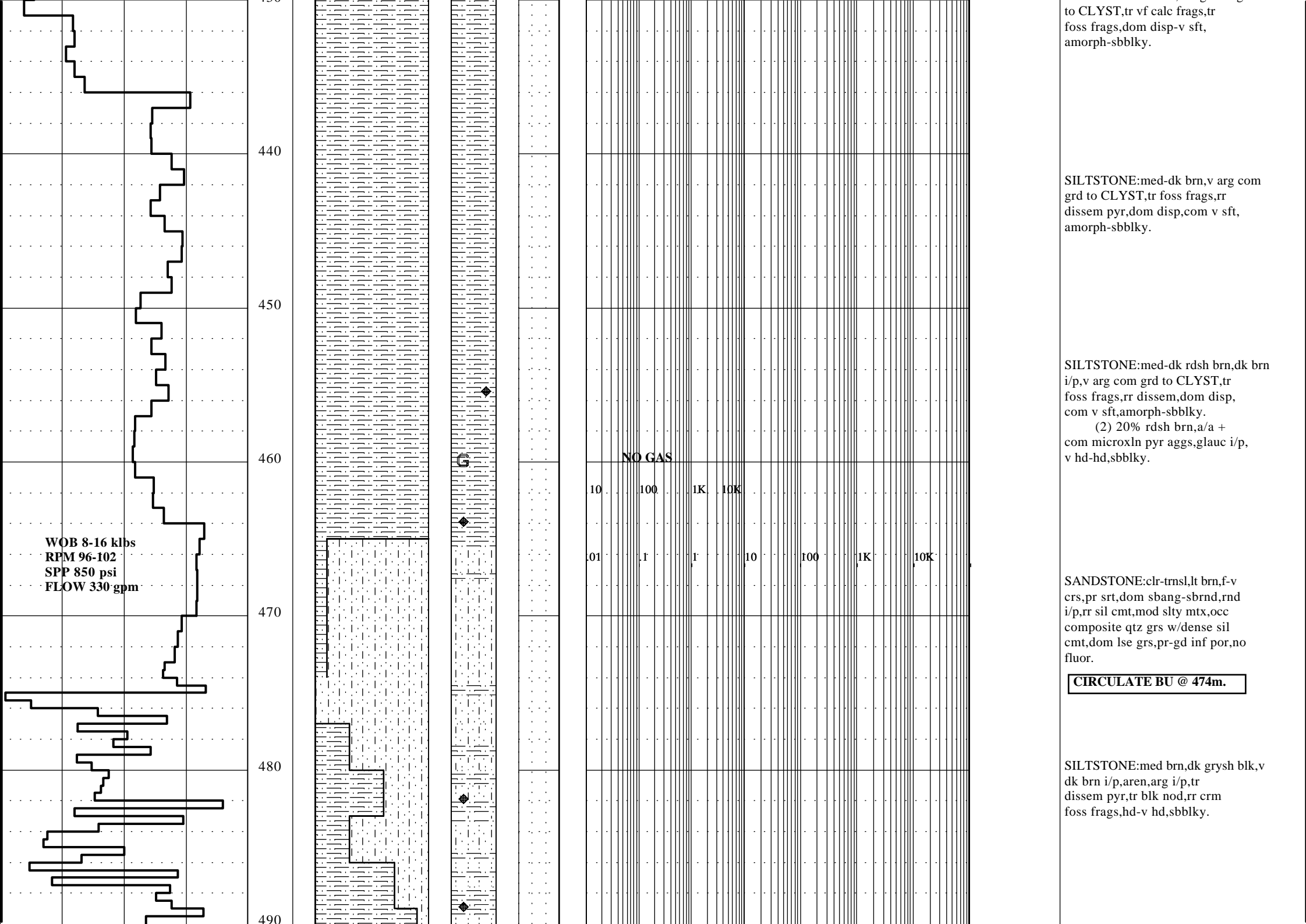


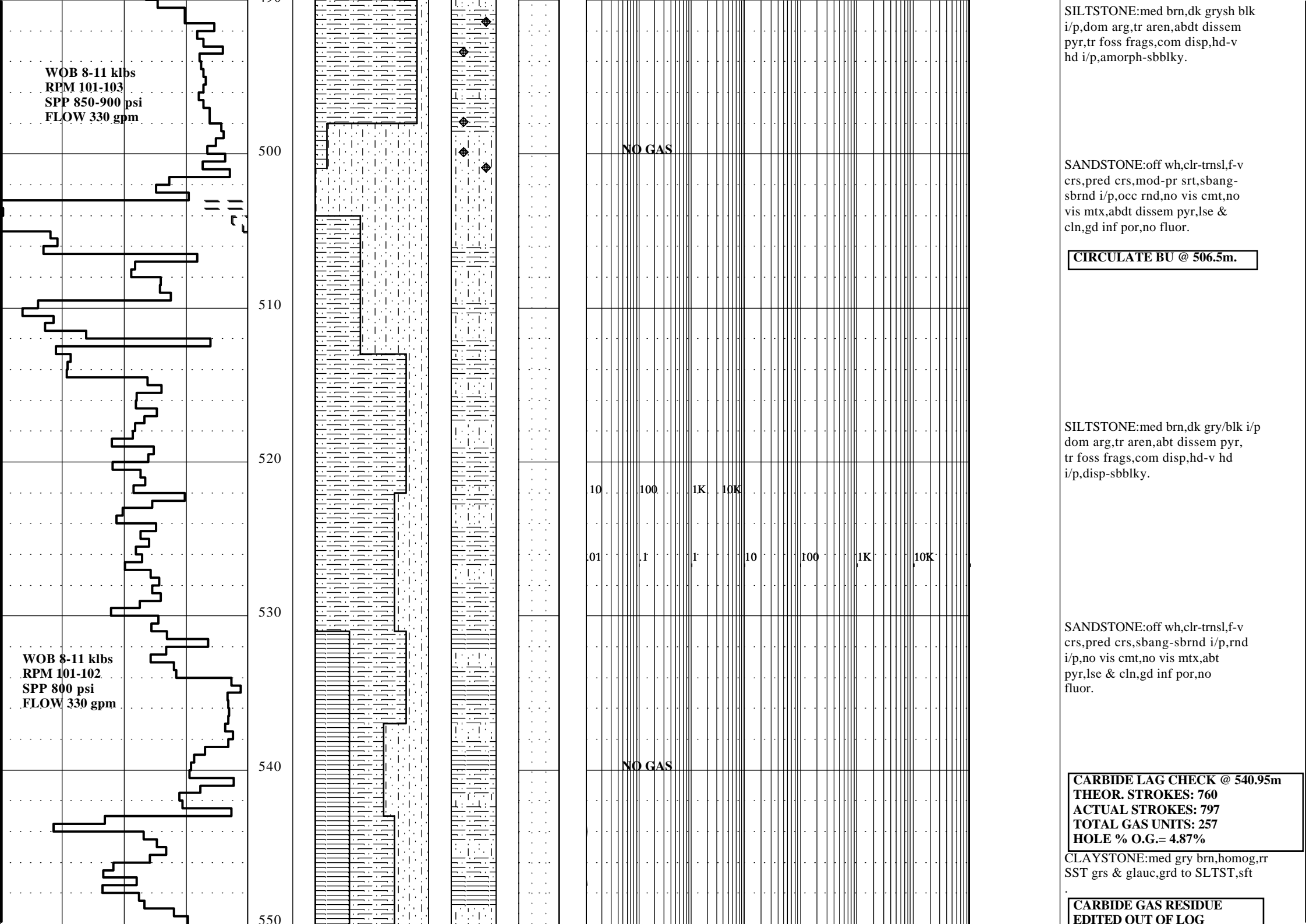
SURVEY
348m
1.5°

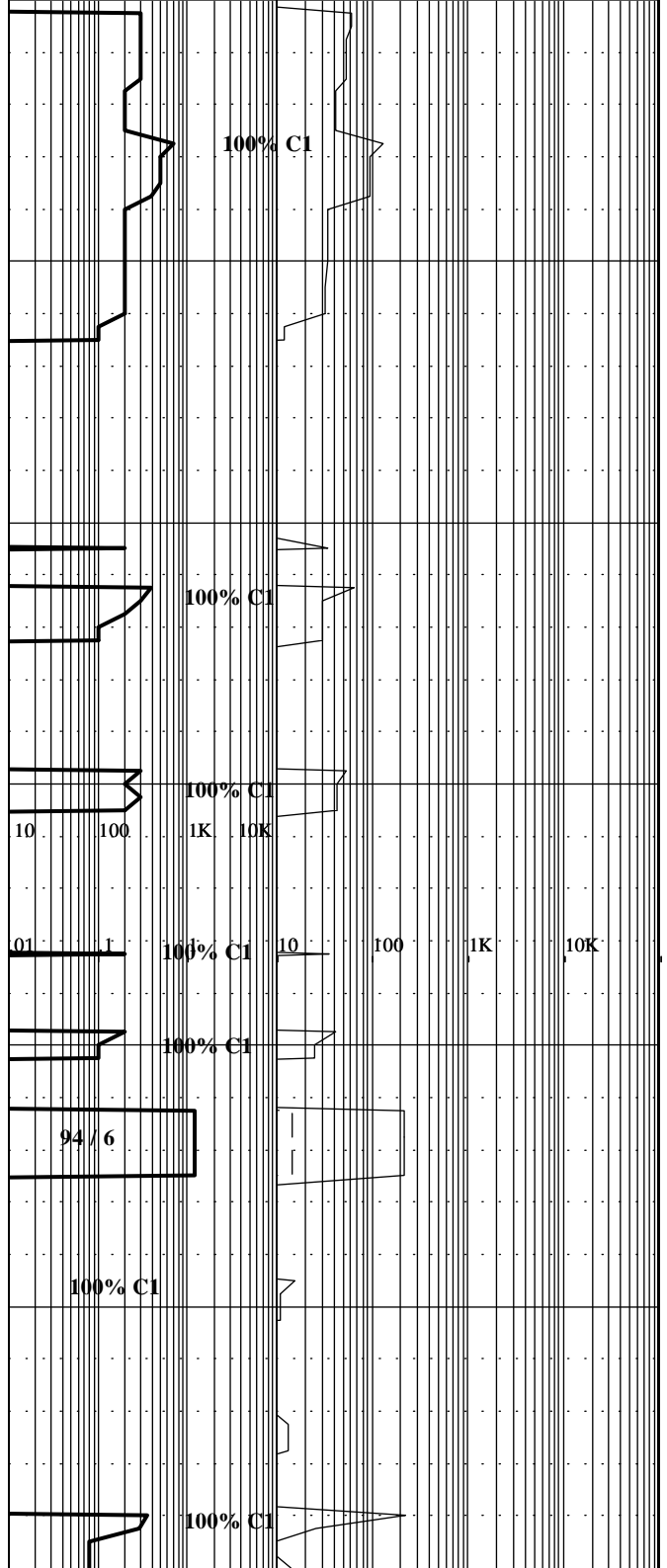
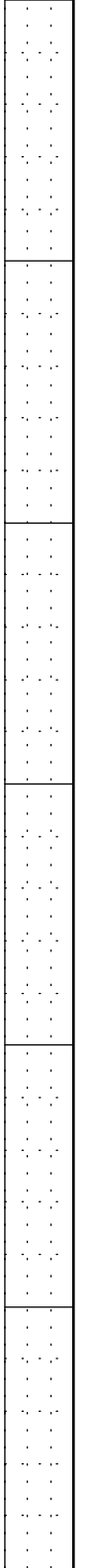
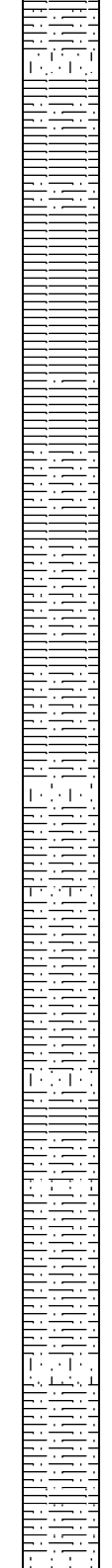
