



Scale: 5" / 100'
Measured Depth Log

Well Name Schneider HD 11-019HN

Location SECTION 7, T4N, R66W

State COLORADO

County WELD

Country UNITED STATES

Rig Number PRECISION 460

API Number 051234640400

AFE # 19DC0215

Geographic Region DJ BASIN

Field WATTENBERG

Ground Elevation 4735.0'

K.B. Elevation 4755.0'

Logged Interval 6000' MD To 18296' MD

Total Depth 18296' MD

Formation NIOBRARA C CHALK

Type of Drilling Fluid OIL BASED MUD

Operator

Company Great Western Operating Company, LLC

Address 1001 17th Street, Suite 2000
Denver, CO 80202



Geologist

Name Joey Luce, Zac Olds, Hunter Newman

Company Terra Guidance

Address 67 W. Floyd Ave. Ste 105
Englewood, CO 80110
(970) 260-5408

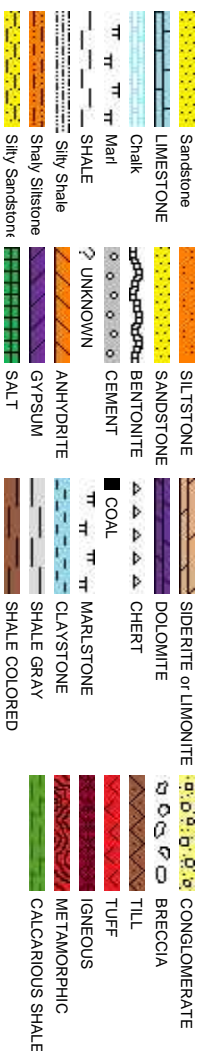


Other

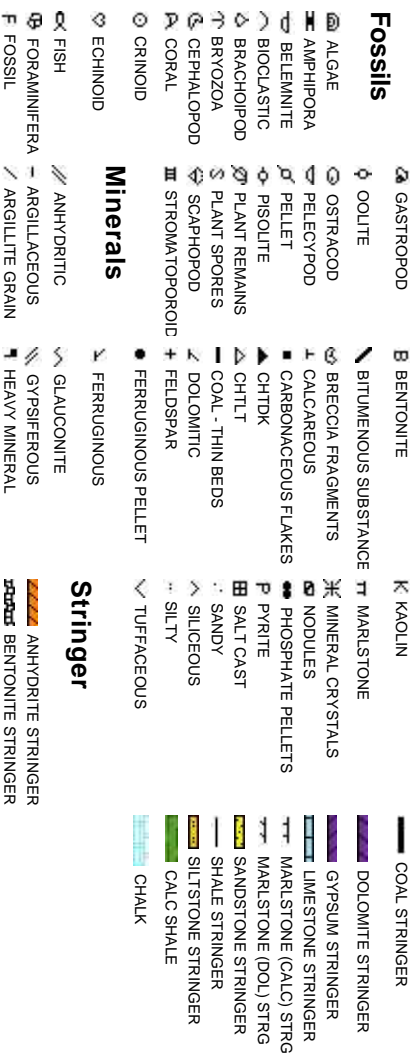
MUDLOG START DATE 09/21/2019

MUDLOG END DATE 09/23/2019

Rock Types



Accessories



Fossils

Minerals

Stringer



Oil Show

O ORGANIC

P PINPOINT

DEAD

V VUGGY

EVEN

QUESTIONABLE

SPOTTED STAINING

BIT

Engineering

CASING

CONNECTION (LEFT)

CONNECTION (RIGHT)

E EARTHY

CONNECTION GAS

F FRACTURE

CORE - LOST

INTERCRYSTALLINE

CORE - RECOVERED

INTEROOLITIC

DST INTERVAL

MOLDIC

FAULT



Porosity

Other Symbols

 FORMATION TOP L LITHOGRAPHIC


Rounding

GAS SHOW  MICROXLN

 MIN DEPTH  ANGULAR  MUDSTONE

NORMAL FAULT  ROUNDED  PACKSTONE

OIL SHOW  SUBANG  WACKESTONE

OVERTURNED STRATA  SUBRND

Sorting

REVERSE FAULT

Textures

SIDEWALL CORE (LEFT)  MODERATE


SIDEWALL CORE (RIGHT)  BOUNDSTONE  POOR

SLIDE  CHALKY  WELL


 SURVEY  CRYPTOXLN

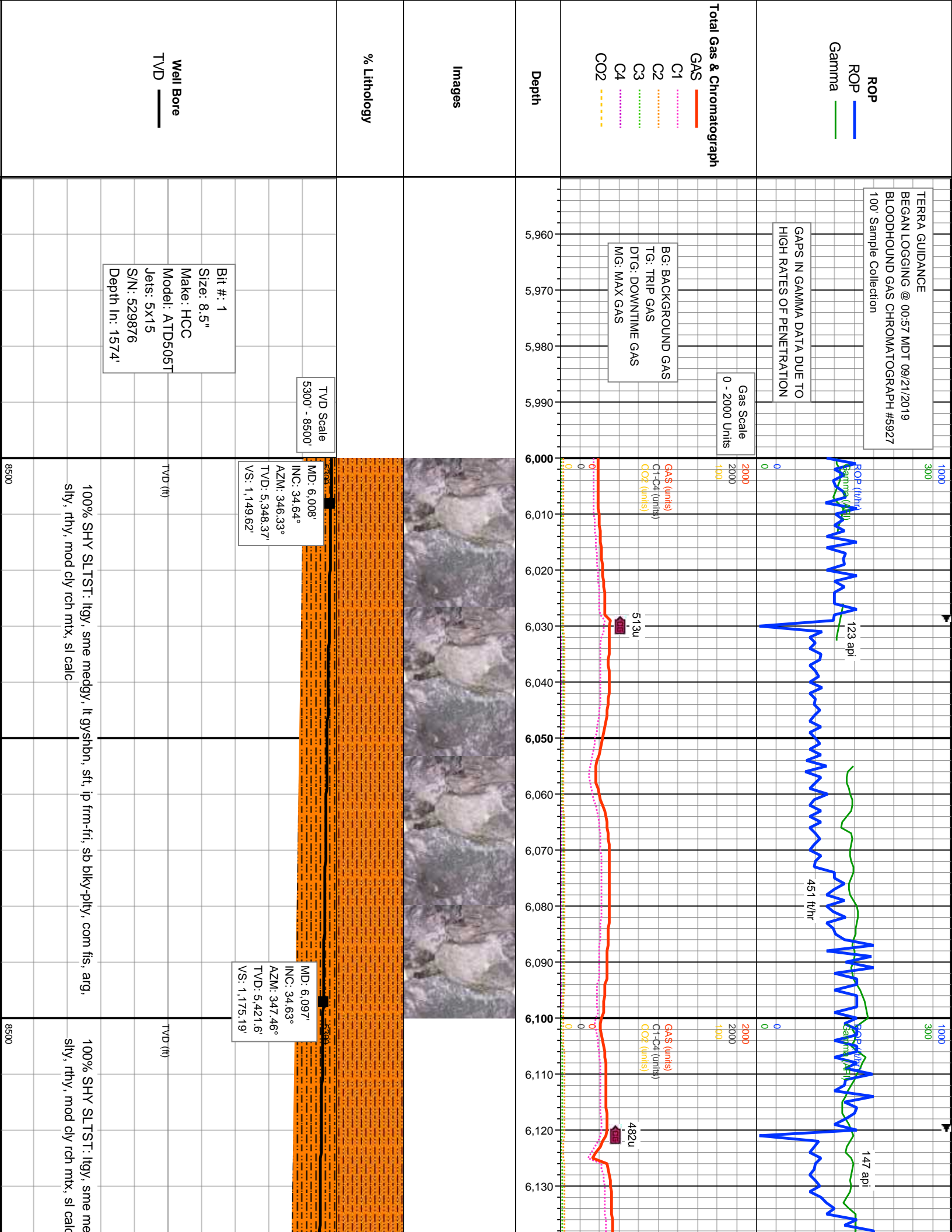
CALCARIUOS SHALE

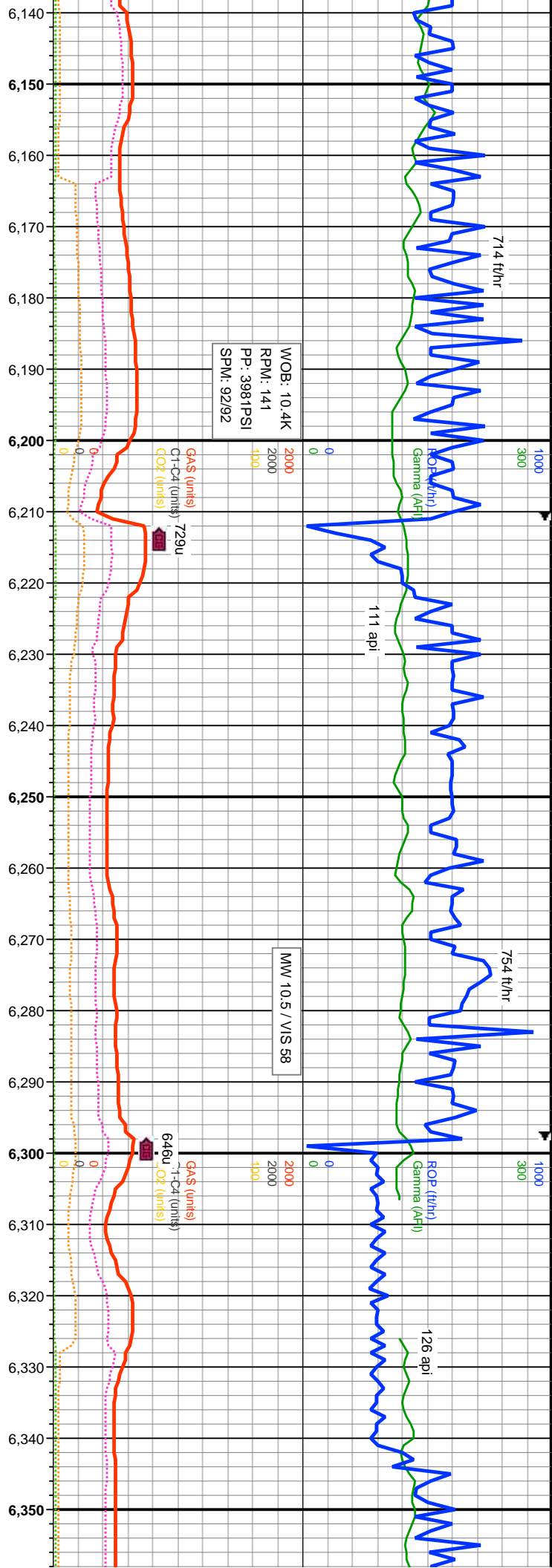
 TRIP GAS  EARTHY

WIRELINE TESTED - LEFT  FINELYXLN

CALCARIOUS SHALE

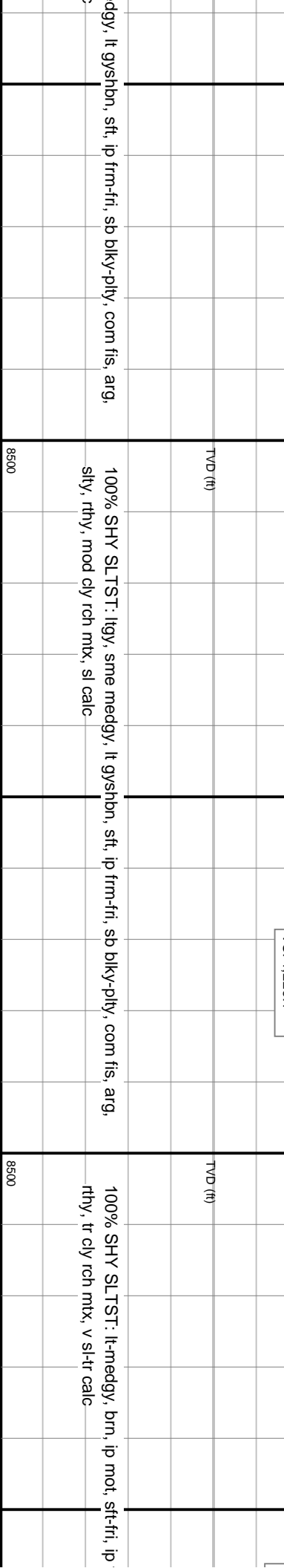
WIRELINE TESTED - RT  GRAINSTONE

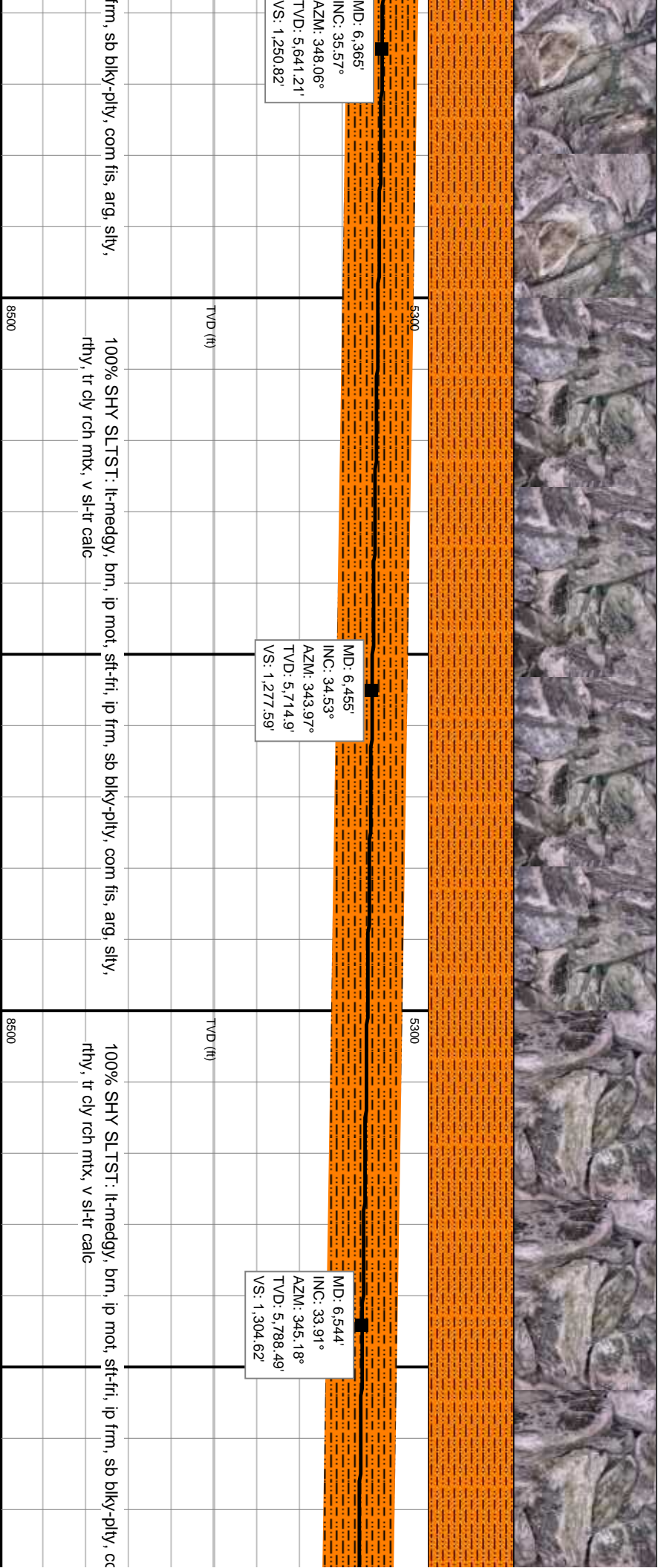
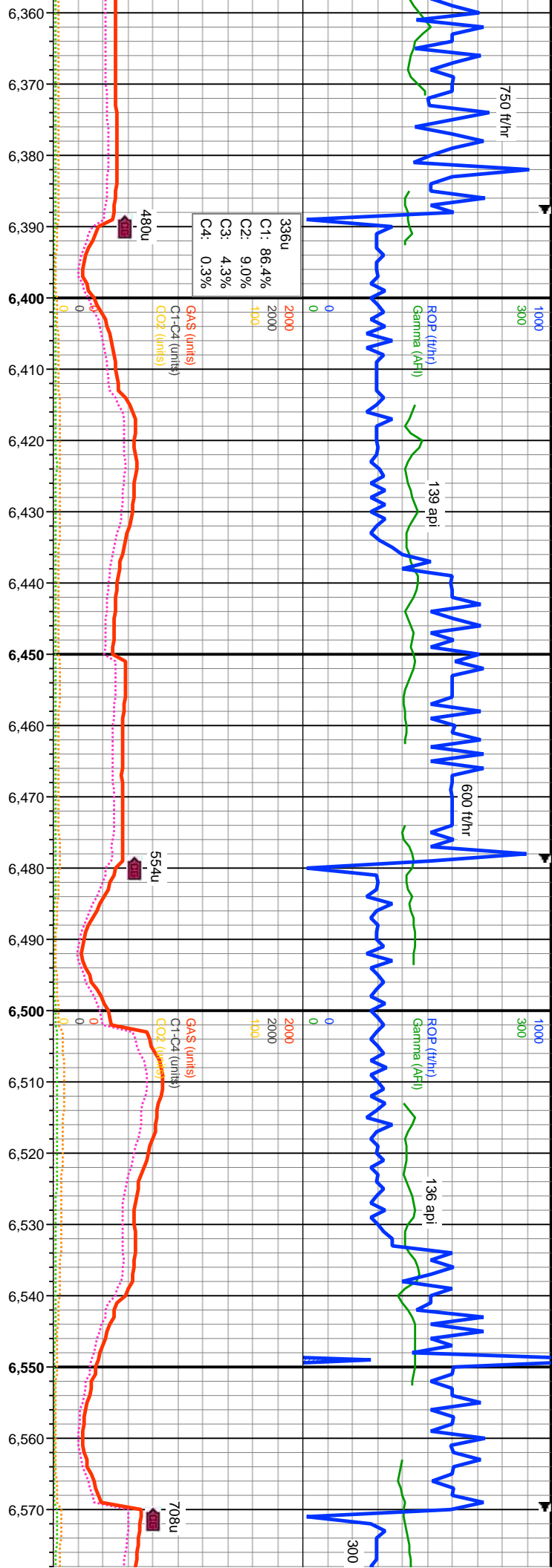


