



Scale: 5" / 100'
Measured Depth Log

Well Name Schneider HD 11-142HC

Location SWSW SECTION 7, T4N, R66W

State COLORADO

County WELD

Country UNITED STATES

Rig Number PRECISION 460

API Number 05-123-46409-0000

AFE # 18DC0067

Geographic Region DJ BASIN

Field WATTENBERG

Spud Date 5/24/2018

Drilling Completed 5/26/2018

Surface Coordinates SWSW Section 7, T4N, R66W
1847' FSL x 922' FWL

Bottom Hole Coordinates SWSW Section 11, T4N, R66W
1977' FNL x 370' FWL

Ground Elevation 4736'

K.B. Elevation 4756'

Logged Interval 6000 To 17814'

Total Depth 11814'

Formation CODELL

Type of Drilling Fluid OIL BASED MUD

Operator

Company Great Western Oil and Gas

Address 1801 Broadway, Ste 500
Denver, CO 80202



Geologist

Name Joey Luce, Tim Bright and Gabriel Rubio

Company Terra Guidance

Address 1298 O Road
Loma CO 81524
(970) 260-5408



Color Coding

Oil

Note

Error

Condensate

Core

Water

Gas

Pressure

Seal

Rock Types

LIMESTONE

Chalk

Marl

SHALE

Silty Shale

Shaly Siltstone

Silty Sandstone

SILTSTONE

SANDSTONE

BENTONITE

CEMENT

UNKNOWN

ANHYDRITE

GYPSUM

SALT

SIDERITE or LIMONITE

DOLOMITE

CHERT

COAL

MARLSTONE

CLAYSTONE

SHALE GRAY

SHALE COLORED

CONGLOMERATE

BRECCIA

TILL

TUFF

IGNEOUS

METAMORPHIC

CALCARIOUS SHALE

Accessories

F FOSSIL

GASTROPOD

ALGAE

AMPHIPORA

BELEMNITE

BIOCLASTIC

BRACHIOPOD

BRYOZOA

CEPHALOPOD

CORAL

CRINOID

ECHINOID

FISH

FORAMINIFERA

ARGILLACEOUS

ARGILLITE GRAIN

B BENTONITE

BITUMENOUS SUBSTANCE

BRECCIA FRAGMENTS

CALCAREOUS

CARBONACEOUS FLAKES

CHTDK

CHTLT

COAL - THIN BEDS

DOLOMITIC

FELDSPAR

FERRUGINOUS PELLET

FERRUGINOUS

GLAUCONITE

GYPSIFEROUS

HEAVY MINERAL

KAOLIN

MARLSTONE

MINERAL CRYSTALS

NODULES

PHOSPHATE PELLETS

PYRITE

SALT CAST

SANDY

SILICEOUS

SILTY

TUFFACEOUS

Stringer

ANHYDRITE STRINGER

BENTONITE STRINGER

COAL STRINGER

DOLOMITE STRINGER

GYPSUM STRINGER

LIMESTONE STRINGER

MARLSTONE (CALC) STRG

MARLSTONE (DOL) STRG

SANDSTONE STRINGER

SHALE STRINGER

SILTSTONE STRINGER

Oil

O ORGANIC

P PINPOINT

GAS

Oil Show

DEAD

VUGGY

EVEN

NOR

QUESTIONABLE

Engineering

SPOTTED STAINING

BIT

OVER

CASING

REV

CONNECTION (LEFT)

SIDE

CONNECTION (RIGHT)

SIDE

FENESTRAL

CONNECTION GAS

SLID

F FRACTURE

CORE - LOST

SL

INTERCRYSTALLINE

CORE - RECOVERED

TR

INTEROOLITIC

DST INTERVAL

WIR

MOLDIC

FAULT

WIR

Other Symbols

FORMATION TOP L LITHOGRAPHIC

Rounding

SHOW MX MICROXLN

PTH MN DEPTH A ANGULAR MS MUDSTONE

RMAL FAULT R ROUNDED PS PACKSTONE

SHOW B SUBANG WS WACKSTONE

RTURNED STRATA P SUBRND

Sorting

VERSE FAULT

Textures

EWALL CORE (LEFT) M MODERATE

EWALL CORE (RIGHT) BS BOUNDSTONE P POOR

C CHALKY W WELL

RVRY CX CRYPTOXLN

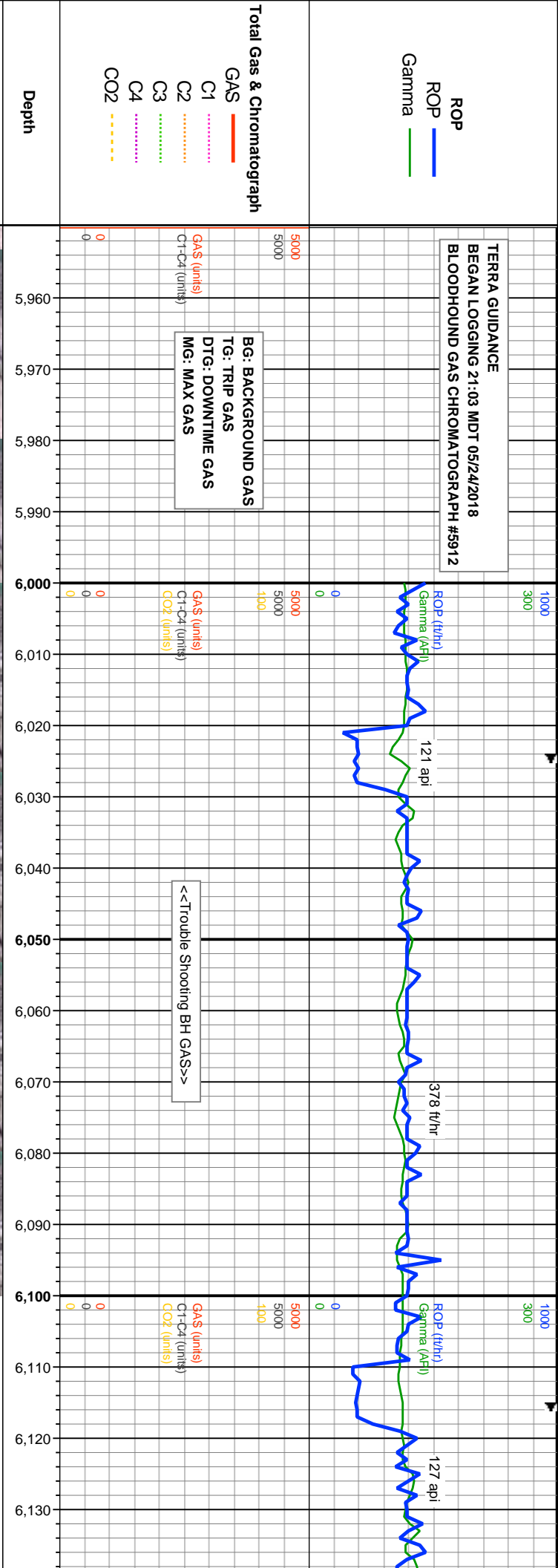
CALCARIUOS SHALE

IP GAS E EARTHY

ELINE TESTED - LEFT FX FINELYXLN

CALCARIOUS SHALE

ELINE TESTED - RT BS GRAINSTONE



% Lithology			
Images			
% Lithology			
Well Bore			

5800

5800'-9000'

MD: 5,998'
INC: 29.99°
AZM: 323.85°
TVD: 5,841.54'
VS: 467.86'

Bit #: 2
Size: 8.5"
Make: Ulterra
Model: SPL516
Depth In: 1,572'
Jets: 8x13
S/N: 40044

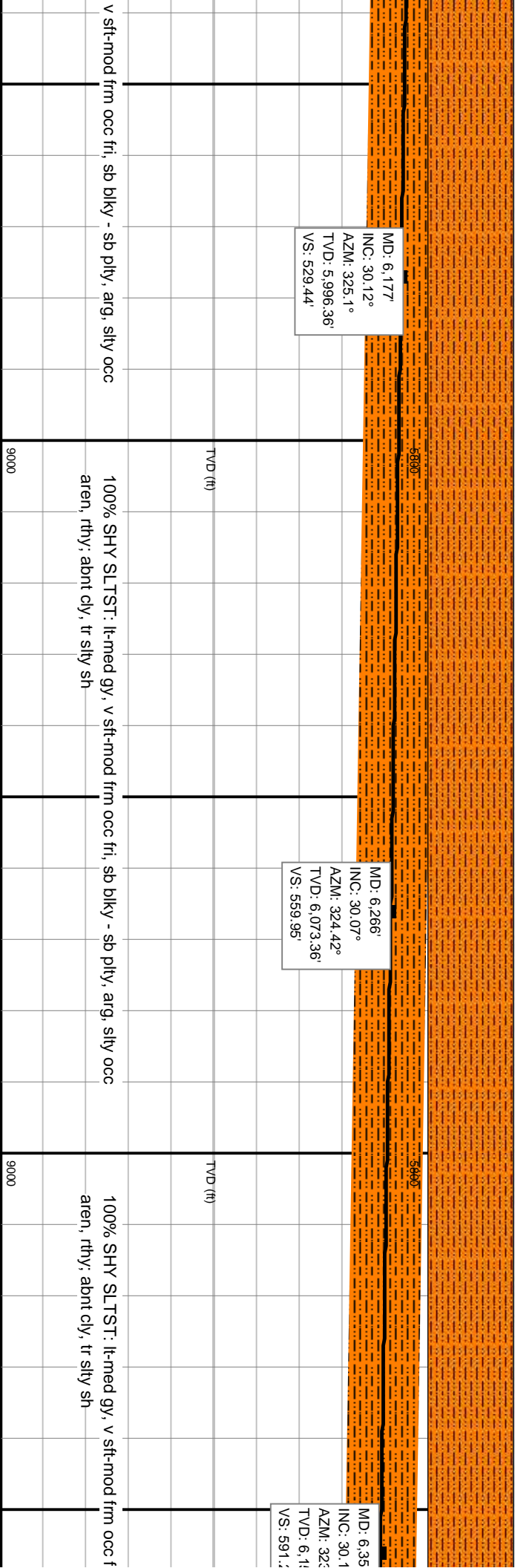
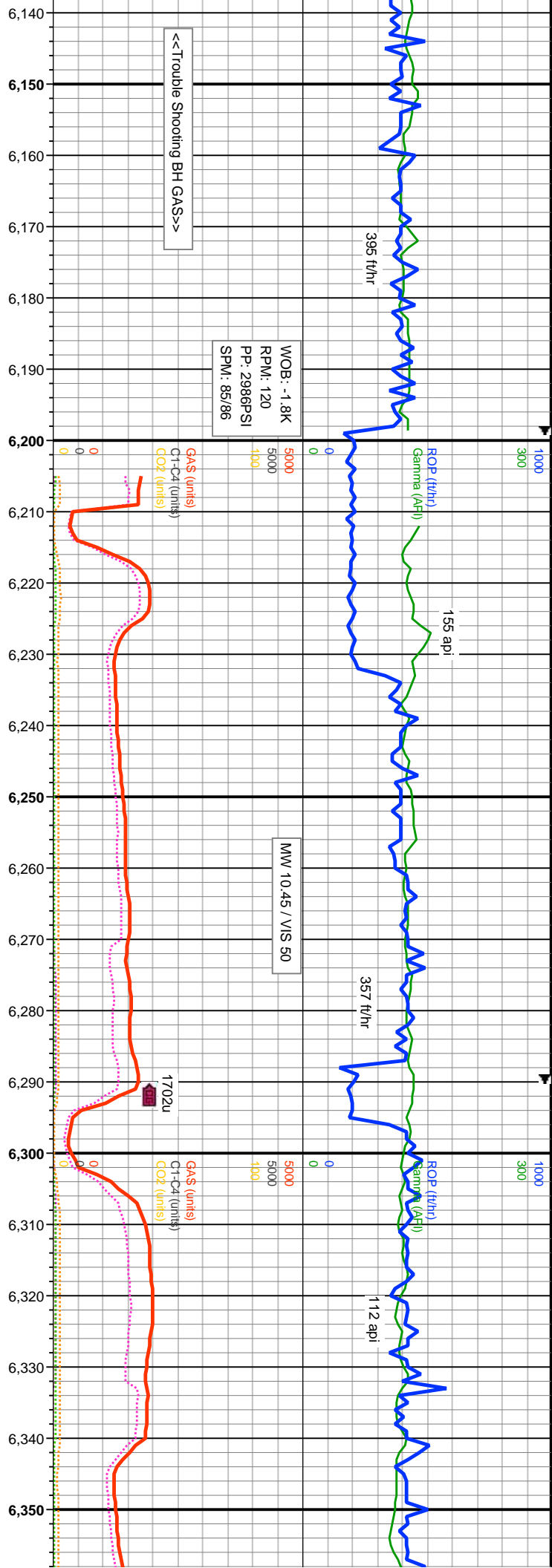
5800

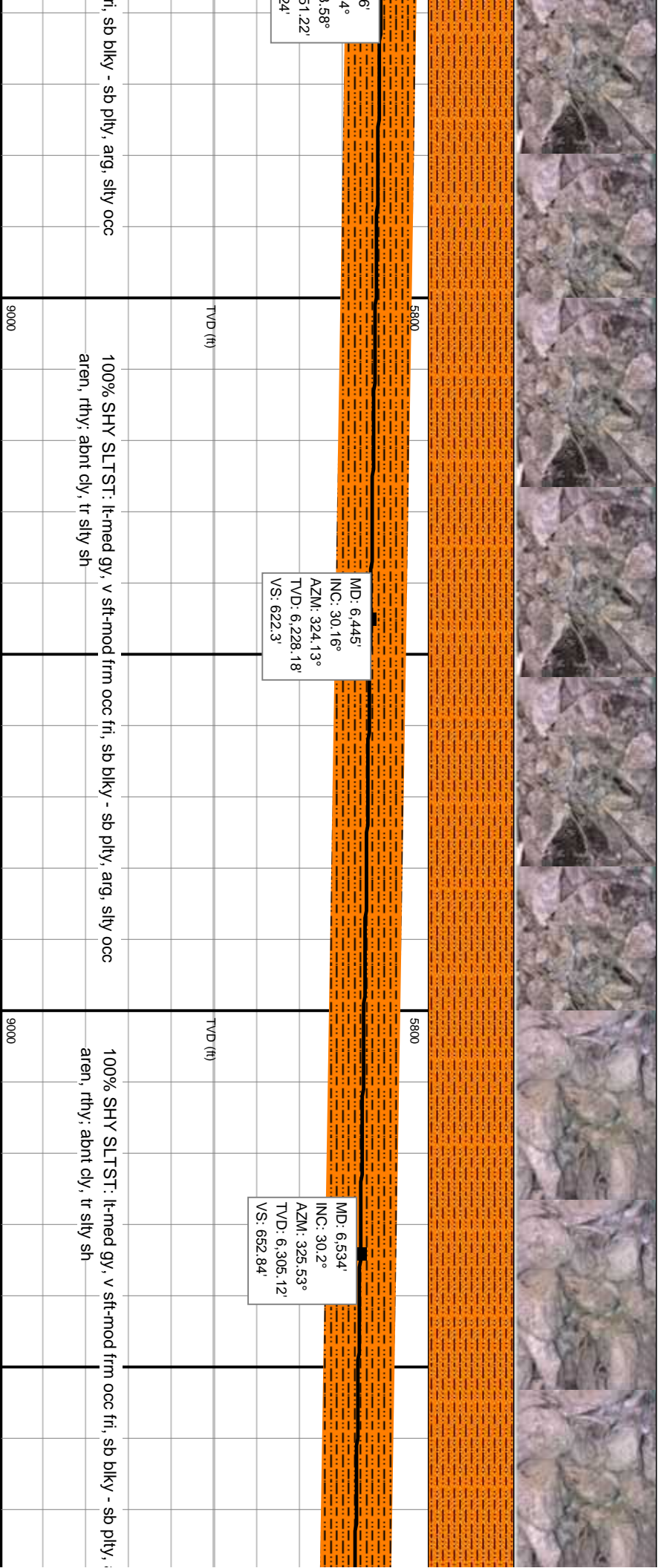
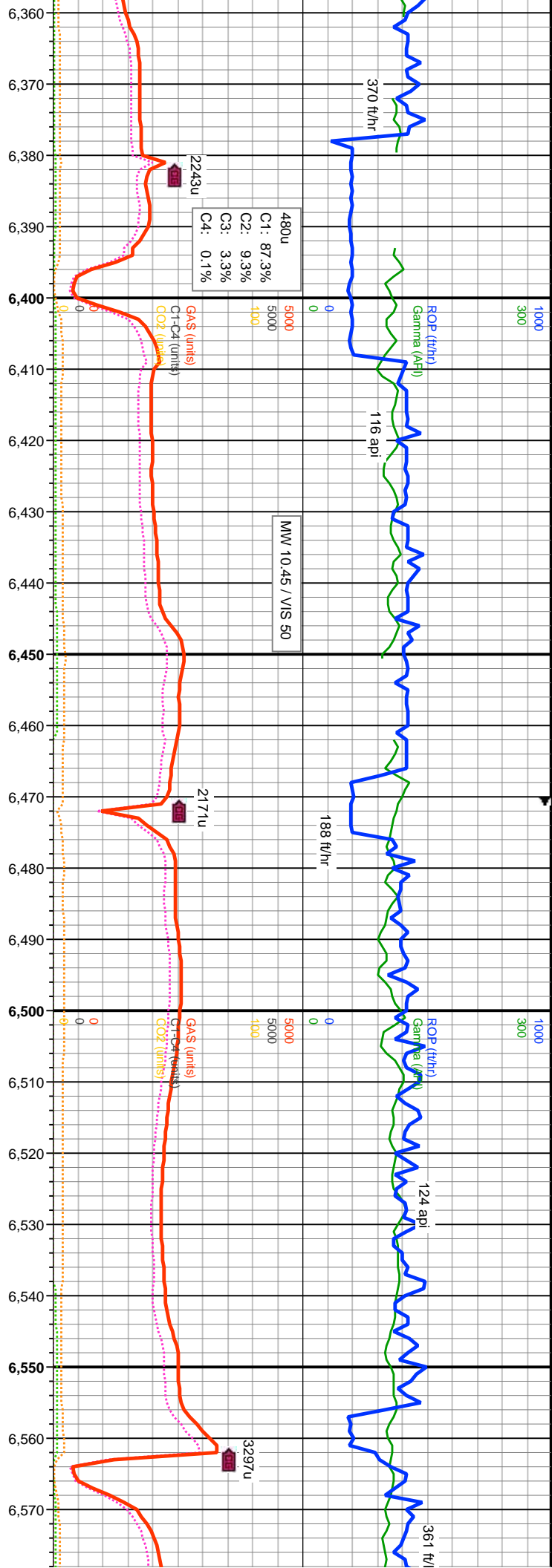
5800

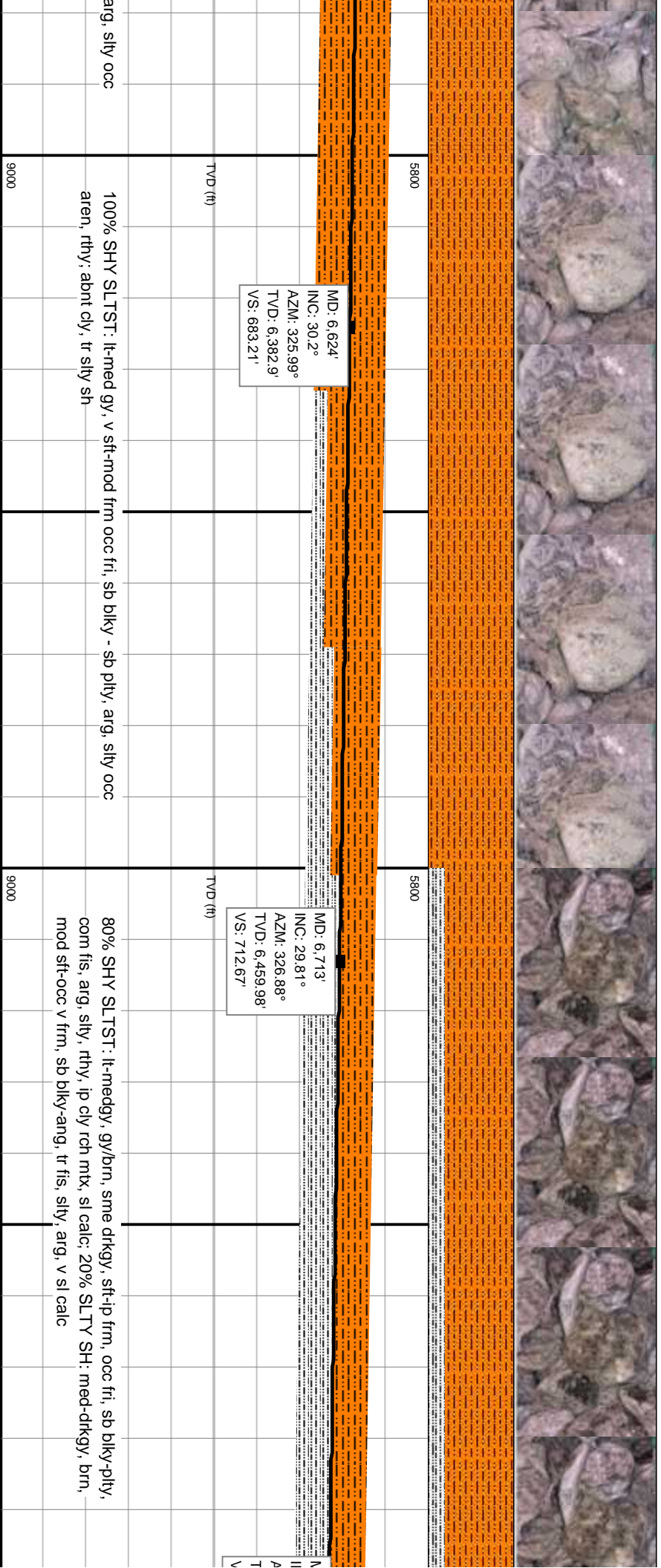
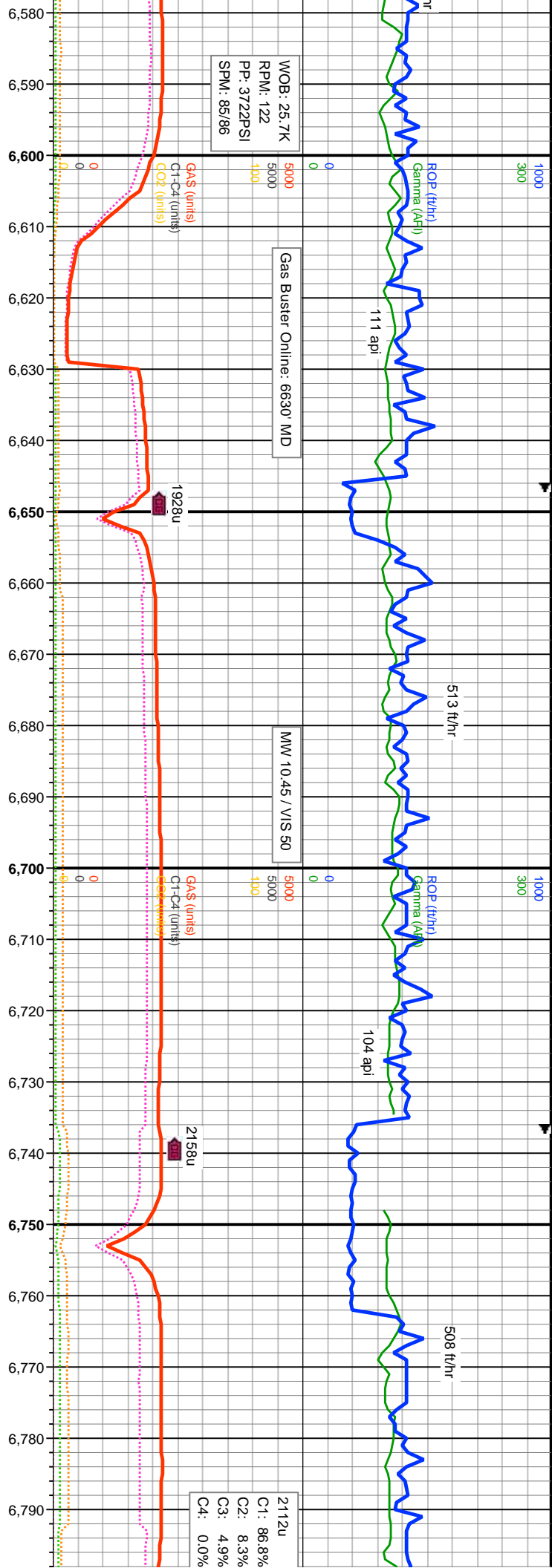
MD: 6,087'
INC: 30.2°
AZM: 324.73°
TVD: 5,918.54'
VS: 498.62'

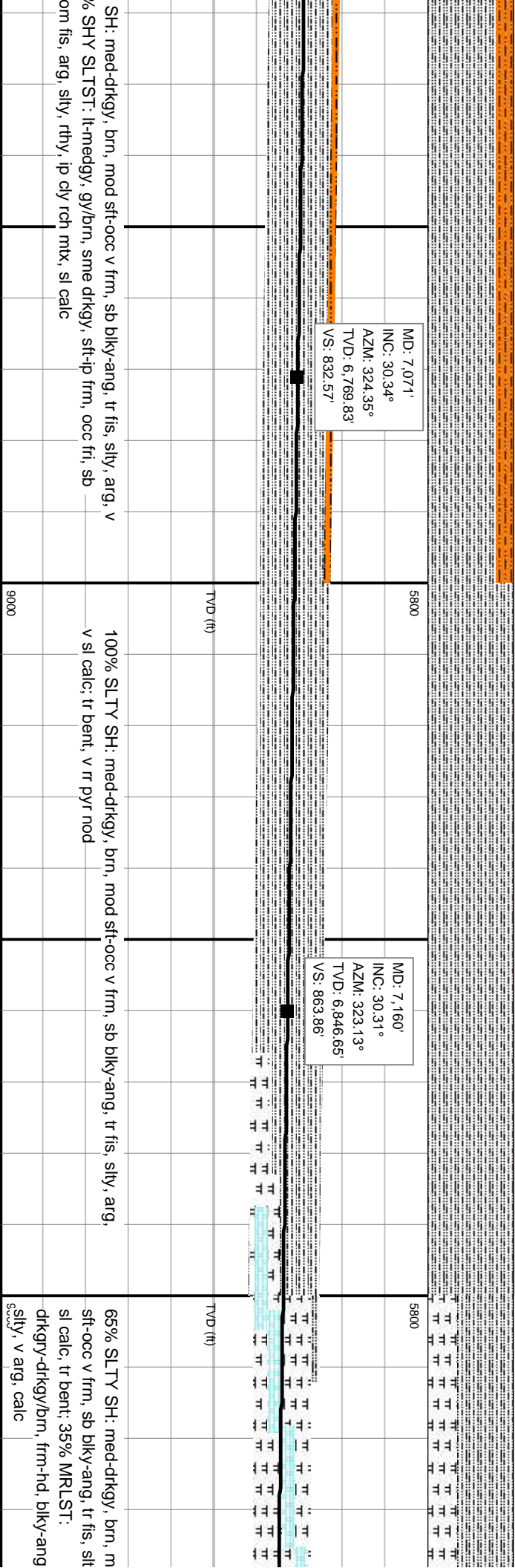
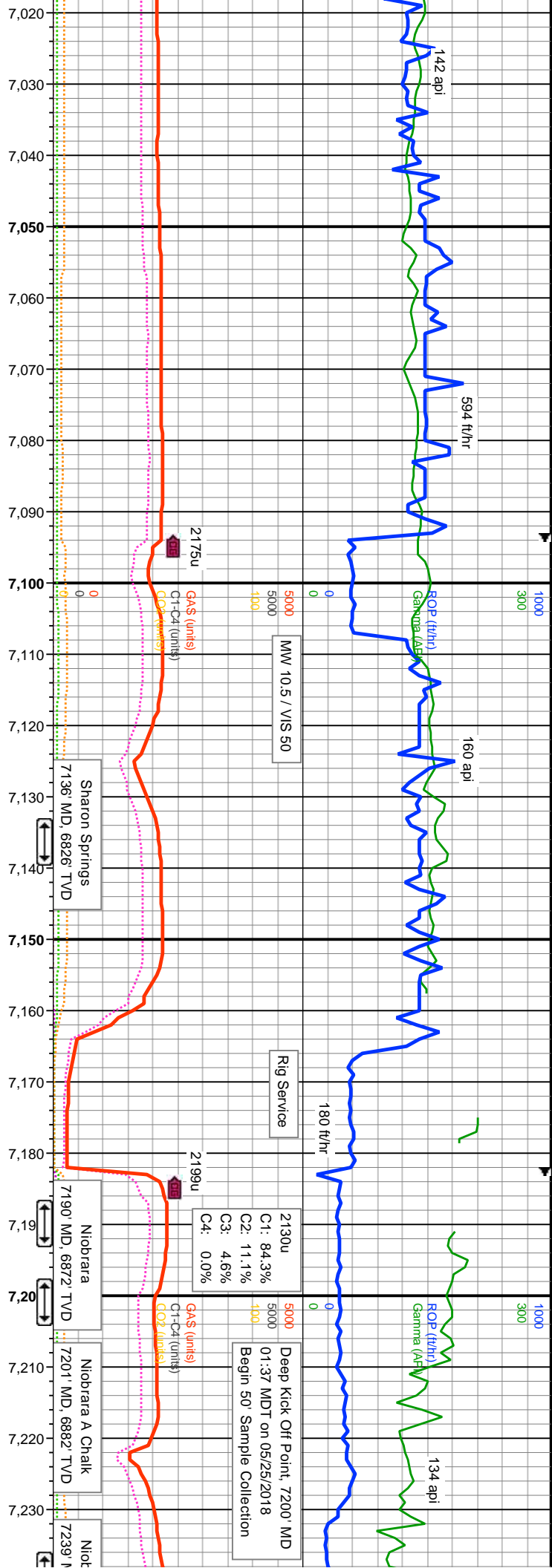
100% SHY SLTST: lt-med gy, v sft-mod frm occ fri, sb blkv - sb plty, arg, silty occ aren, rthy; abnt cly, tr silty sh,