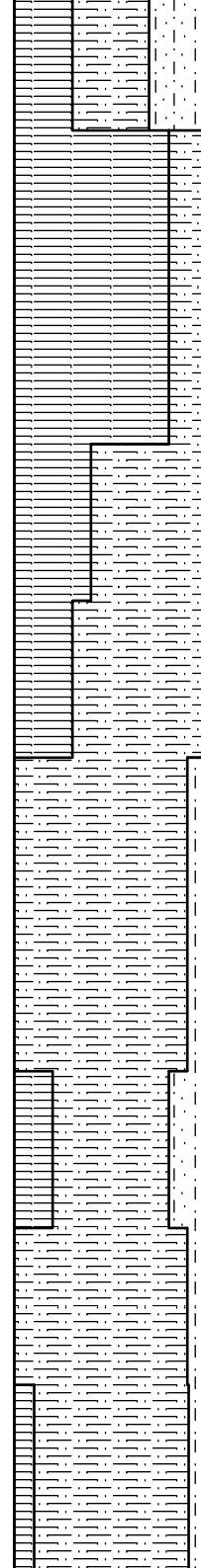
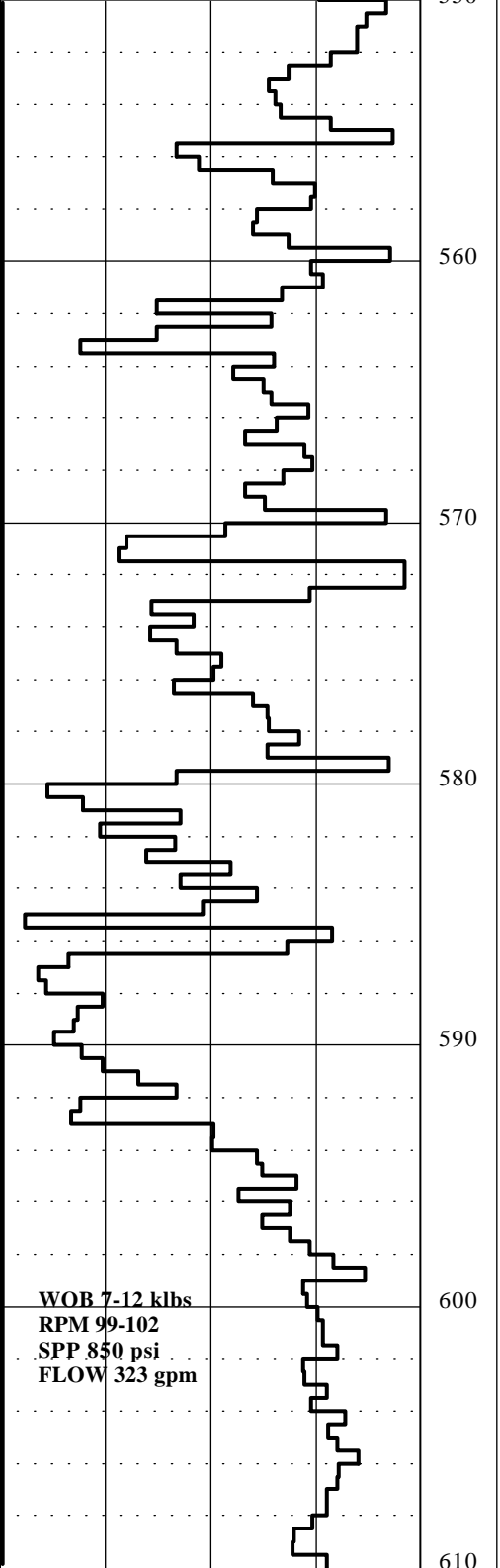
SILTSTONE:med-dom dk brn,lt-med
gry i/p,arg-vf aren,mnr off wh
foss frags,tr dissem pyr frags,
sft-disp,sbblky-amorph.