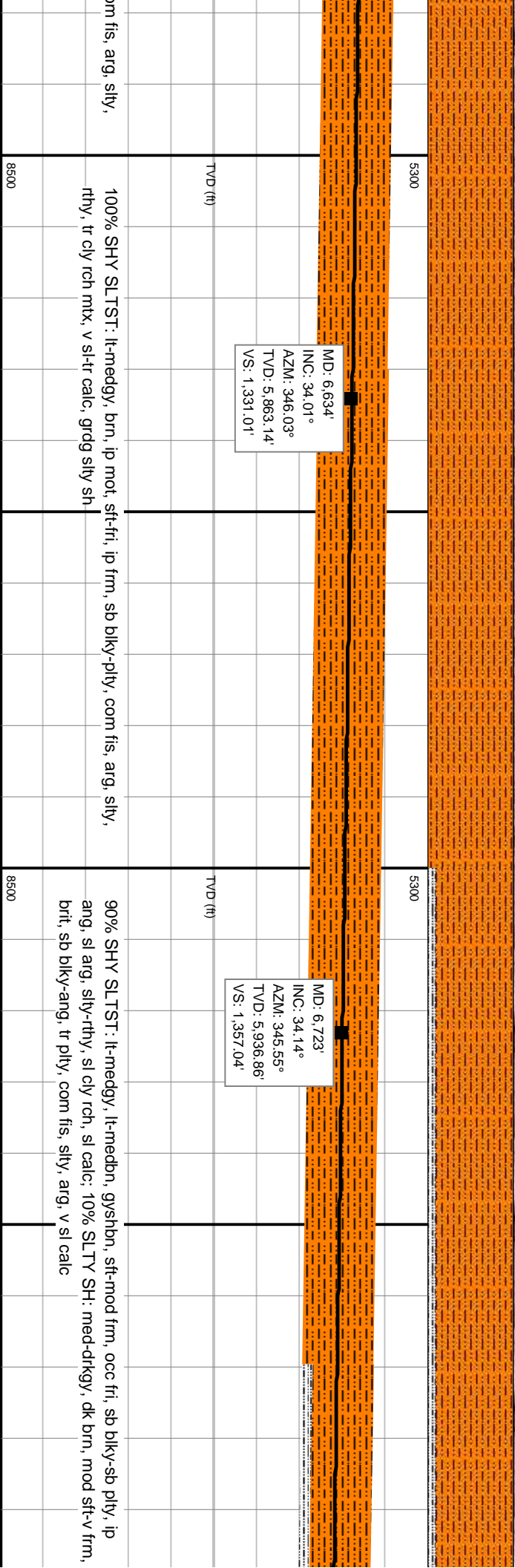
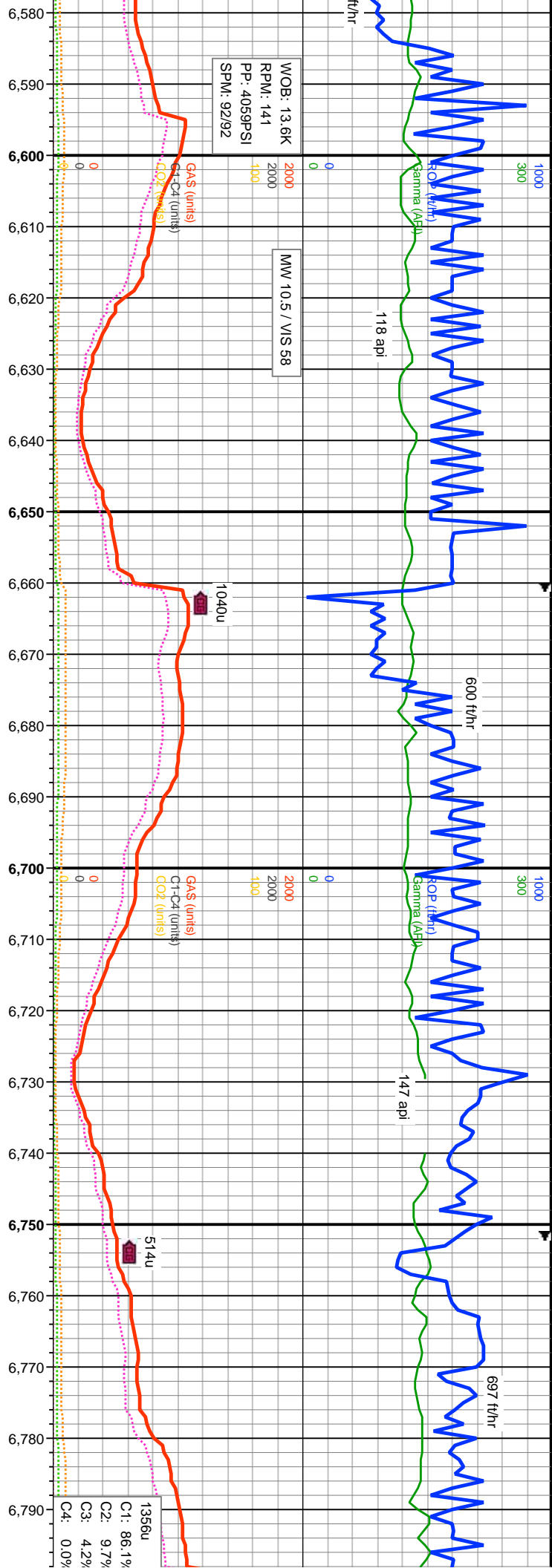


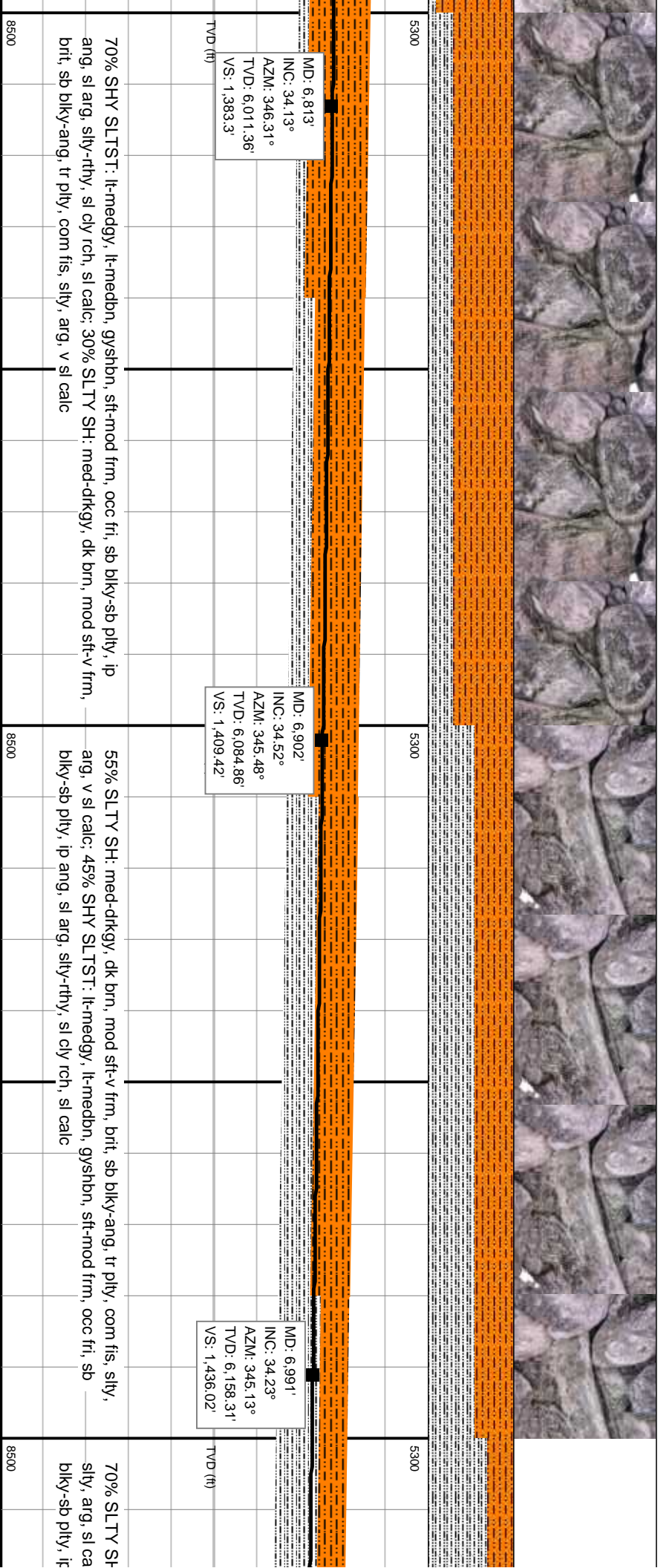
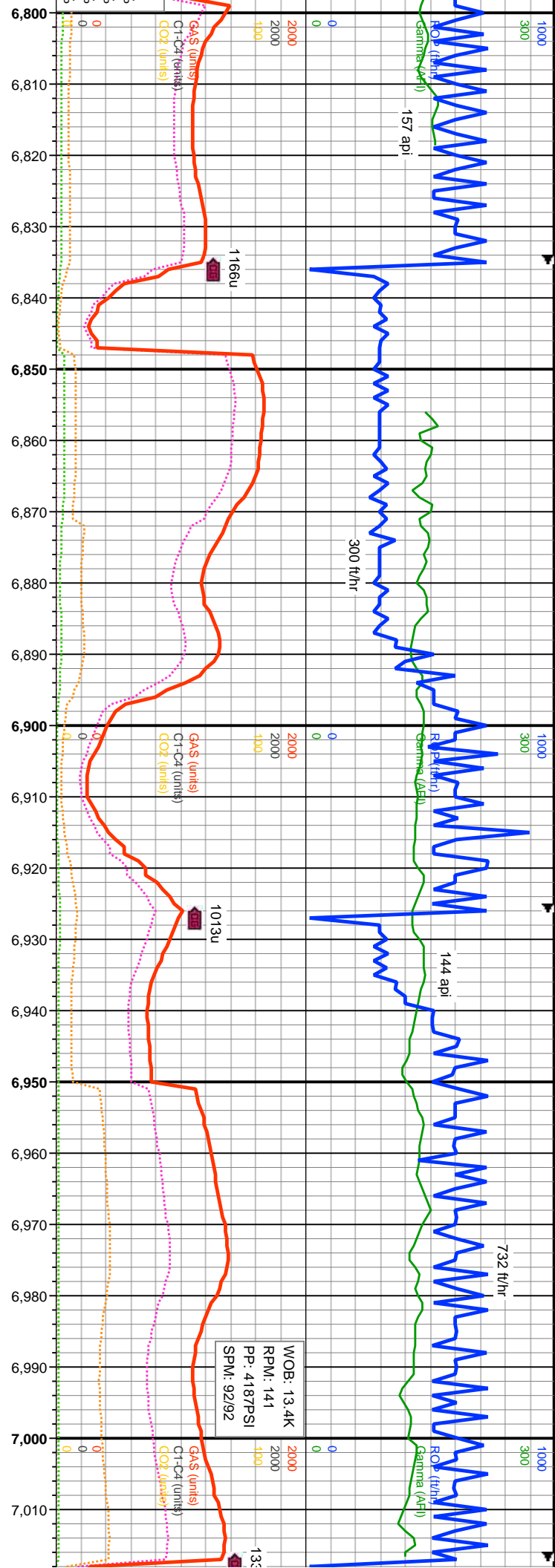
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INC: 34.77°
AZM: 346.48°
TVD: 5.495.59'
VS: 1.201.03'

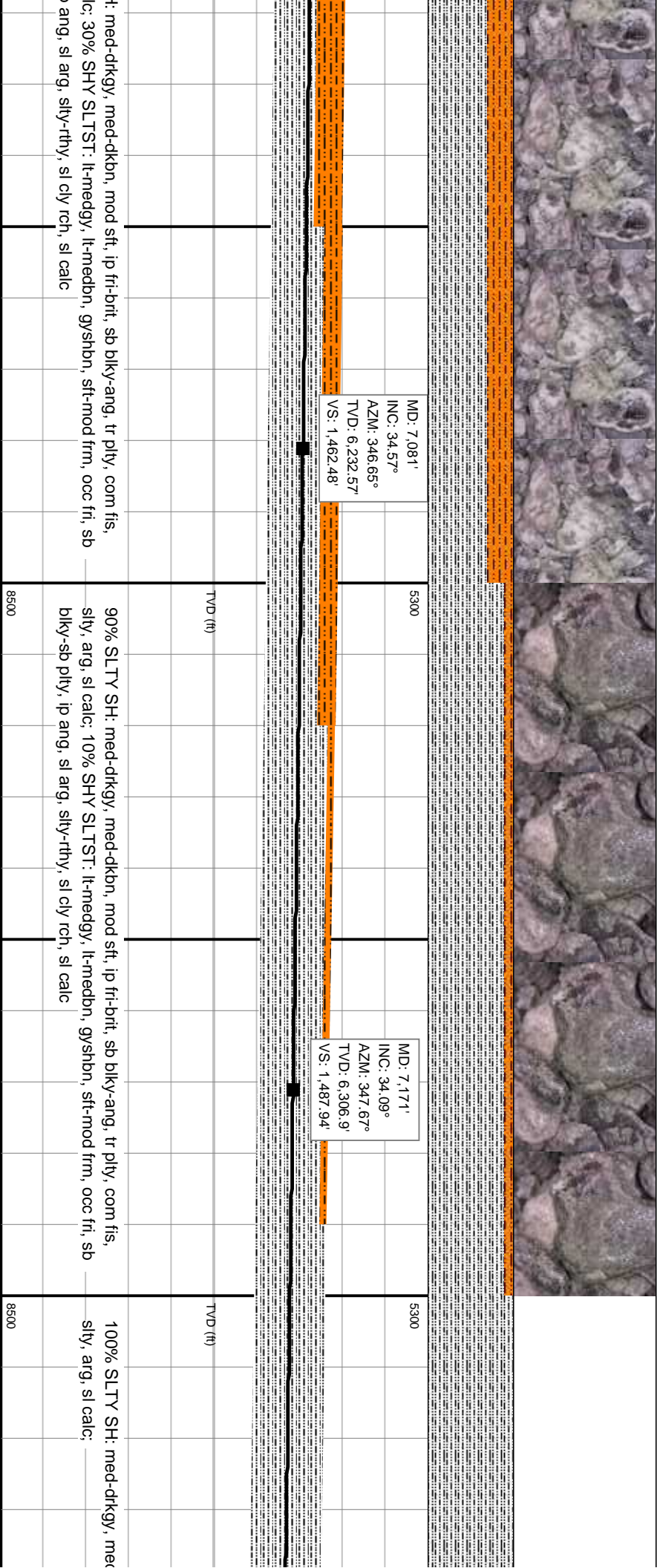
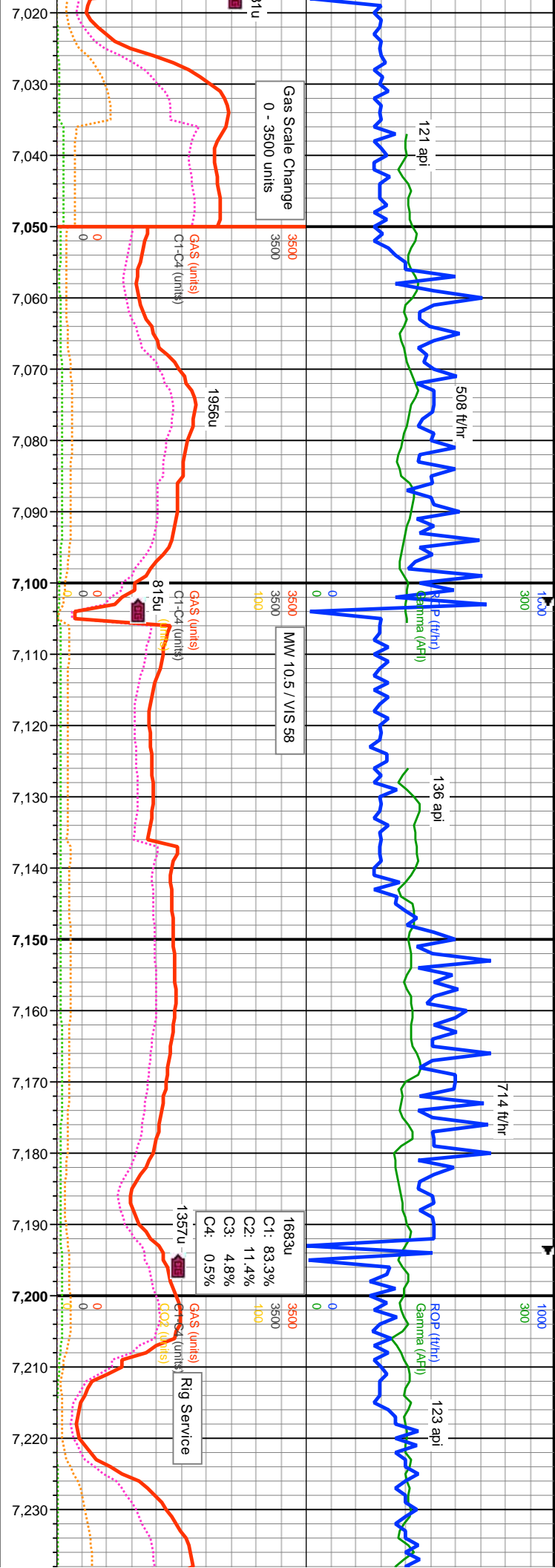
MD: 6.276'
INC: 35.05°
AZM: 349.04°
TVD: 5.568.58'
VS: 1.226.1'

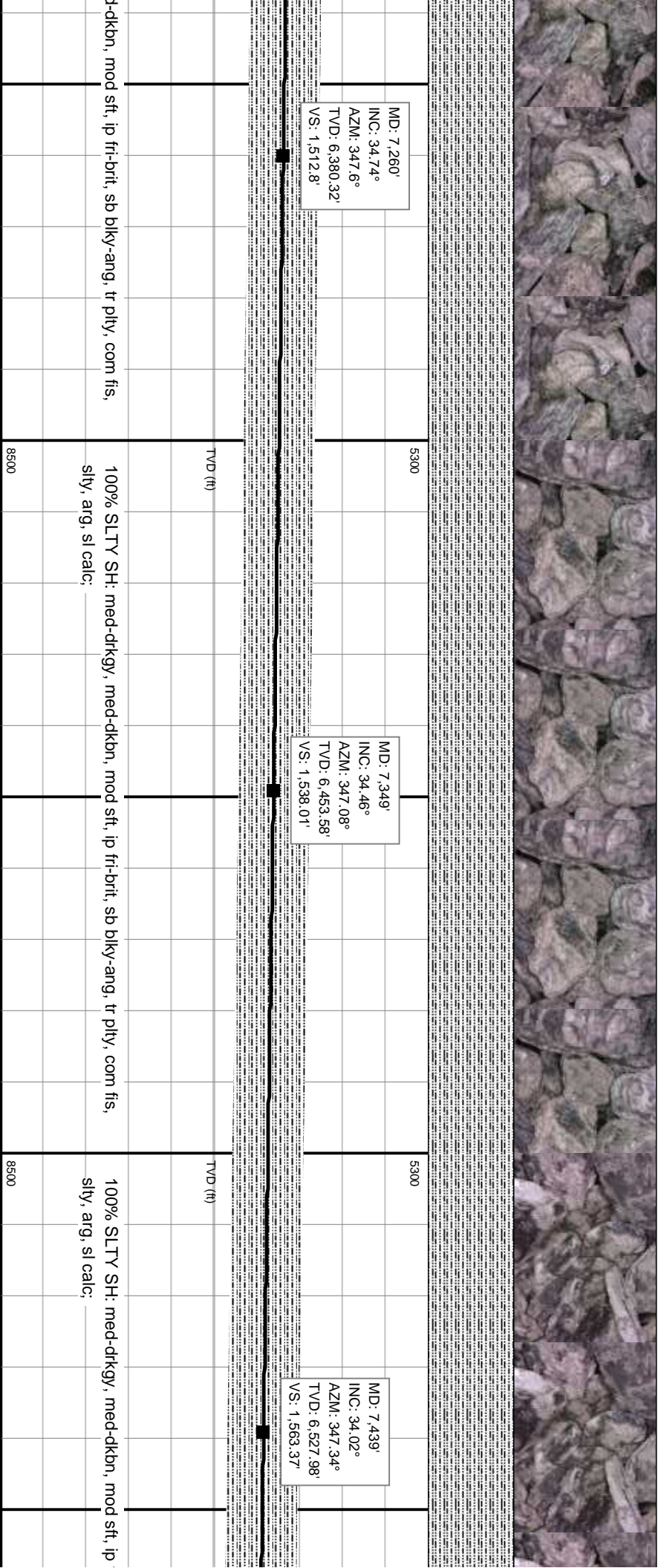
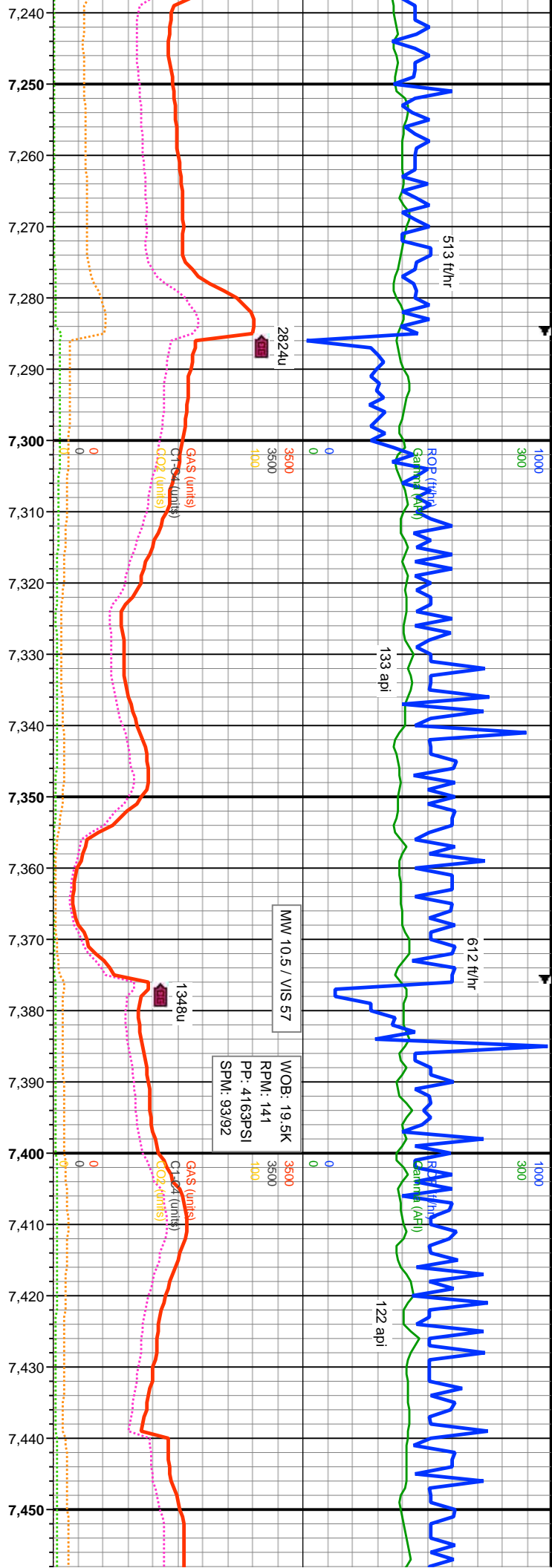