100% SHY SLTST: lt-med gy, aren, rthy; abnt cly, tr silty sh





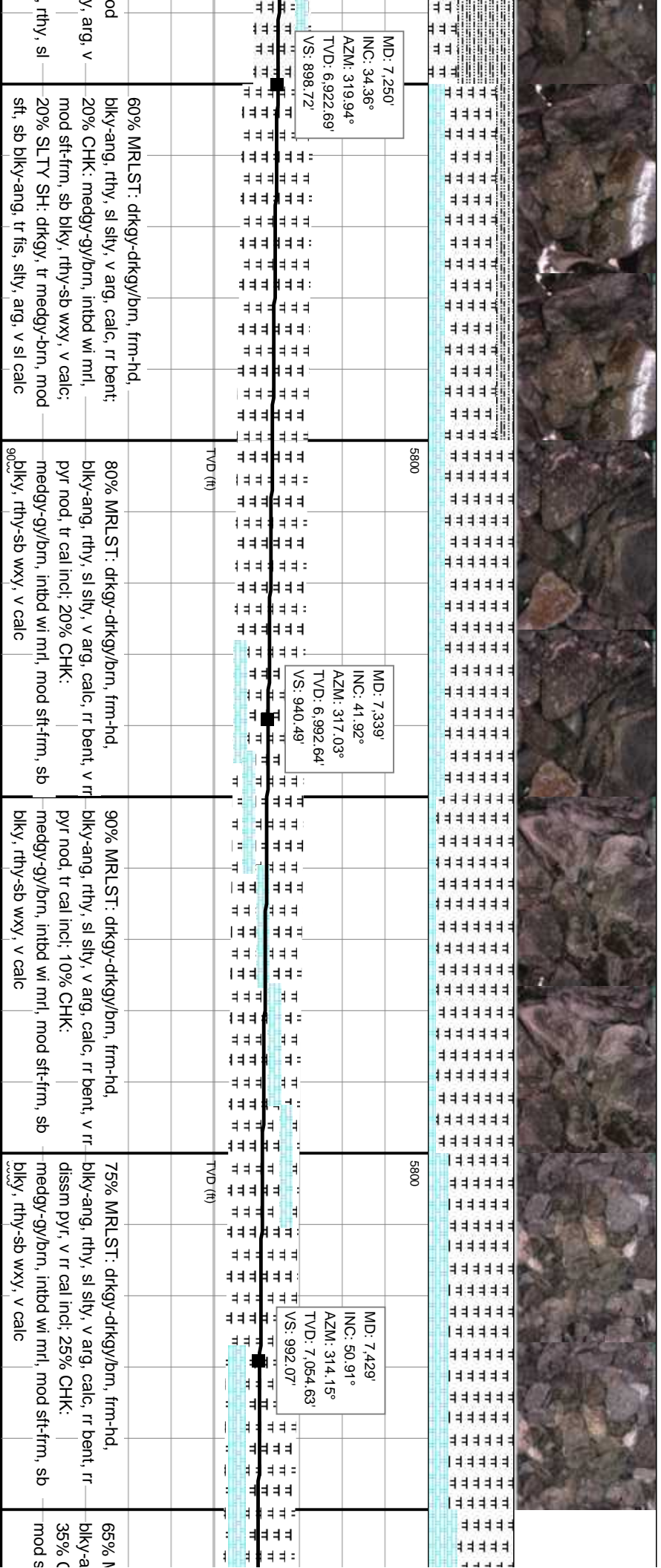
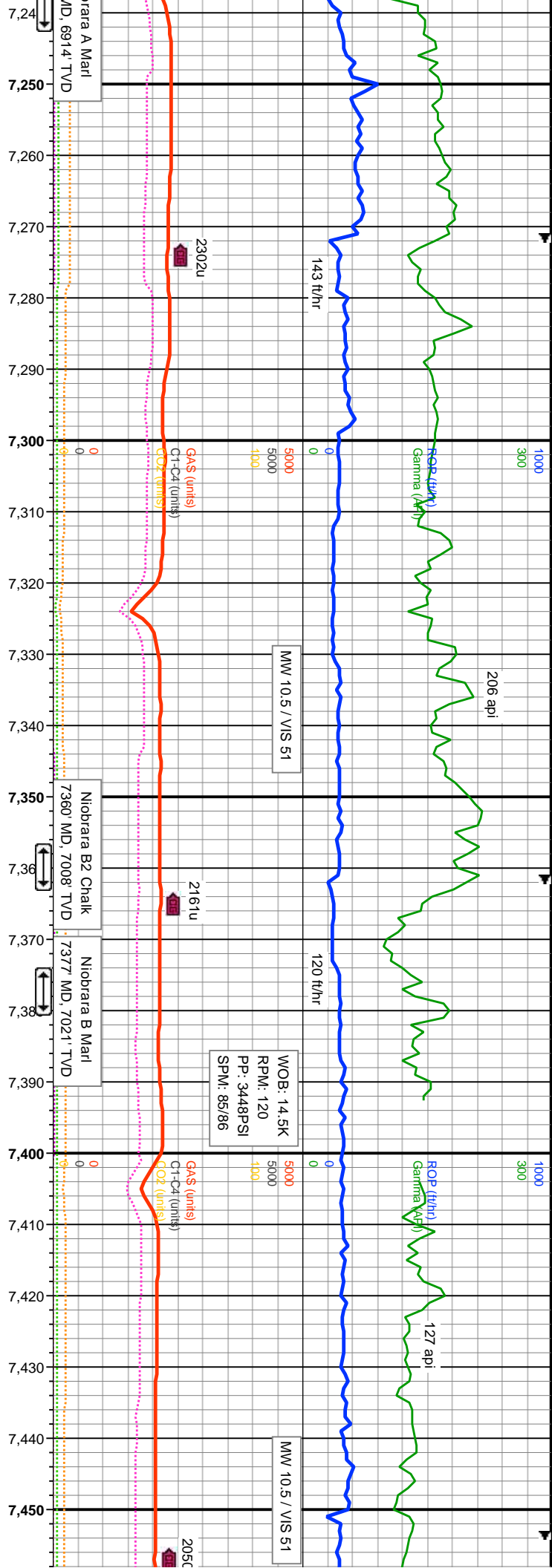


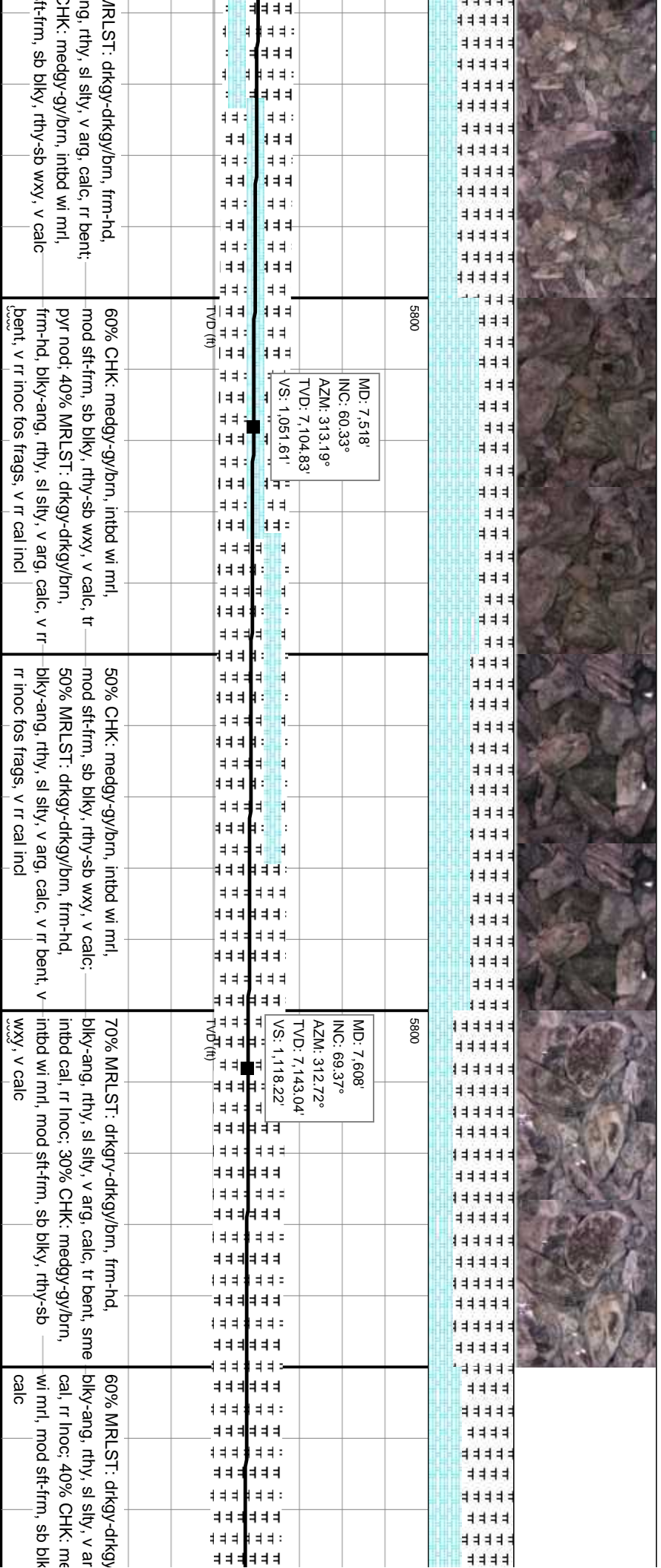
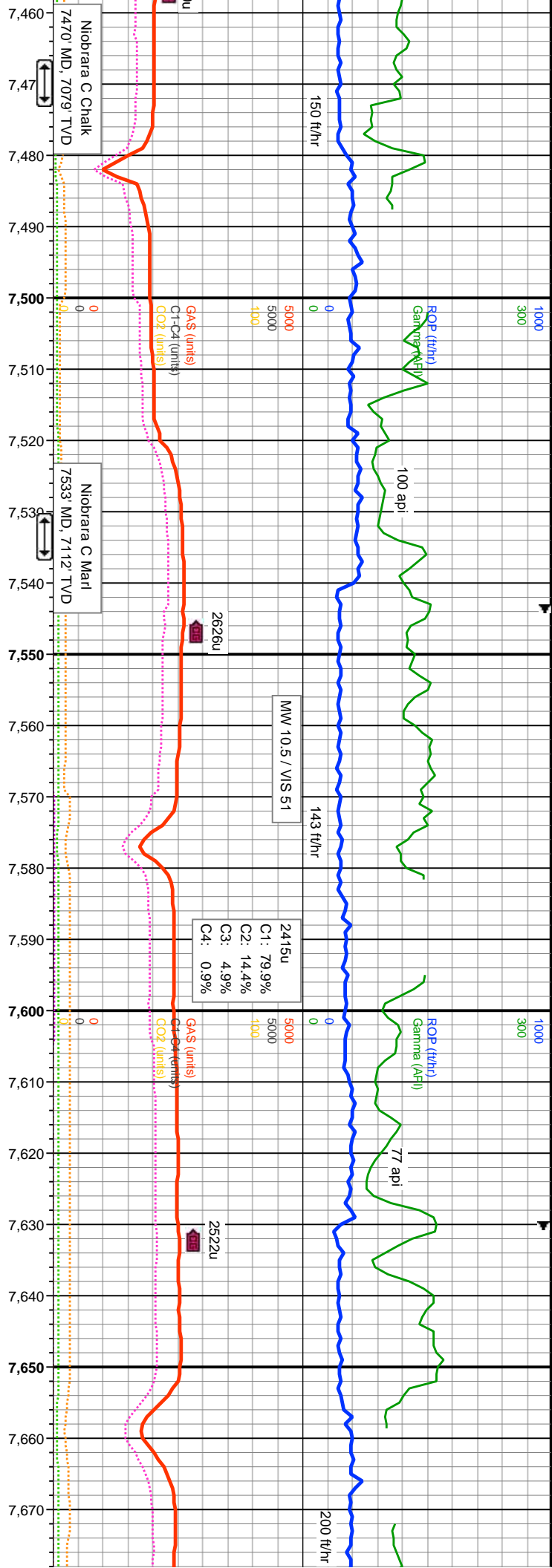


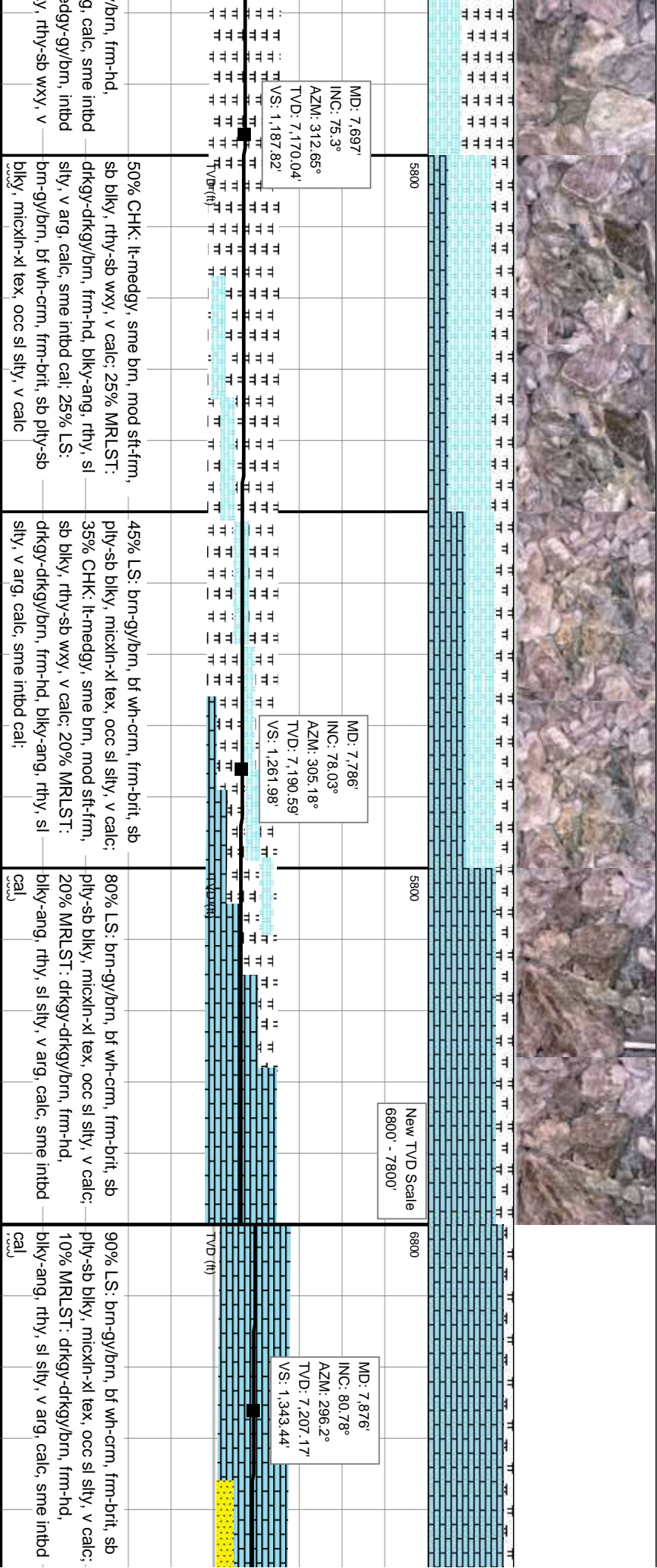
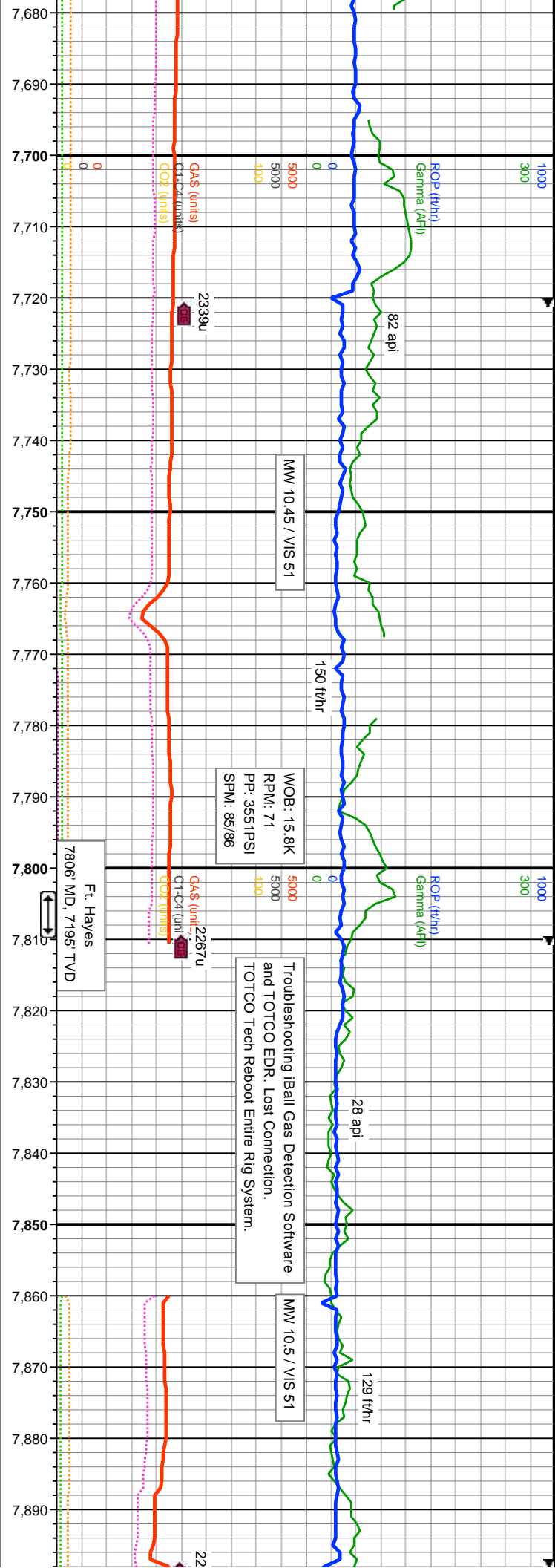
SH: med-drkgy, brn, mod sft-occ v frm, sb blk-ang, tr fis, silty, arg, v
% SHY SLTST: lt-medgy, gy/brn, sme drkgy, sft-ip frm, occ fri, sb
om fis, arg, silty, rthy, ip cly rch mix, sl calc

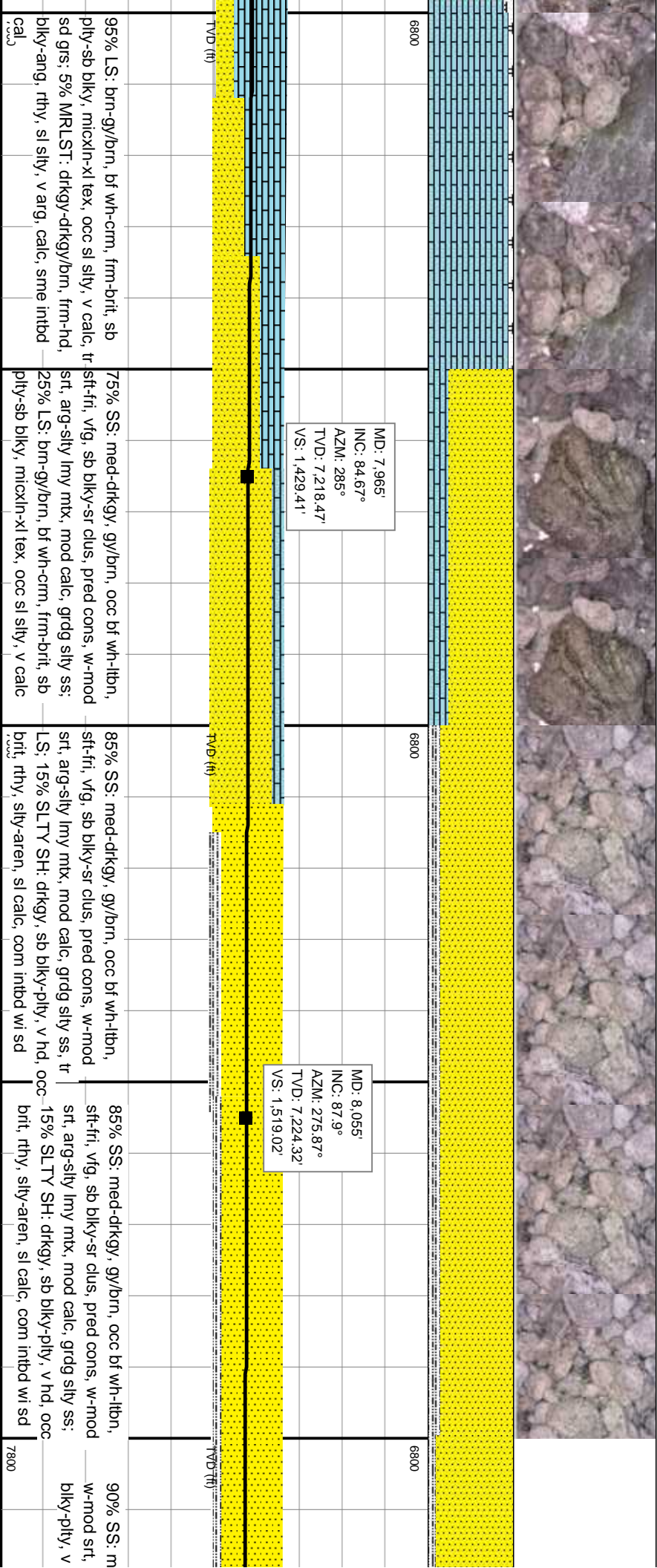
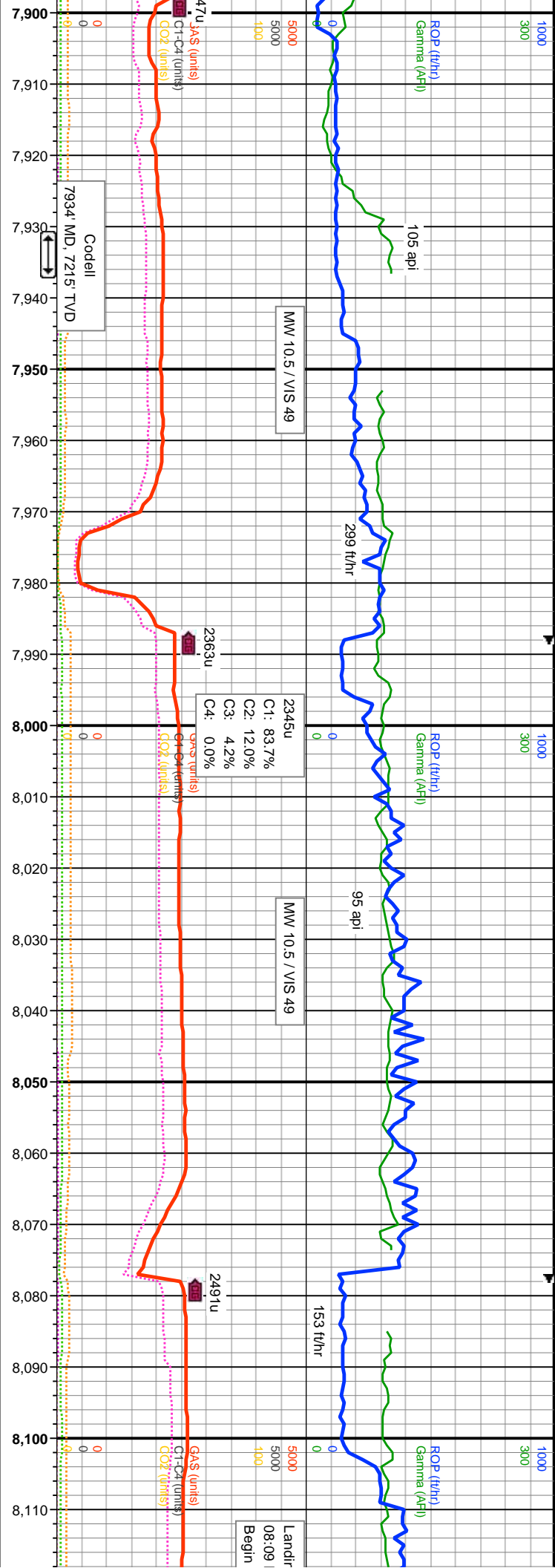
100% SLTY SH: med-drkgy, brn, mod sft-occ v frm, sb blk-ang, tr fis, silty, arg,
v sl calc; tr bent, v rr pyr nod

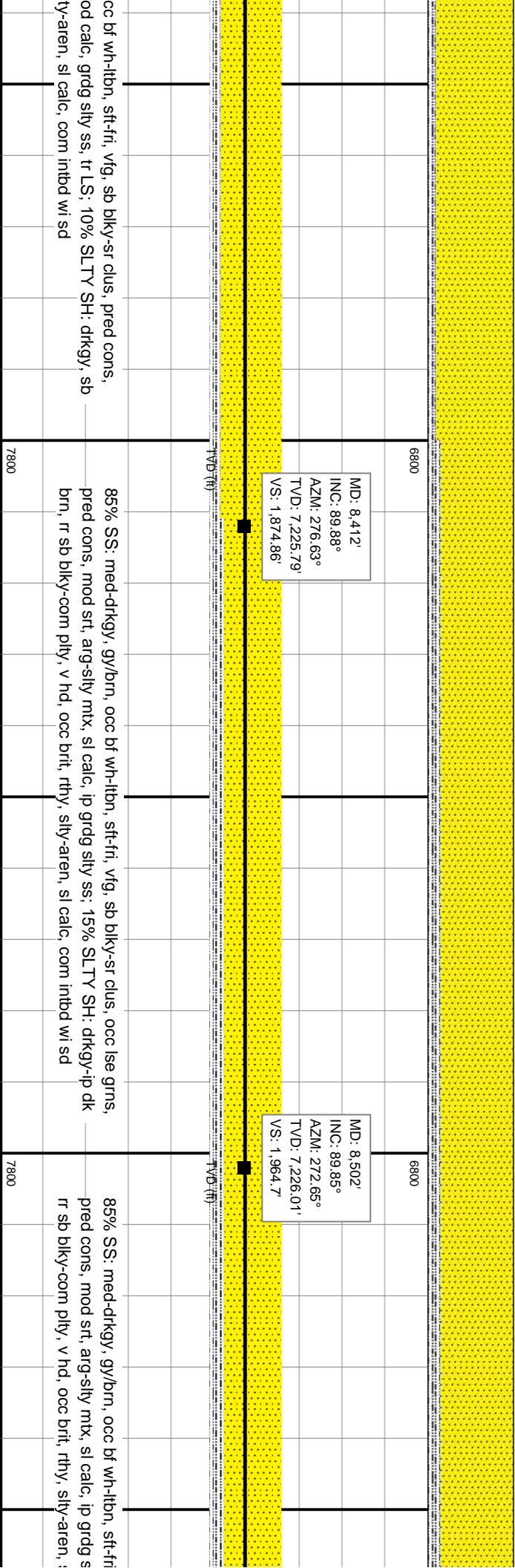
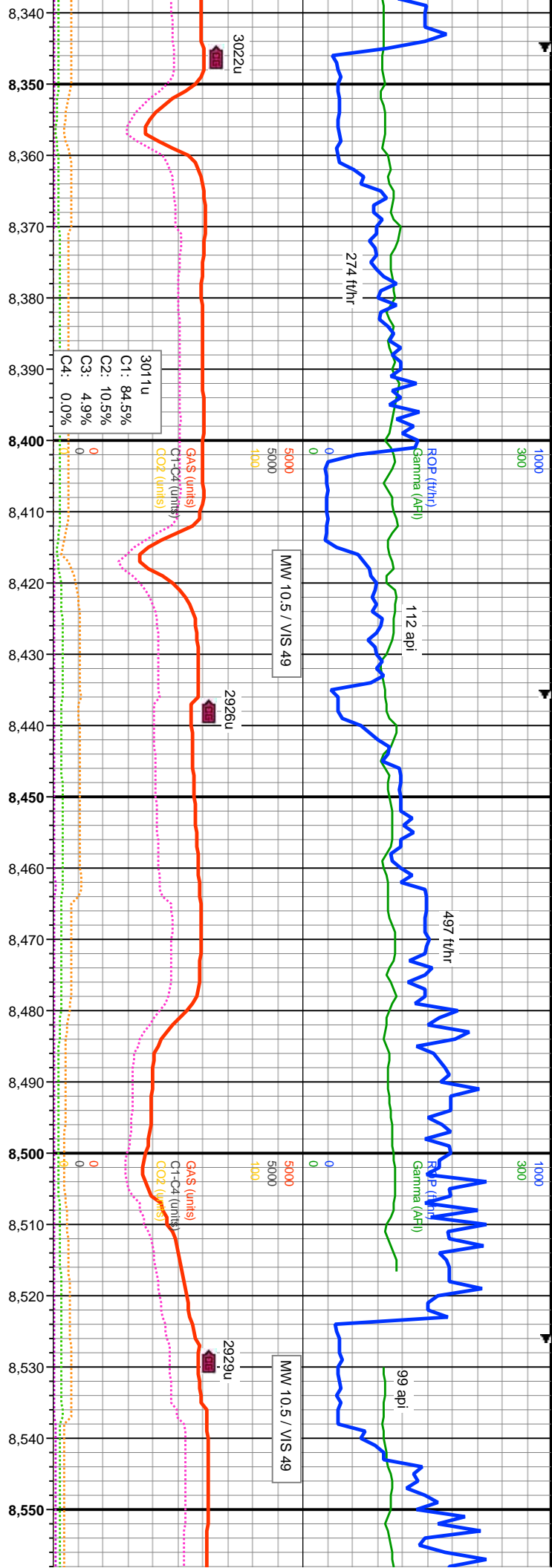
65% SLTY SH: med-drkgy, brn, m
sft-occ v frm, sb blk-ang, tr fis, slt
sl calc, tr bent; 35% MRLST:
drkgy-drkgy/brn, frm-hd, blk-ang
silty, v arg, calc

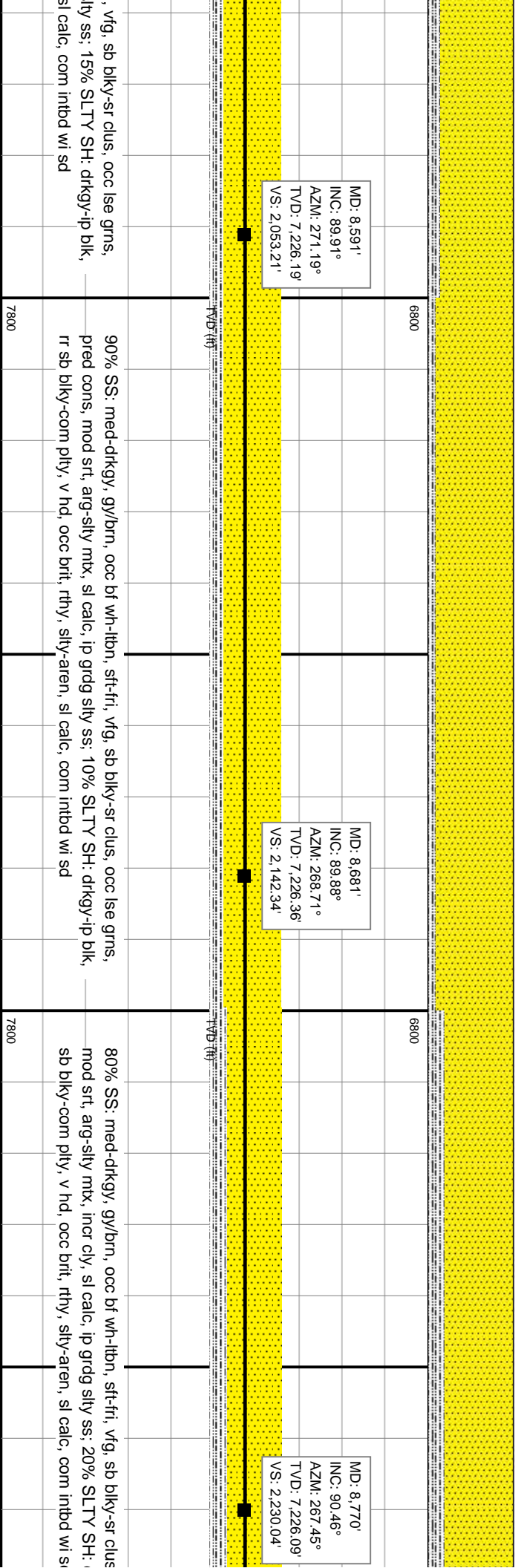
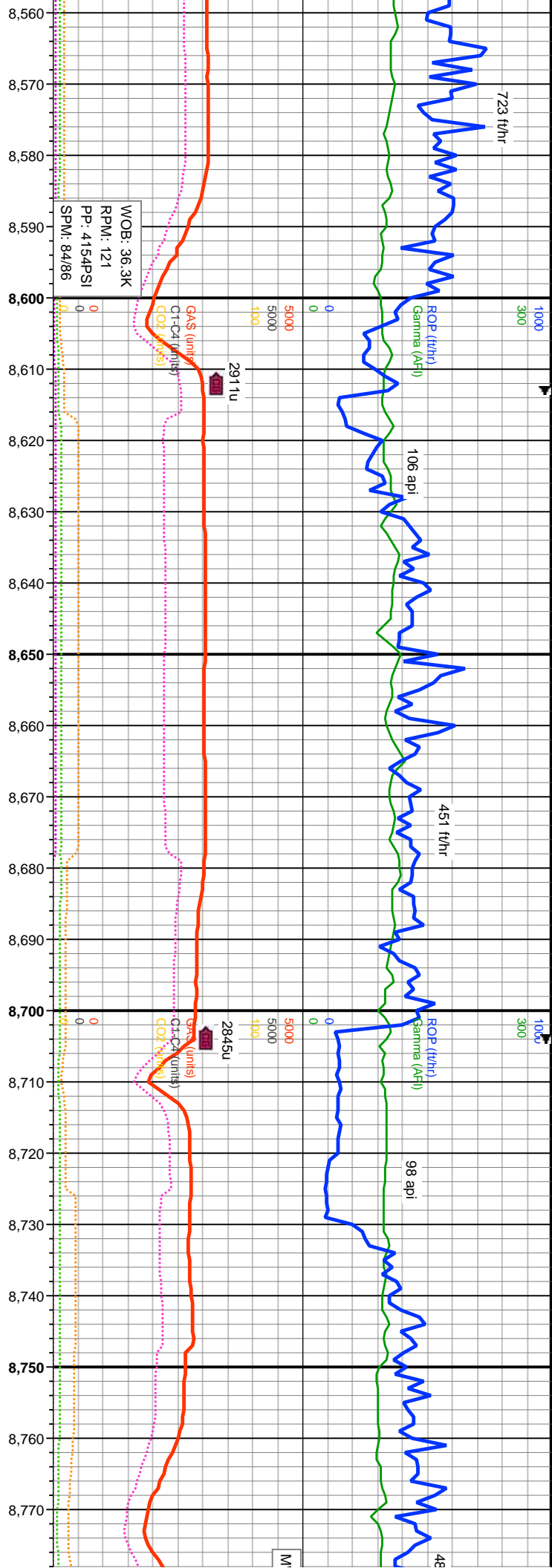