SANDSTONE:clr-trnsl,off wh,vf-v
crs,pred med-crs,pr srt,sbang-
sbrnd,rnd i/p,tr ang,rr wk calc
cmt,no vis mtz,gen lse & cln,rr
fri aggs,fr-gd inf por,no fluor









FROM 541m-600m.
NO CARBIDE GAS RESIDUE
DETECTED BELOW 600m.

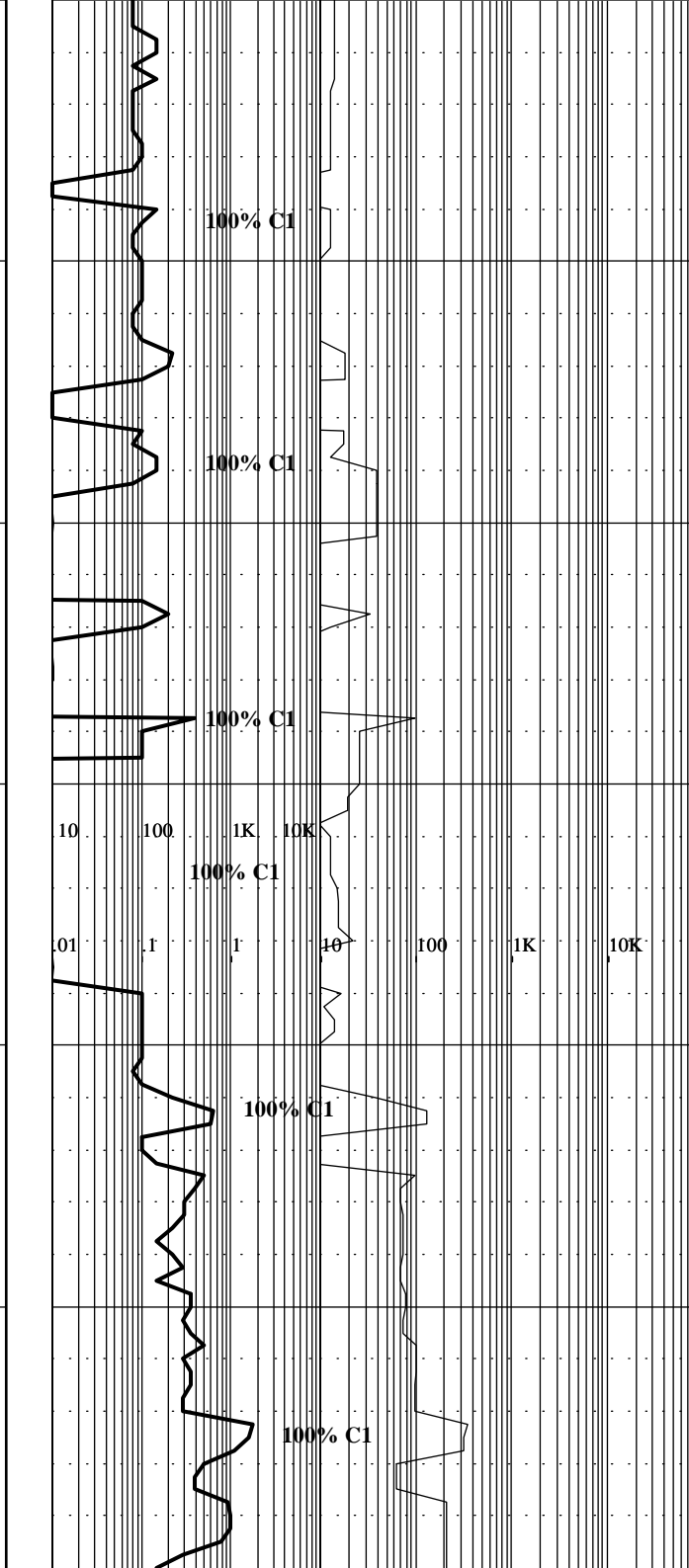
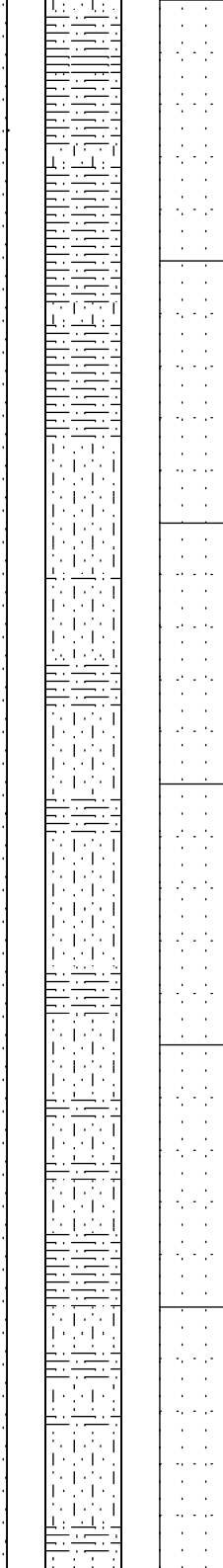
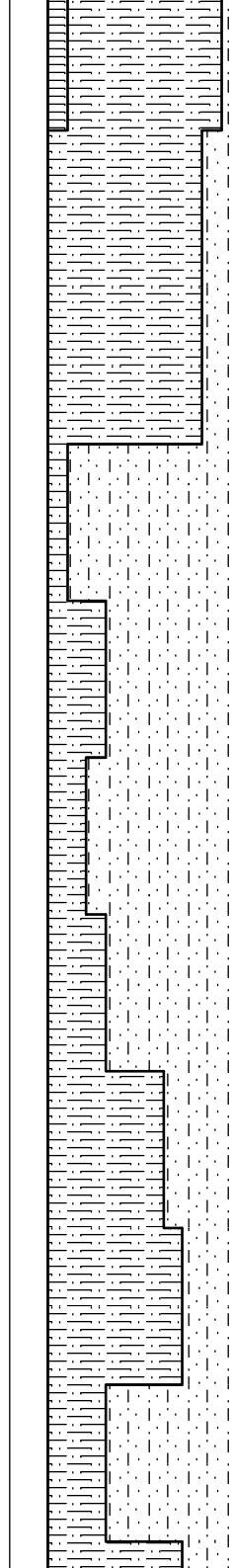
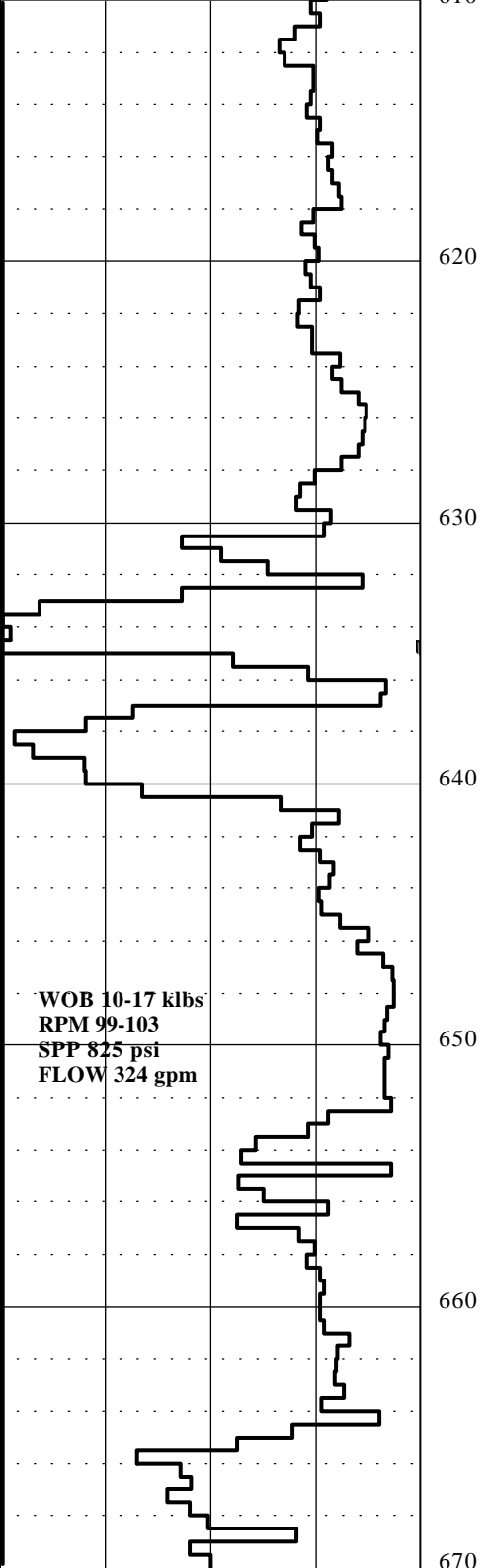
SILTSTONE:med brn/gry,occ med-dk gry,arg,aren i/p,com pyr,tr foss frags,mod hd-hd i/p,sbblky.

CLAYSTONE:med gry/brn,sft,rr aren,com glauc,grd to SLTST.

SANDSTONE:mott gry/brn,occ clr-trnsl,vf,mod-strg calc cmt,hd,no vis por,no fluor.

SURVEY
600m
1.0°

SILTSTONE:lt brn,aren,tr glauc,com pyr,mod hd-hd,sil,grd to CLYST.