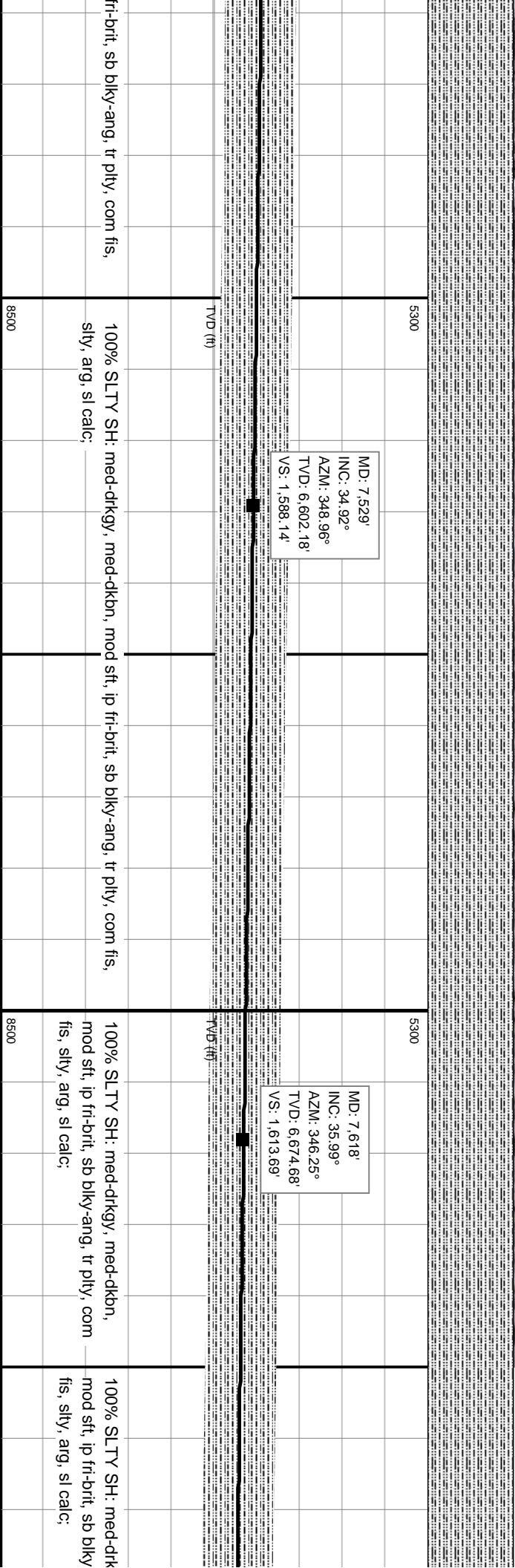
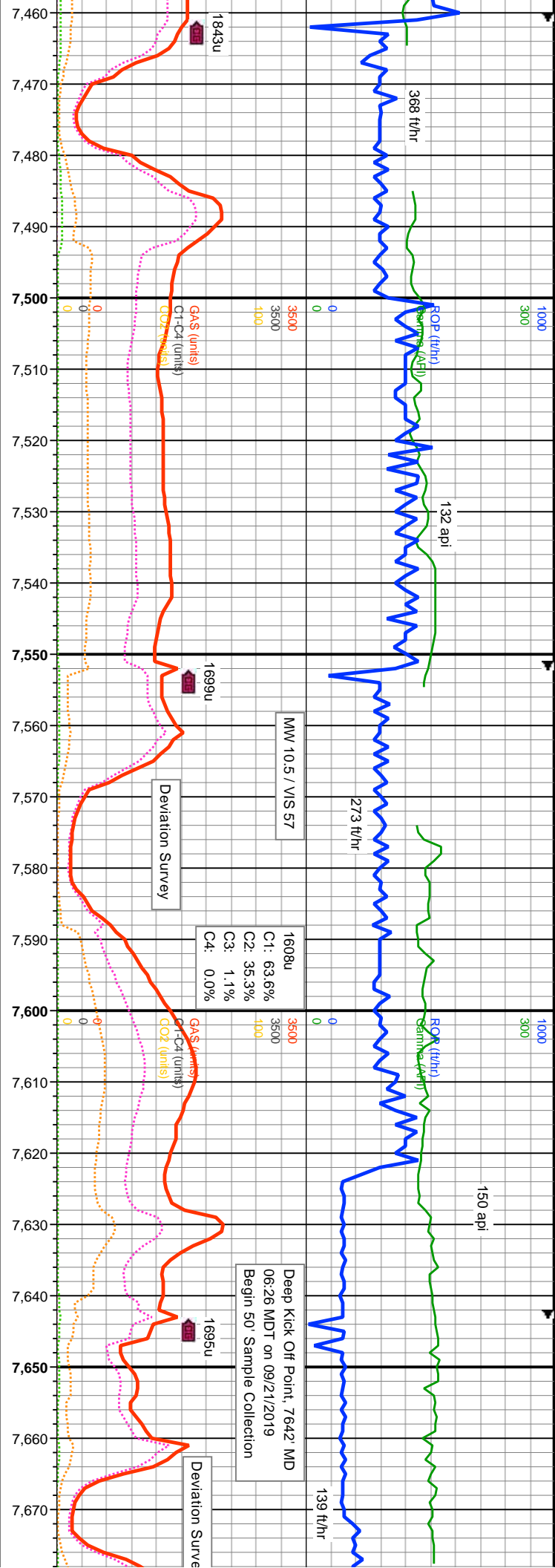


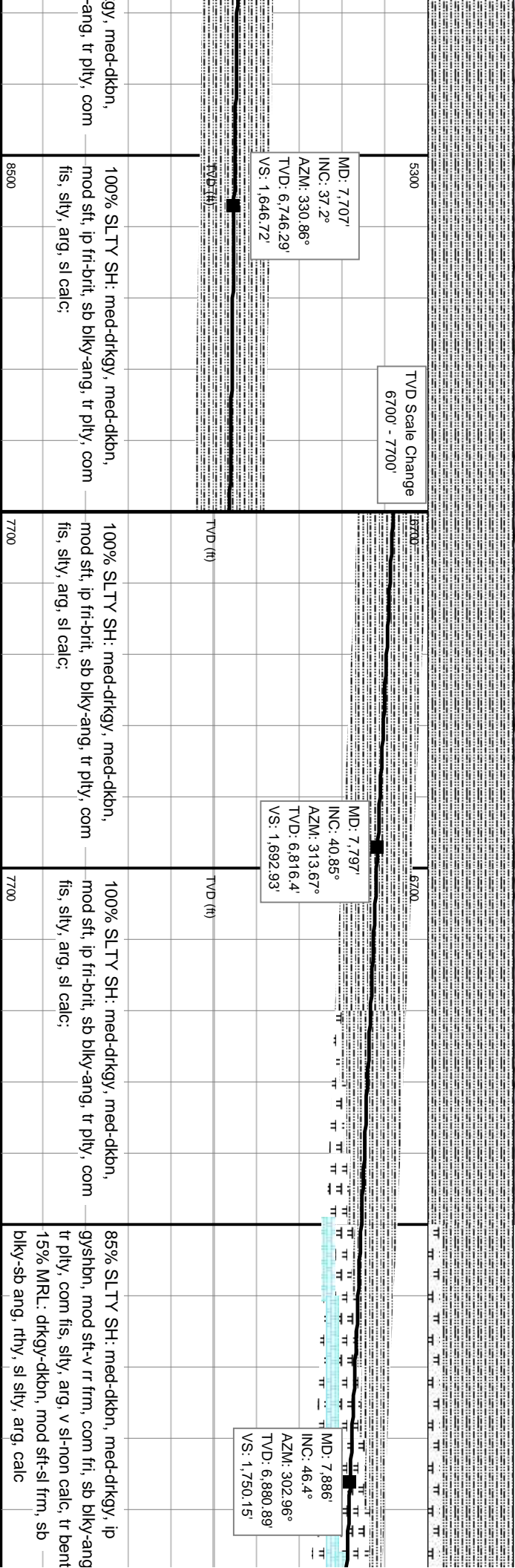
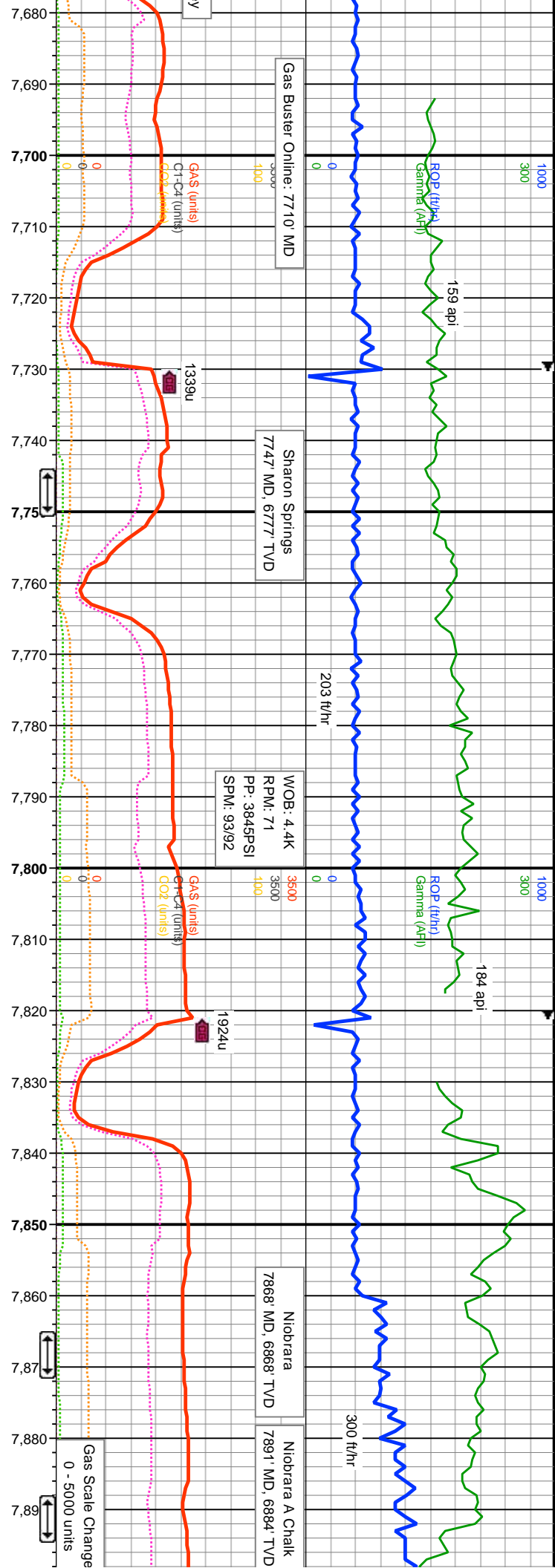


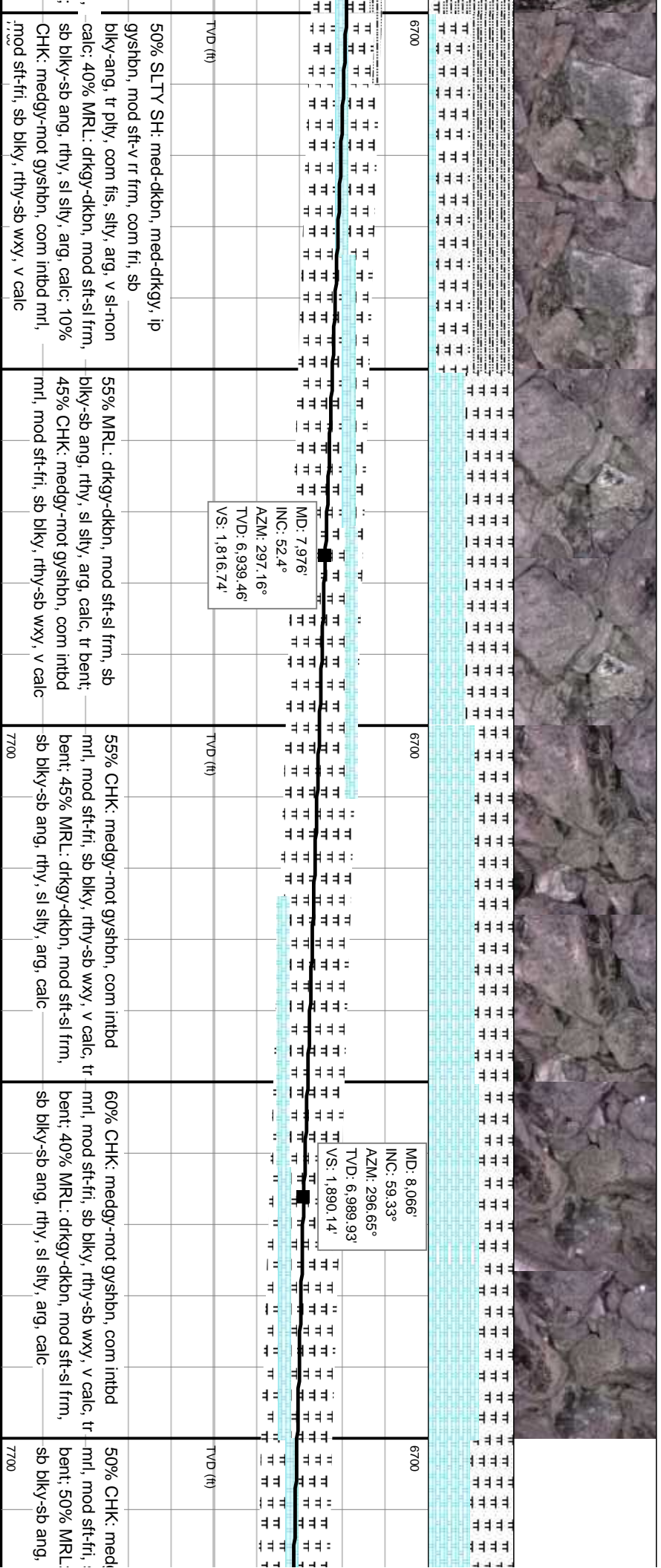
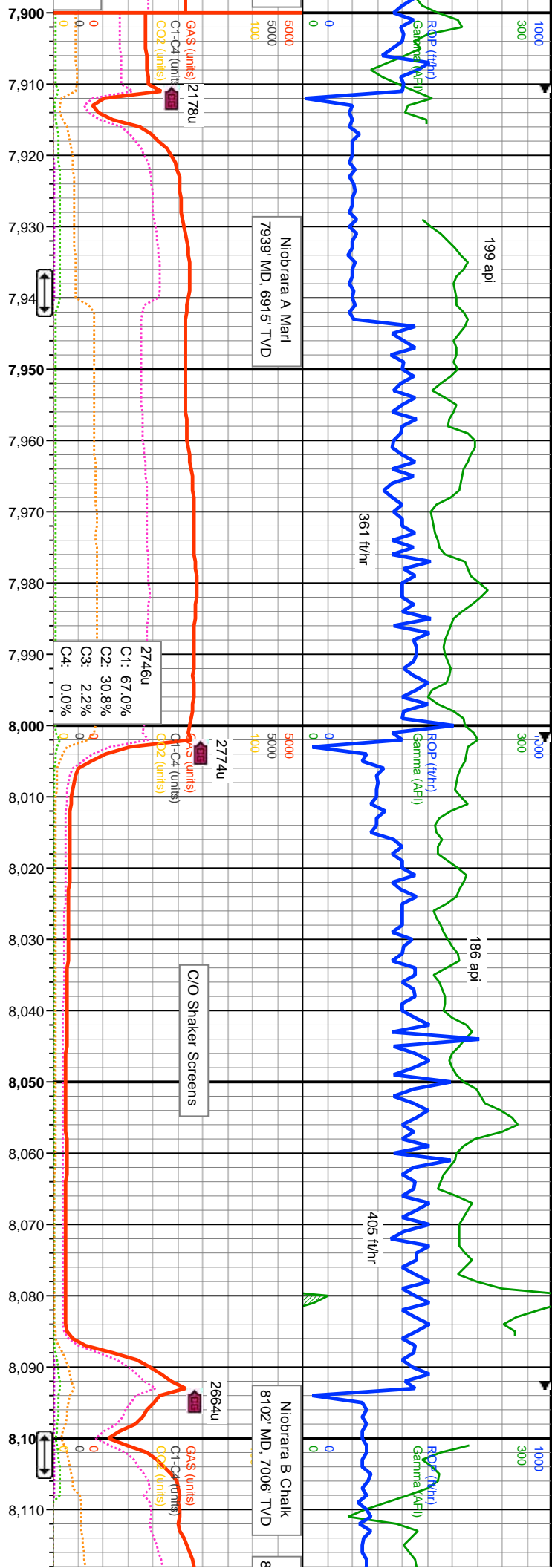