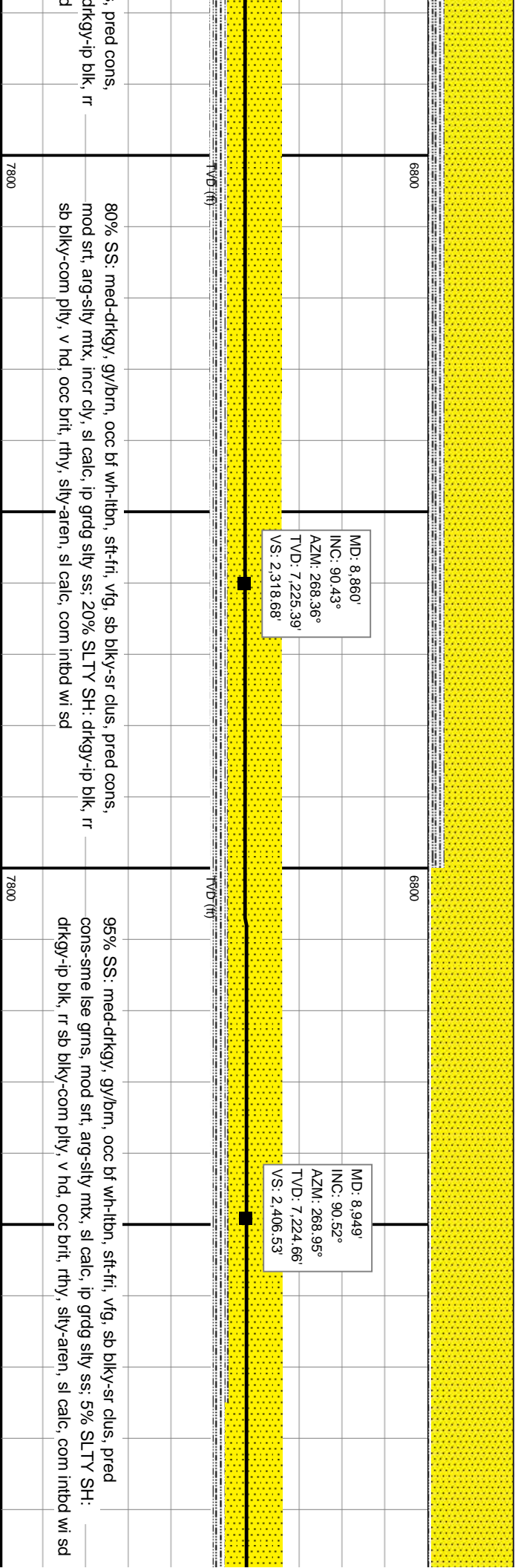
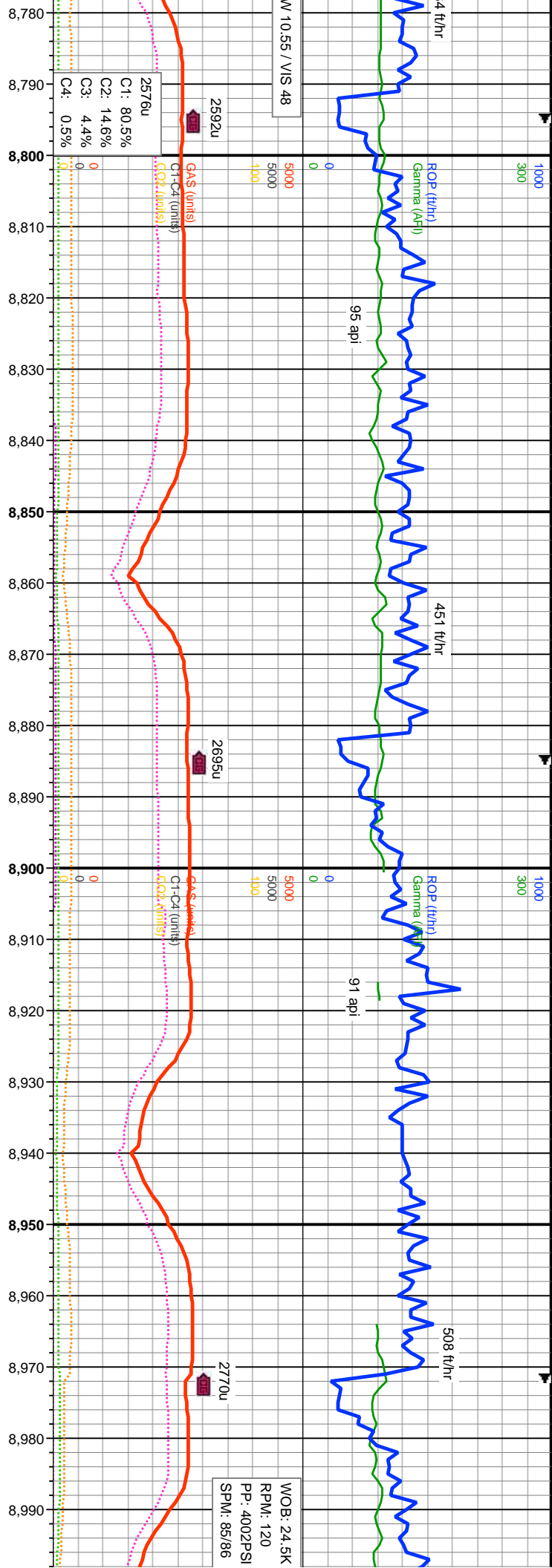


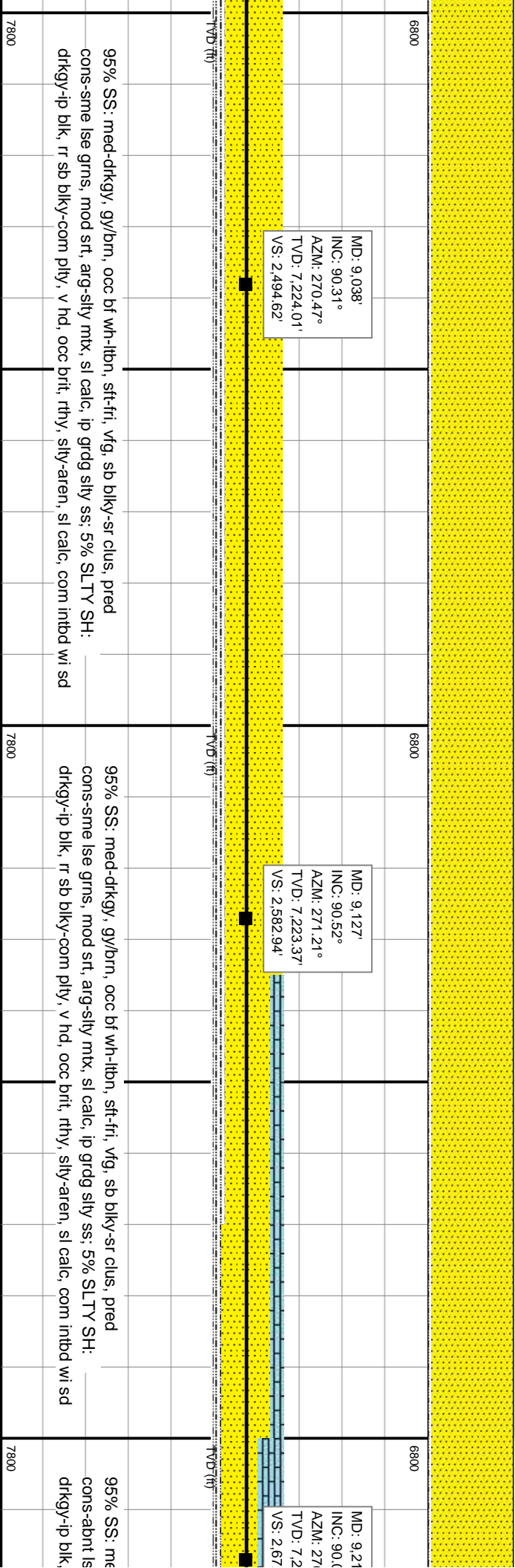
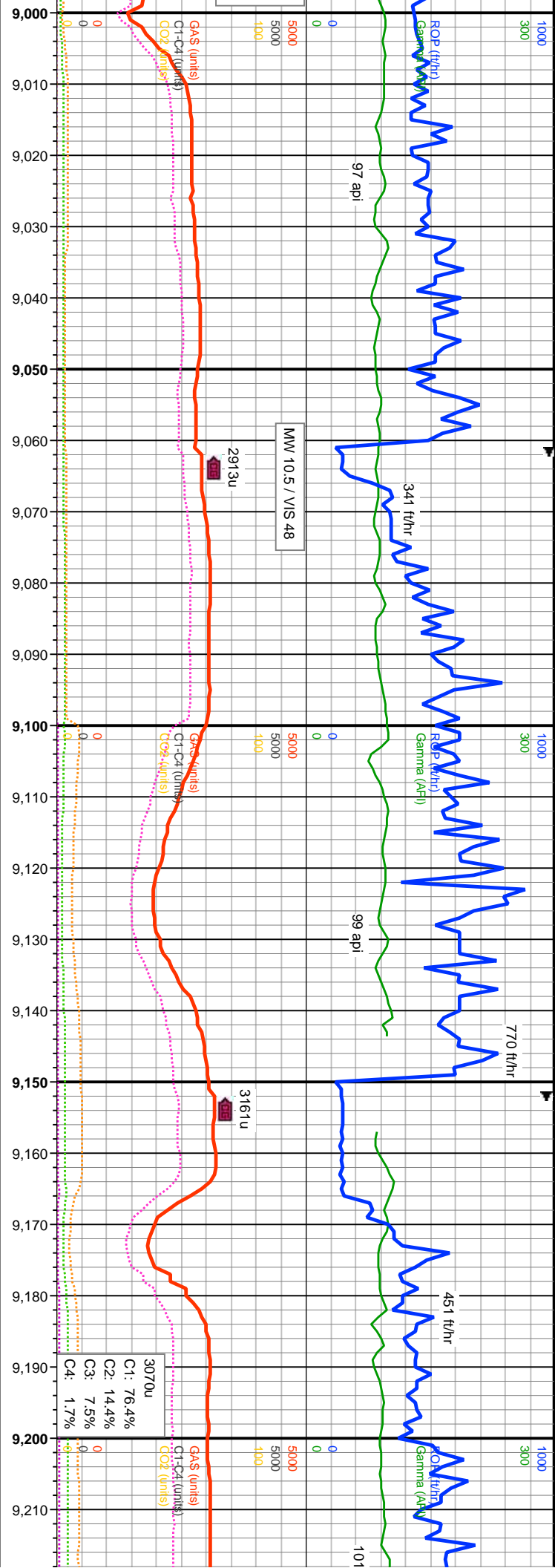


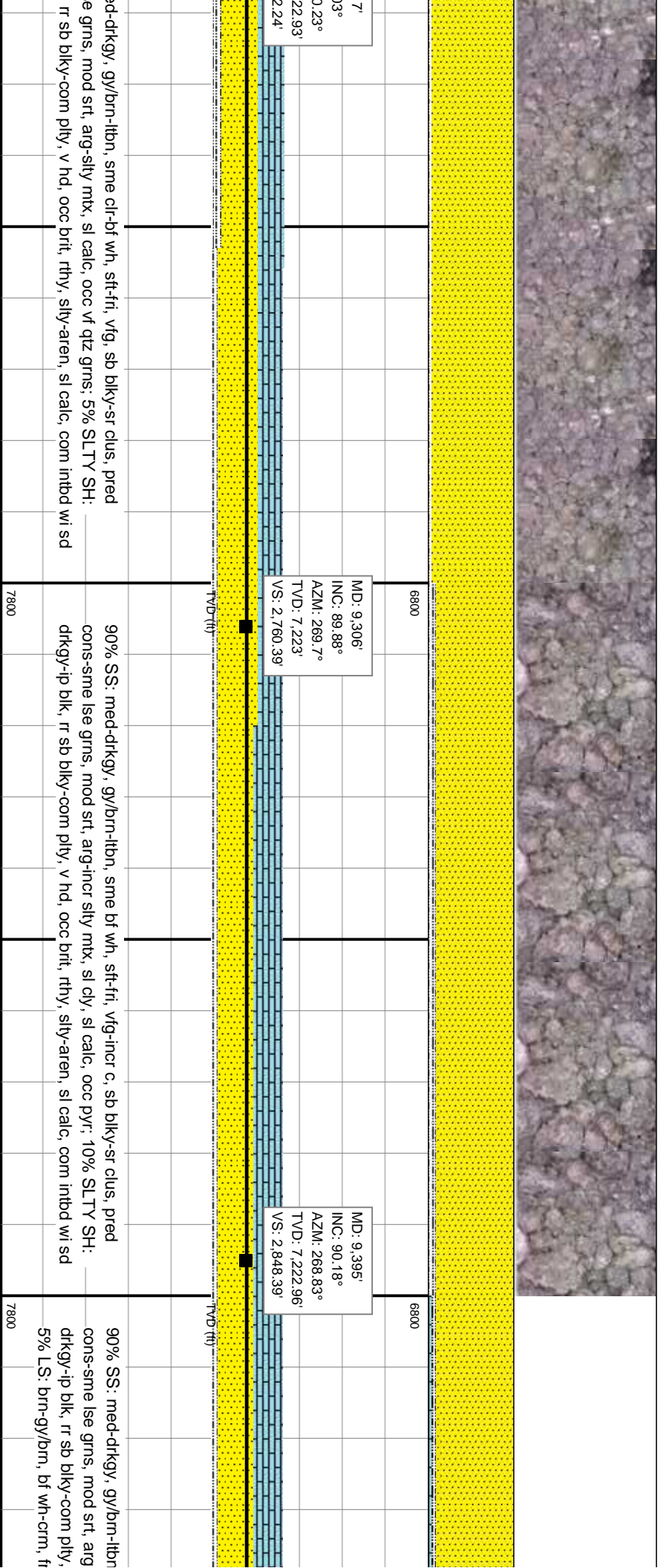
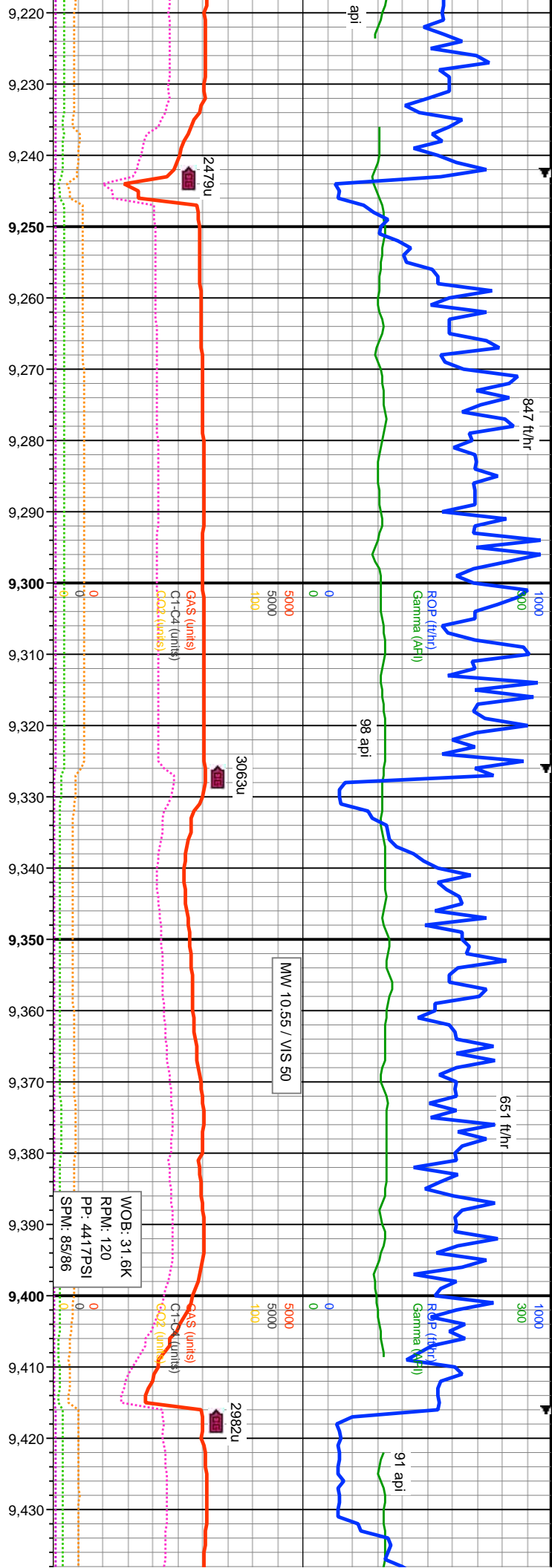


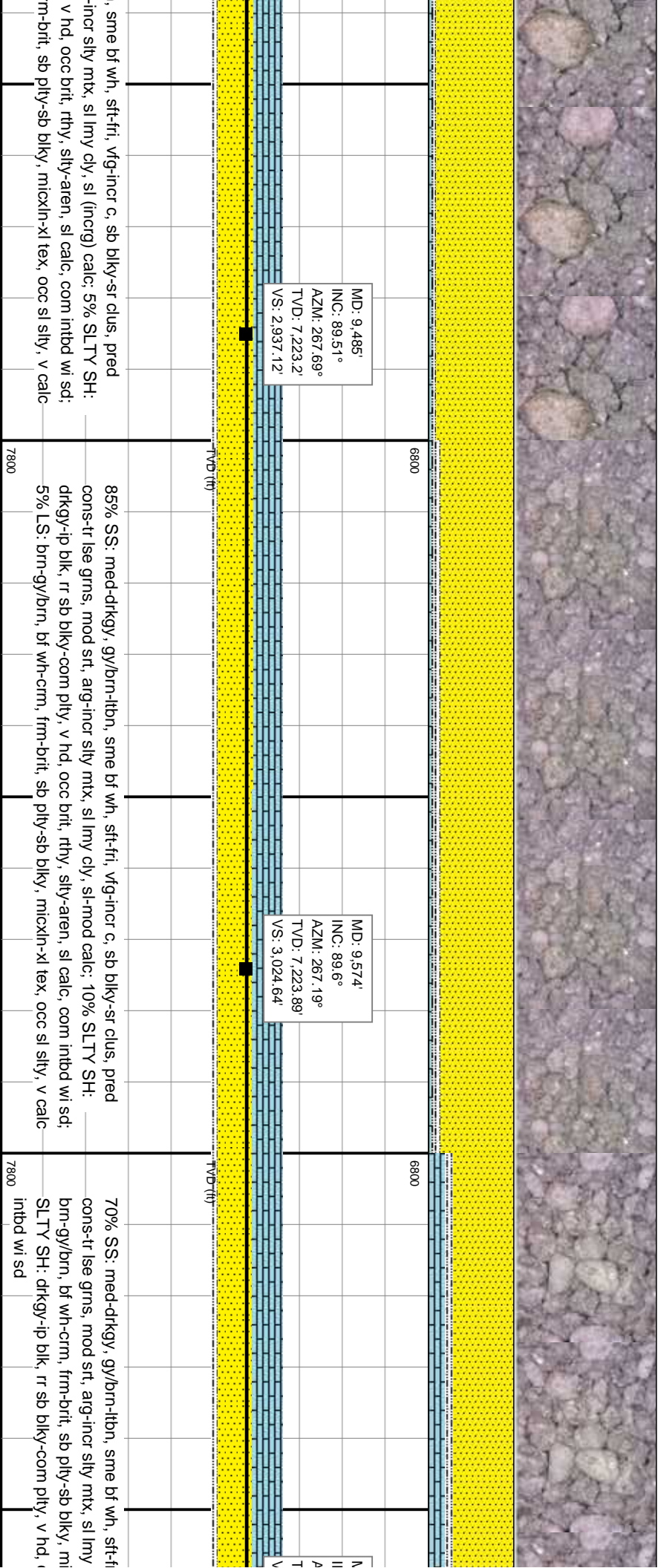
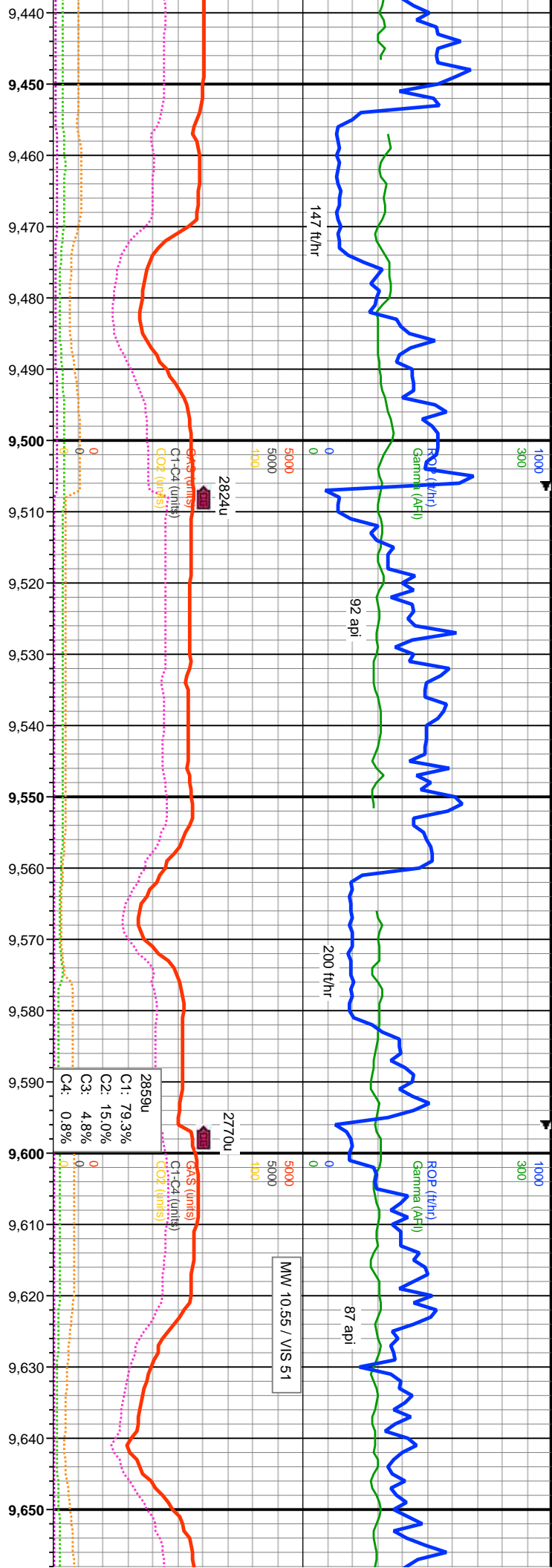


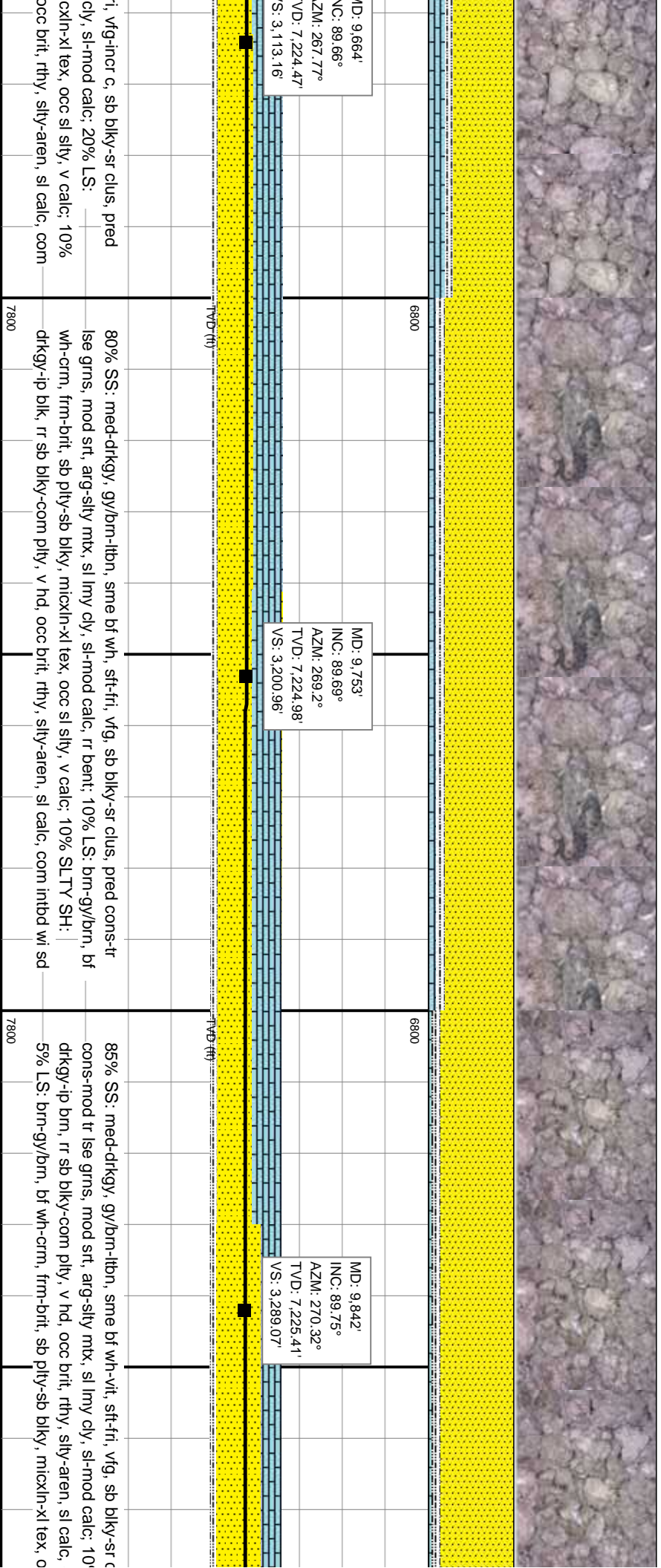
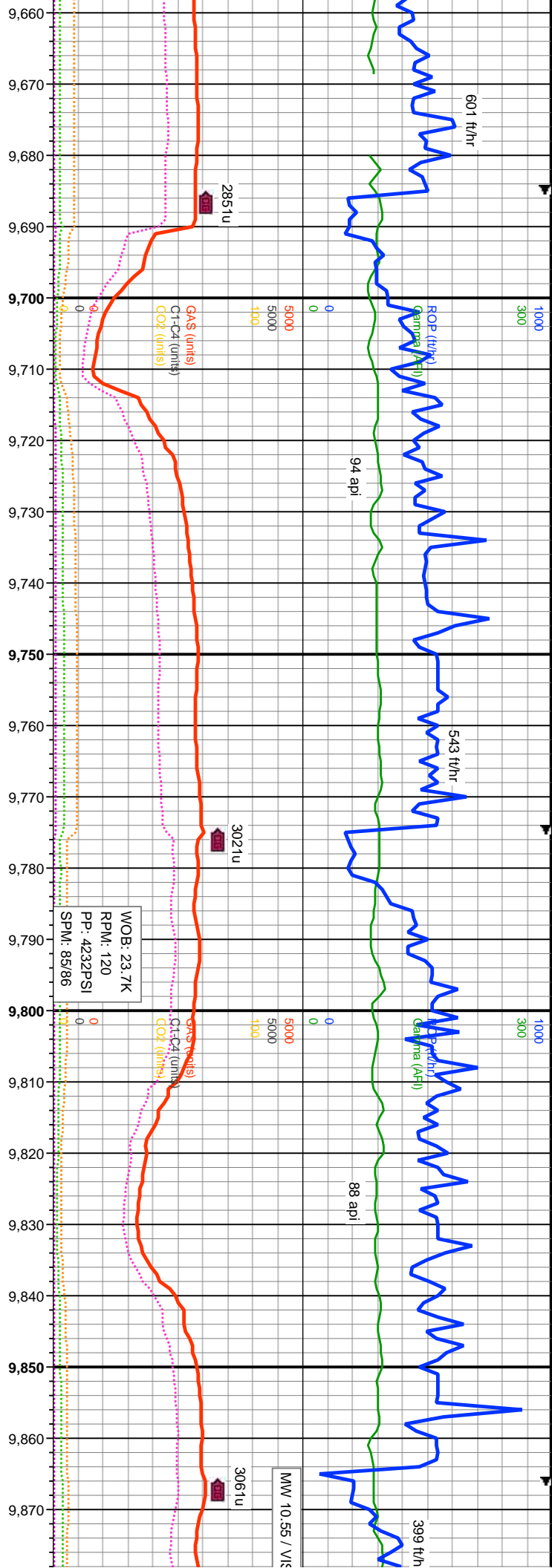