MW 9.0
FV 39
PV 11
YP 15
Gel 2/4
WL -
FC -
Sol 3.5
pH 8.8
Cl 21k

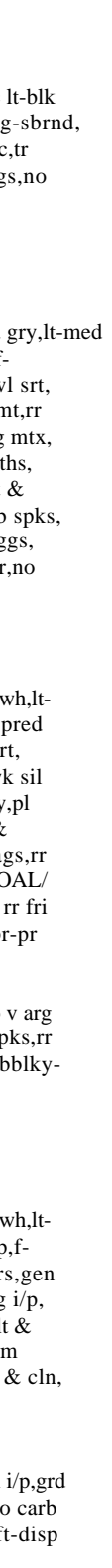
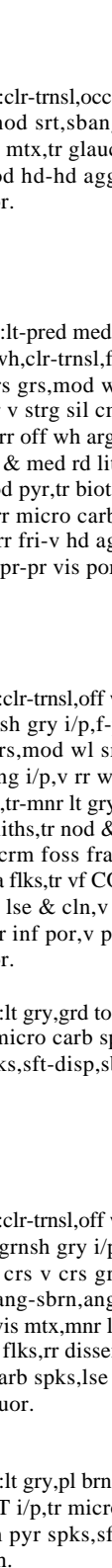
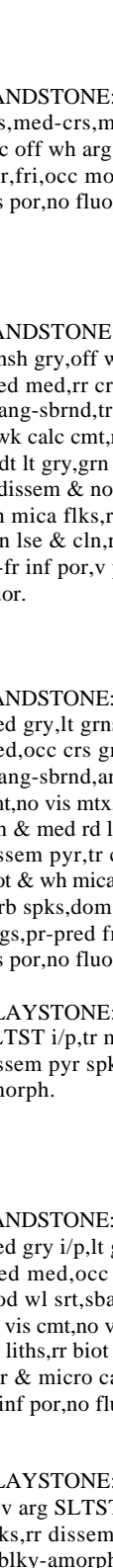
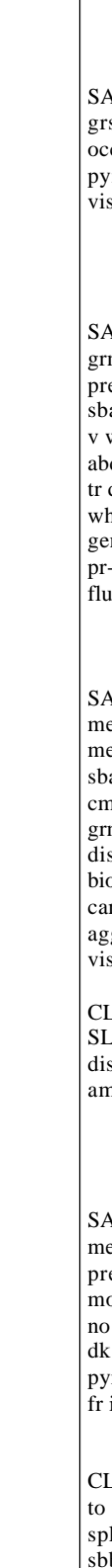
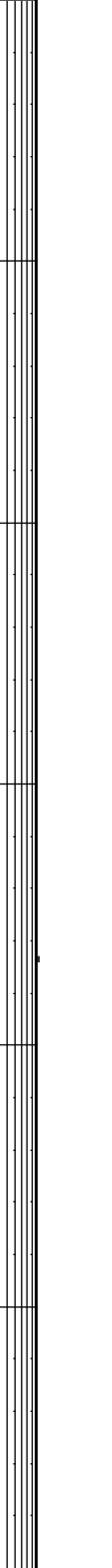
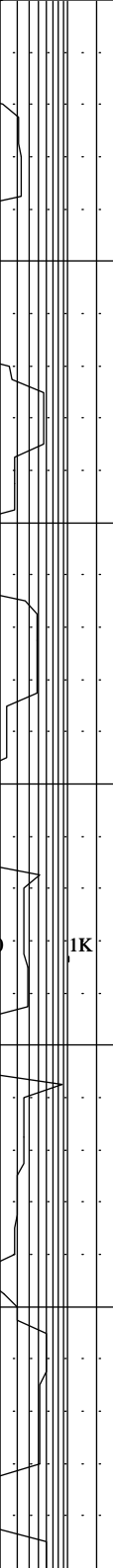
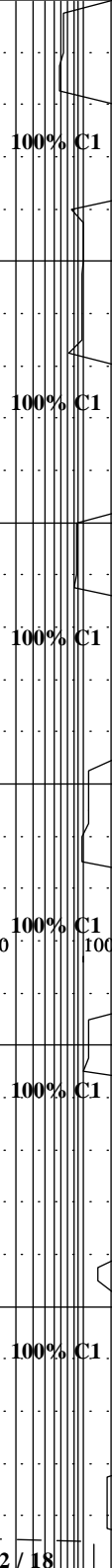