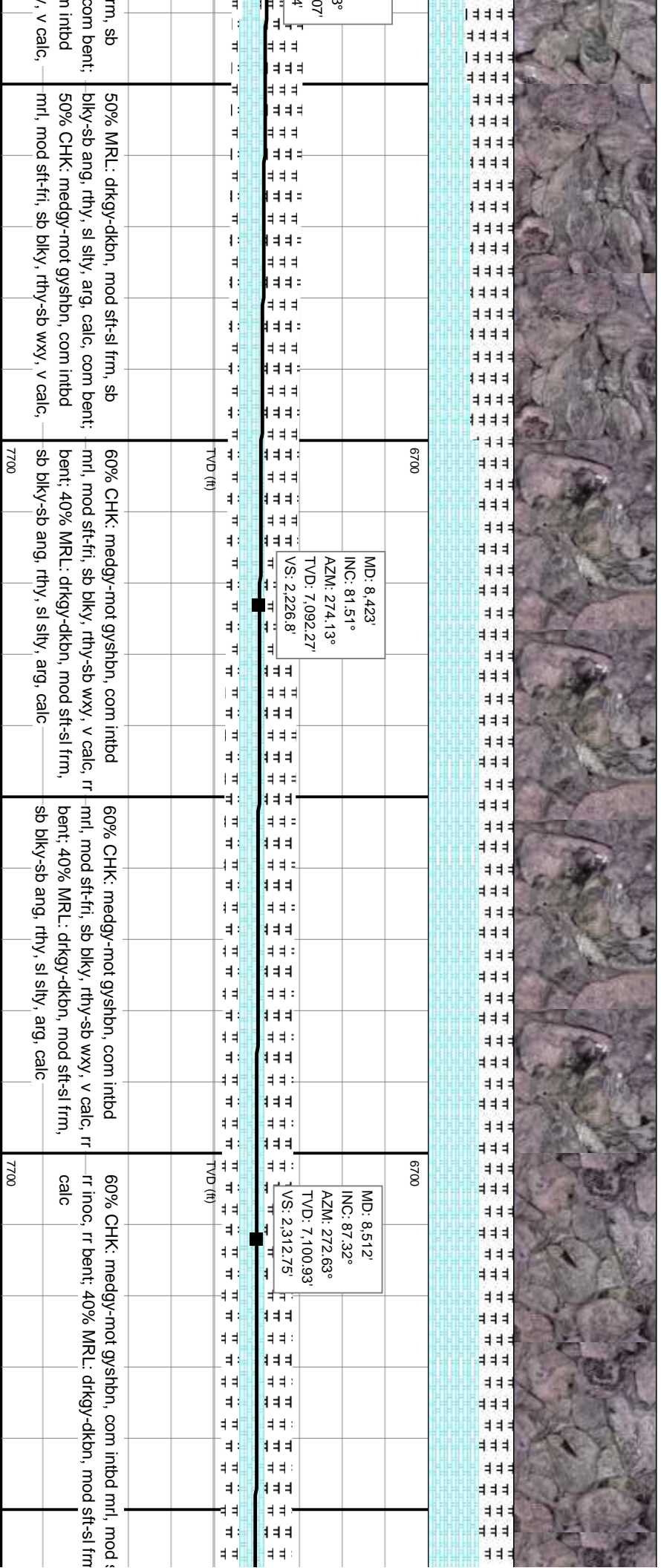
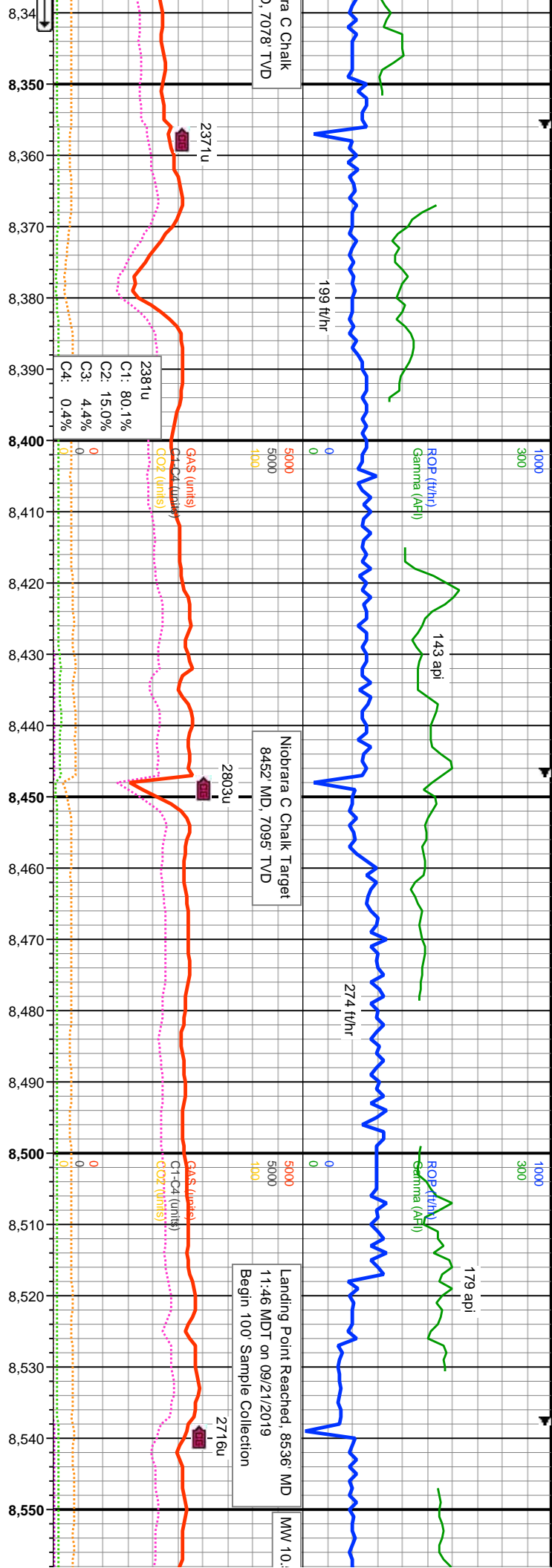


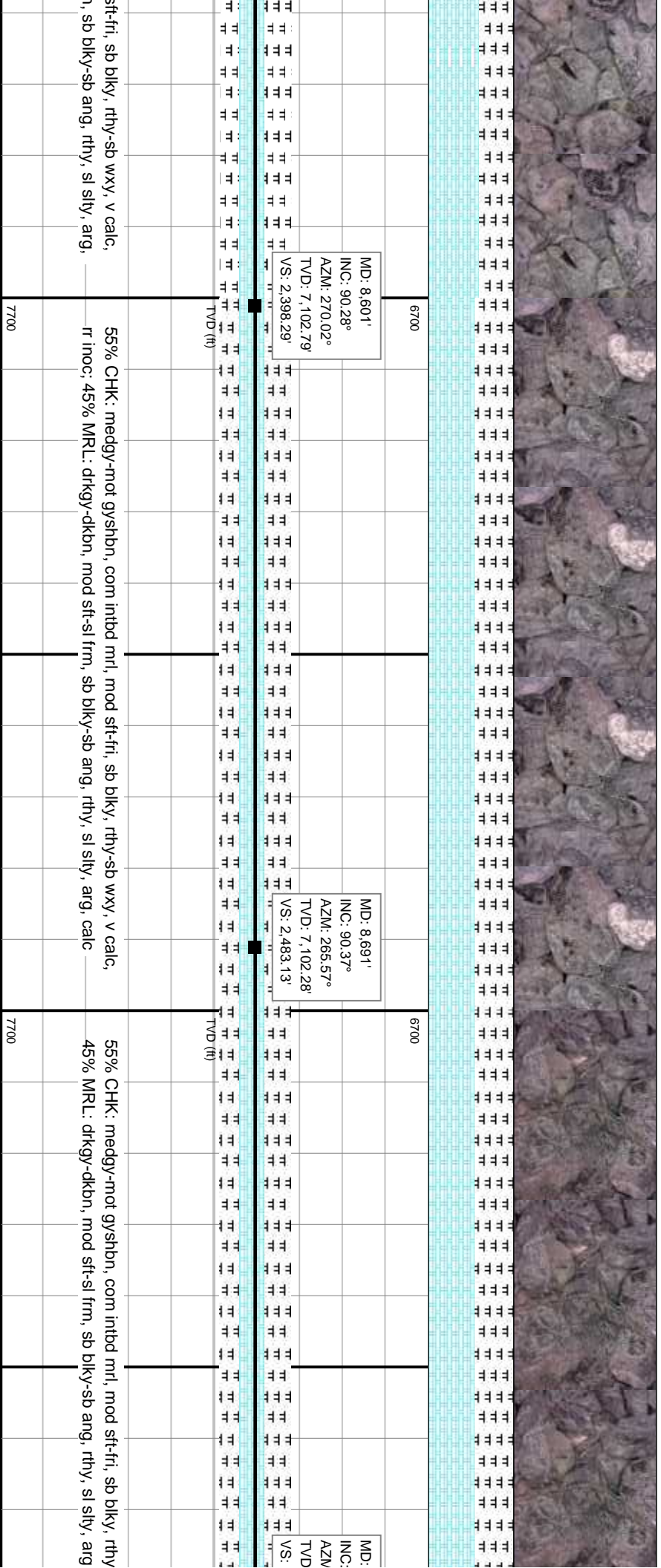
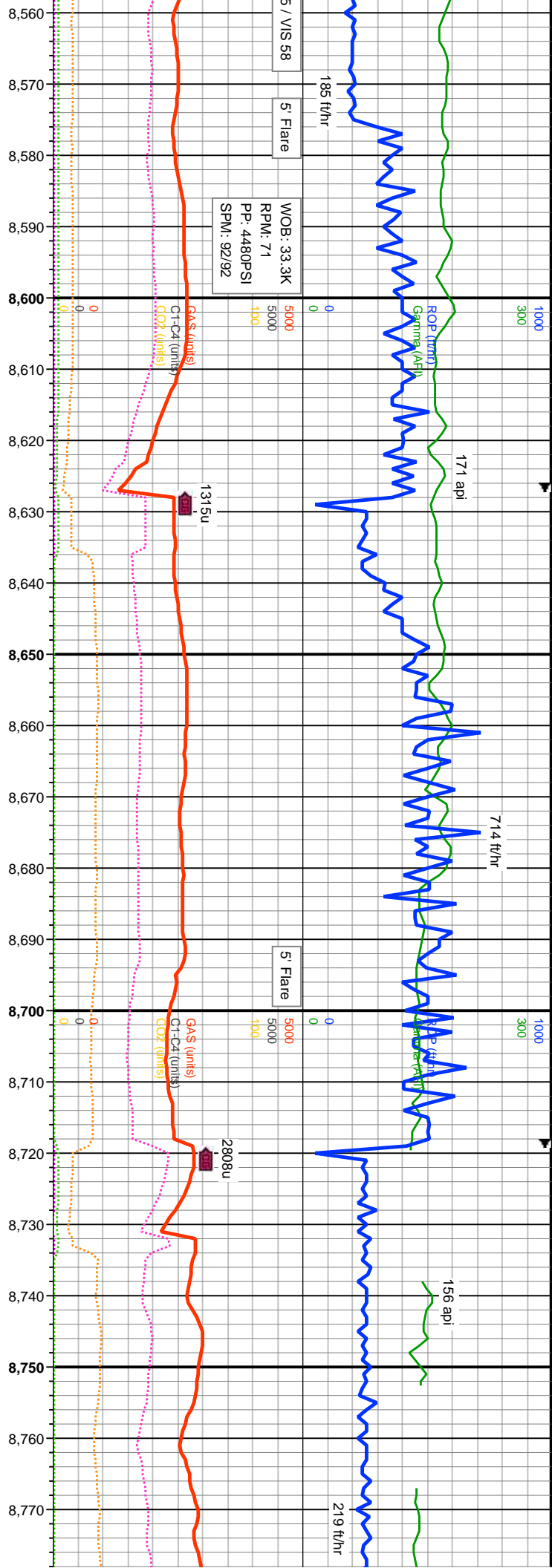


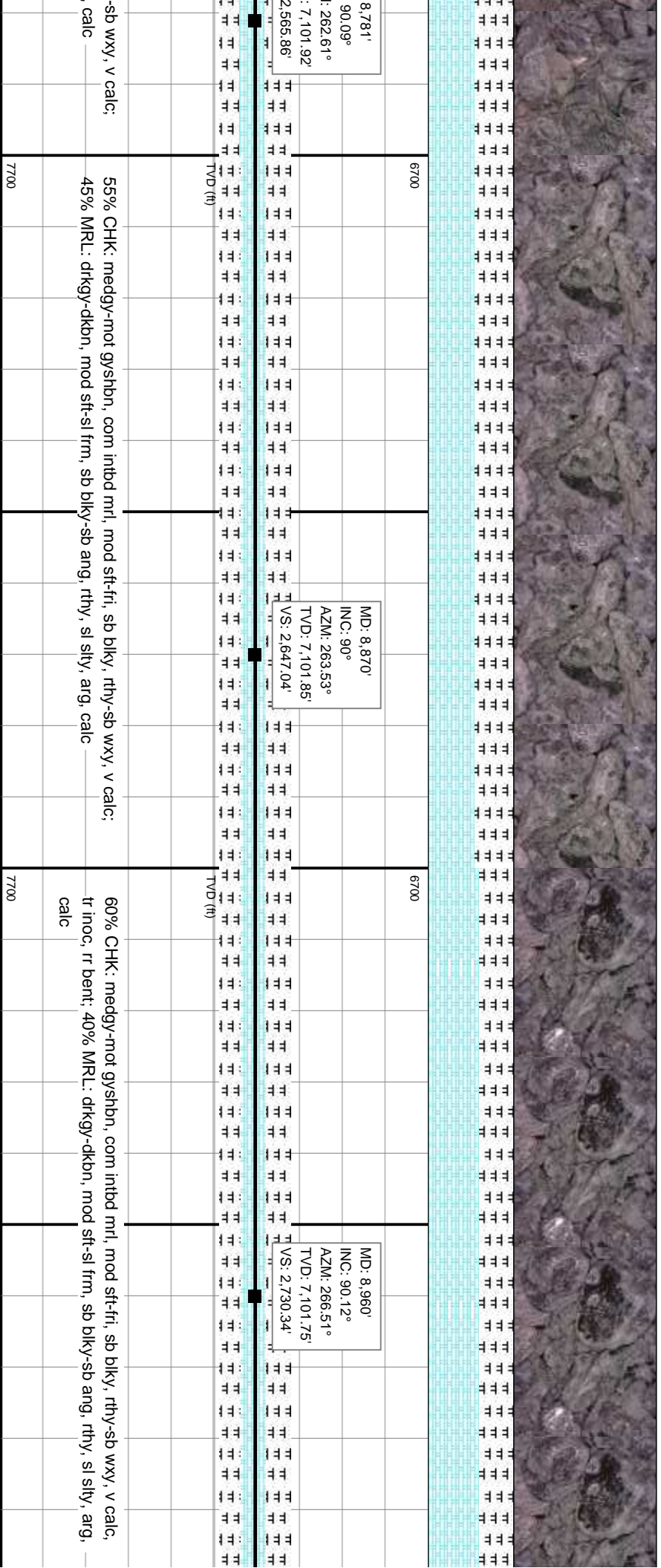
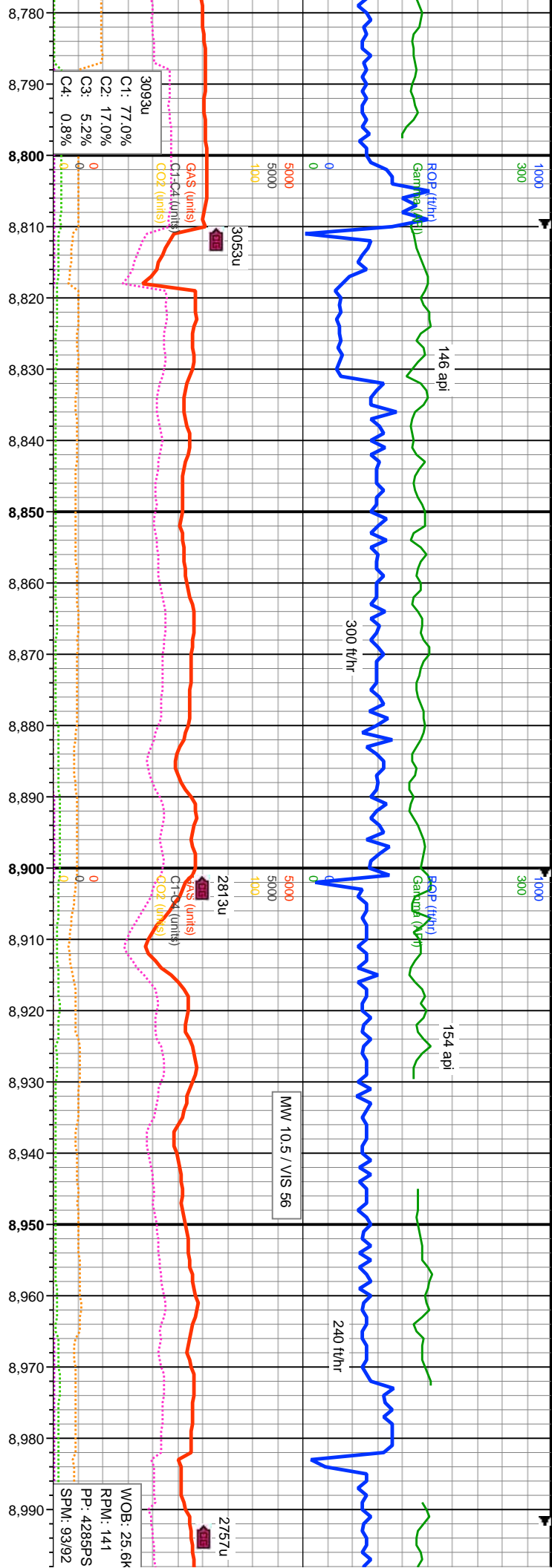


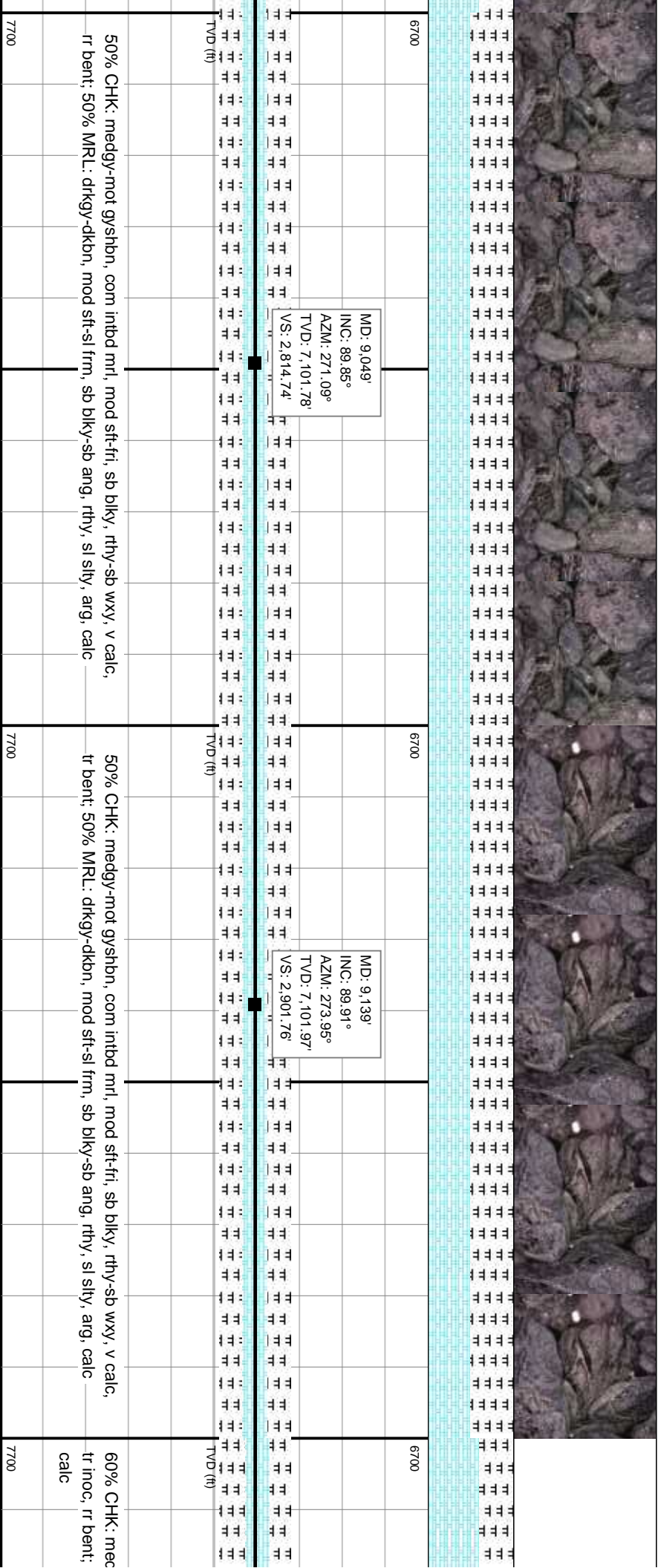
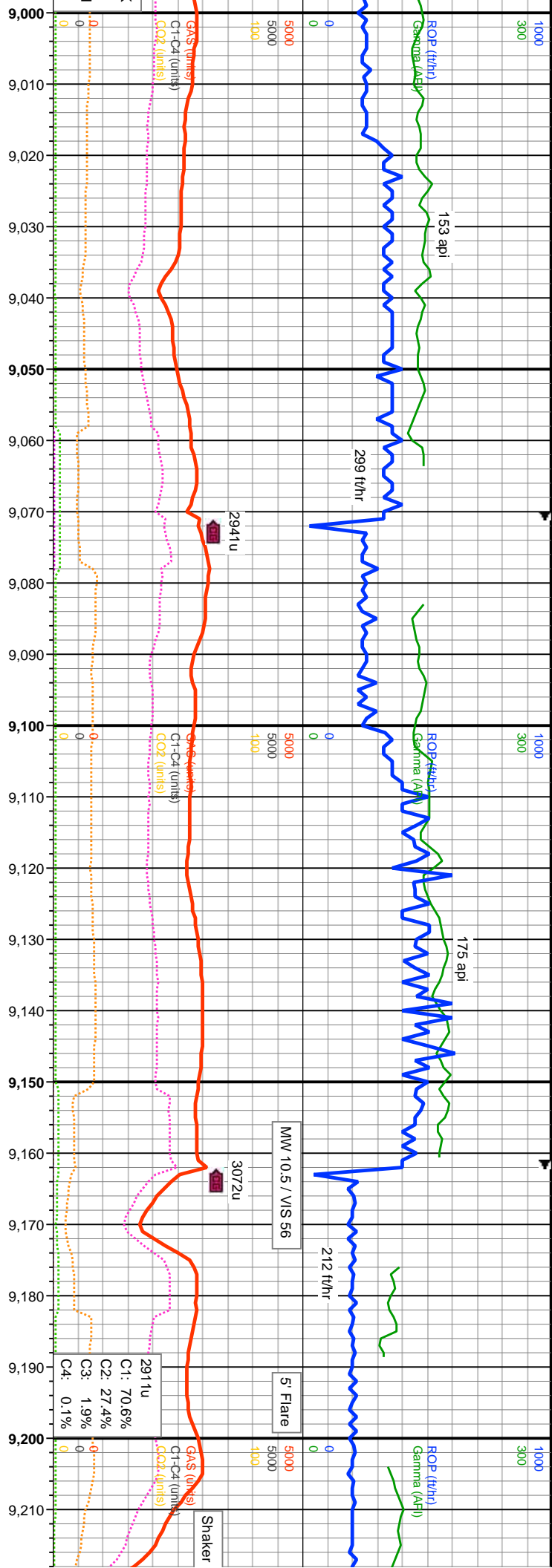