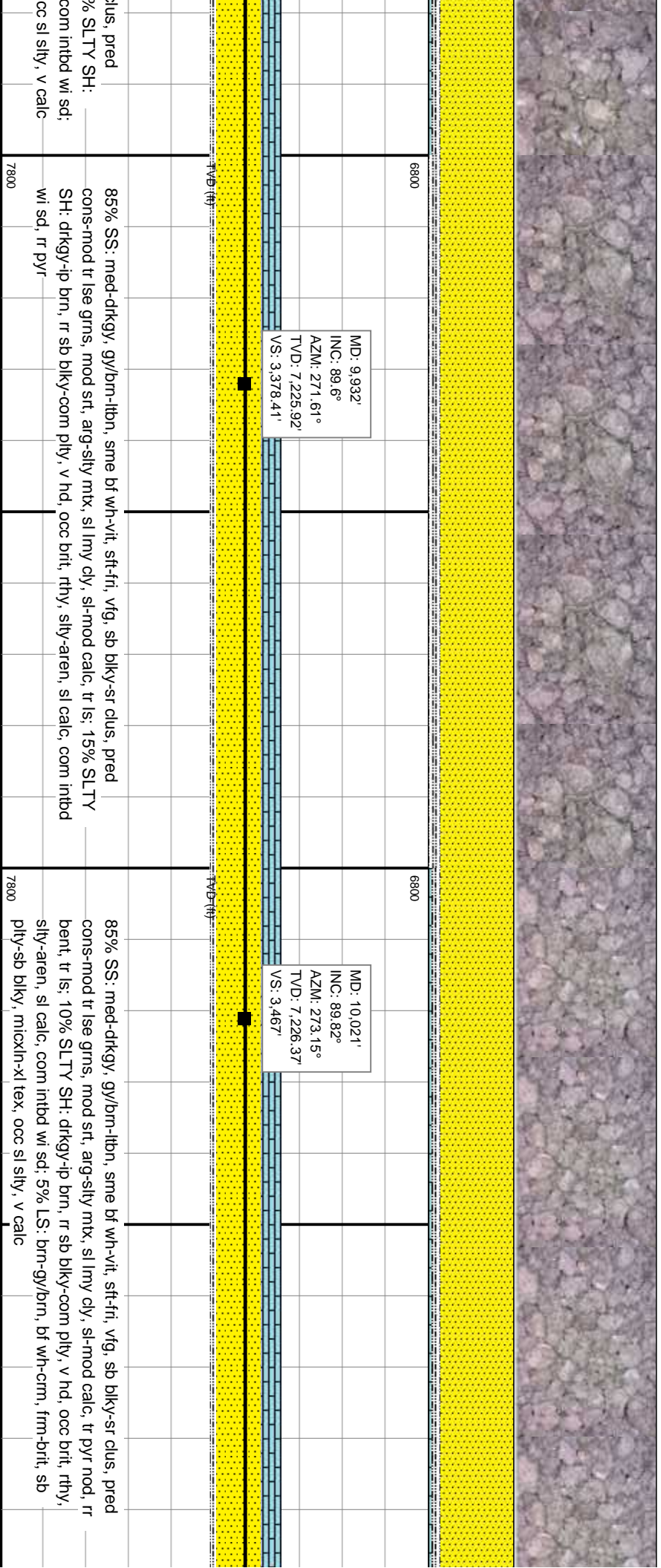
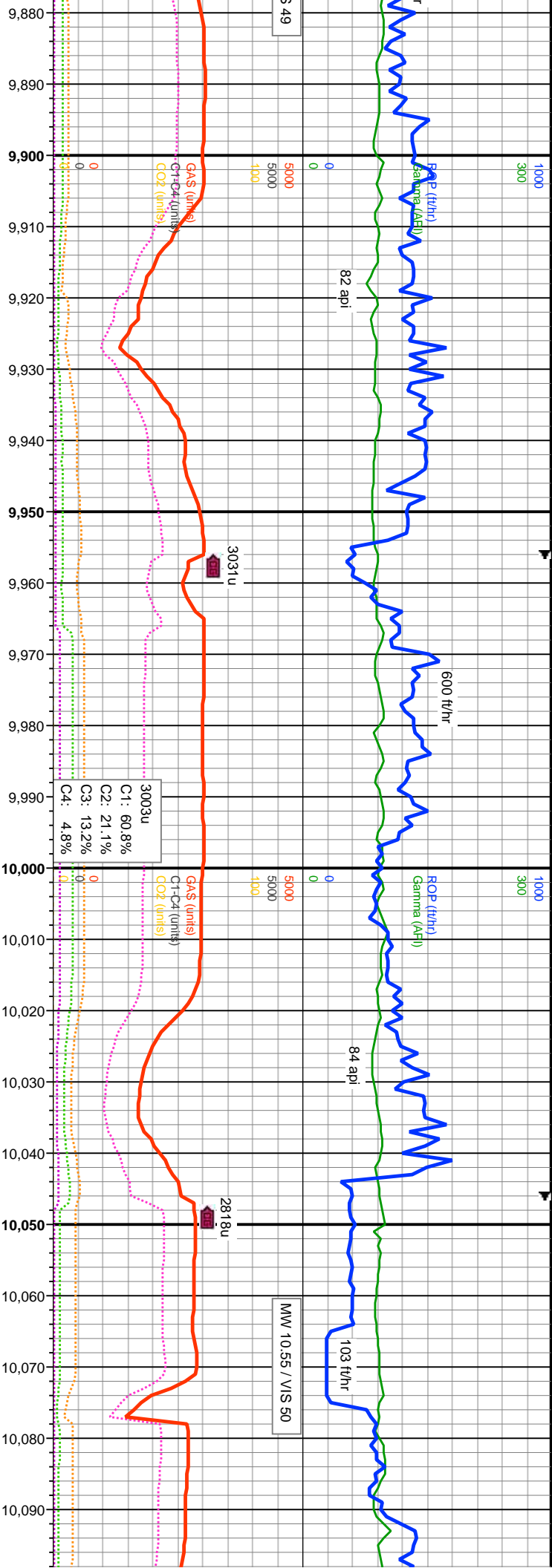


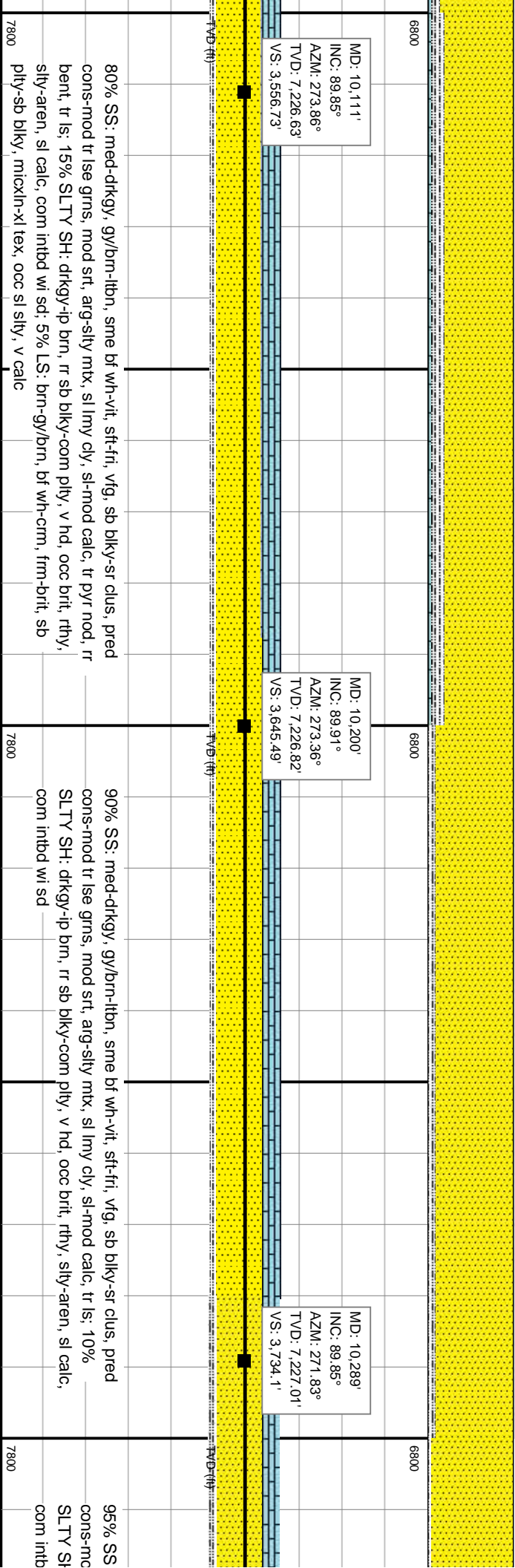
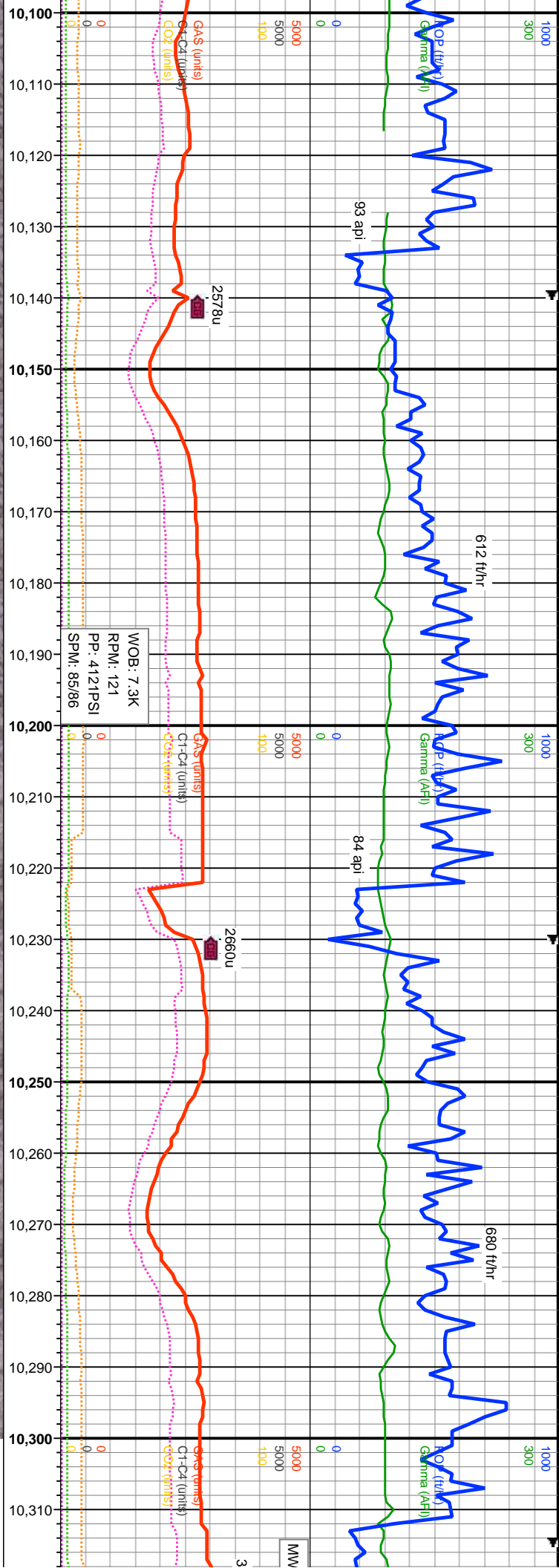


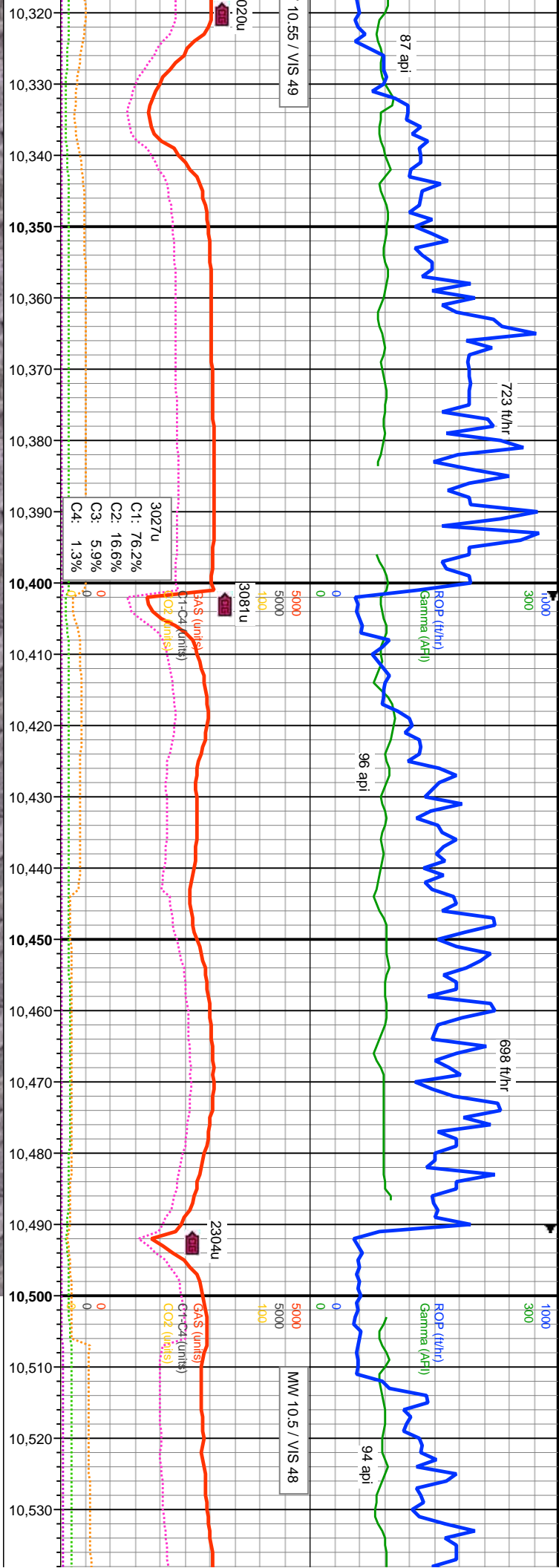






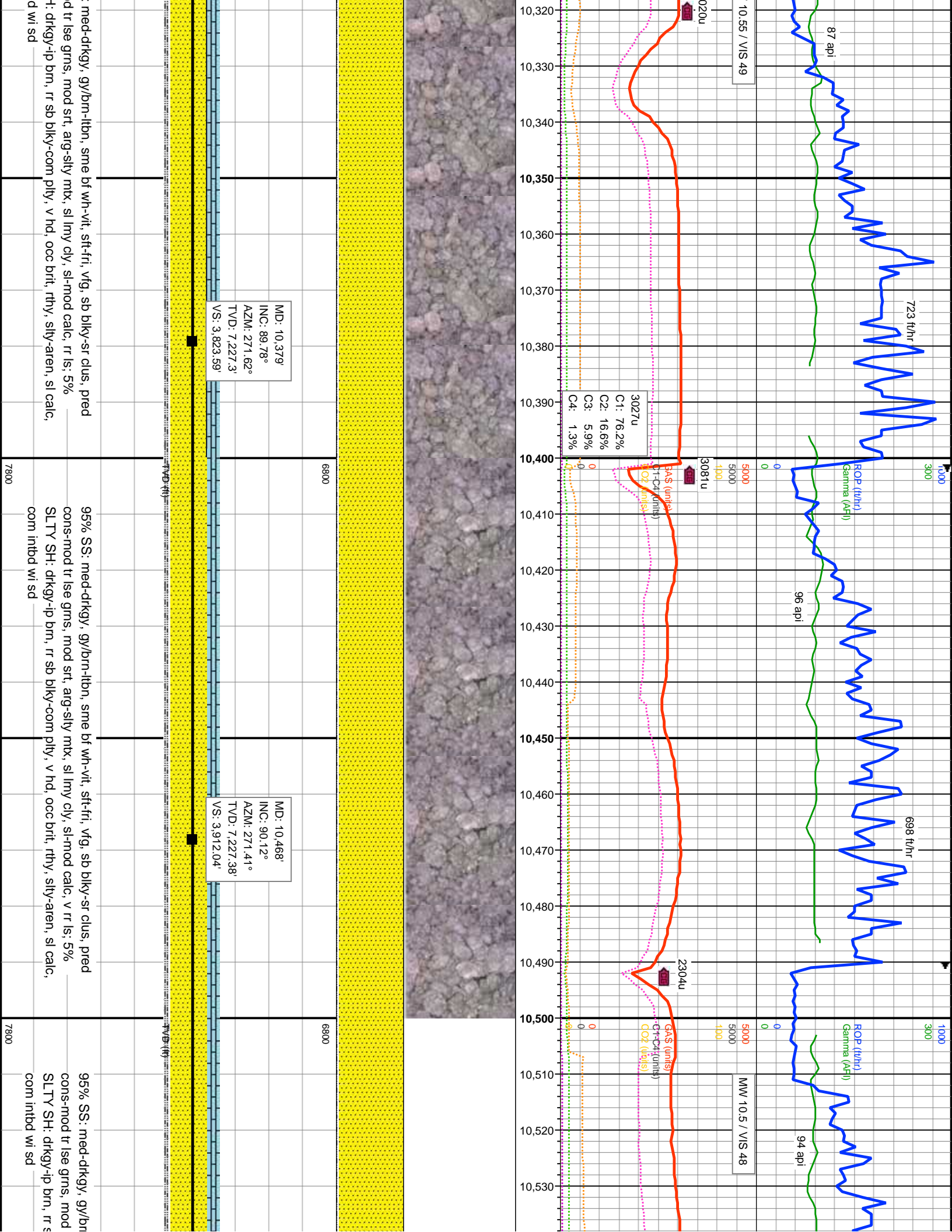


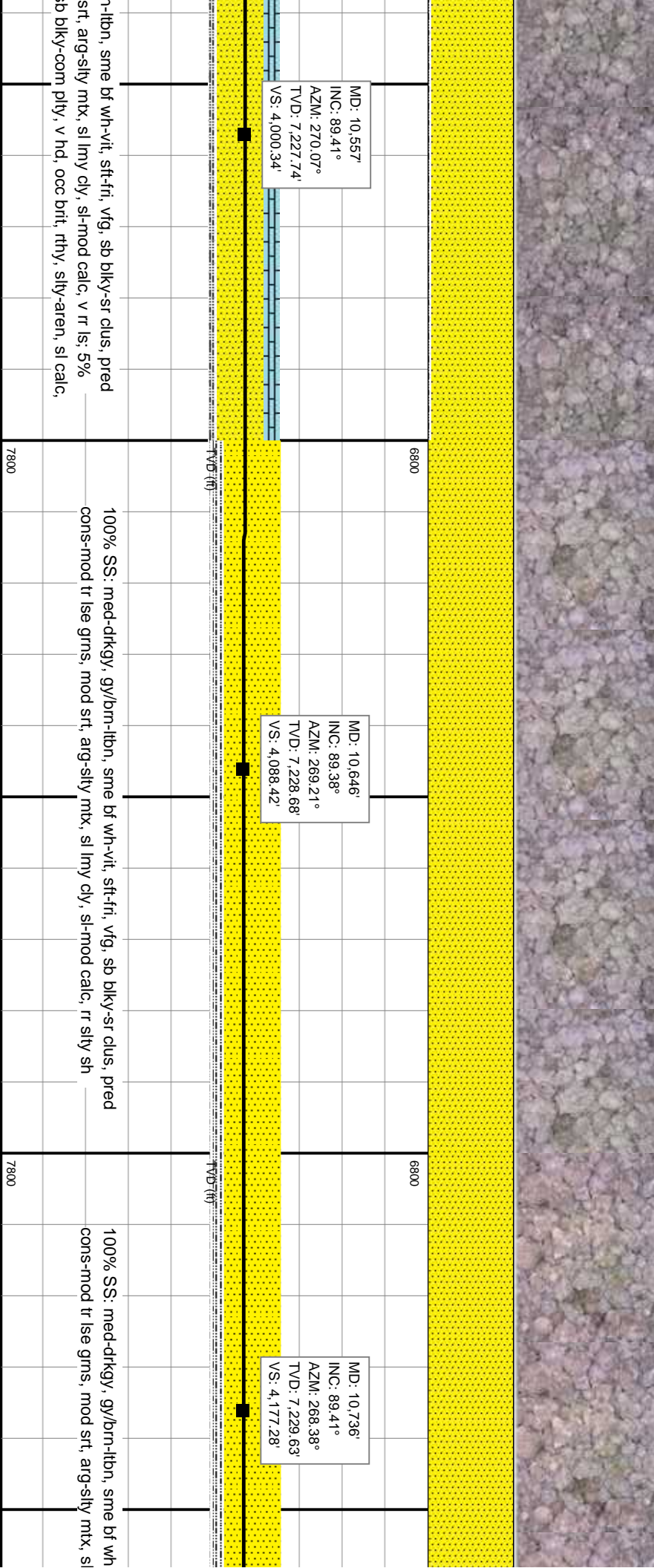
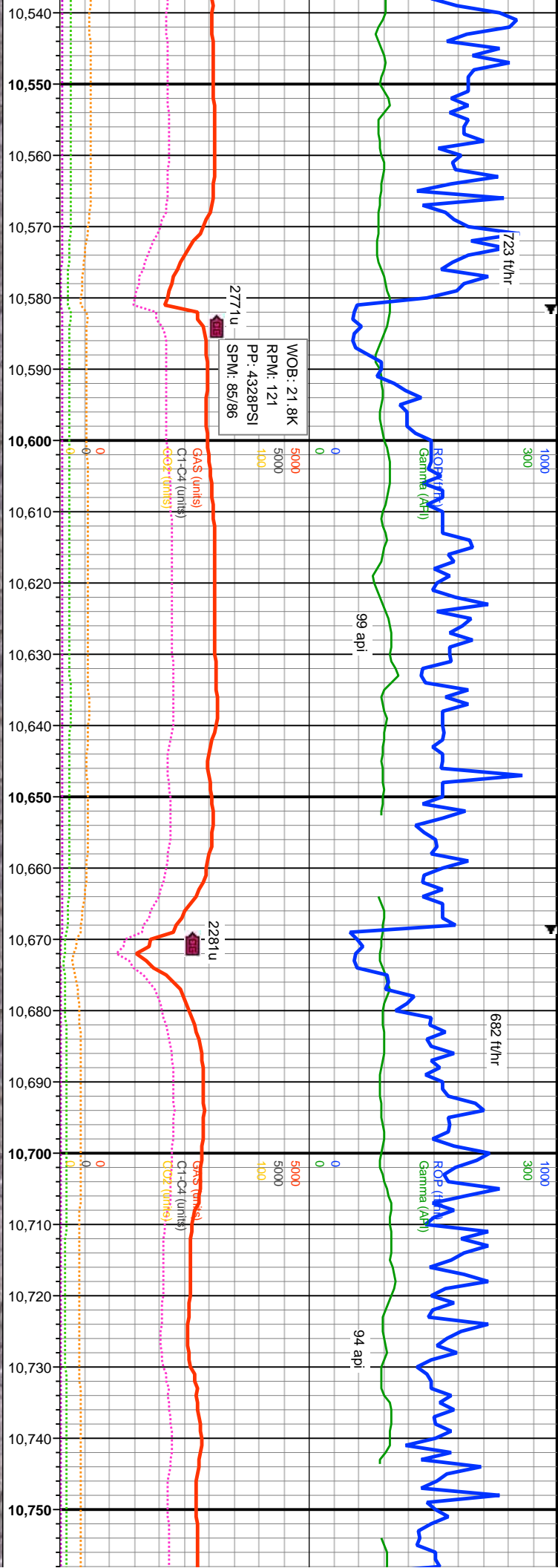


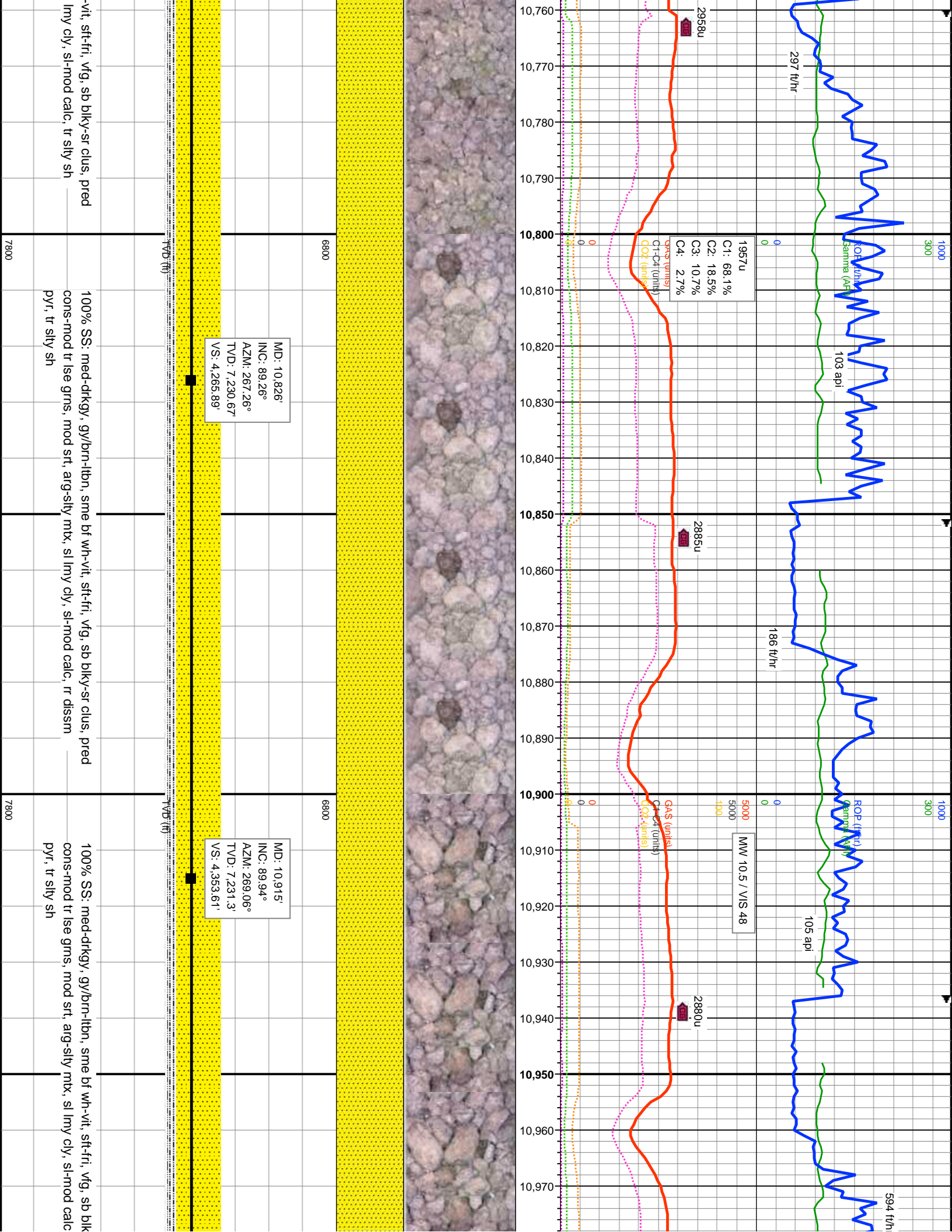


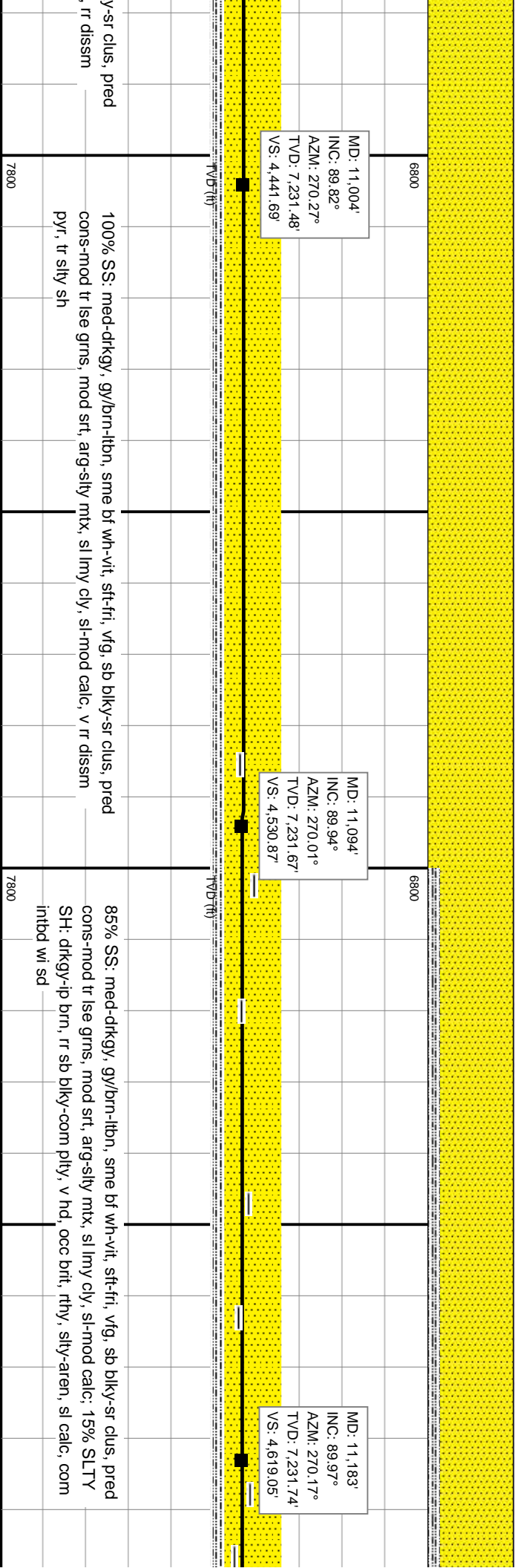
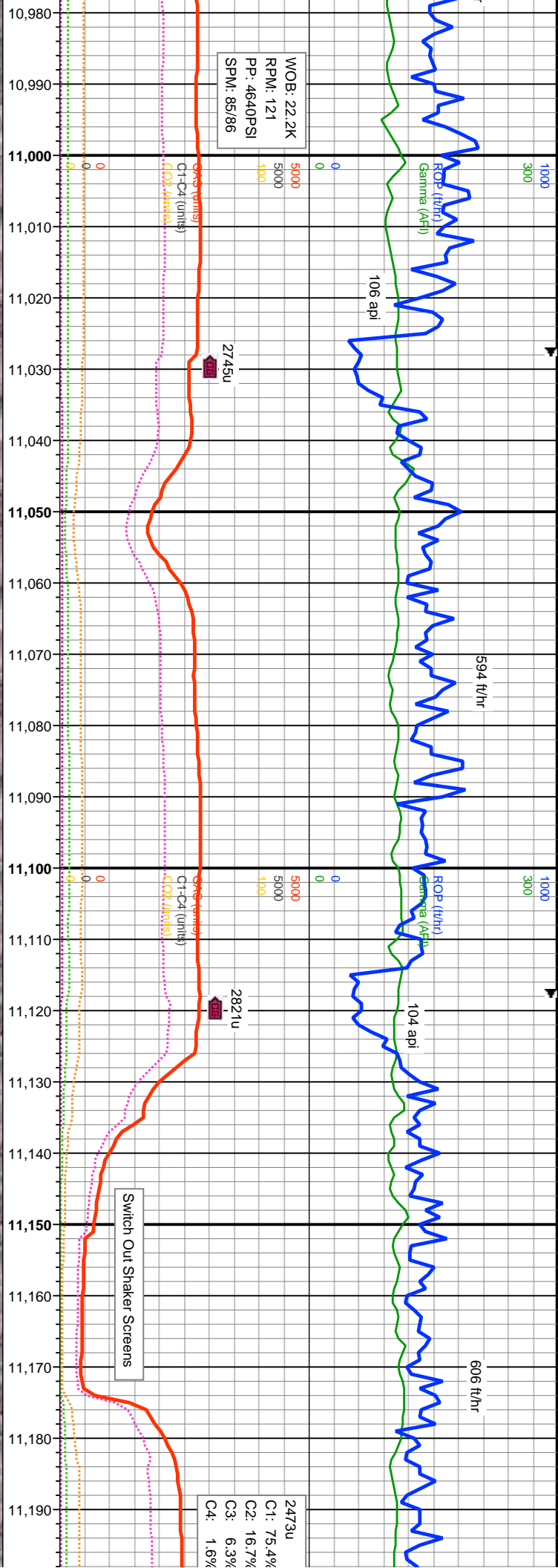
MD: 10,379'
INC: 89.78°
AZM: 271.62°
TVD: 7,227.3'
VS: 3,823.59'