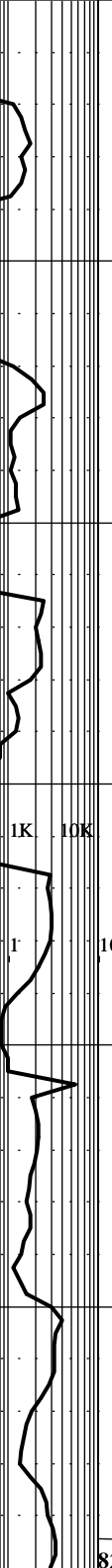
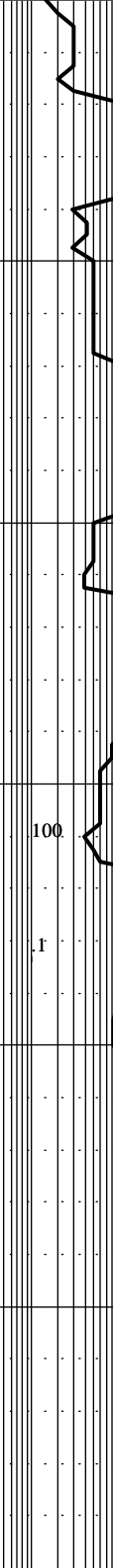
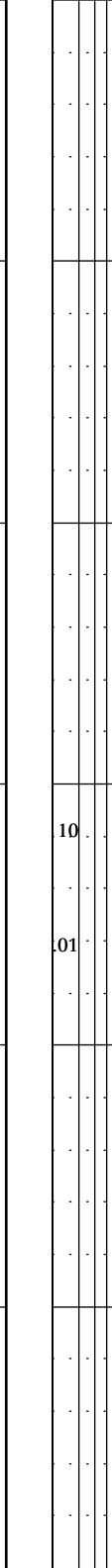
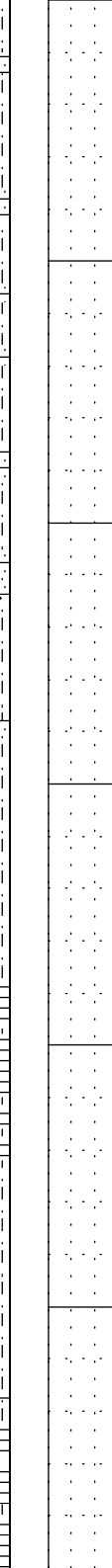
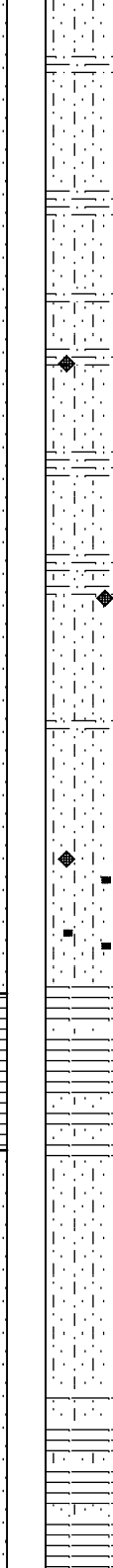
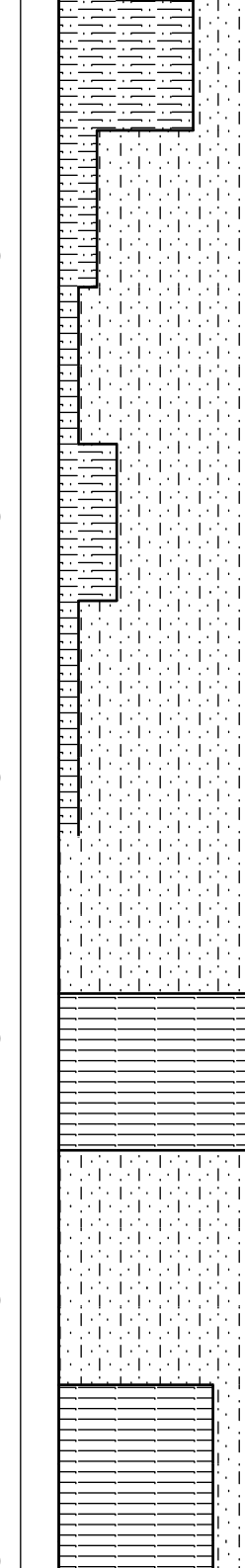
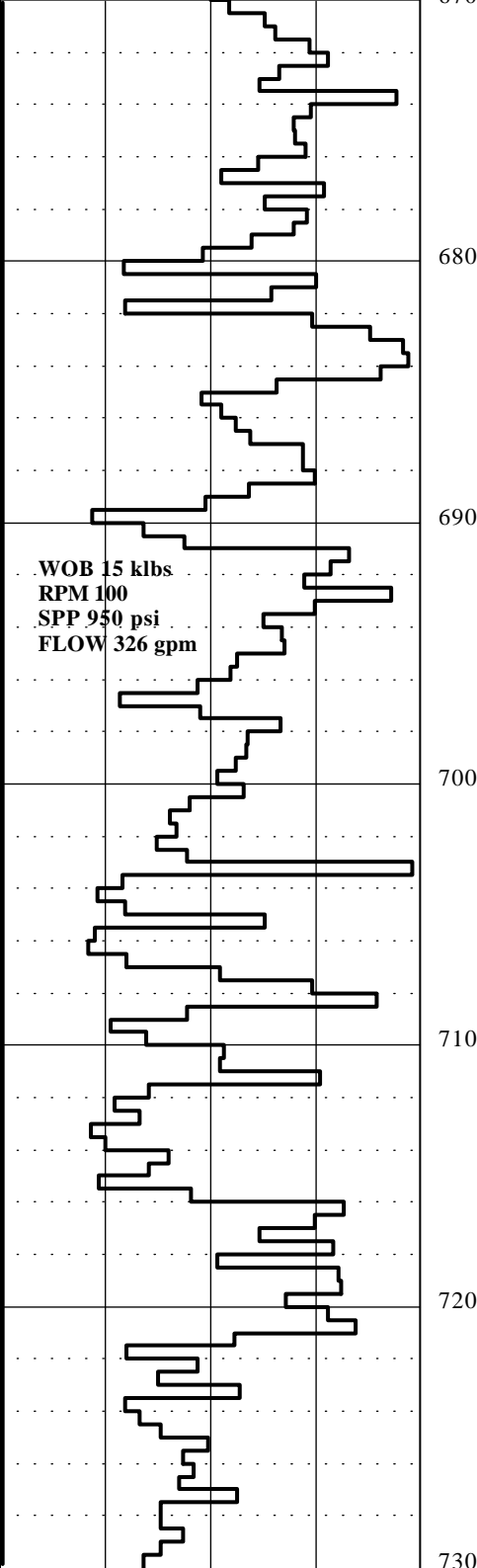
SILTSTONE:lt brn,aren,tr-com
glauc,tr pyr,mod hd-hd,sft i/p,
sil,grd to CLYST.