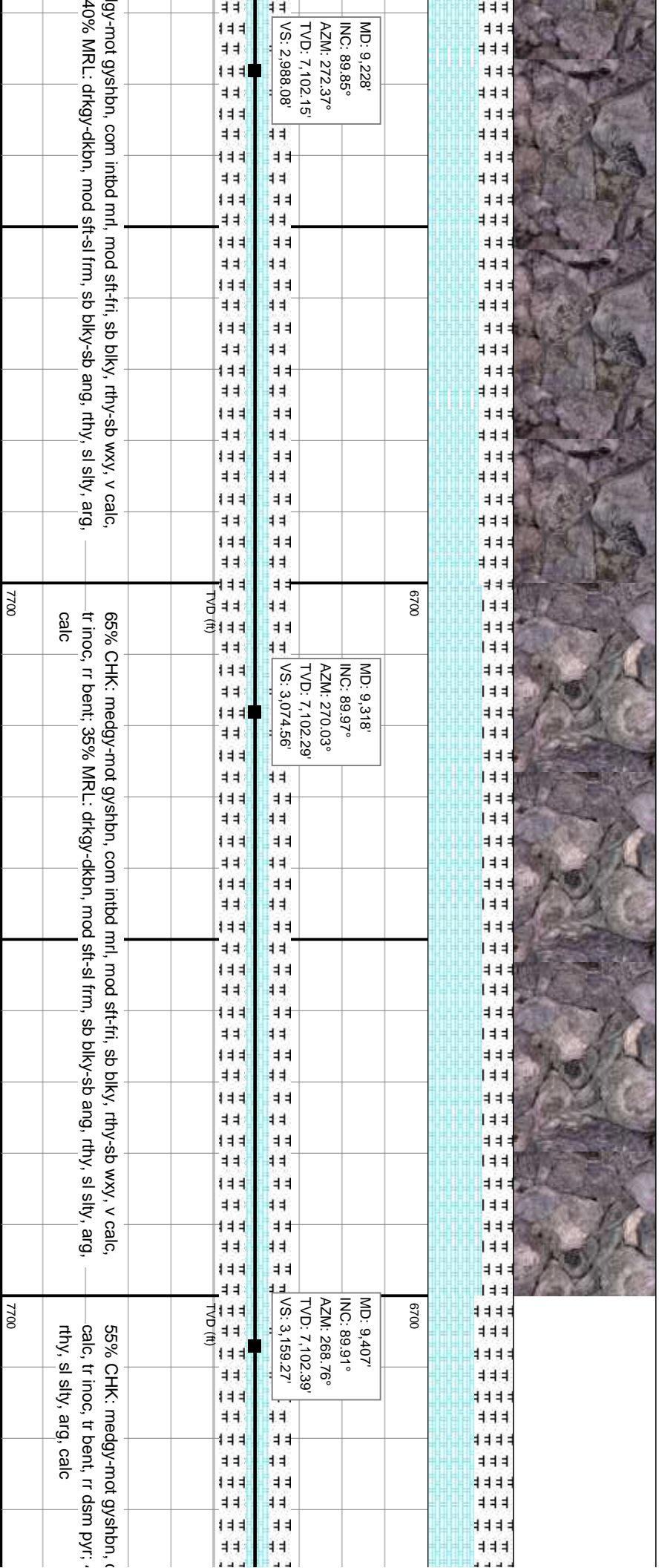
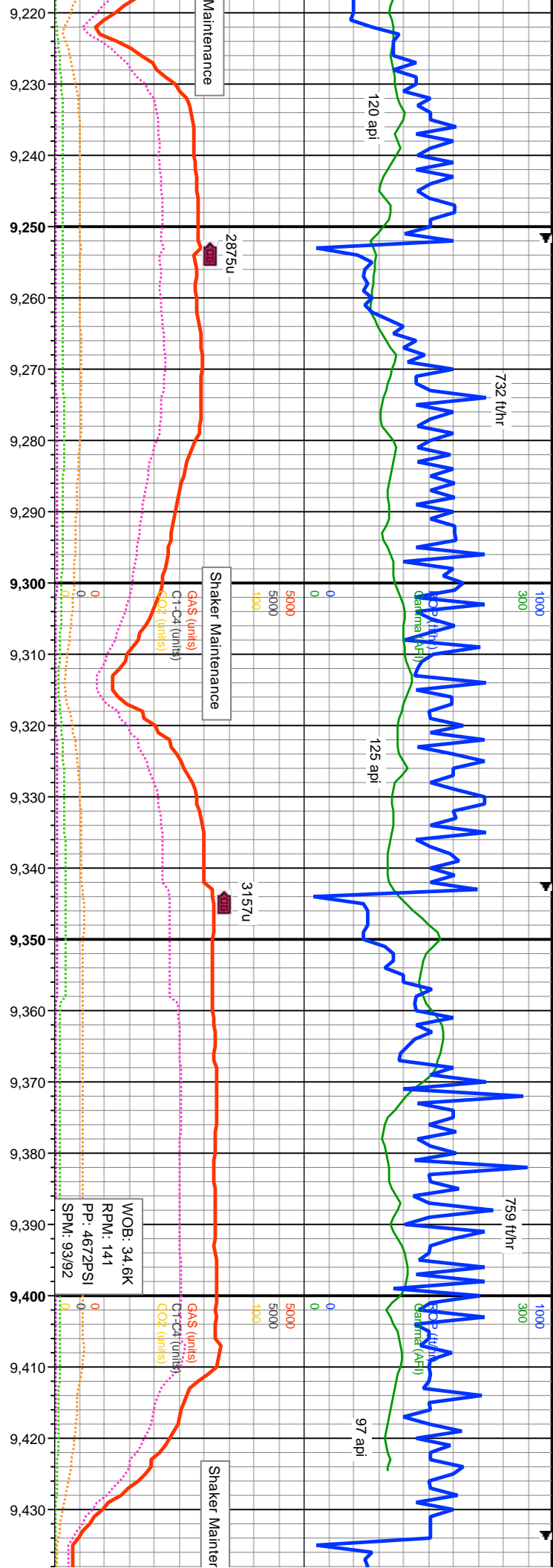


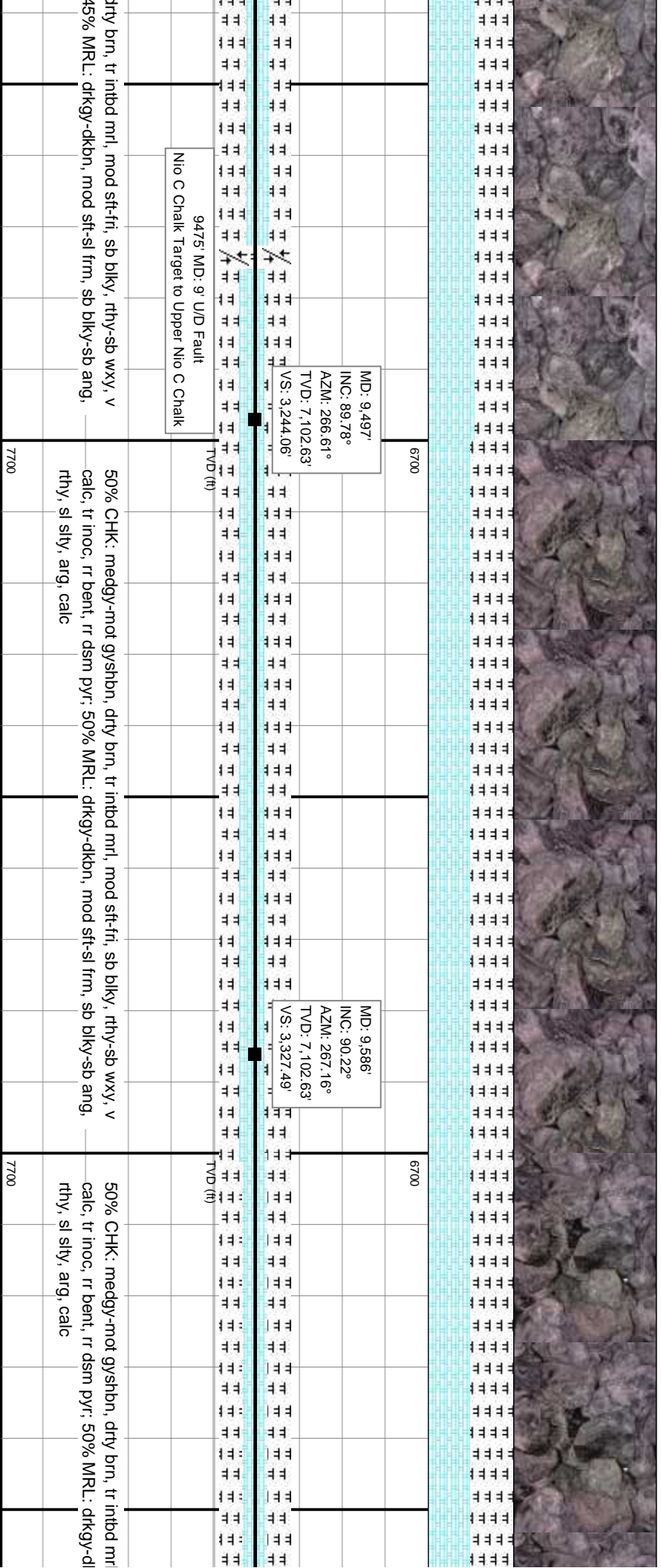
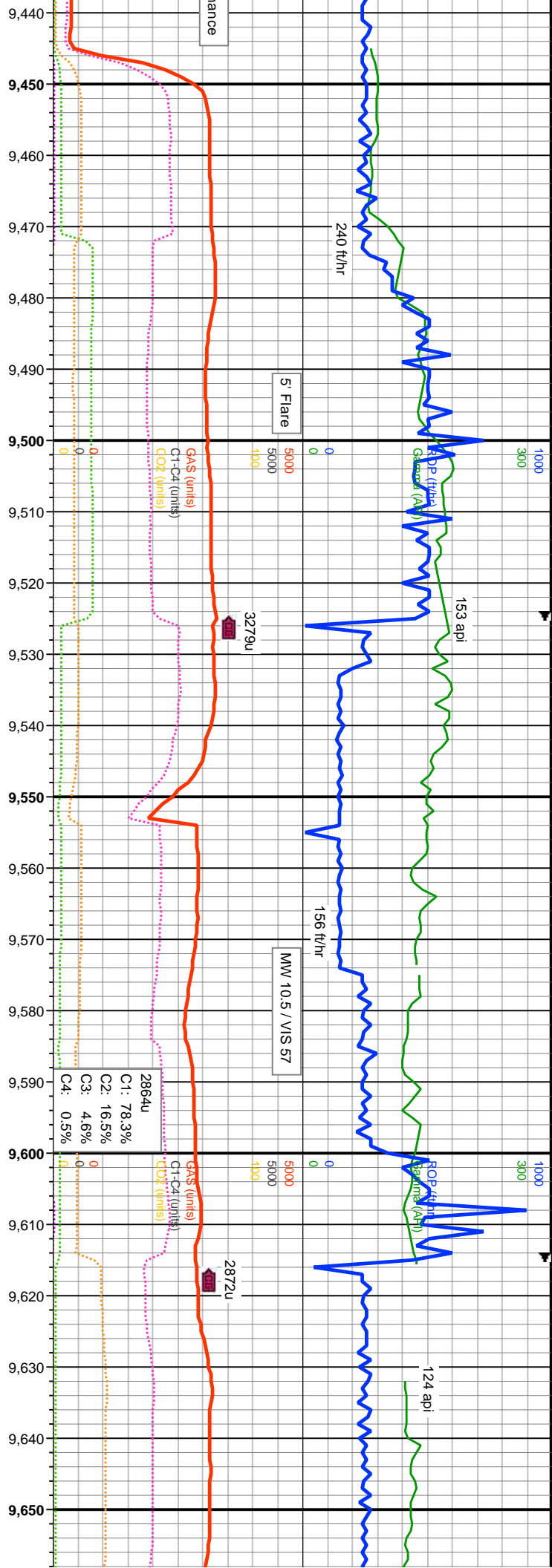


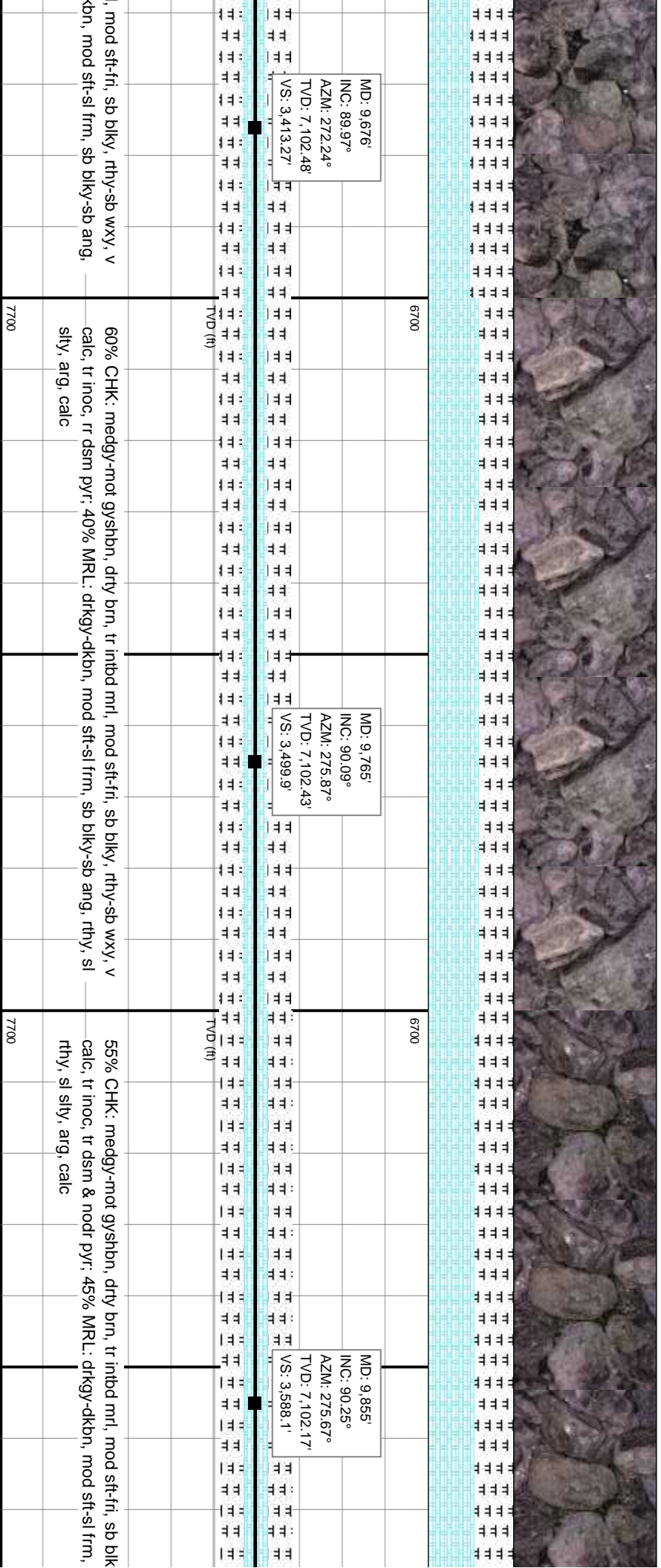
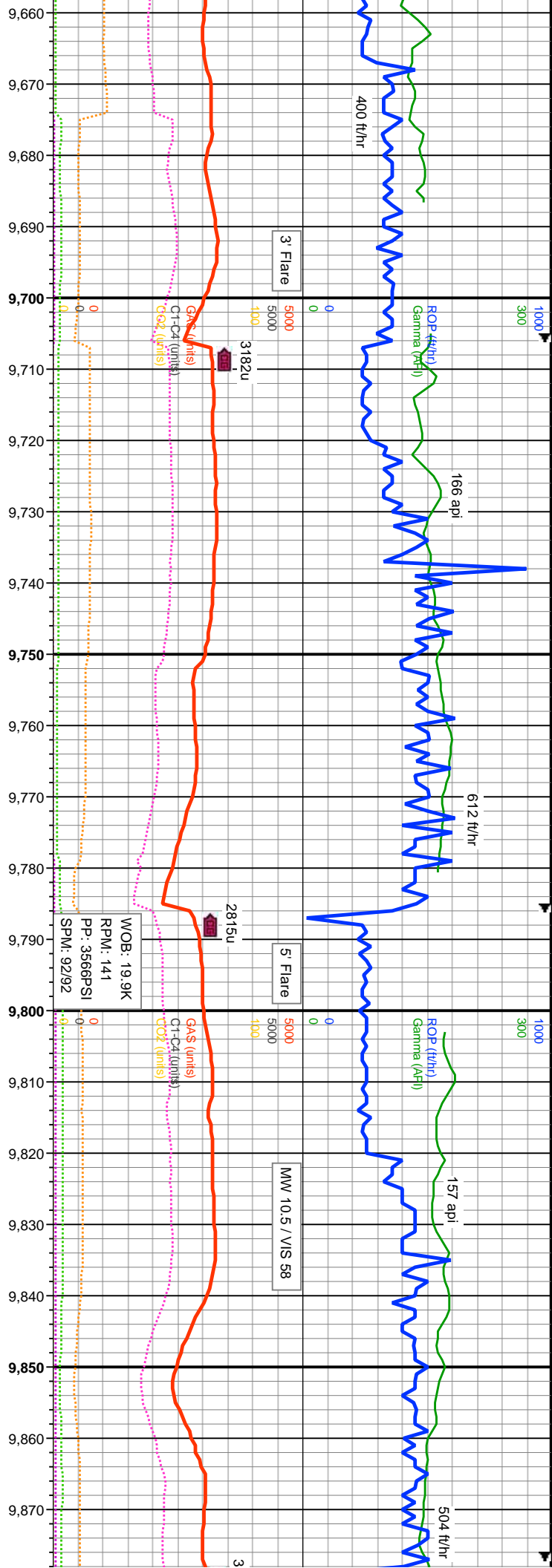