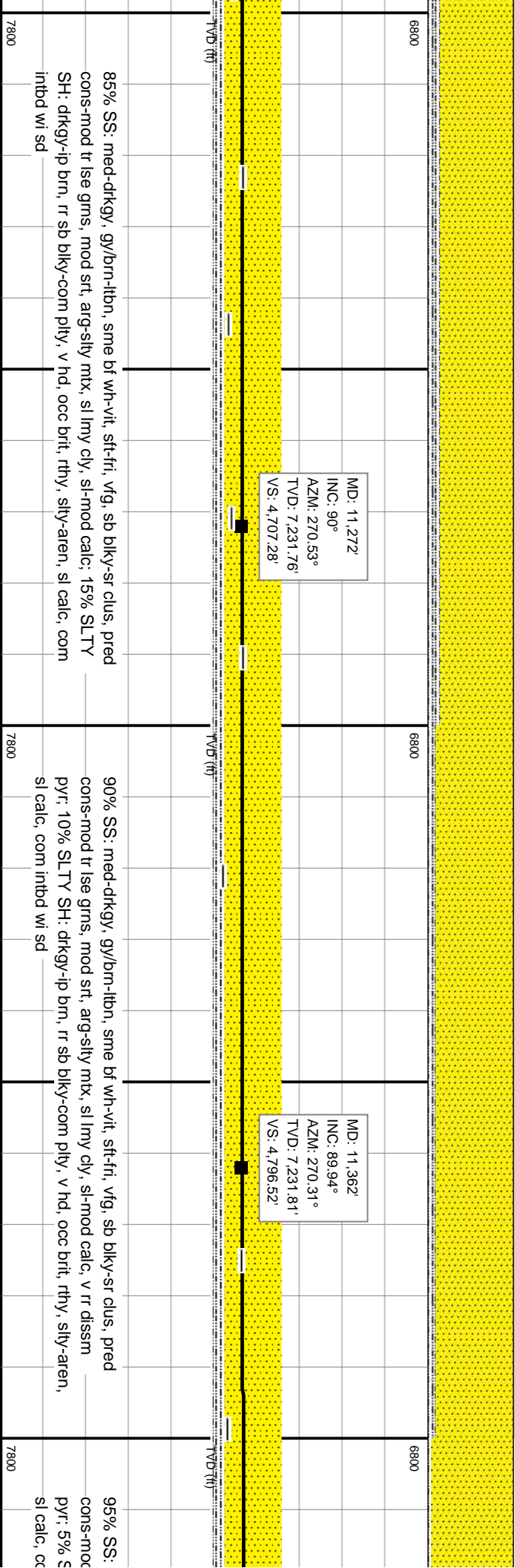
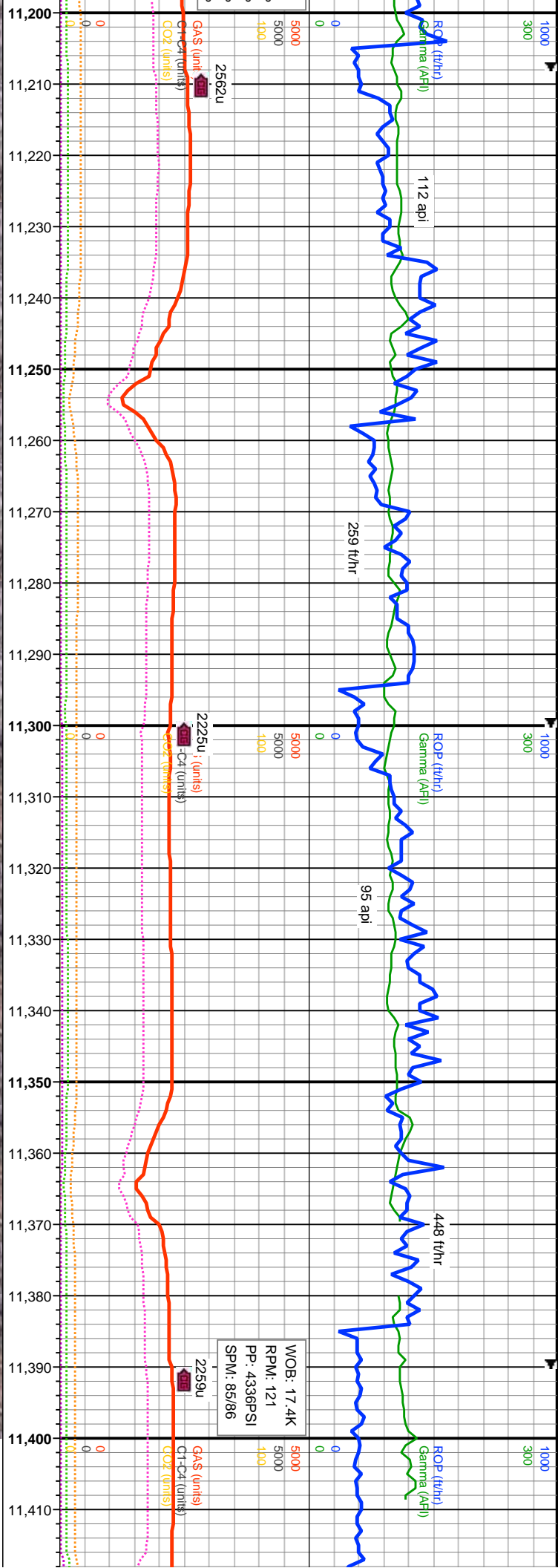
MD: 10,468'
INC: 90.12°
AZM: 271.41°
TVD: 7,227.38'
VS: 3,912.04'

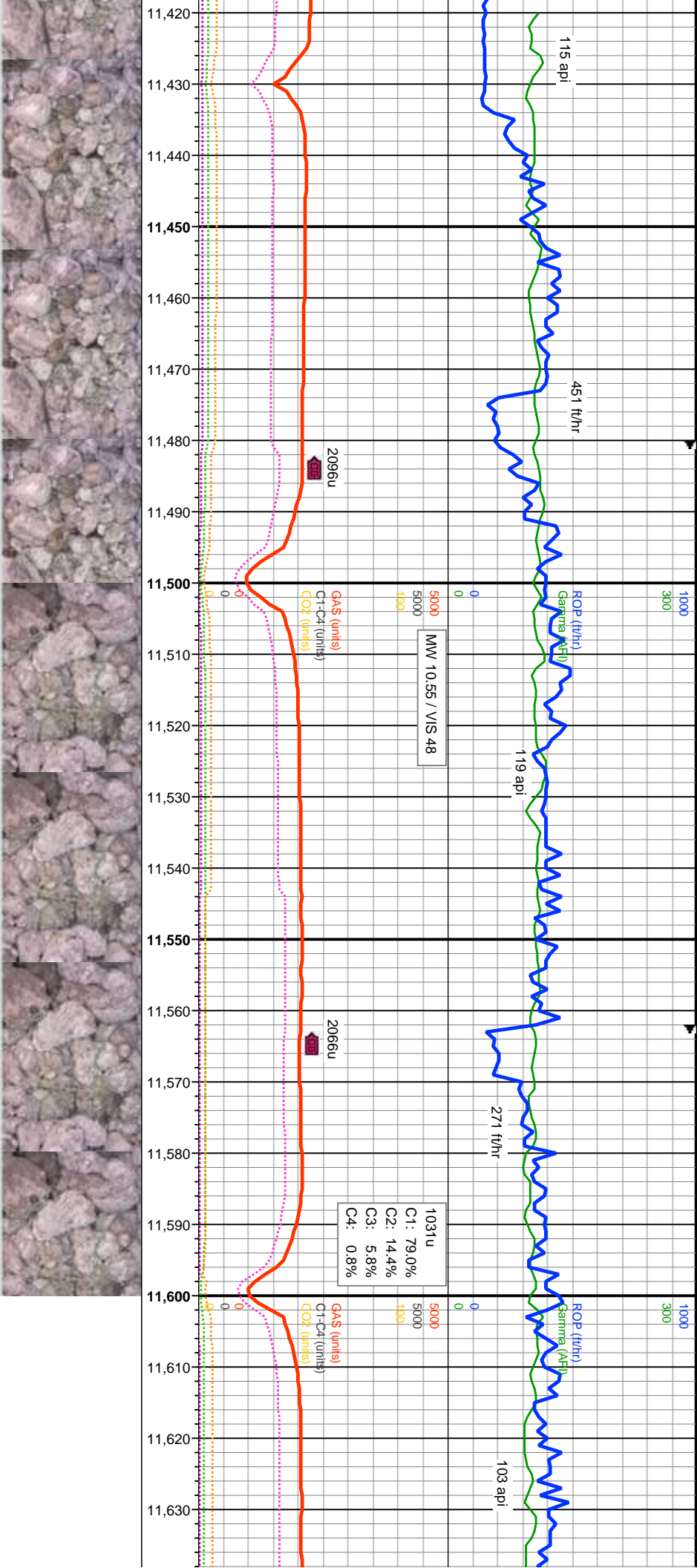












MD: 11,451'
INC: 90.58°
AZM: 270.94°
TVD: 7,231.41'
VS: 4,884.81'

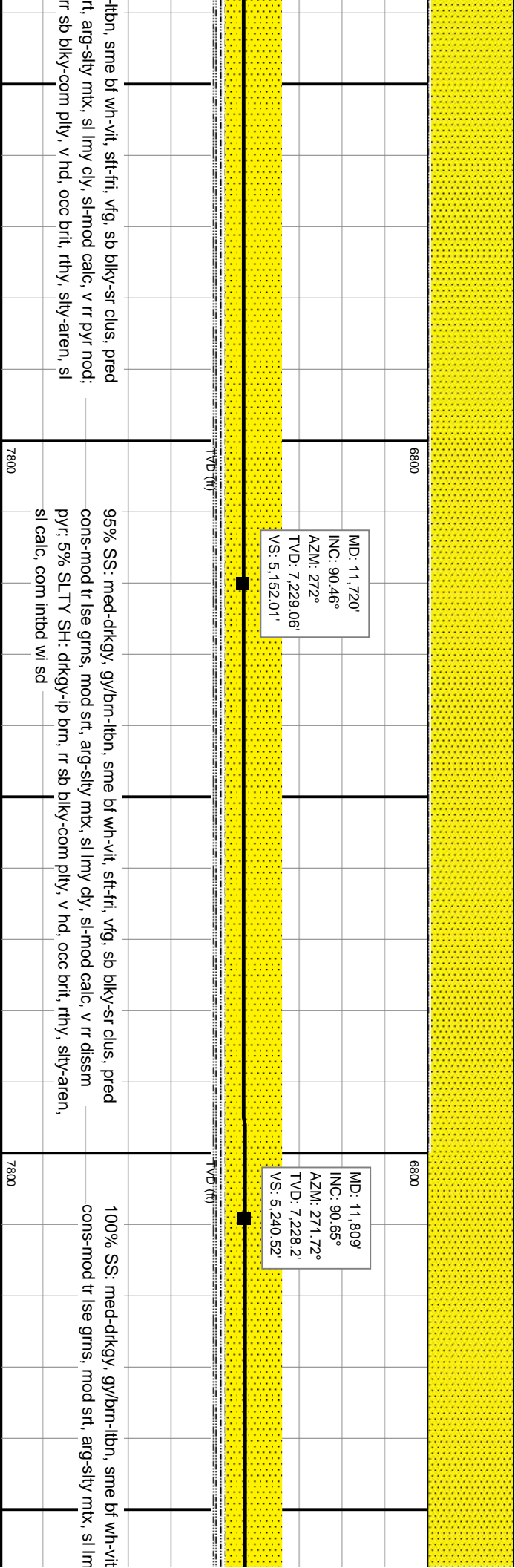
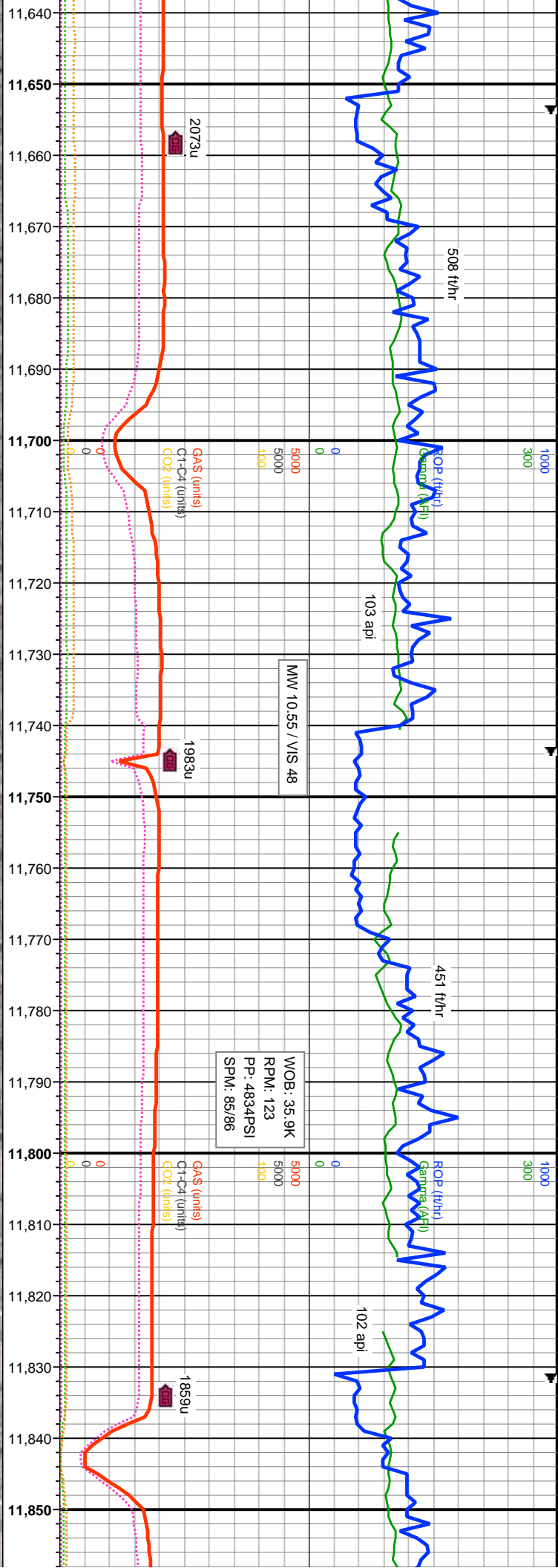
MD: 11,541'
INC: 90.49°
AZM: 270.8°
TVD: 7,230.57'
VS: 4,974.13'

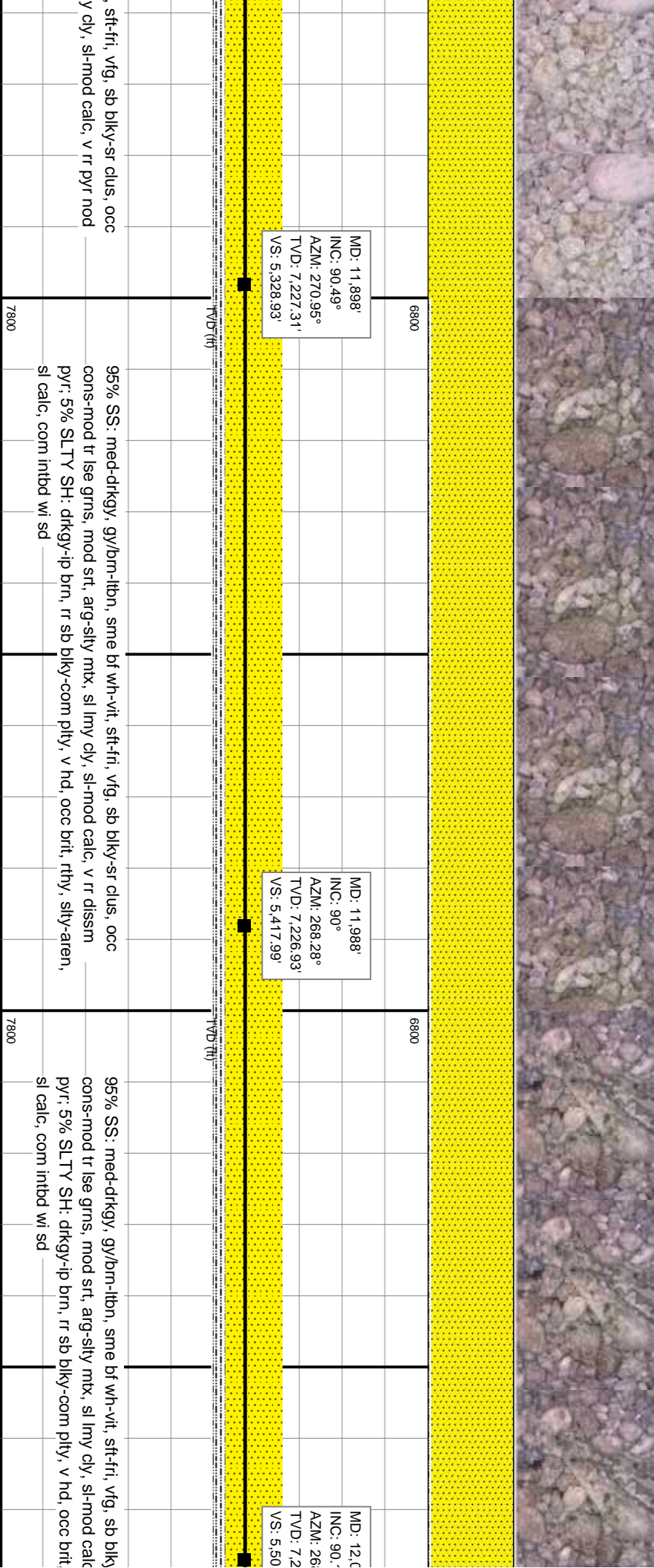
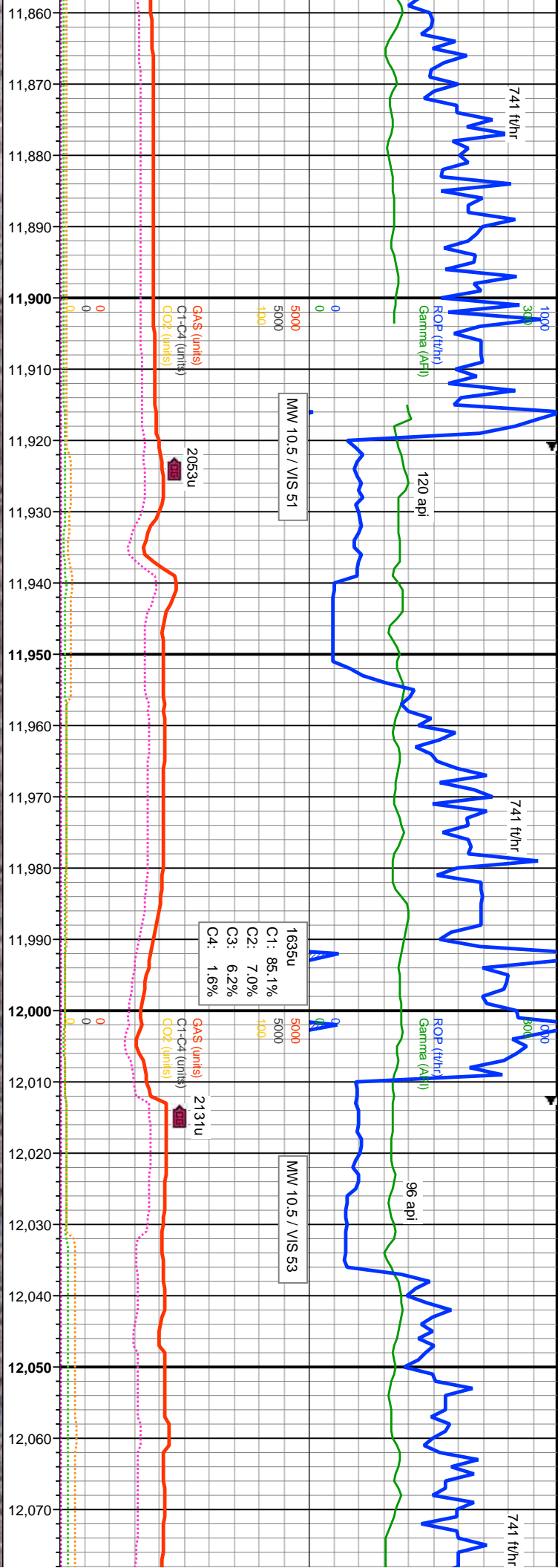
MD: 11,630'
INC: 90.49°
AZM: 271.59°
TVD: 7,229.81'
VS: 5,062.52'

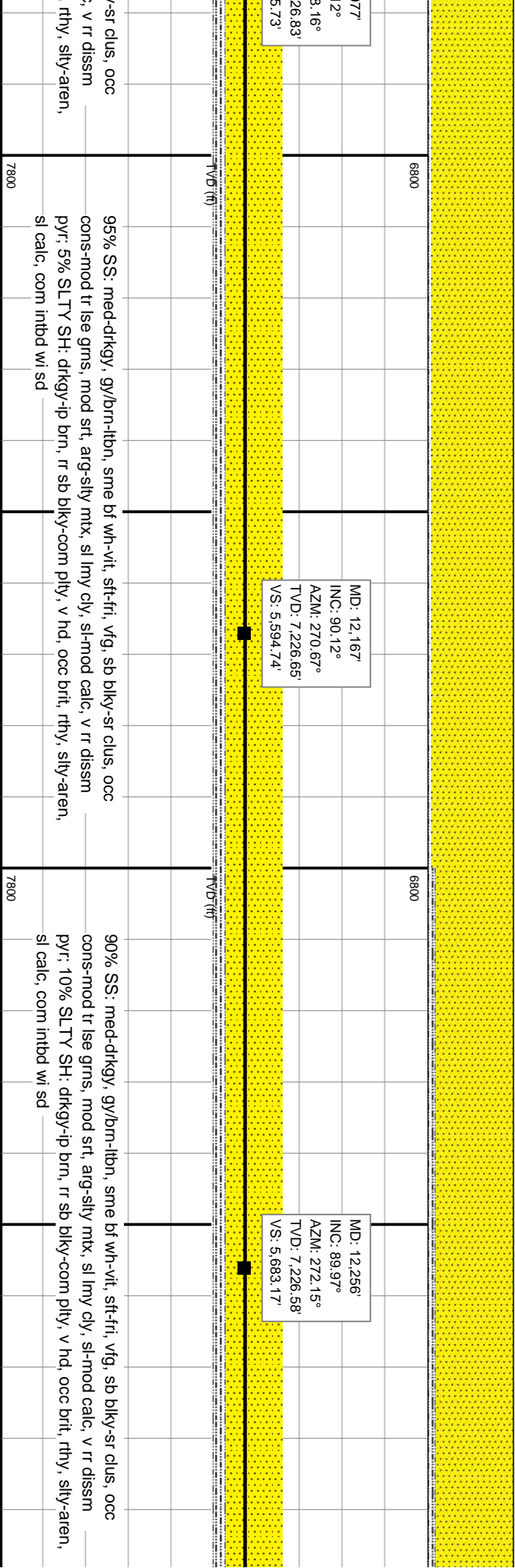
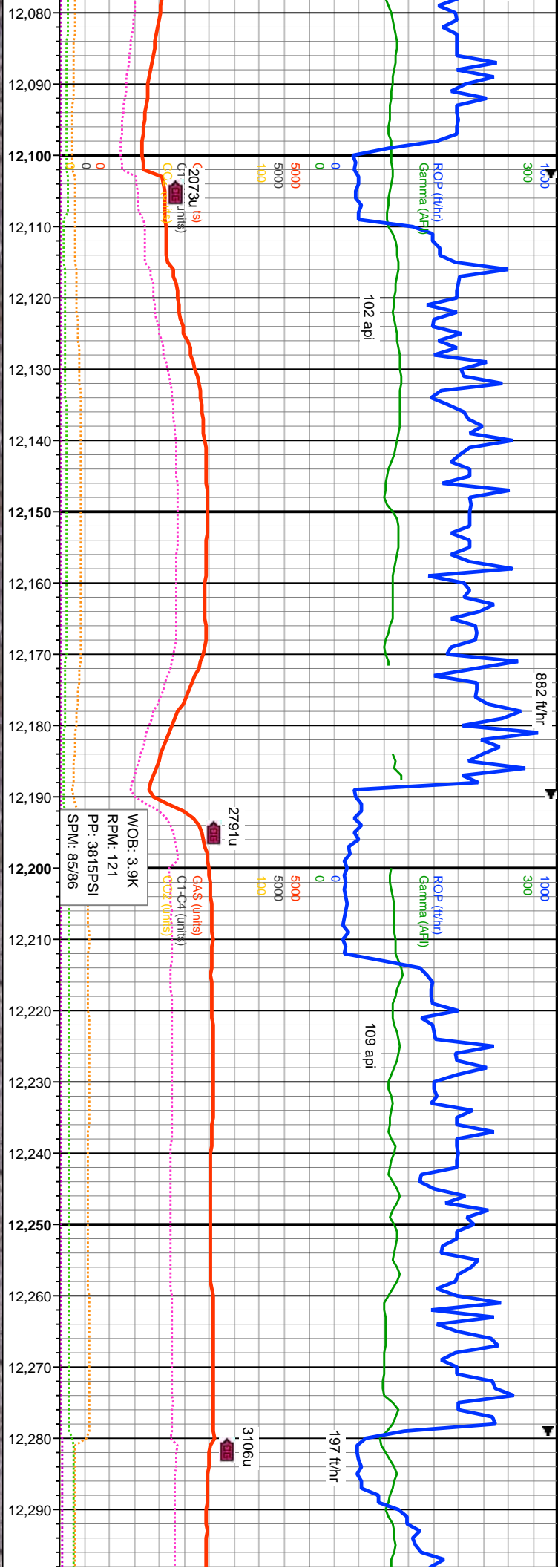
med-dkgy, gy/brn-tbn, sme bf wh-vit, sft-fri, vfg, sb blk-y-sr clus, pred
d tr lse gms, mod srt, arg-sily mtz, sl lmy cly, sl-mod calc, v r r diss
SLTY SH: dkgy-ip brn, r r sb blk-y-com ply, v hd, occ brit, rthy, sily-aren,
com intbd wi sd

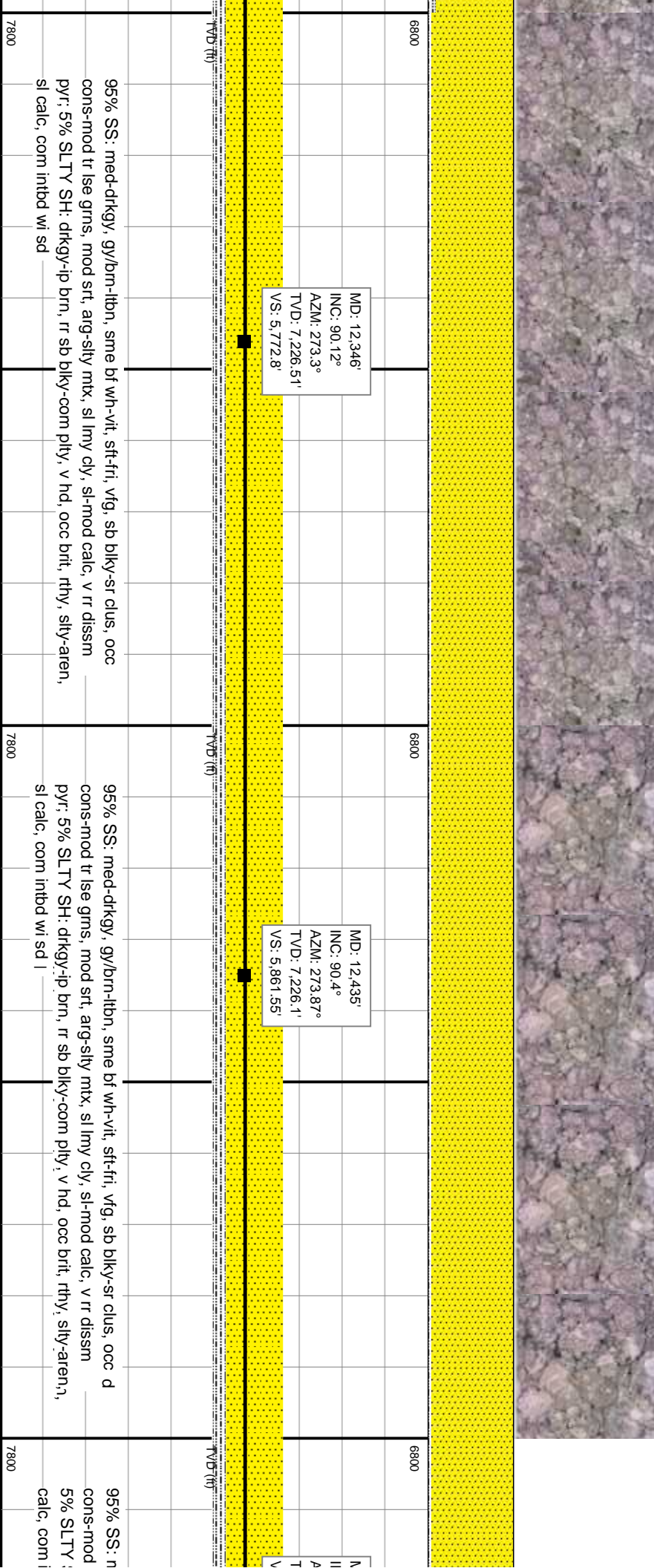
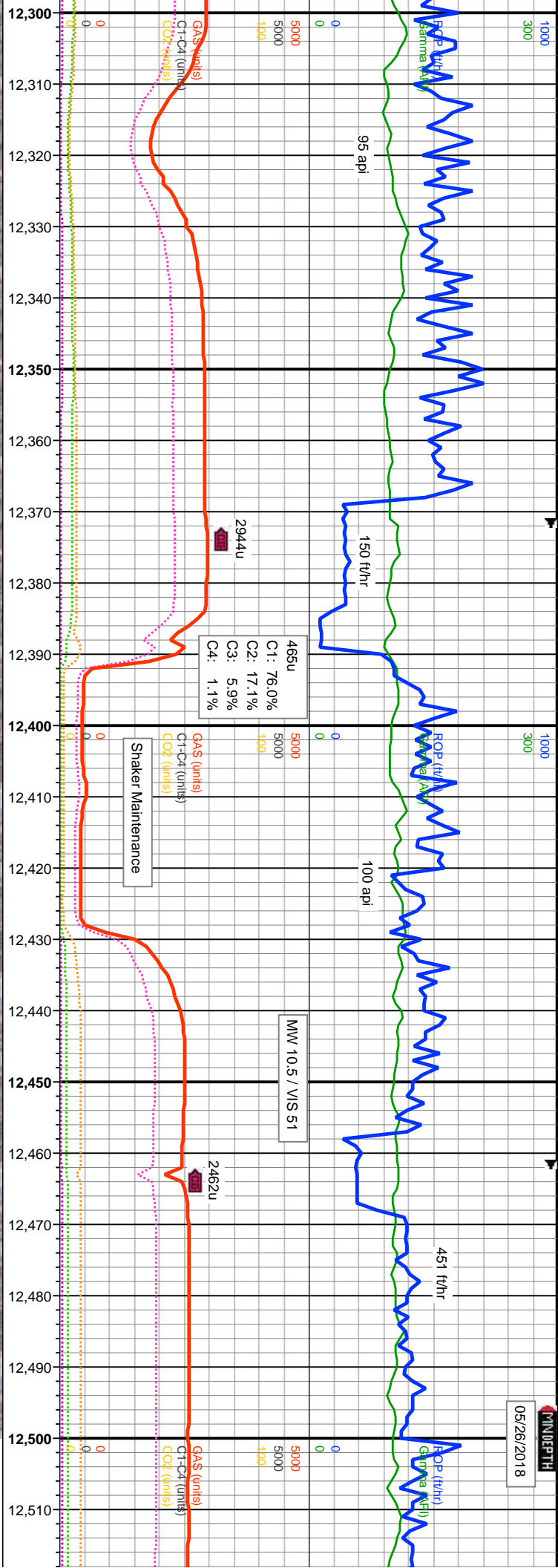
95% SS: med-dkgy, gy/brn-tbn, sme bf wh-vit, sft-fri, vfg, sb blk-y-sr clus, pred
cons-mod tr lse gms, mod srt, arg-sily mtz, sl lmy cly, sl-mod calc, v r r diss
pyr; 5% SLTY SH: dkgy-ip brn, r r sb blk-y-com ply, v hd, occ brit, rthy, sily-aren,
sl calc, com intbd wi sd