CIRCULATE BU @ 632m.

SANDSTONE:clr-trnsl,mott gry,grn
& org grs,dom crs,pr srt,ang-
sbrnd,occ wh-lt gry arg mtx,abt
glauc,tr carb incl,fri aggs,dom
lse,pr vis & inf por,no fluor.

SANDSTONE:dk gry/blk,occ clr-
trnsl grs,med-crs grs,mod srt,
sbang-sbrnd,occ dk gry/blk mtx,
com glauc,tr pyr,mod hd-hd aggs,
ti vis por,no fluor.

SILTSTONE:lt brn/gry,occ med gry
arg,aren i/p,tr glauc,tr pyr,tr
carb spks,sft-frm,blk-y-sbblky.



SANDSTONE:clr-trnsl,occ lt-blk
grs,med-crs,mod srt,sbang-sbrnd,
occ off wh arg mtx,tr glauc,tr
pyr,fri,occ mod hd-hd aggs,no
vis por,no fluor.

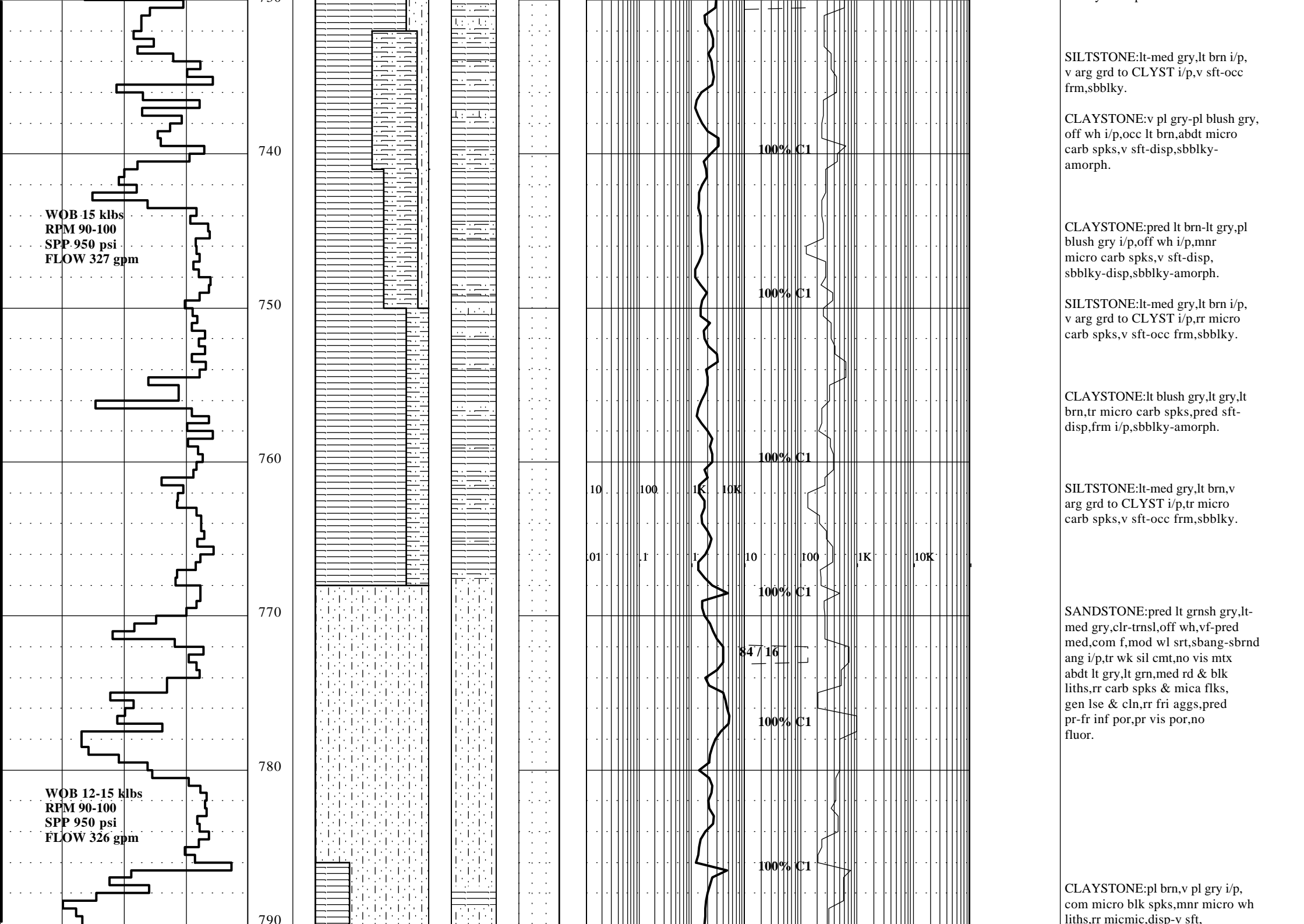
SANDSTONE:lt-pred med gry,lt-med
grnsh gry,off wh,clr-trnsl,f-