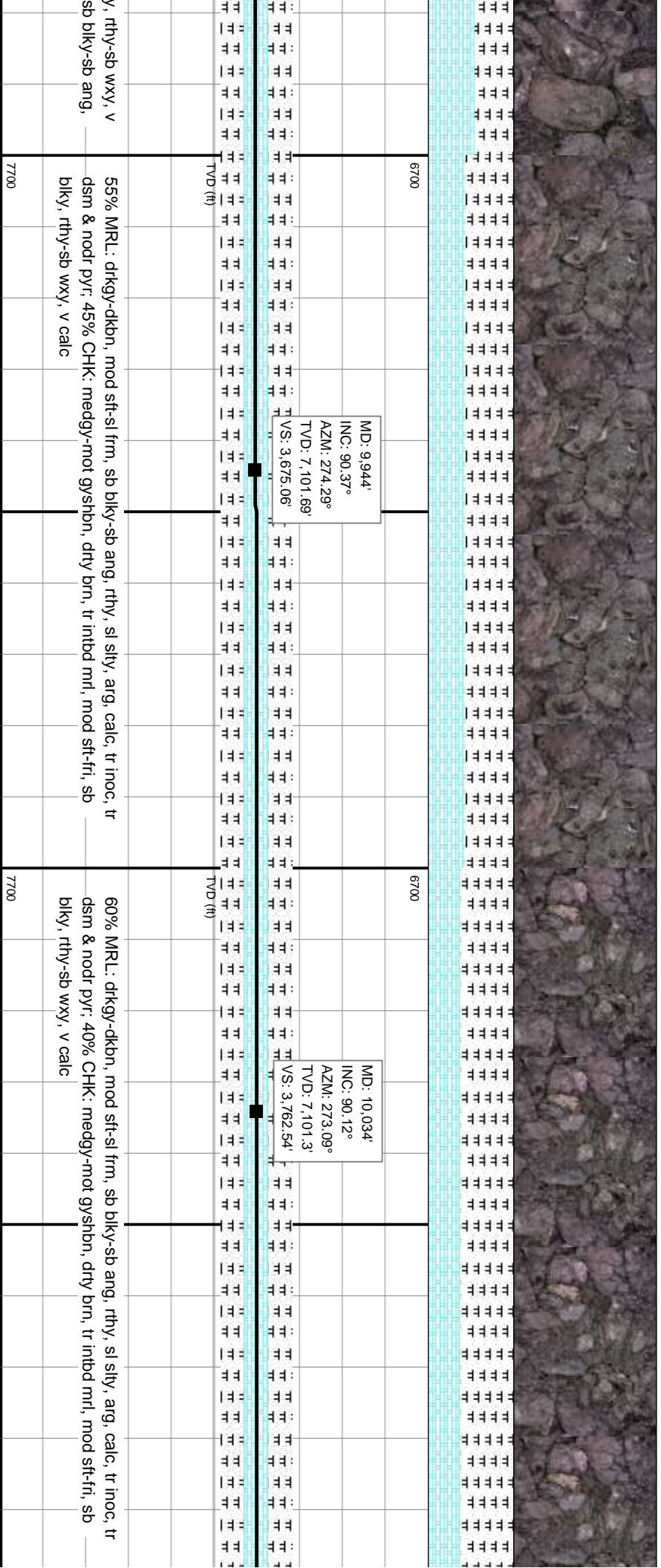
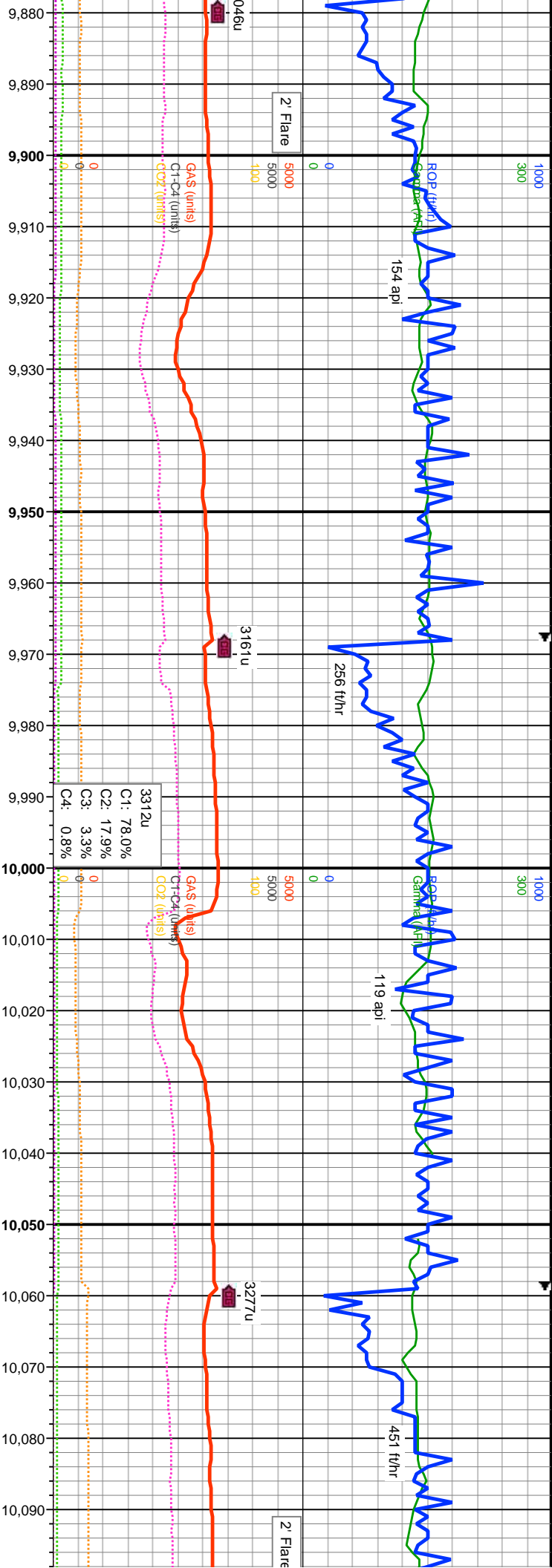


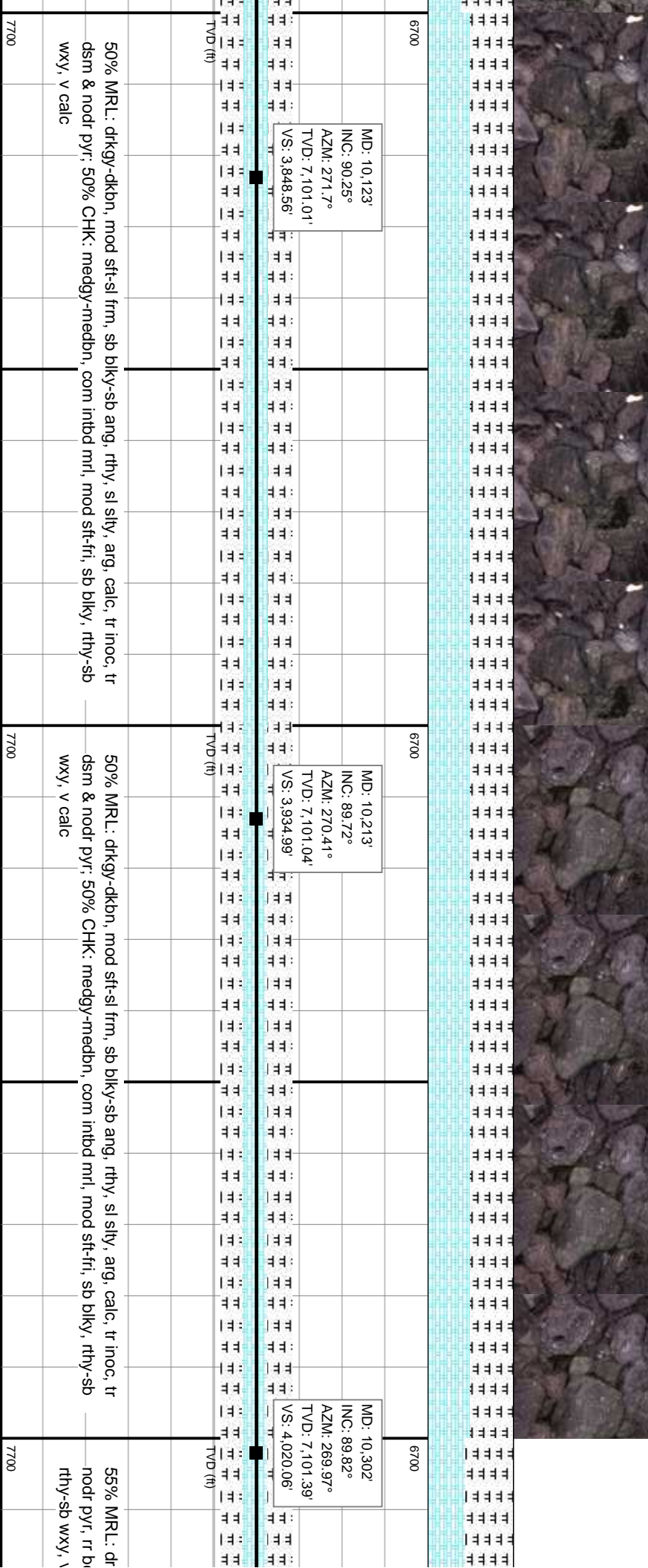
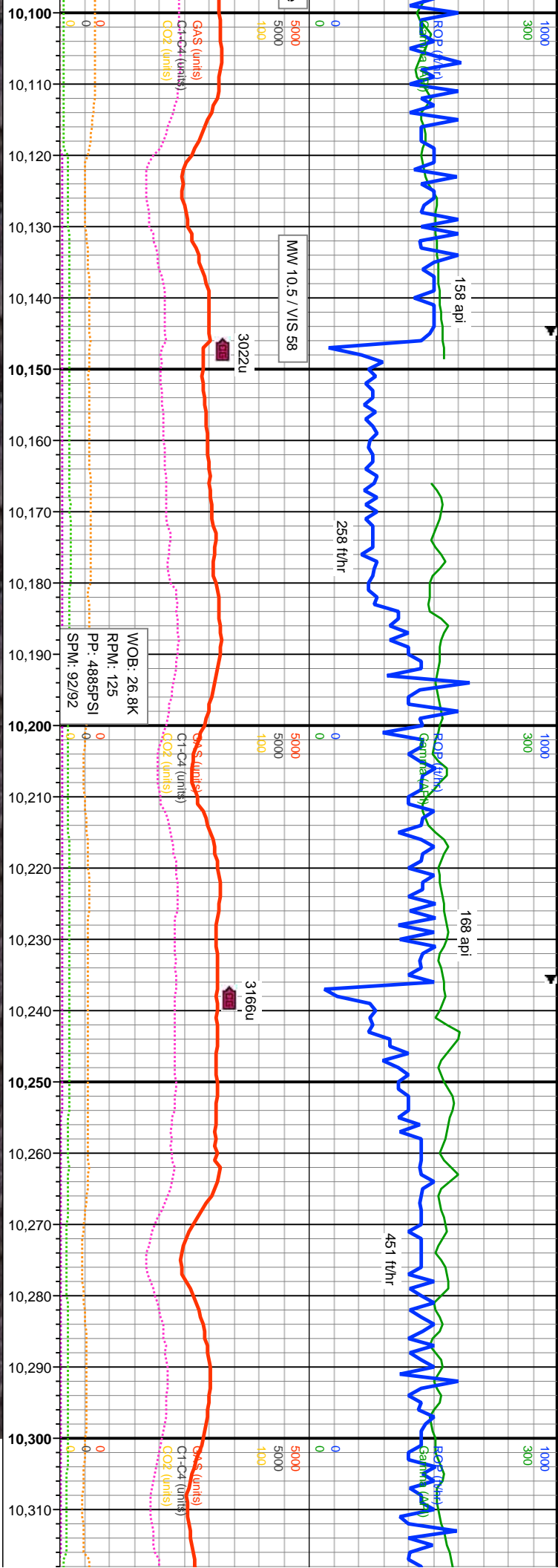


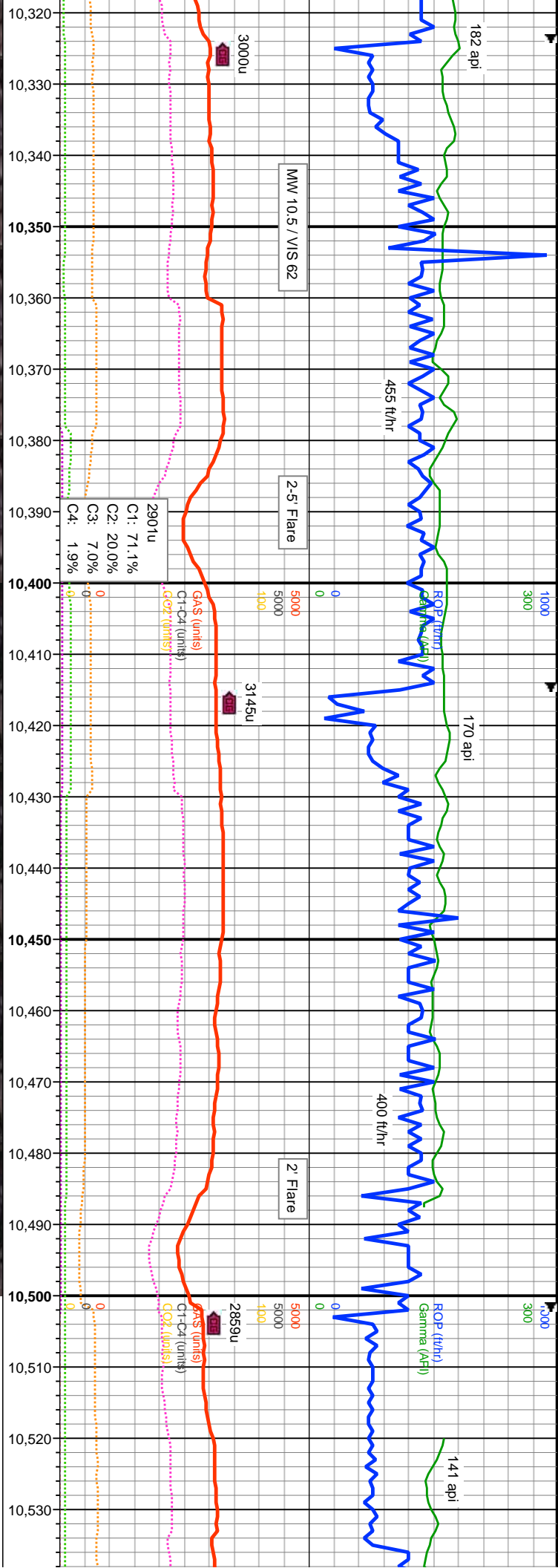




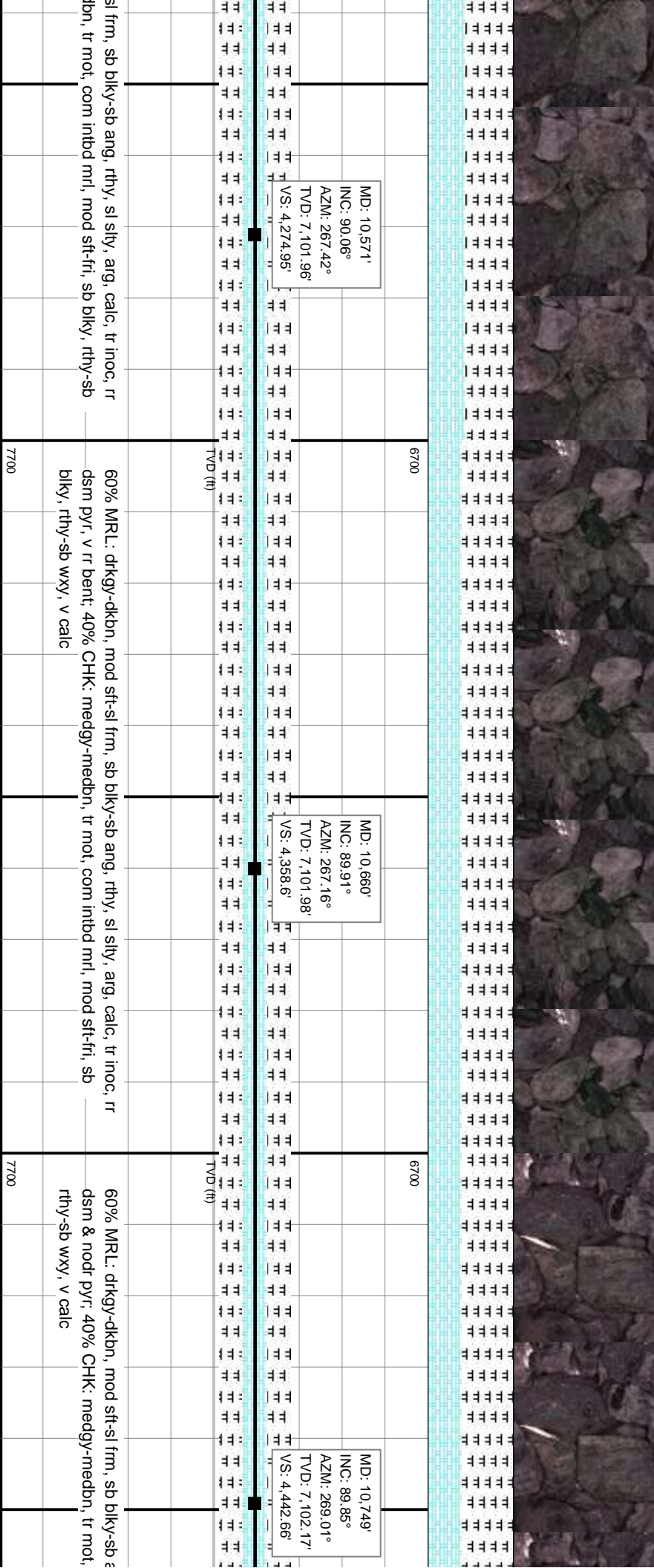
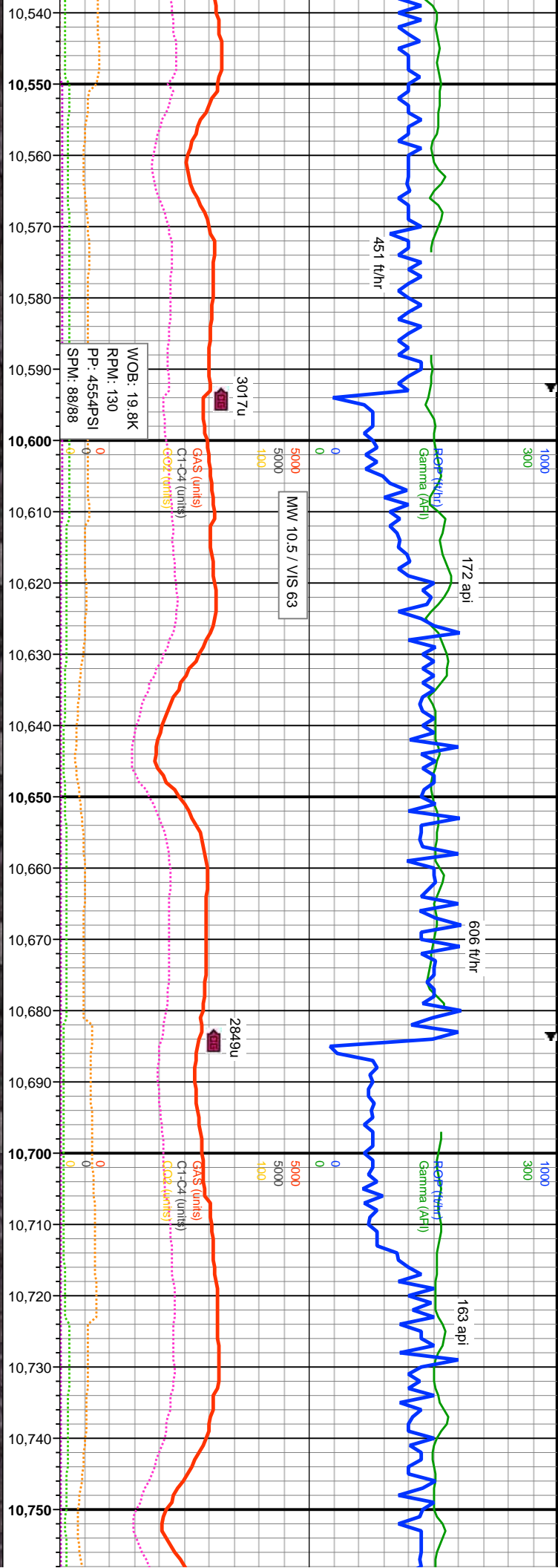