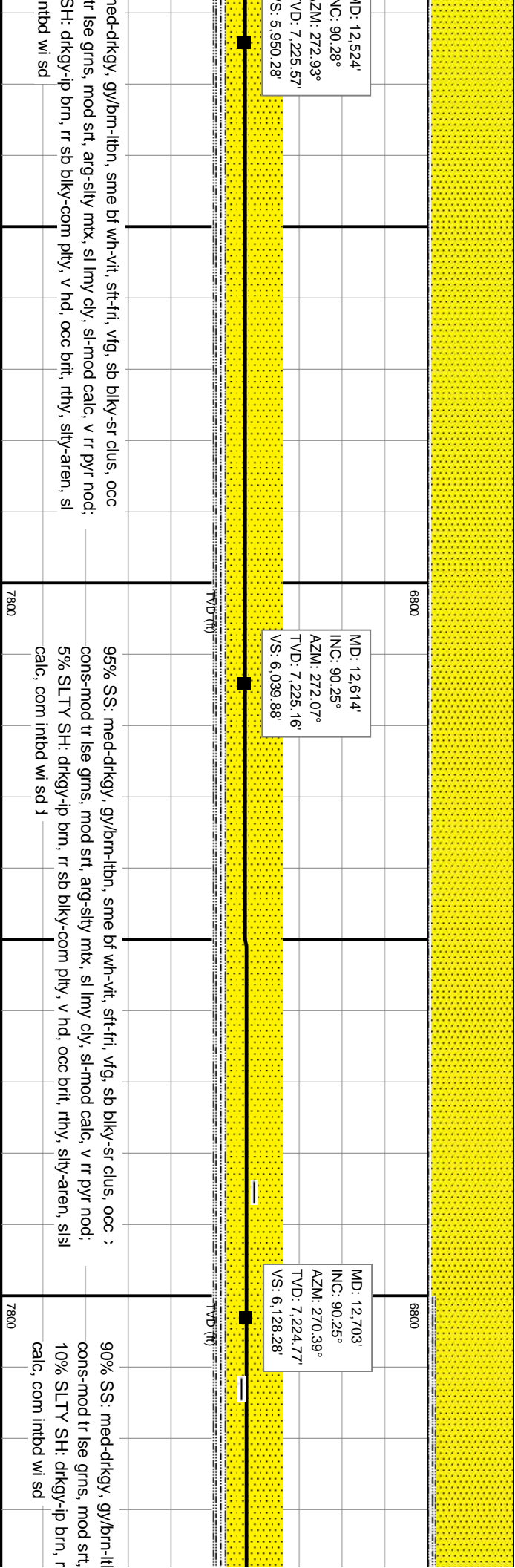
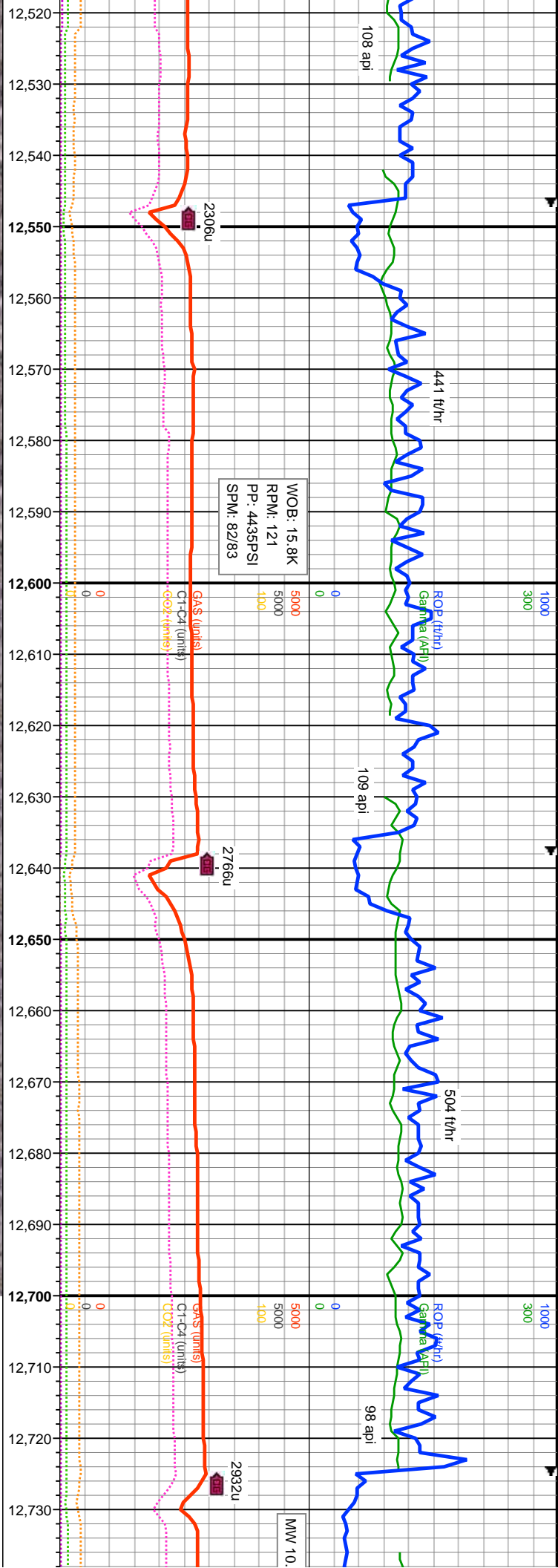
95% SS: med-dkgy, gy/brn
cons-mod tr lse gms, mod s
5% SLTY SH: dkgy-ip brn,
calc, com intbd wi sd

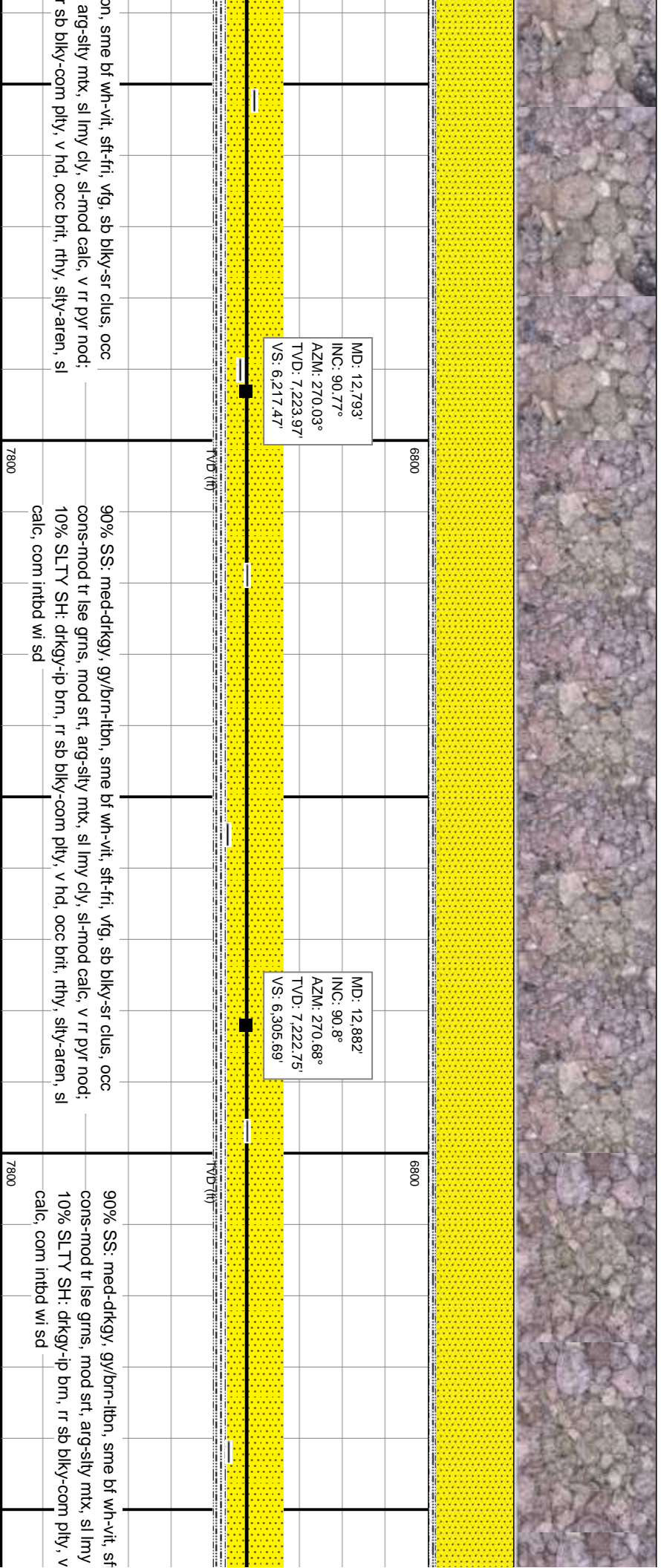
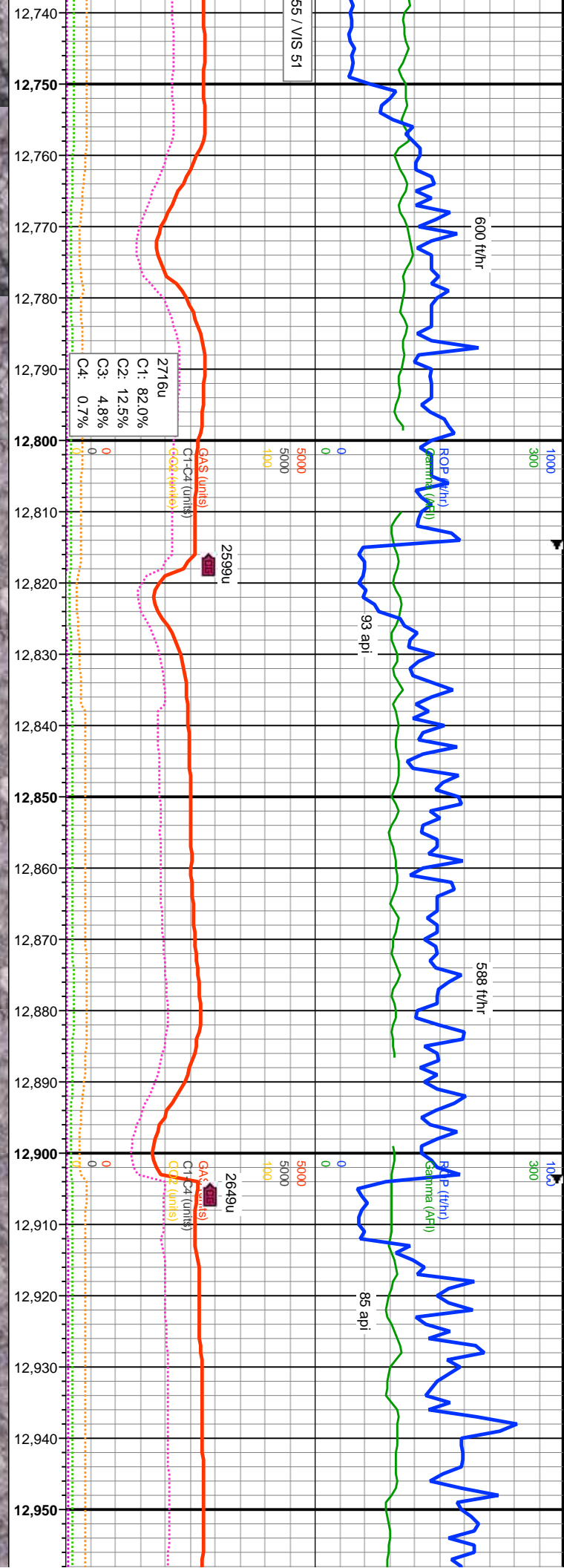


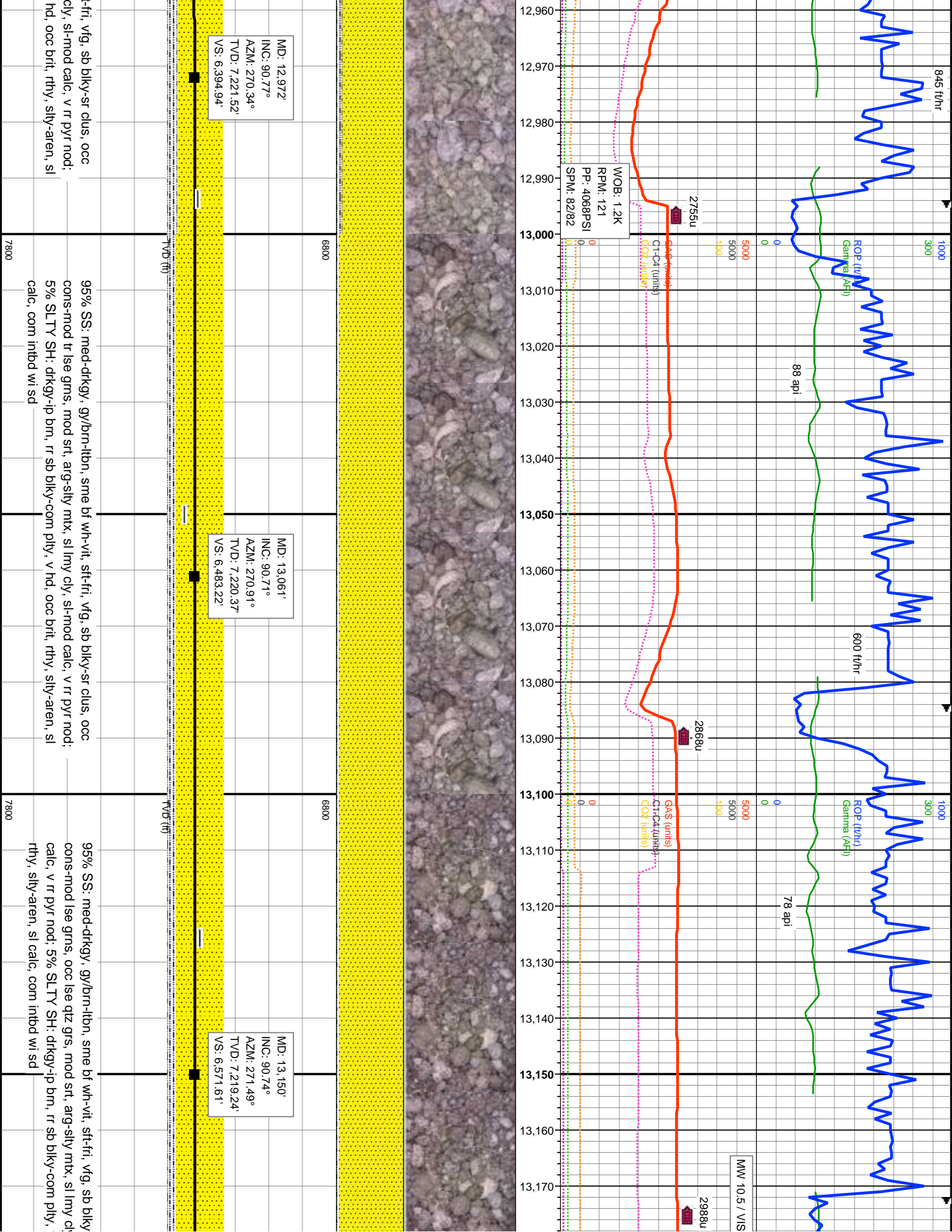


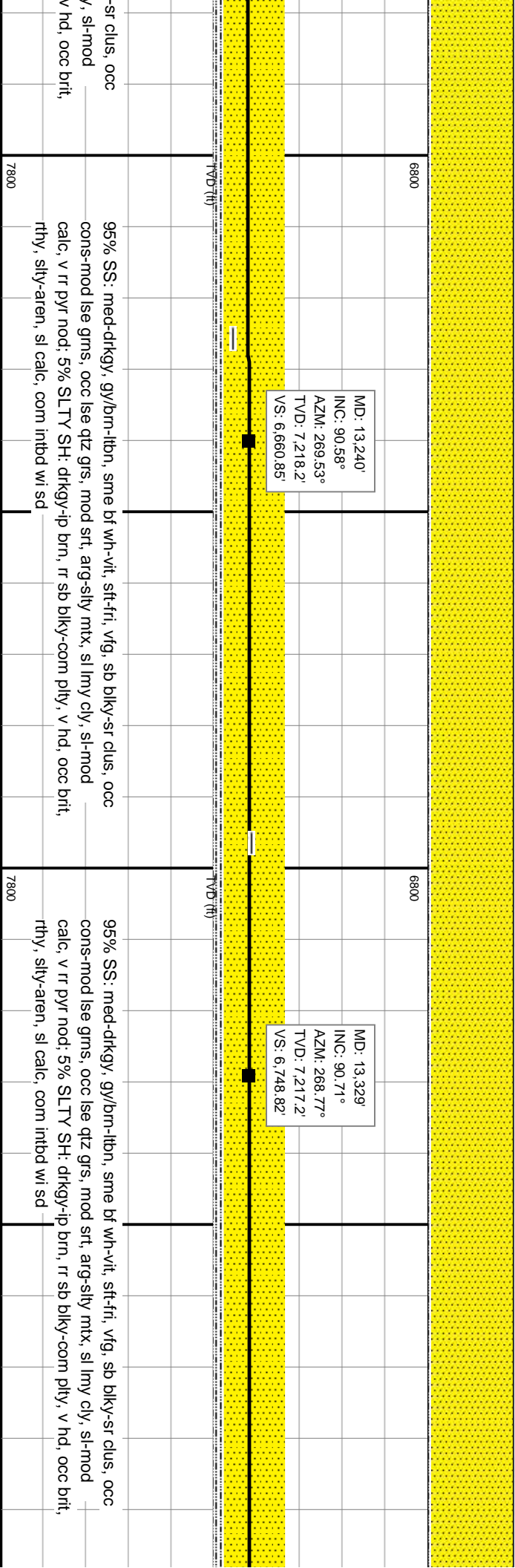
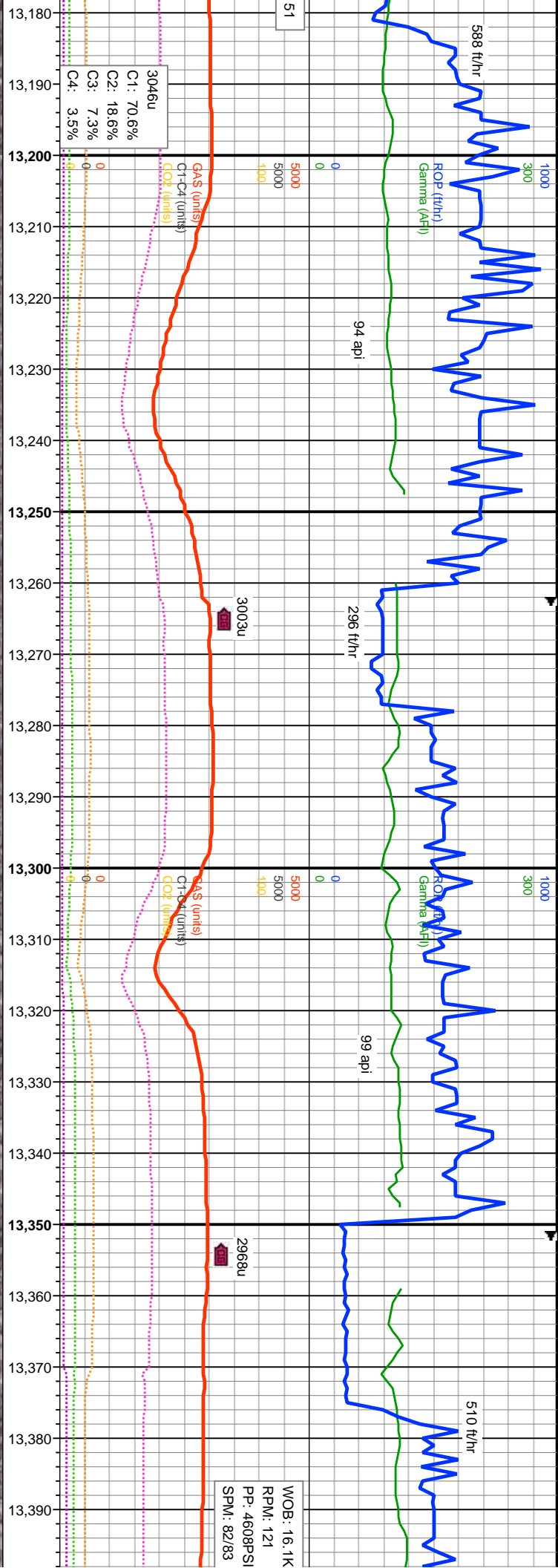


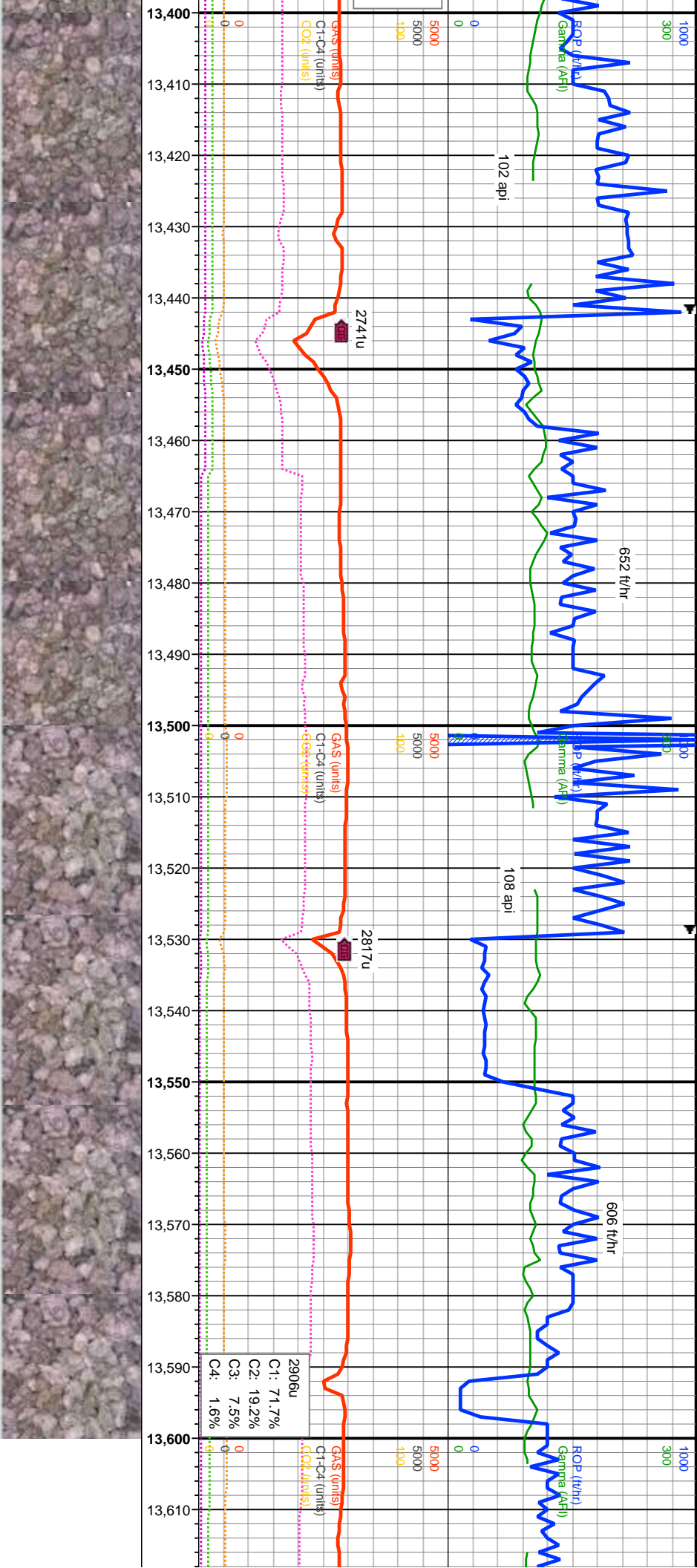












MD: 13,419'
INC: 90.37°
AZM: 268.14°
TVD: 7,216.35'
VS: 6.837.6'

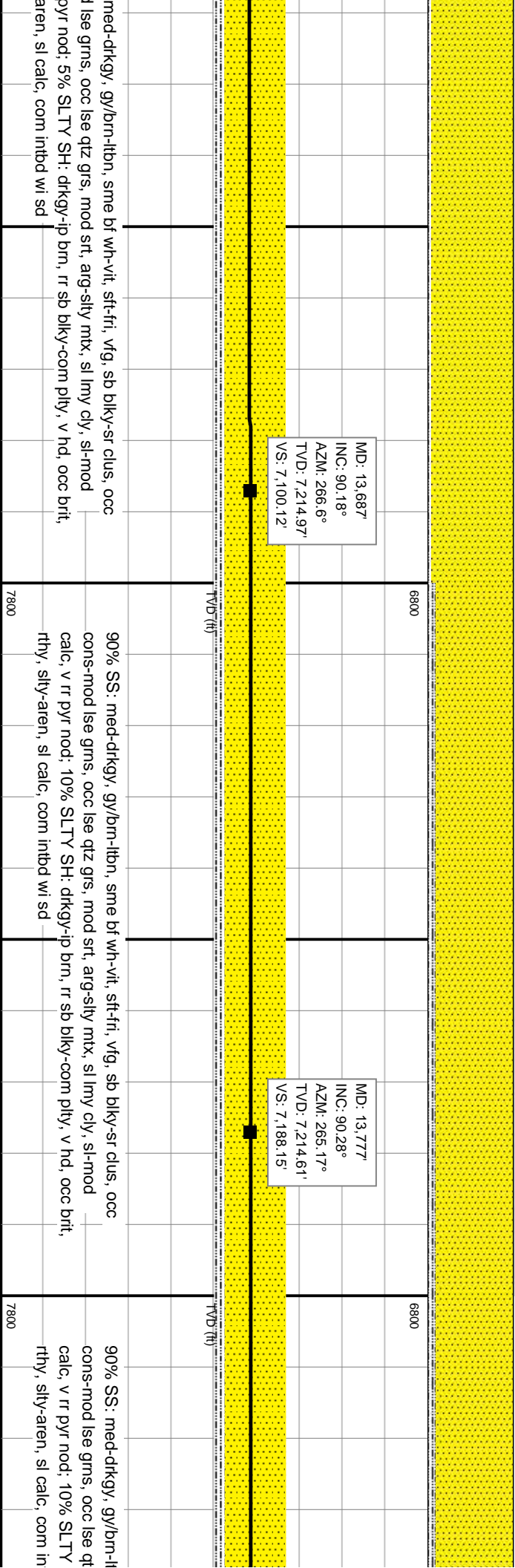
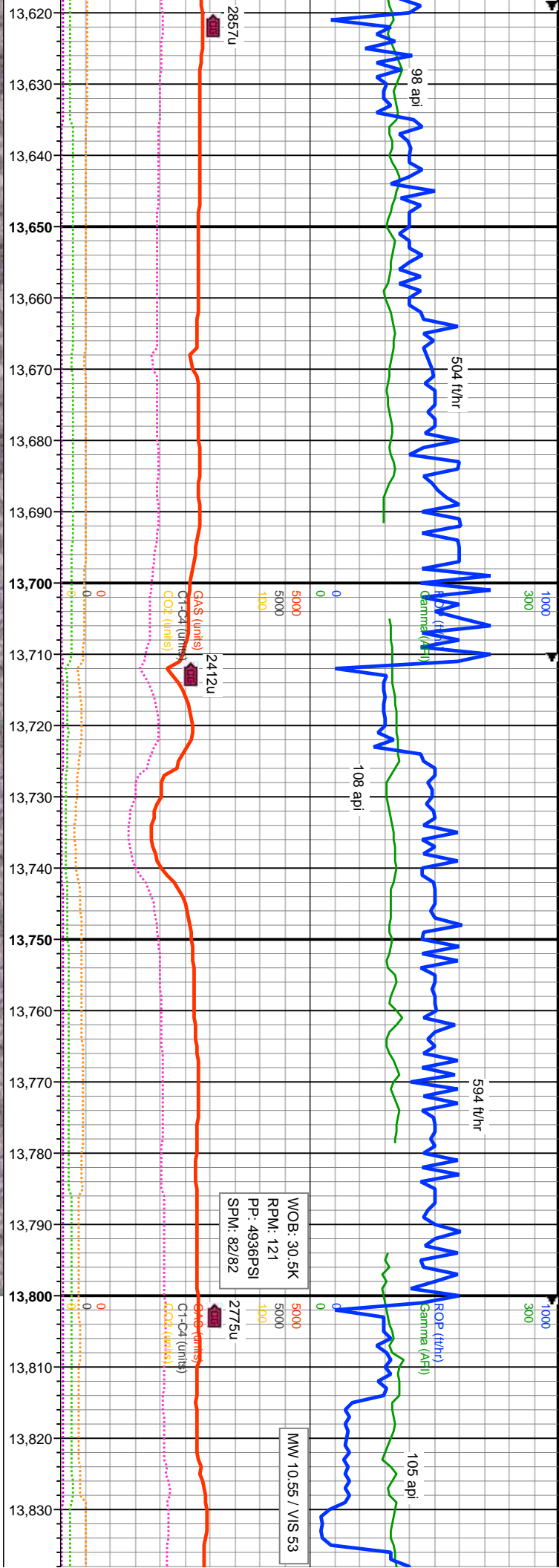
MD: 13,508'
INC: 90.43°
AZM: 266.32°
TVD: 7,215.73'
VS: 6.925.06'