pred med,rr crs grs,mod wl srt,
sbang-sbrnd,tr v strg sil cmt,rr
v wk calc cmt,rr off wh arg mtx,
abdt lt gry,grn & med rd liths,
tr disse & nod pyr,tr biot &
wh mica flks,rr micro carb spks,
gen lse & cln,rr fri-v hd aggs,
pr-fr inf por,v pr-pr vis por,no
fluor.

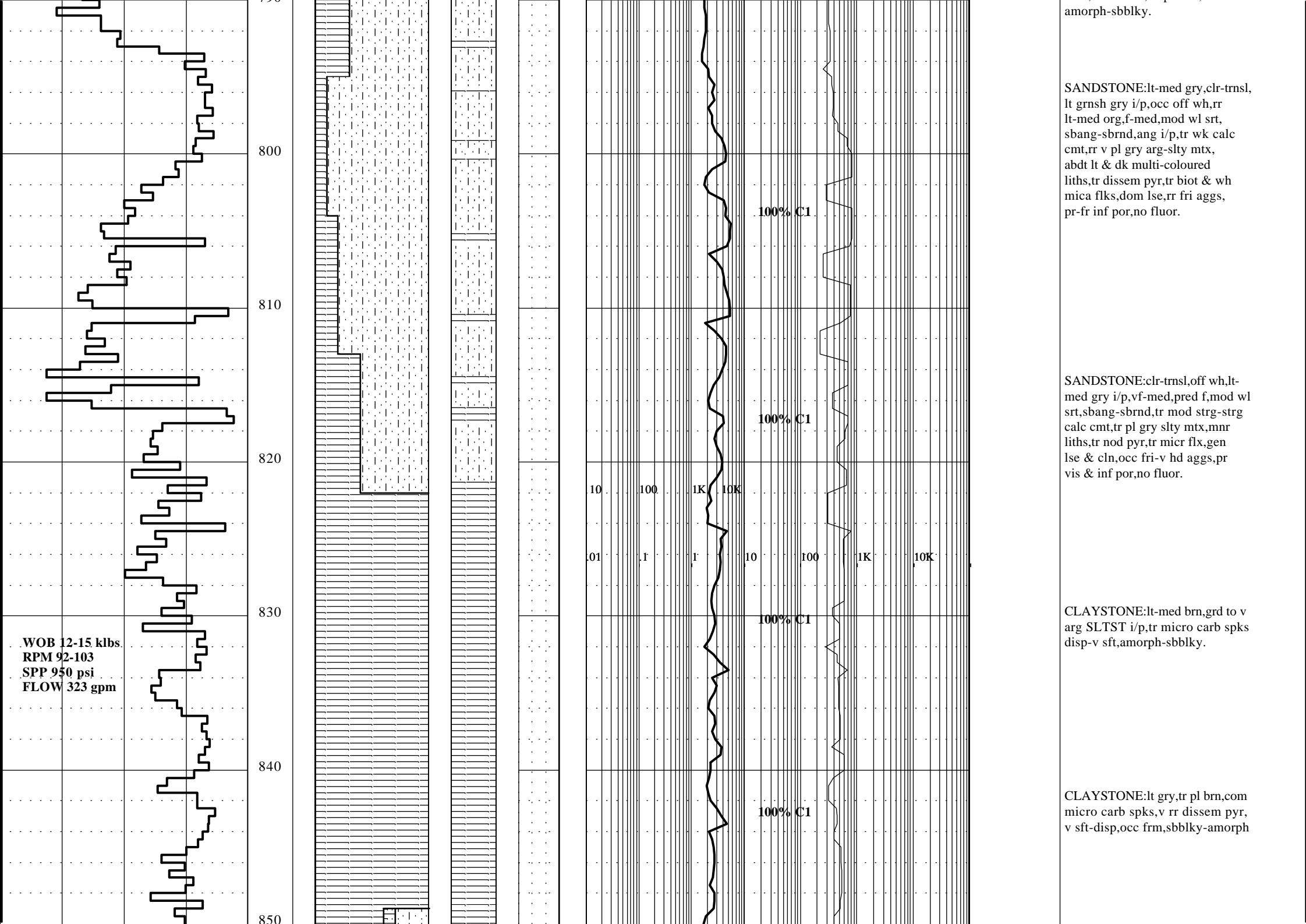
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med gry,lt grnsh gry i/p,f-pred
med,occ crs grs,mod wl srt,
sbang-sbrnd,ang i/p,v rr wk sil
cmt,no vis mtx,tr-mnr lt gry,pl
grn & med rd liths,tr nod &
dissem pyr,tr crm foss frags,rr
biot & wh mica flks,tr vf COAL/
carb spks,dom lse & cln,v rr fri
aggs,pr-pred fr inf por,v pr-pr
vis por,no fluor.