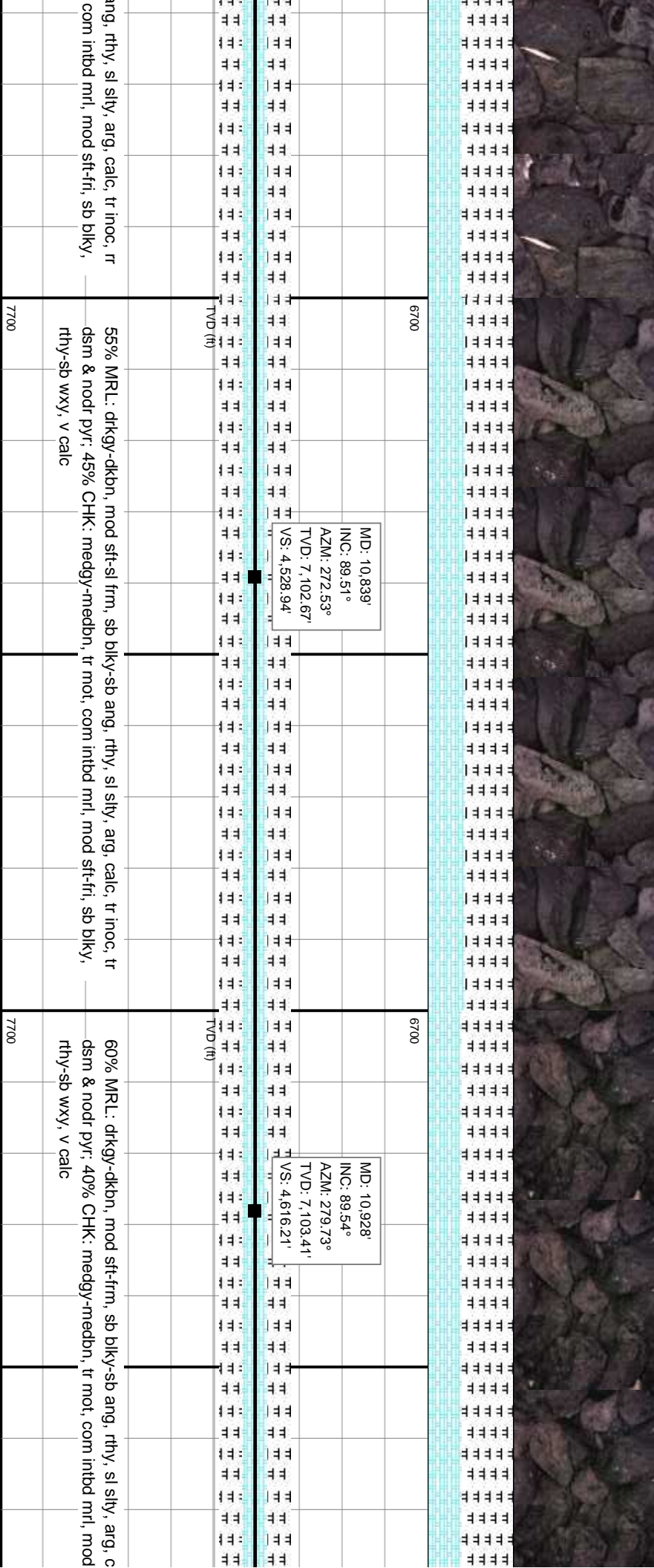
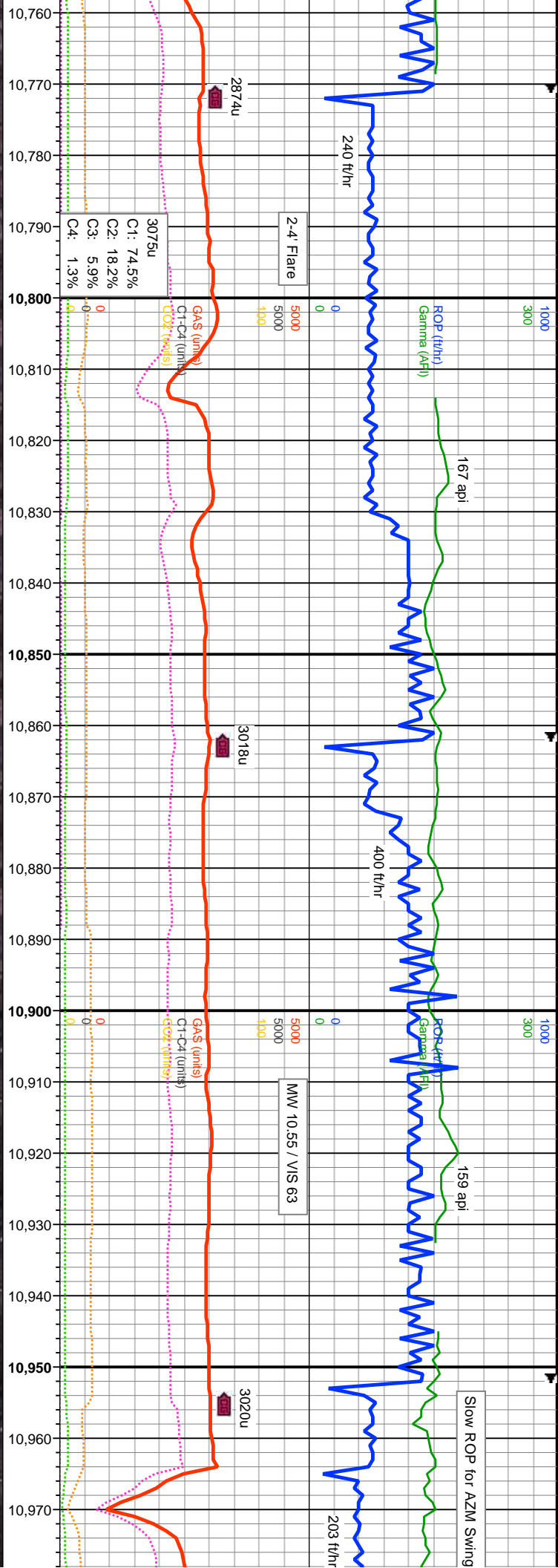


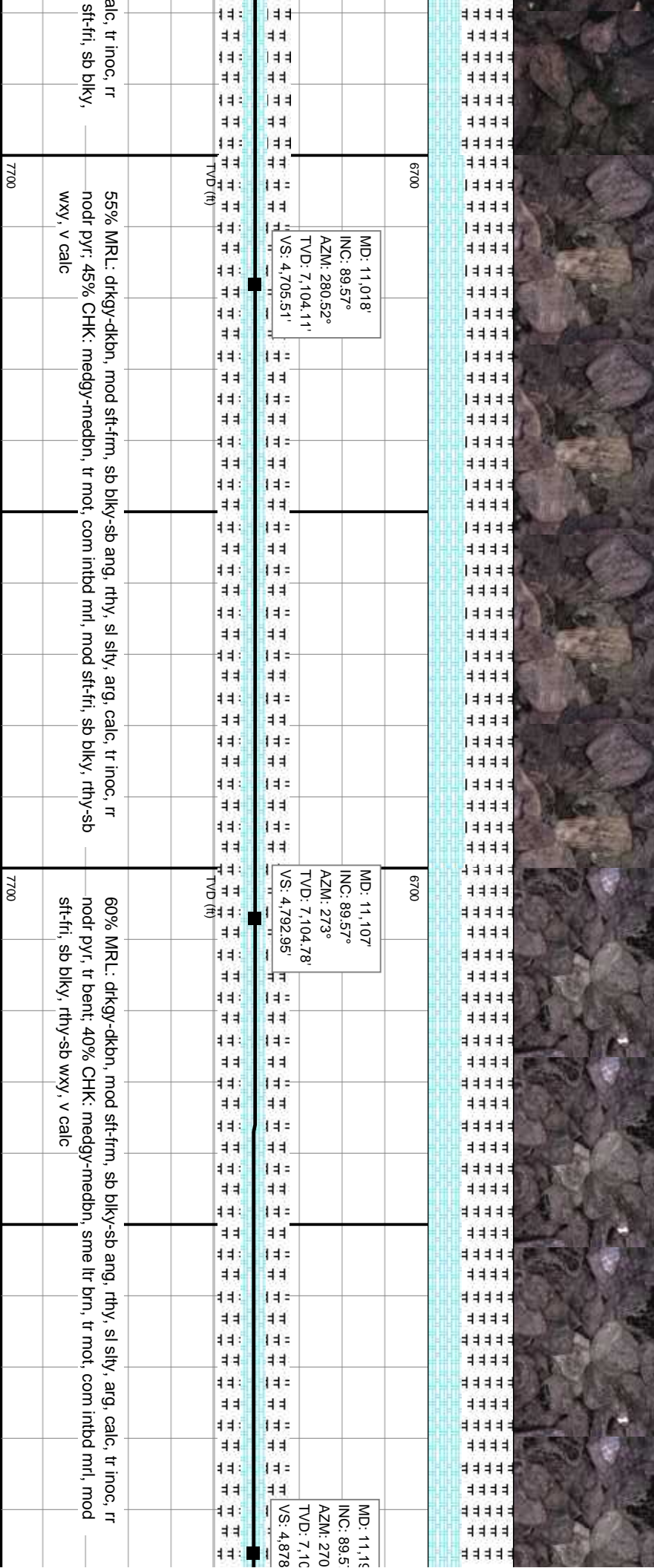
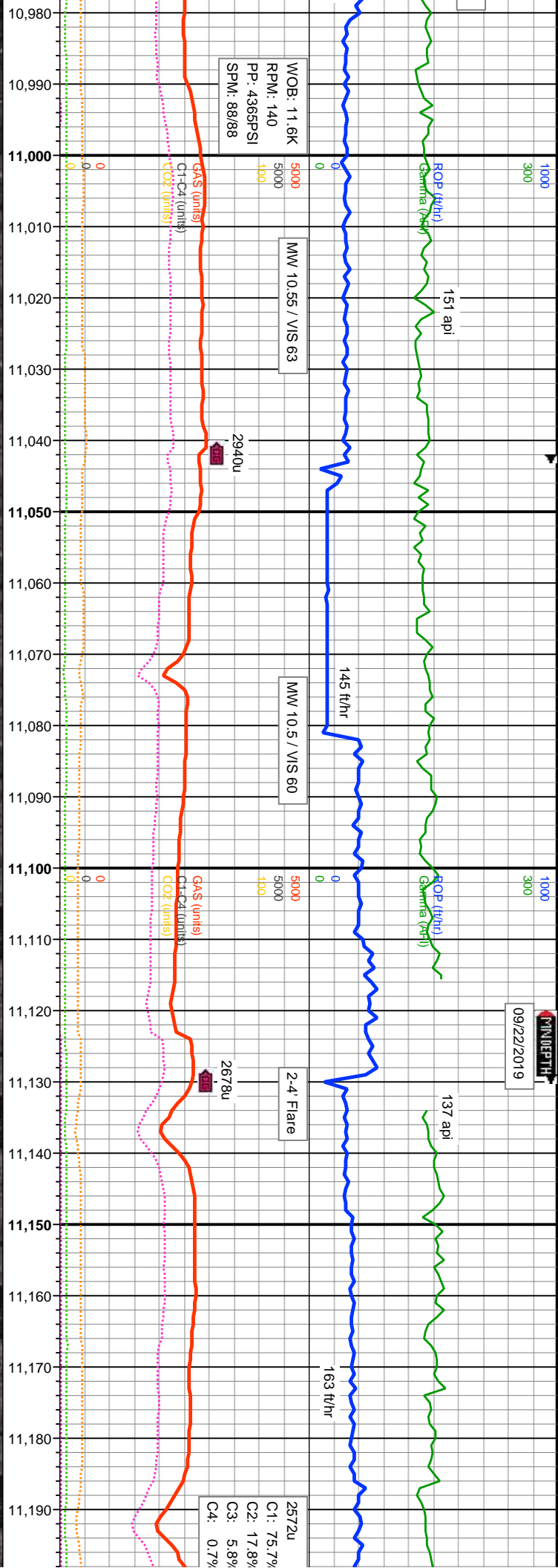


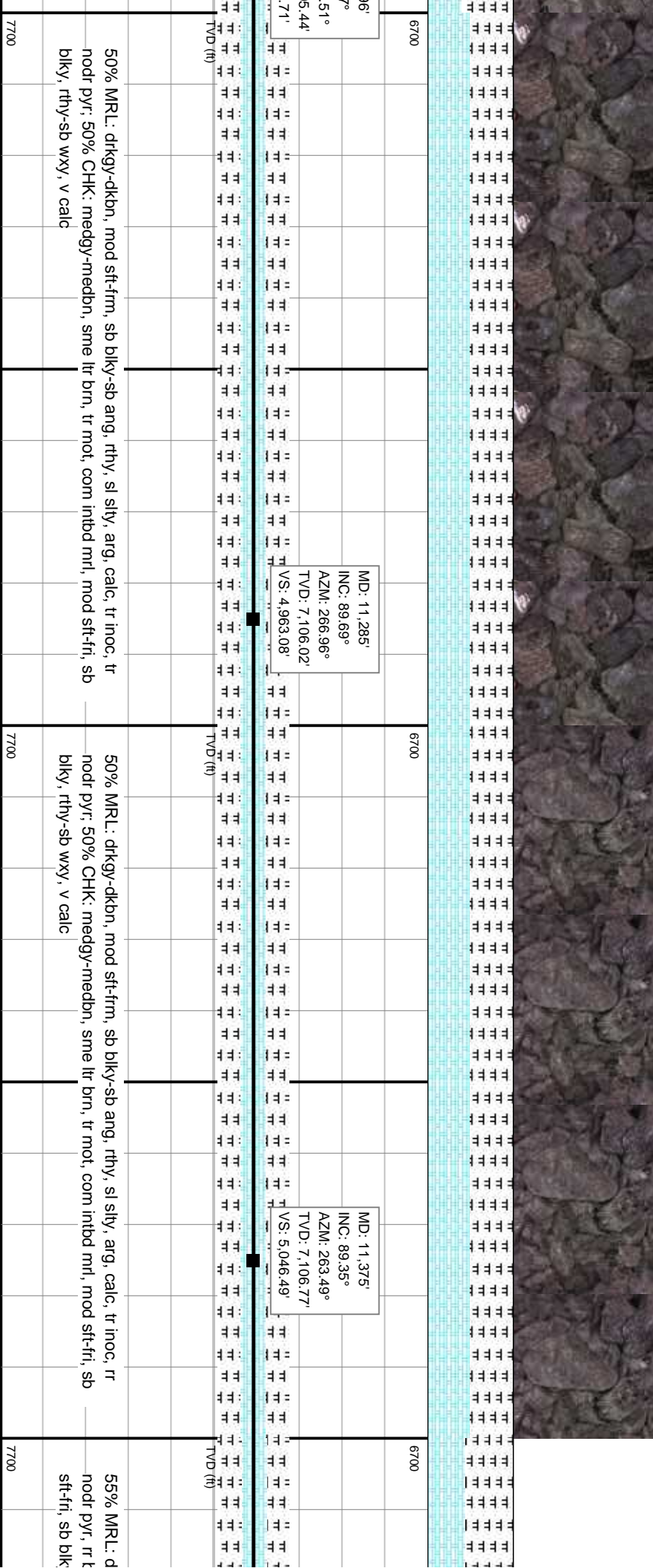
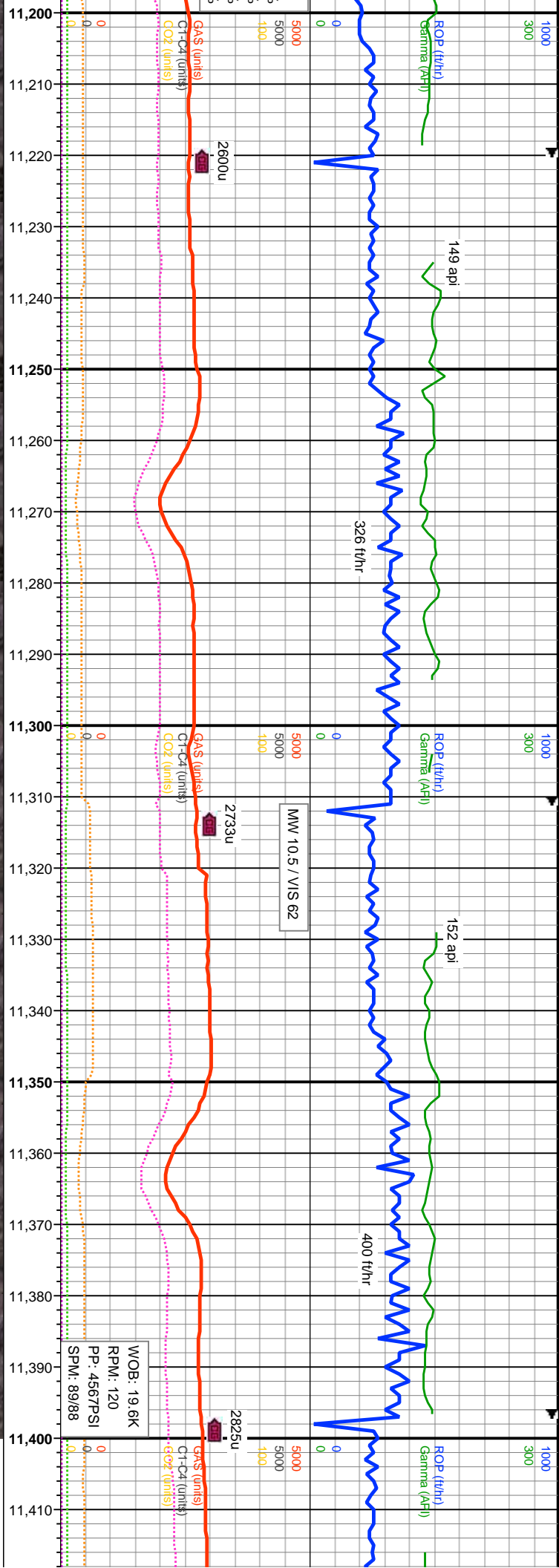