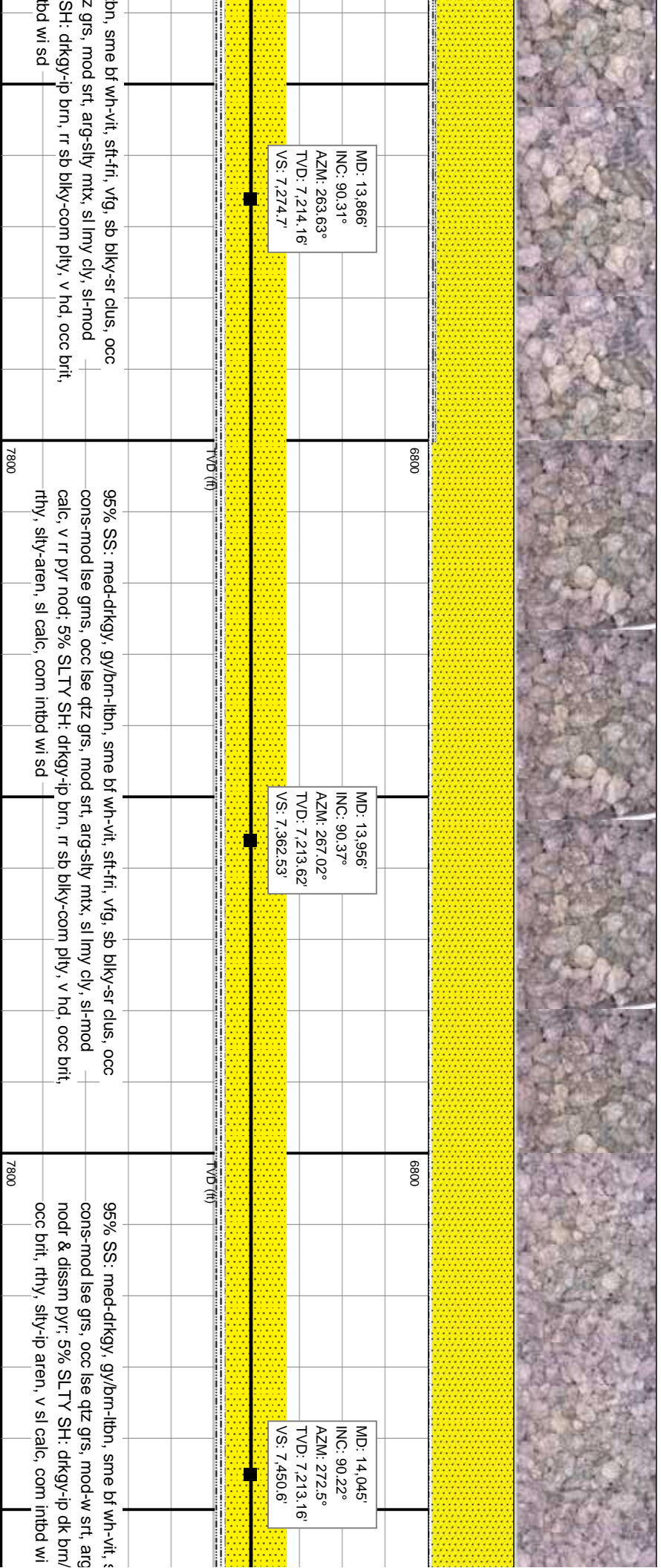
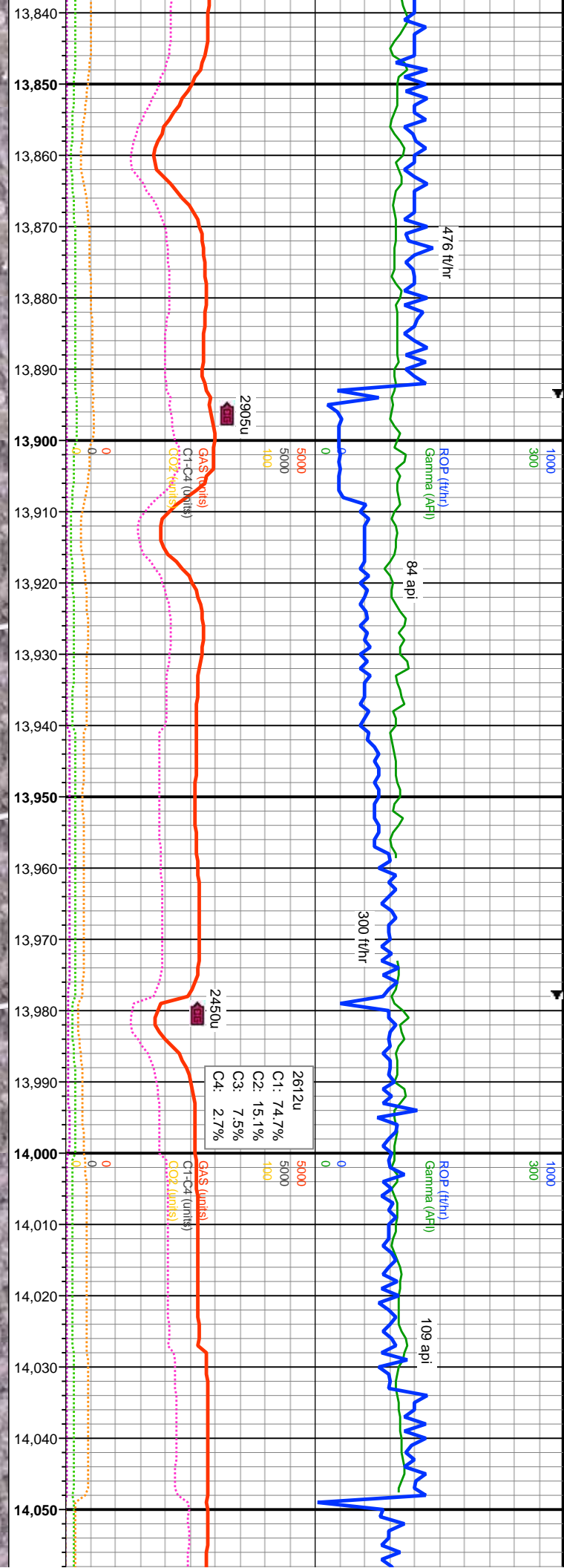
MD: 13,597'
INC: 90.18°
AZM: 265.23°
TVD: 7,215.26'
VS: 7.012.08'

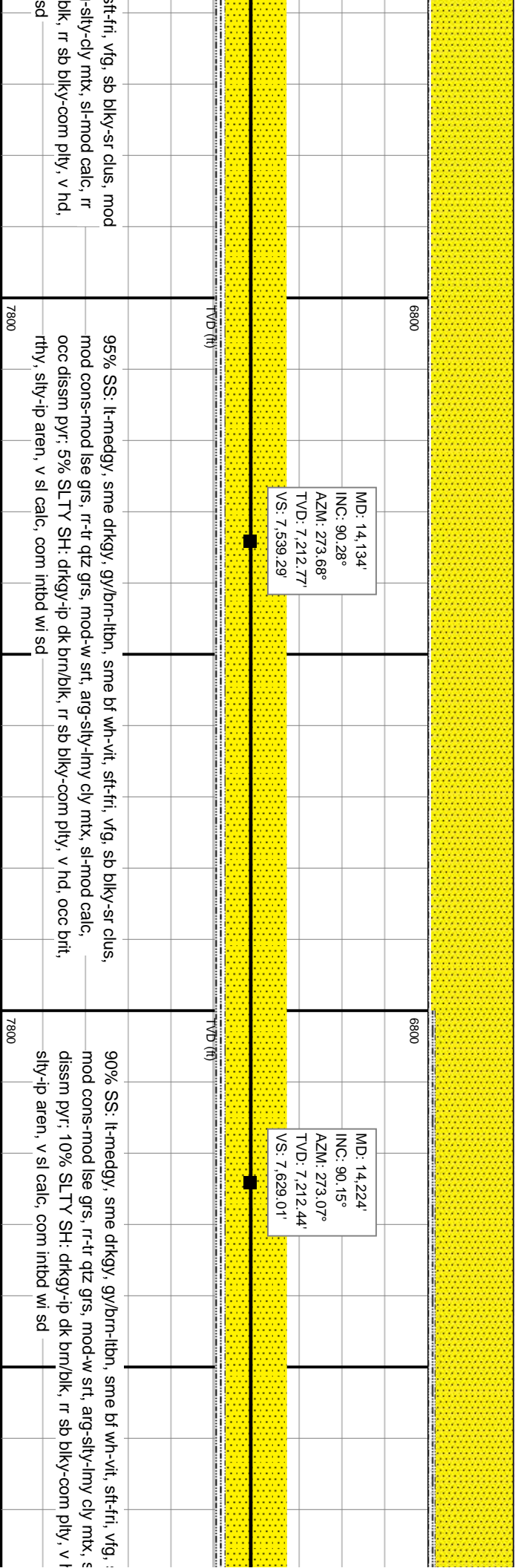
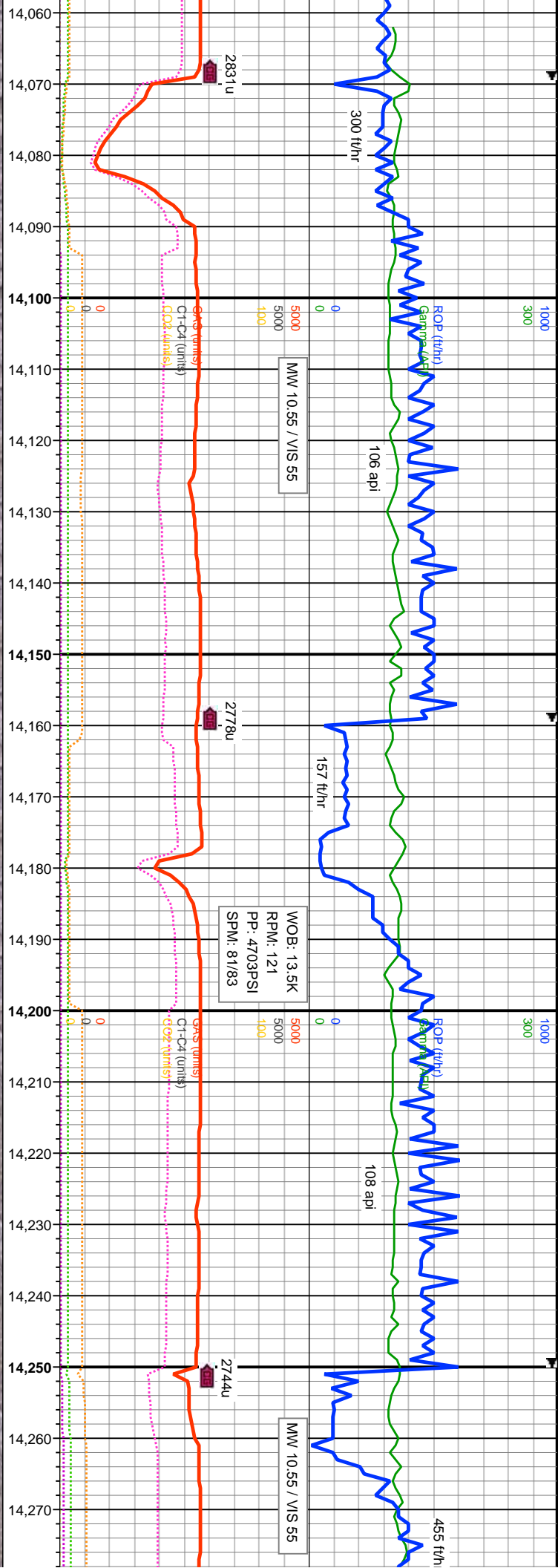
95% SS: med-drkgy, gy/bm-lbn, sme bf wh-vit, sft-fri, vfg, sb blk-y-sr clus, occ cons-mod lse grns, occ lse qtz grs, mod srt, arg-sily mtz, sl lmy cly, sl-mod calc, v rr pyr nod; 5% SLTY SH: drkgy-ip brn, rr sb blk-y-com pily, v hd, occ brit, rthy, sily-aren, sl calc, com intbd wi sd

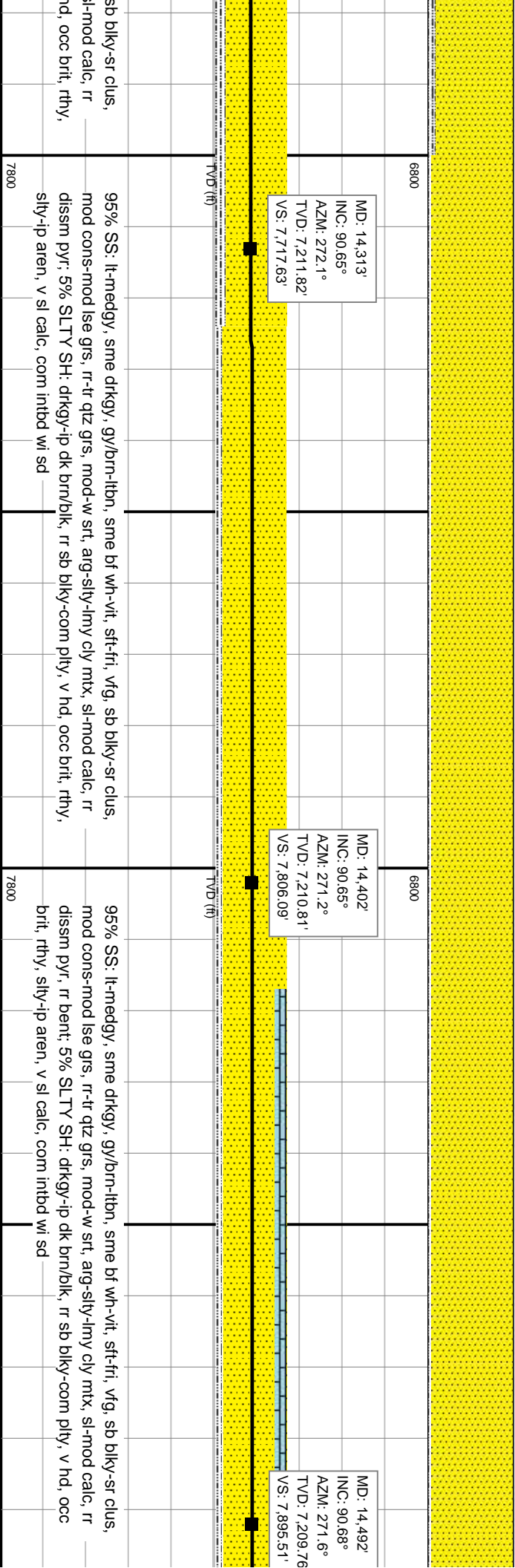
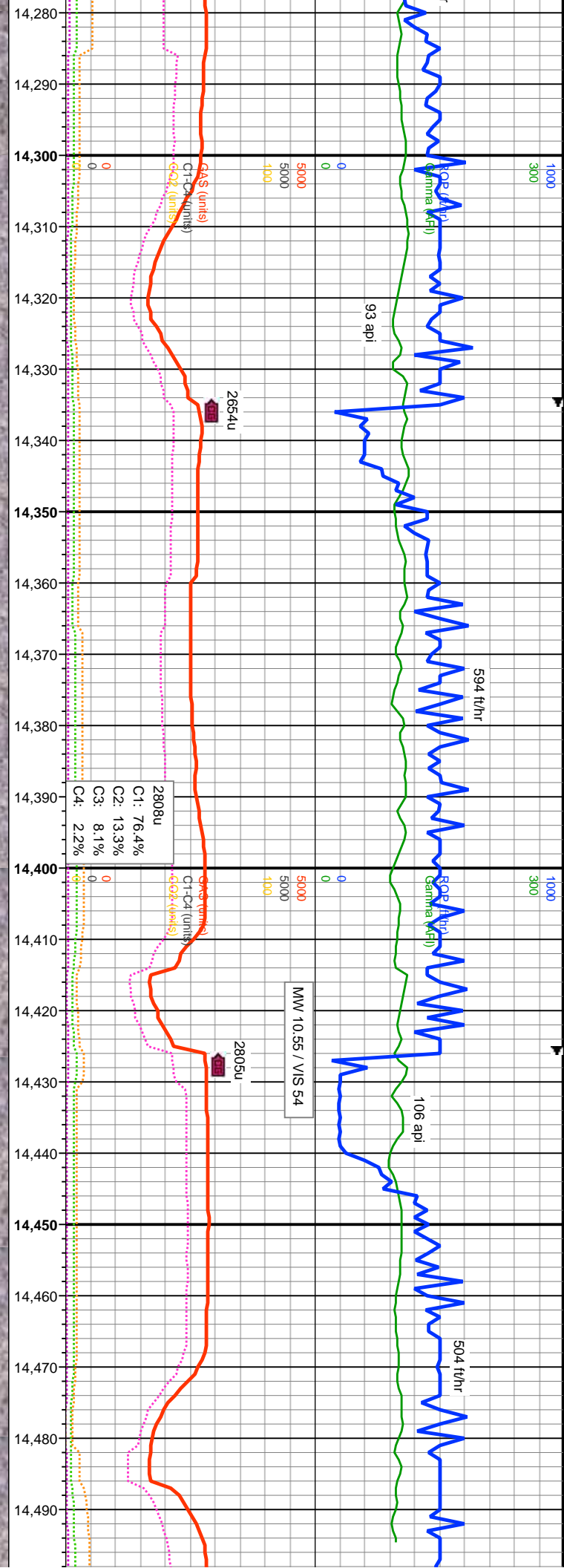
95% SS: med-drkgy, gy/bm-lbn, sme bf wh-vit, sft-fri, vfg, sb blk-y-sr clus, occ cons-mod lse grns, occ lse qtz grs, mod srt, arg-sily mtz, sl lmy cly, sl-mod calc, v rr pyr nod; 5% SLTY SH: drkgy-ip brn, rr sb blk-y-com pily, v hd, occ brit, rthy, sily-aren, sl calc, com intbd wi sd

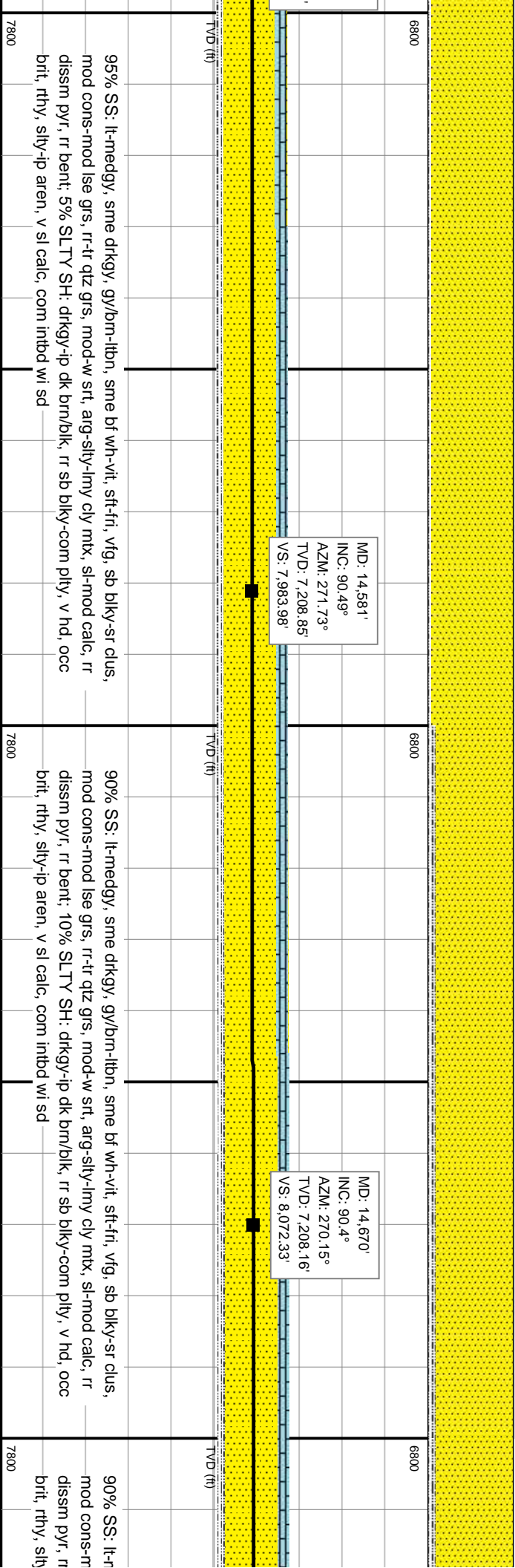
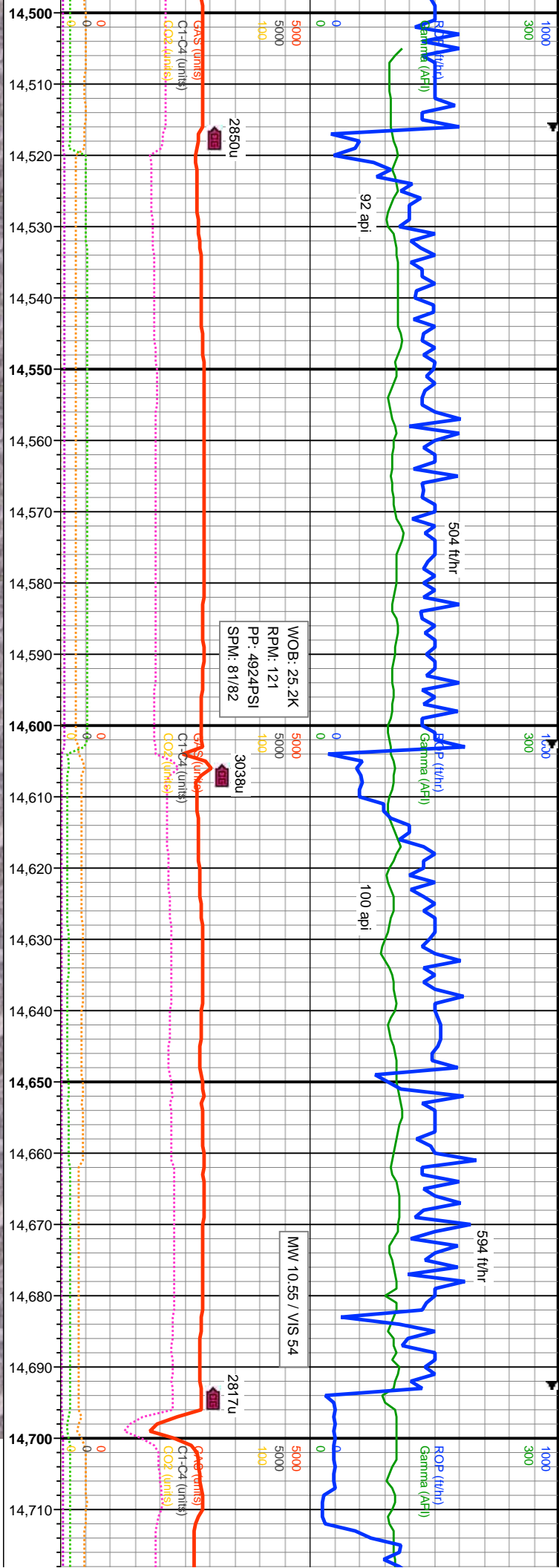
95% SS: cons-moc calc, v rr rthy, sily-

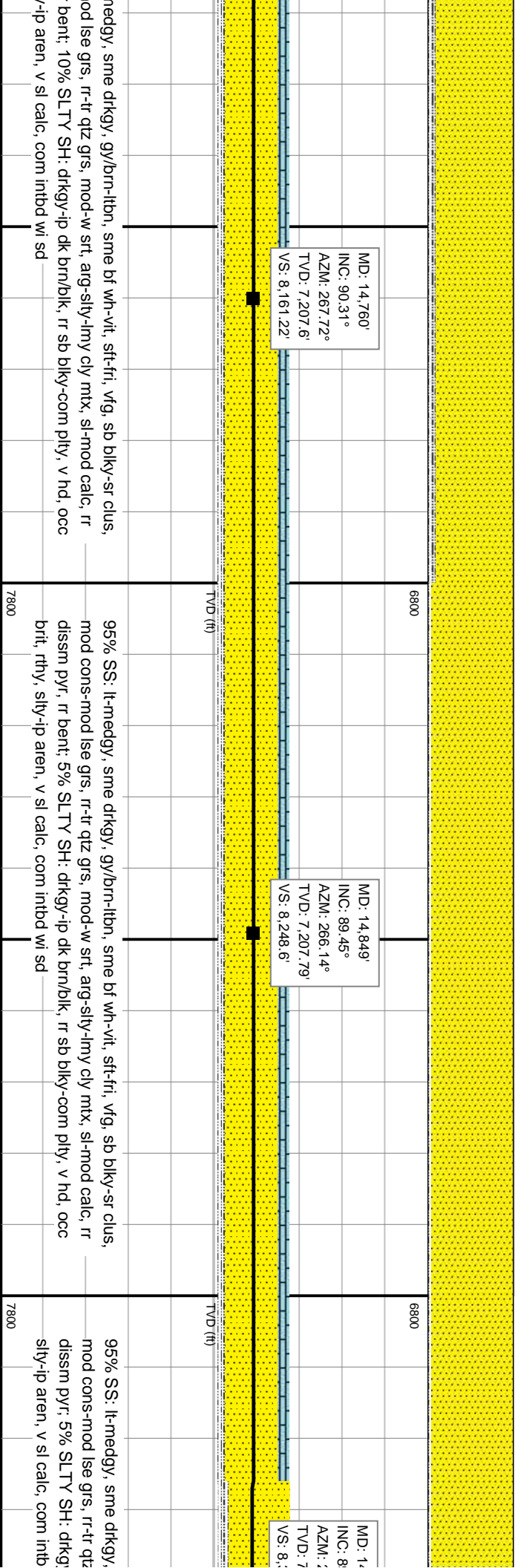
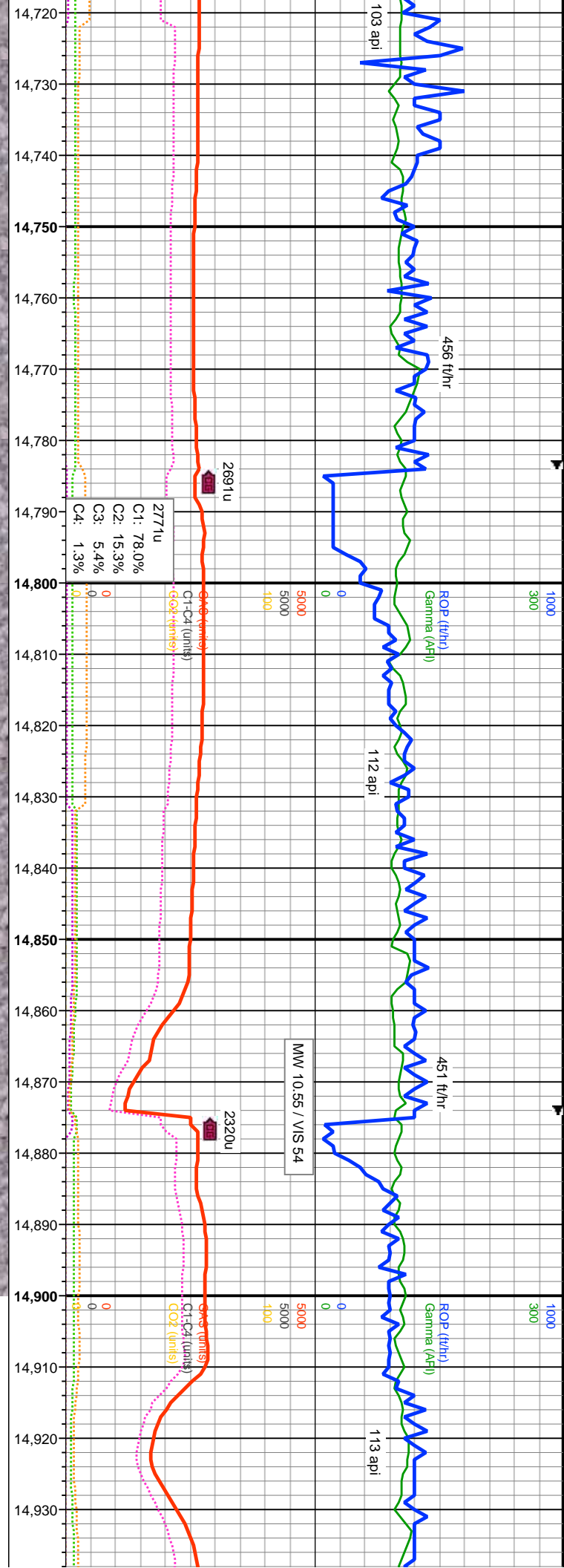


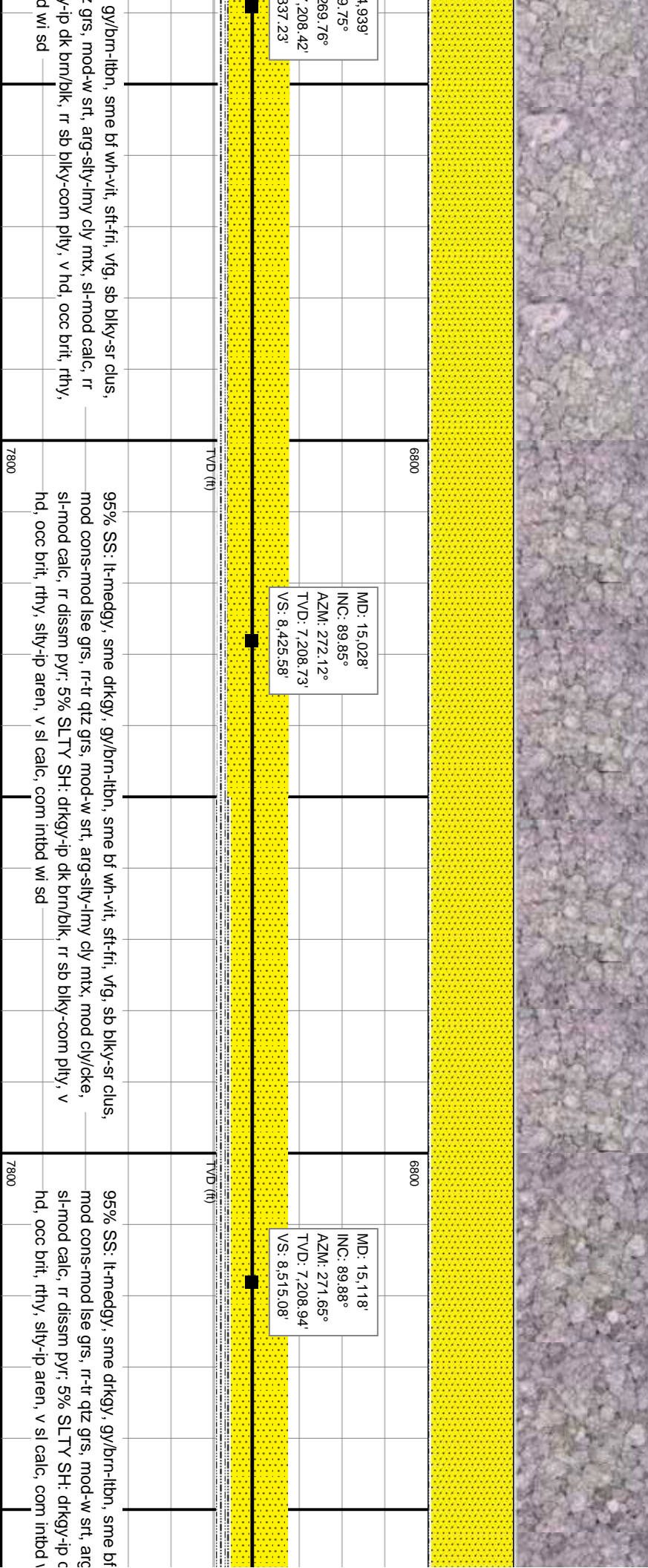
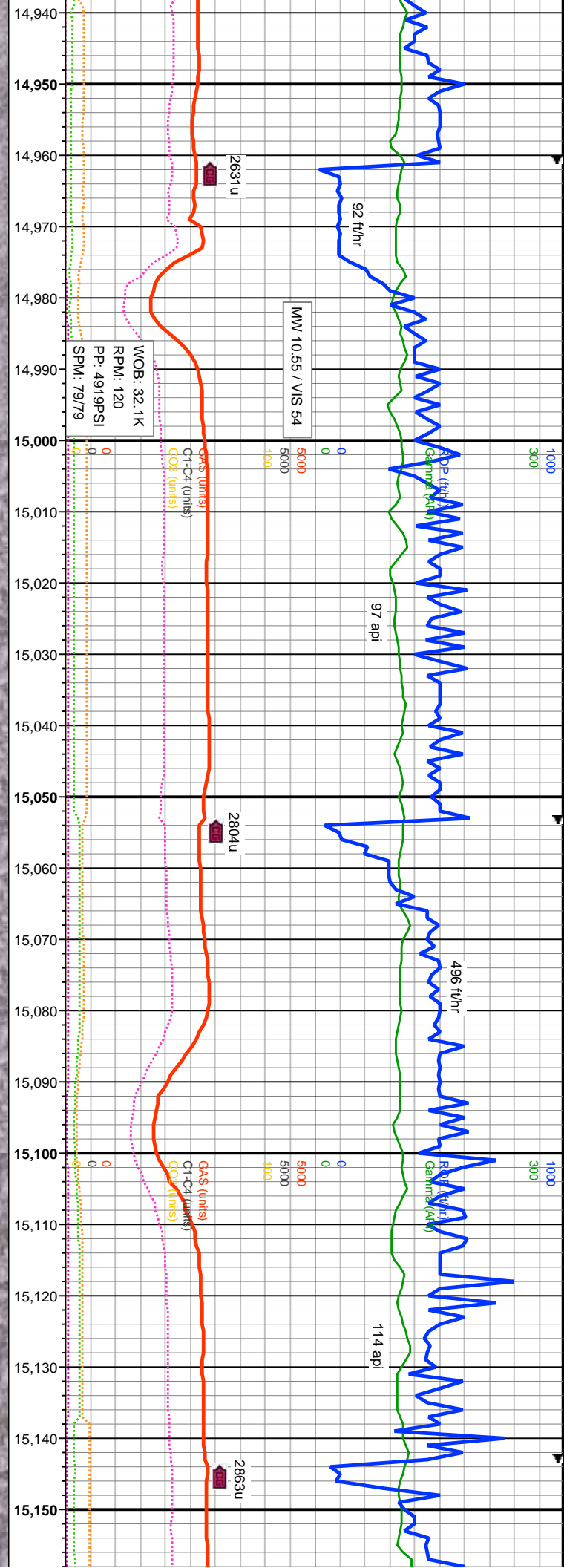