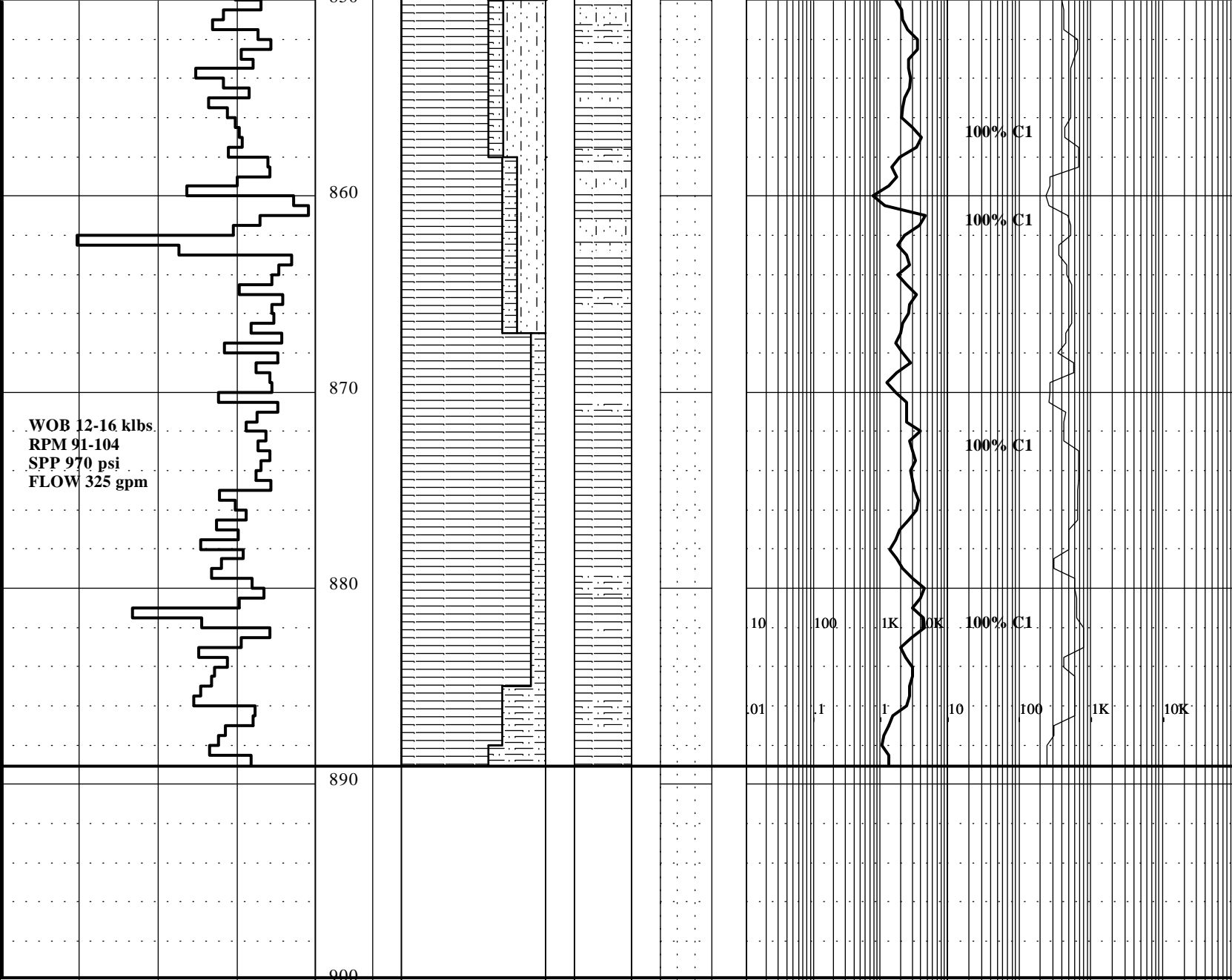
CLAYSTONE:lt gry,grd to v arg
SLTST i/p,tr micro carb spks,rr
dissem pyr spks,sft-disp,sbblky-
amorph.

SANDSTONE:clr-trnsl,off wh,lt-
med gry i/p,lt grnsh gry i/p,f-
pred med,occ crs v crs grs,gen
mod wl srt,sbang-sbrn,ang i/p,
no vis cmt,no vis mtx,mnr lt &
dk liths,rr biot flks,rr dissem
pyr & micro carb spks,lse & cln,
fr inf por,no fluor.

CLAYSTONE:lt gry,pl brn i/p,grd
to v arg SLTST i/p,tr micro carb
spks,rr dissem pyr spks,sft-disp
sbblky-amorph.







SANDSTONE:lt-med gry,off wh,vf, wl srt,sbang-sbrnd,strg-v strg calc cmt,com lt gry-off wh sil-arg mtx,abdt vf off wh blk & med rnd liths,tr biot flx,rr carb spks & incl,hd-pred v hd aggs,ti -v pr vis por,no fluor.

CLAYSTONE:pl gry,pl brn,off wh, tr carb spks,v sft-disp,sbblky-amorph.

CLAYSTONE:lt gry,pl brn,lt grnsh gry,grd to v arg SLTST i/p,com micro carb spks,sft-disp,sbblky-amorph.

SILTSTONE:lt gry,lt blush gry, lt-med brn,v arg grd to CLYST i/p,vf aren i/p,com micro liths, tr micro carb spks & vf lams,tr micmic,rr dissem pyr,sft-pred frm,occ mod hd,sbblky.

FINDRA #1 REACHED TD
889m @ 22:00 HRS ON 29-06-04.

DRILLER'S DEPTH: 889m
LOGGER'S DEPTH: 881m

RUN WIRELINE LOGS @ T.D
1. HALS-BHC-PEX-HNGS
2. MDT-GR