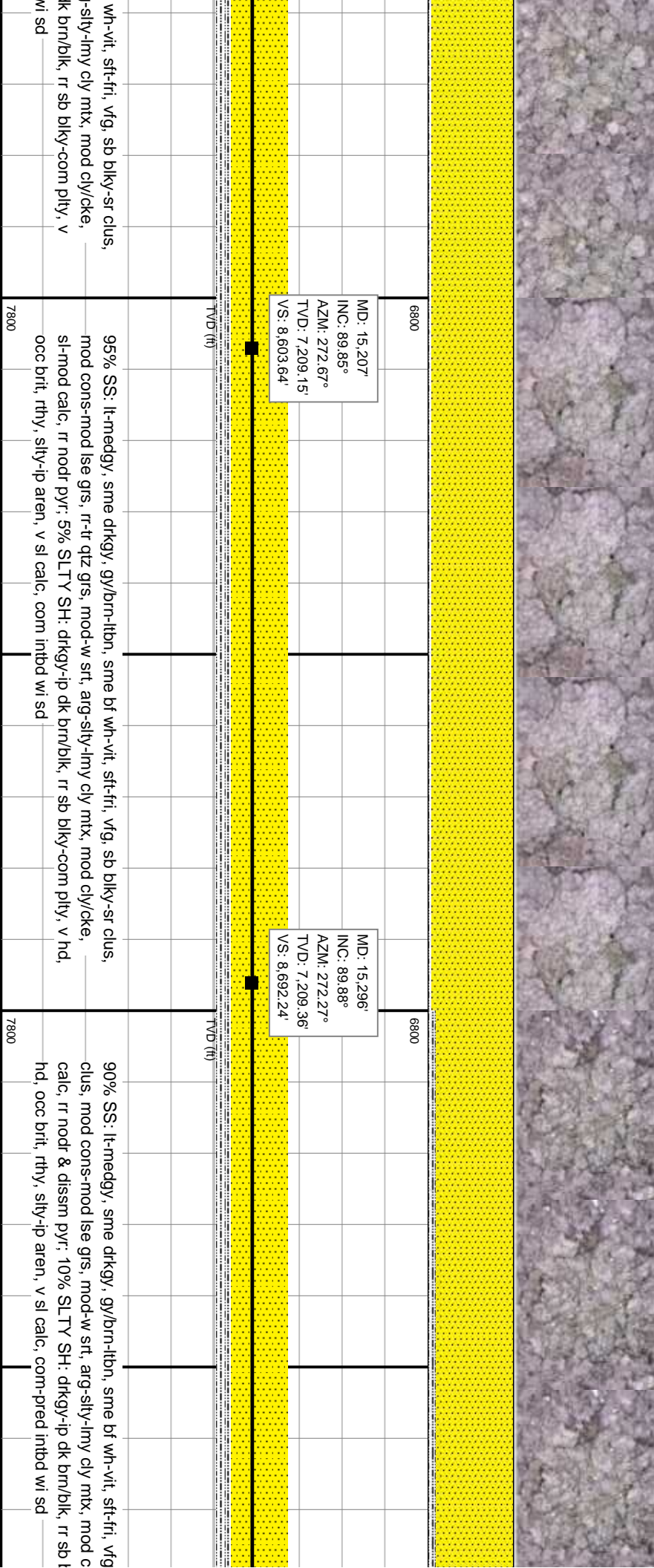
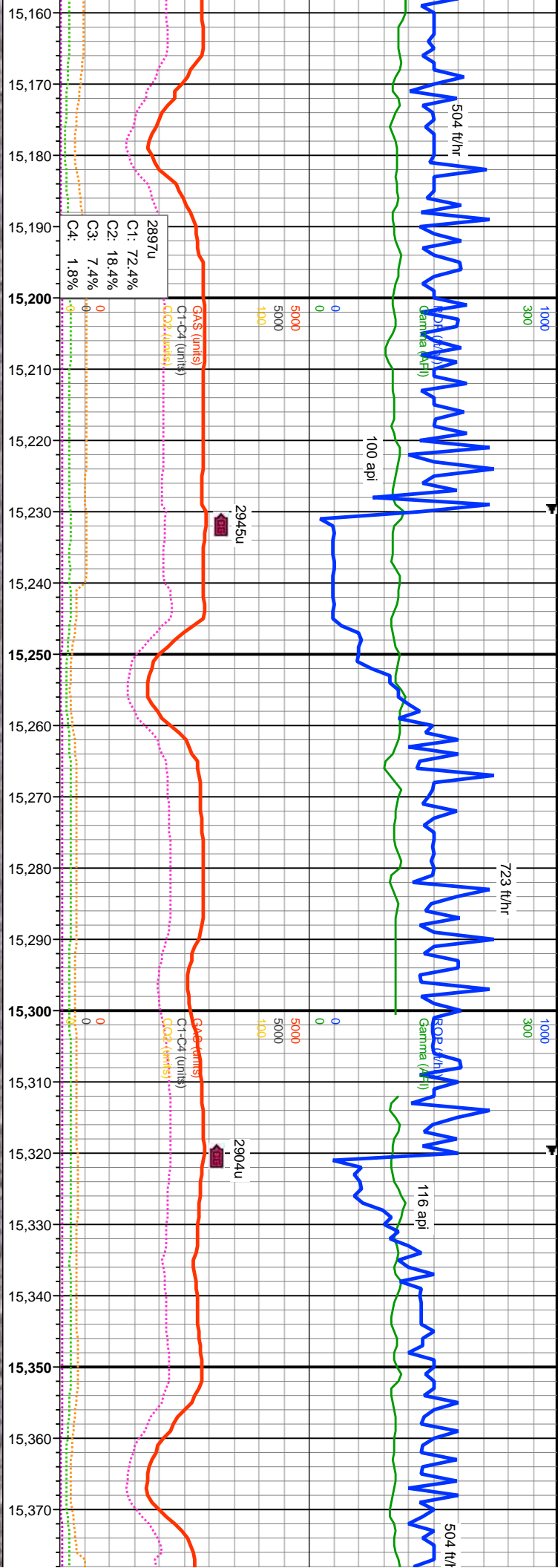


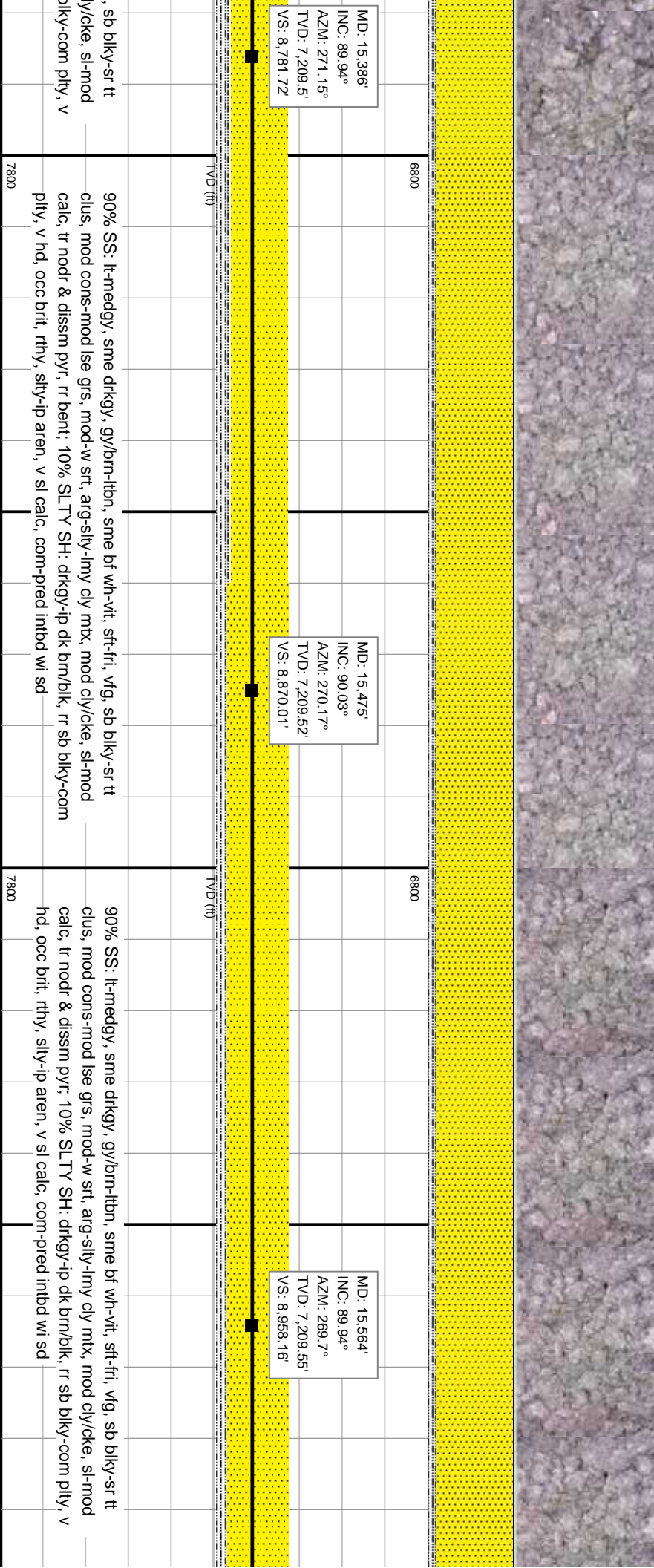
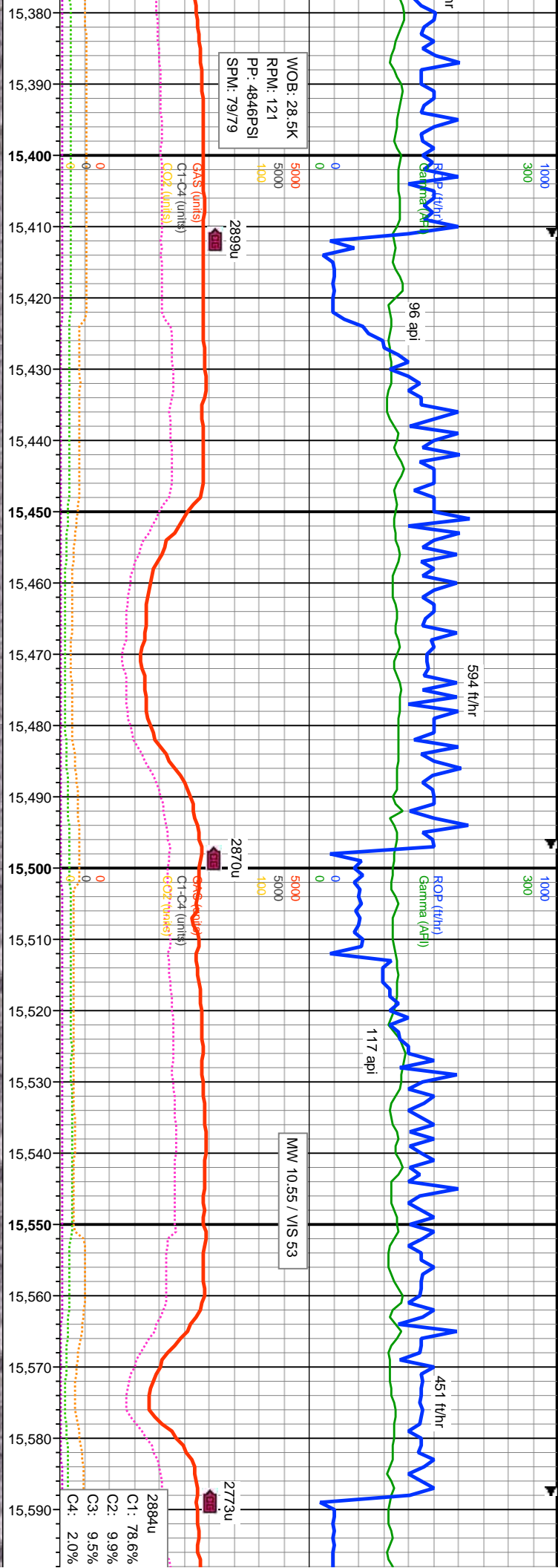


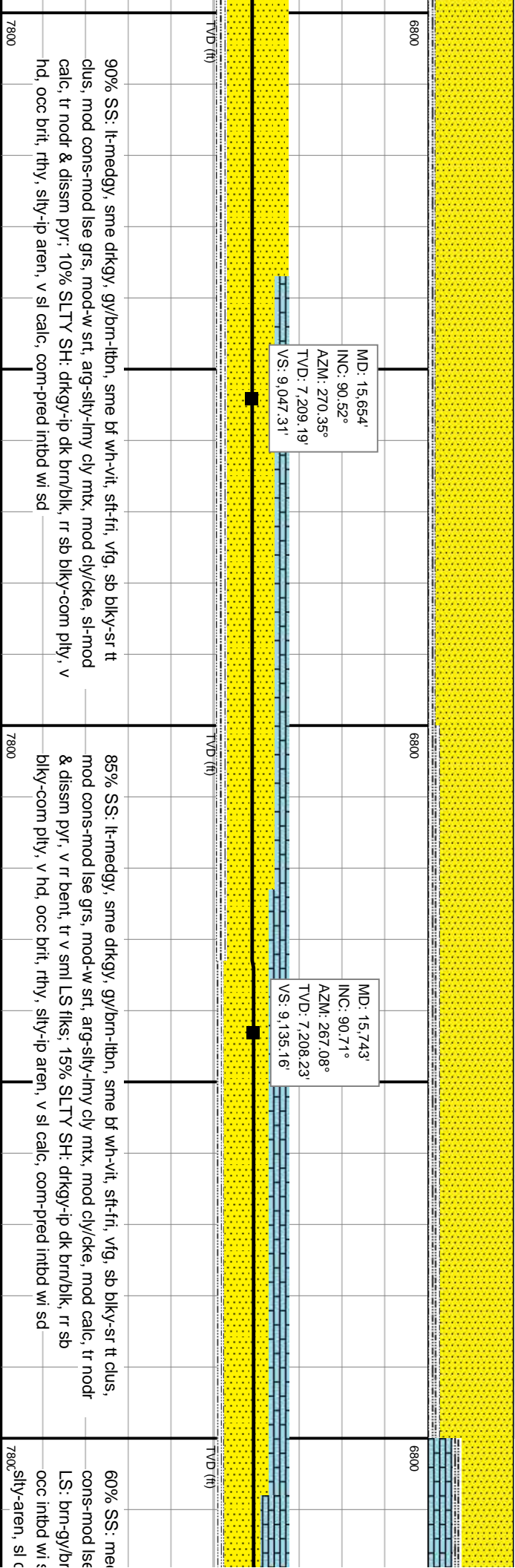
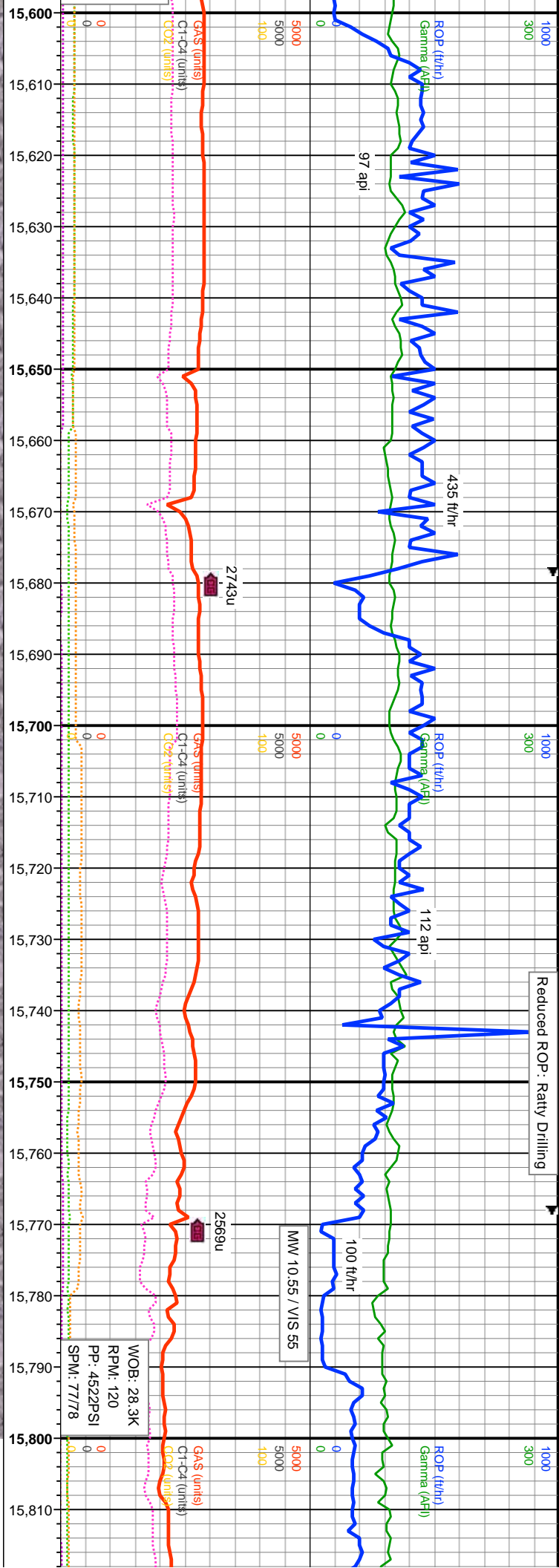


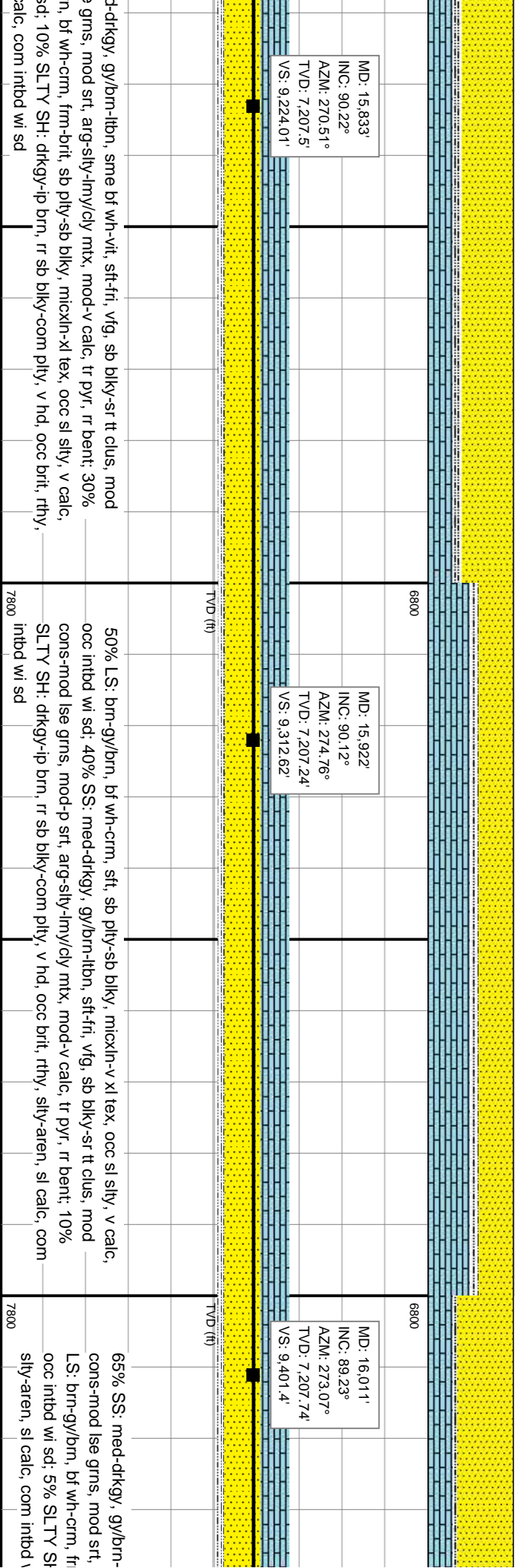
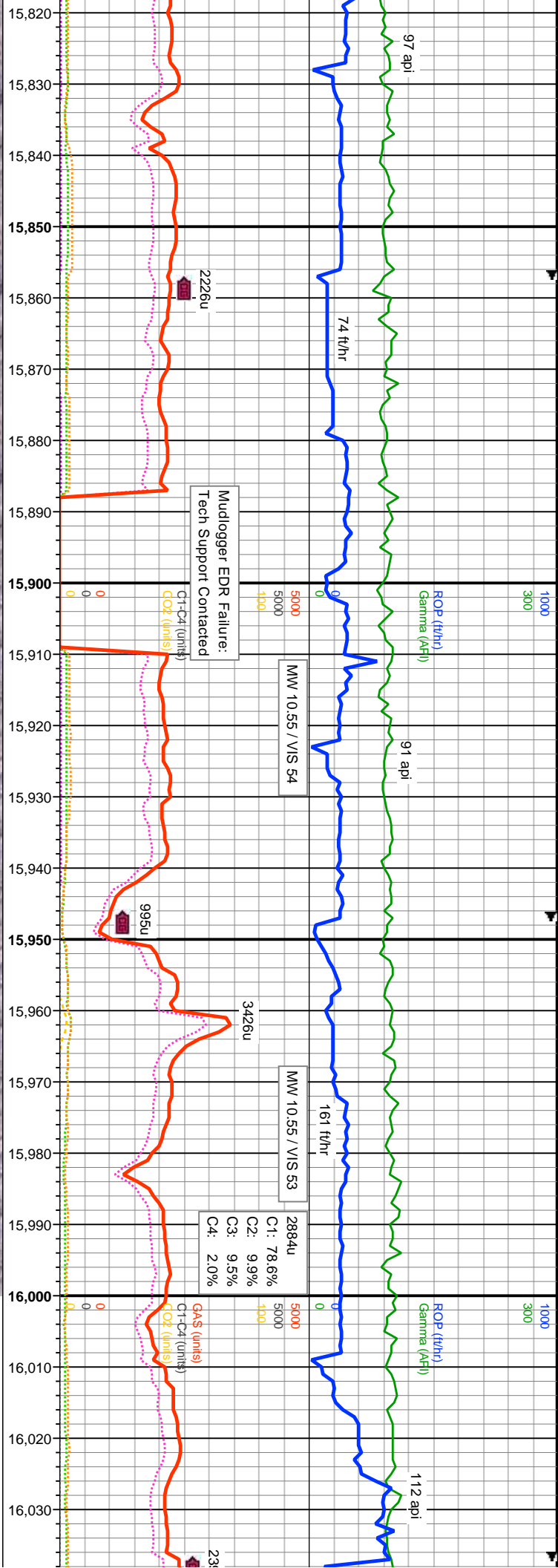


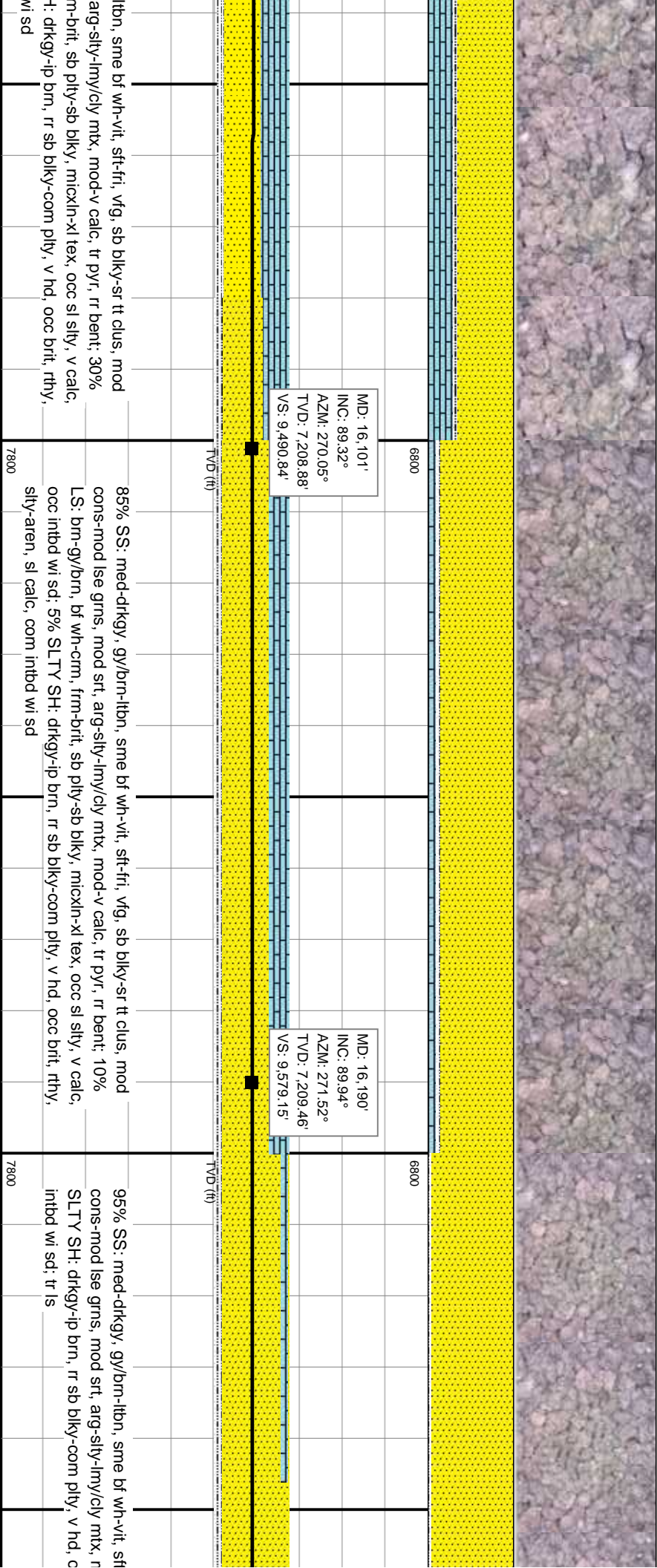
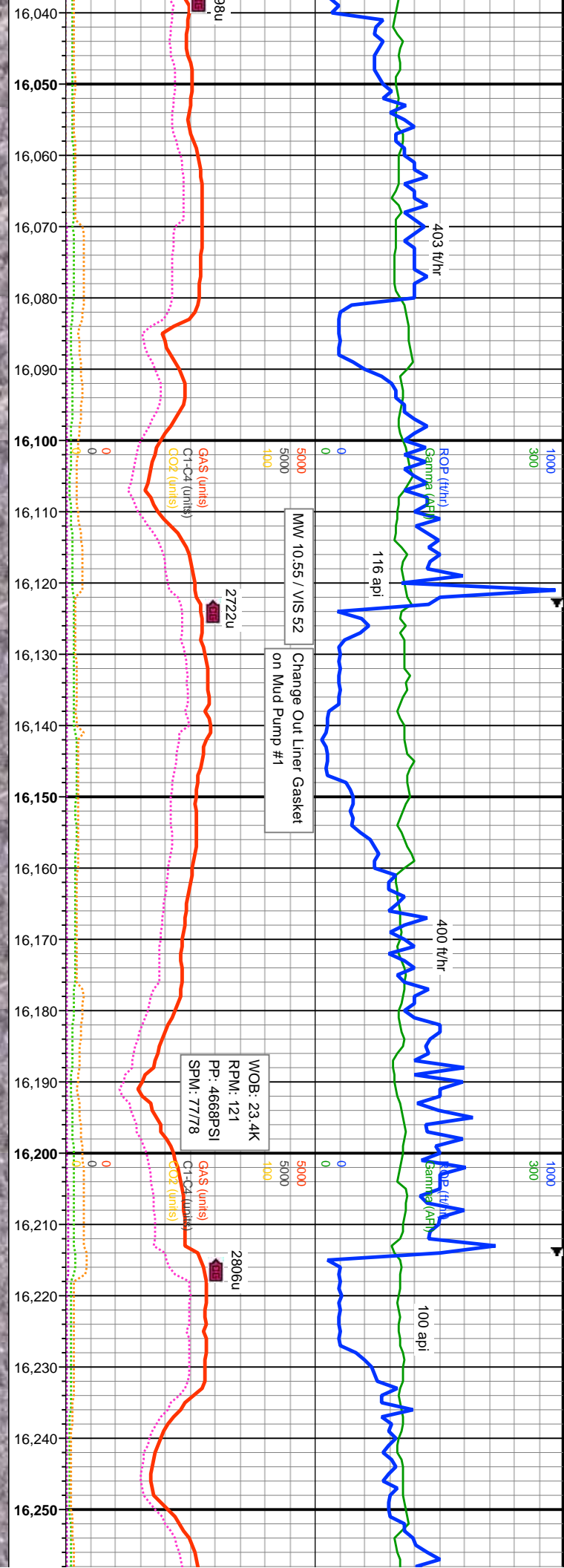


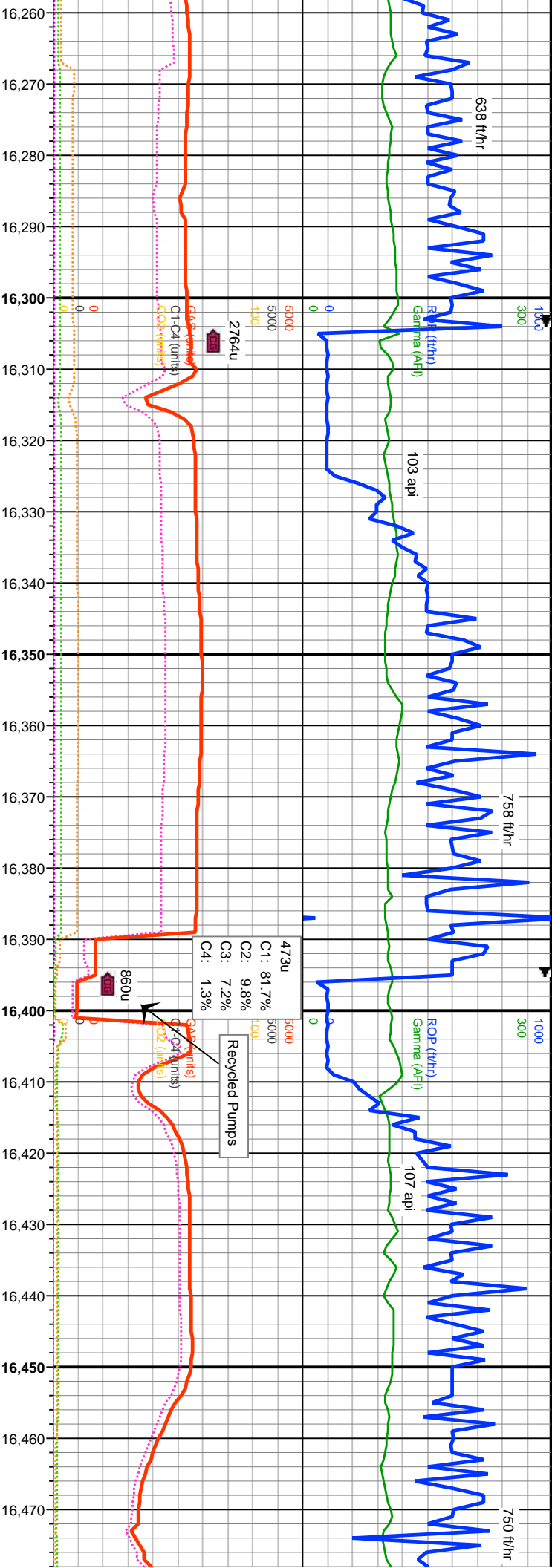












MD: 16,279'
INC: 90.22°
AZM: 273.55°
TVD: 7,209.33'
VS: 9,667.76'

MD: 16,369'
INC: 90.25°
AZM: 274.49°
TVD: 7,208.96'
VS: 9,757.55'

MD: 16,458'
INC: 89.97°
AZM: 274.4°
TVD: 7,208.79'
VS: 9,846.39'