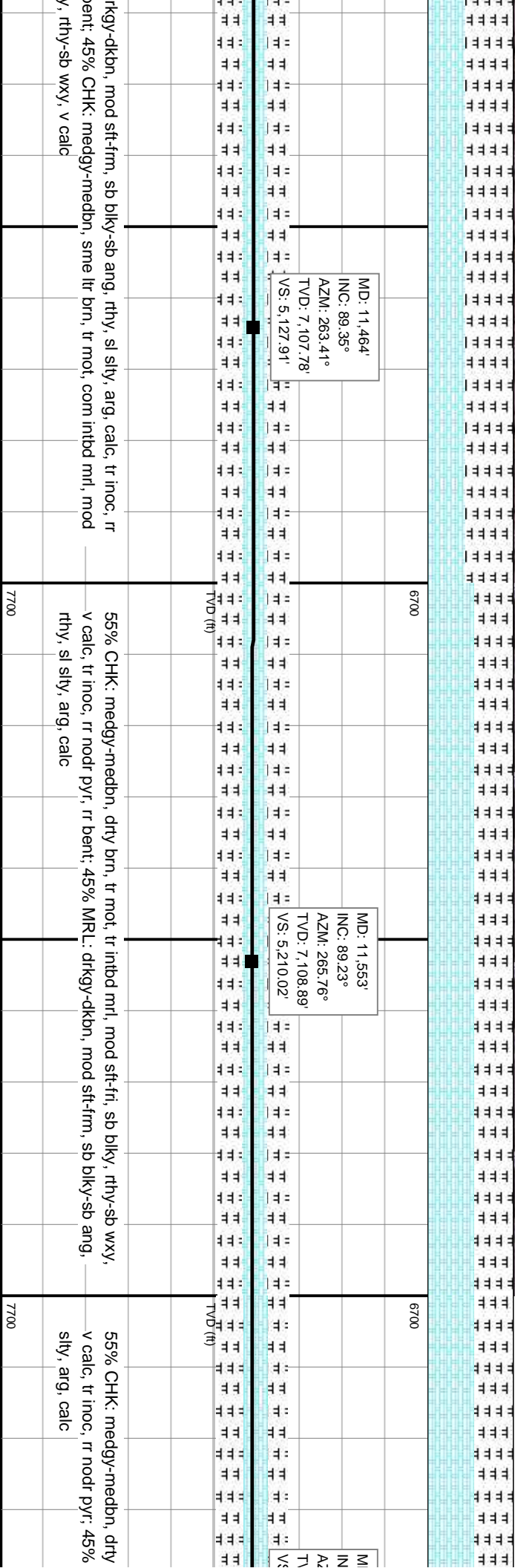
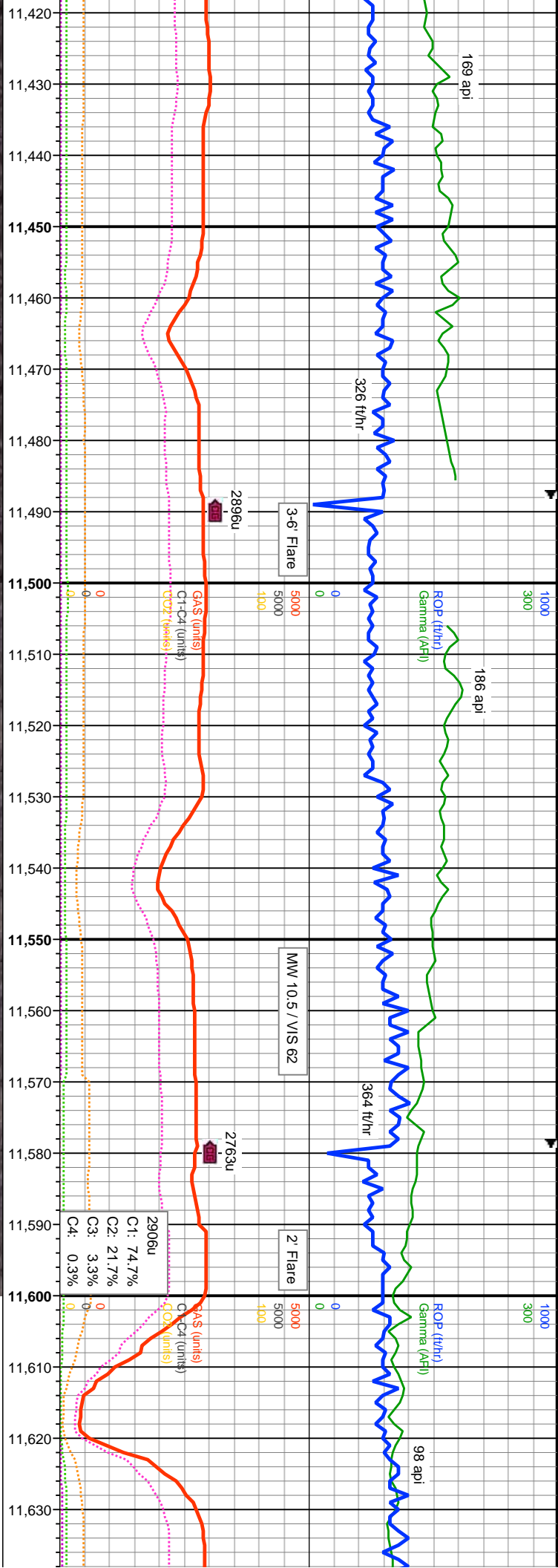
kgg-dkbn, mod sft-sl frm, sb blk-y-sb ang, rthy, sl silty, arg, calc, tr inoc, tr		MD: 10.392' INC: 89.88° AZM: 269° TVD: 7,101.63' VS: 4,105.77'		6700		7700	
ent: 45% CHK: medgy-medbn, tr mot, com intbd mrl, mod sft-fri, sb blk-y,		TVD (ft)		6700		7700	
/calc		TVD (ft)		6700		7700	
60% MRL: drkgg-dkbn, mod sft-sl frm, sb blk-y-sb ang, rthy, sl silty, arg, calc, tr inoc, tr		MD: 10.481' INC: 89.82° AZM: 268.21° TVD: 7,101.86' VS: 4,180.09'		6700		7700	
nodr pyr; 40% CHK: medgy-medbn, tr mot, com intbd mrl, mod sft-fri, sb blk-y, rthy-sb		TVD (ft)		6700		7700	
wxy, v calc		TVD (ft)		6700		7700	
55% MRL: drkgg-dkbn, mod sft-							
nodr pyr; 45% CHK: medgy-mec							
wxy, v calc							

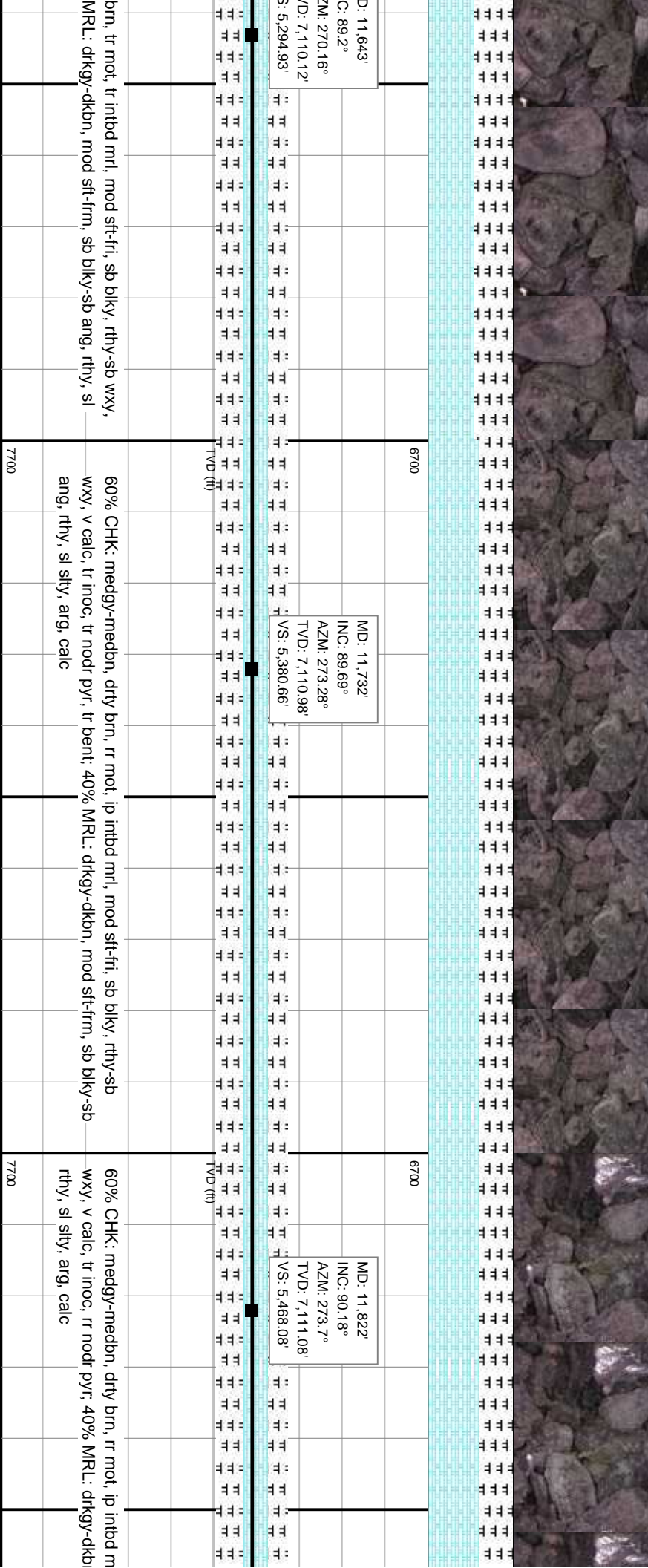
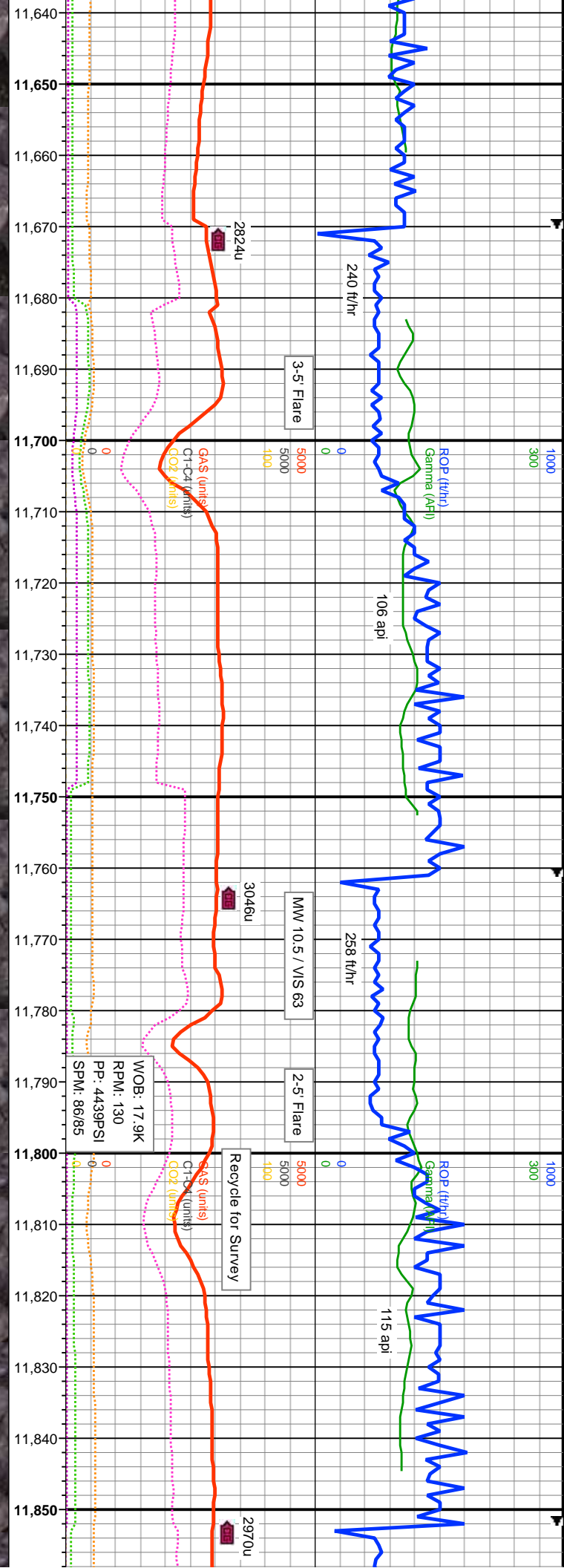


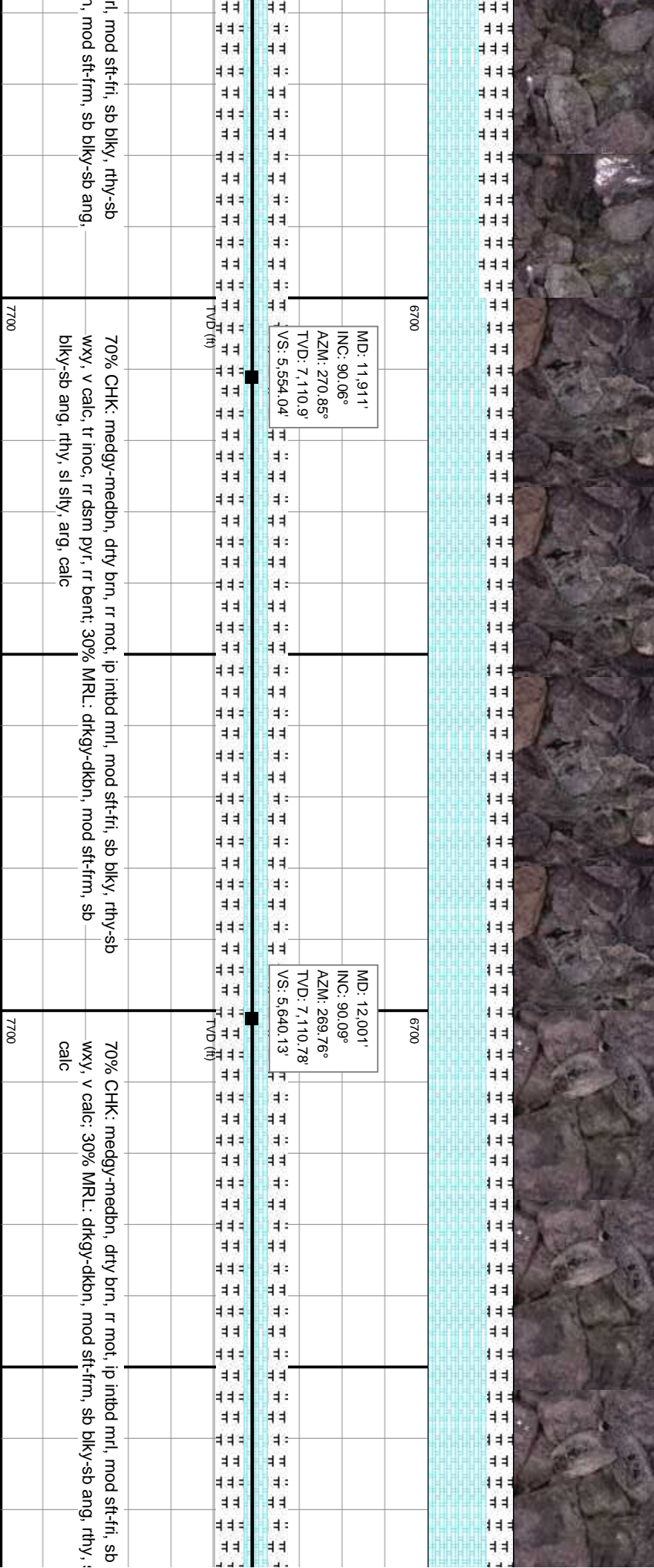
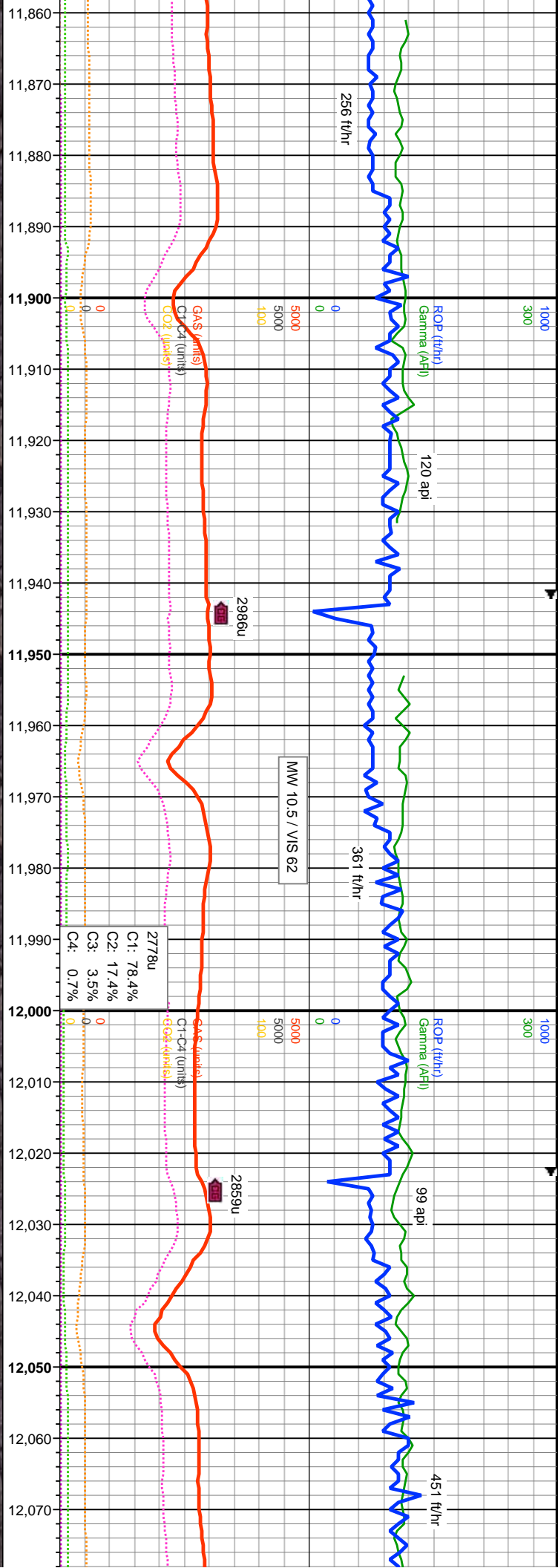


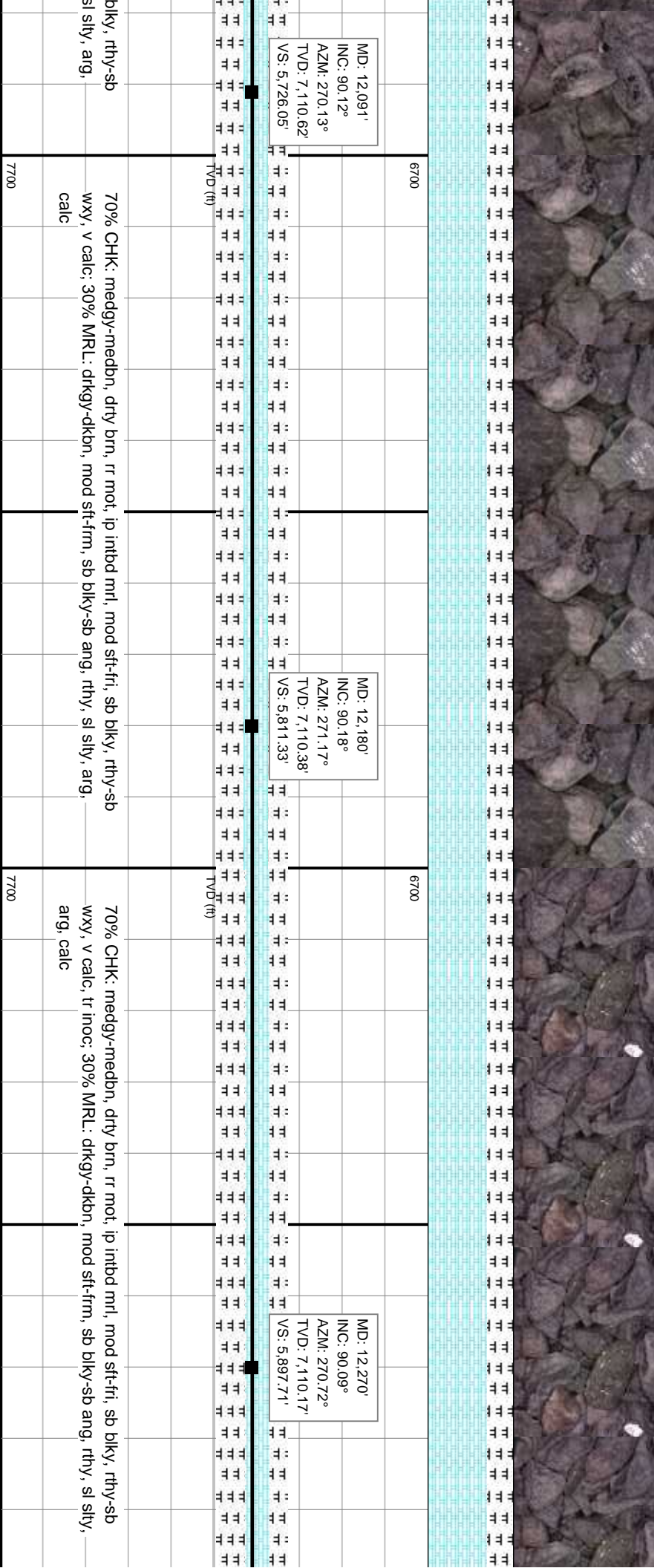
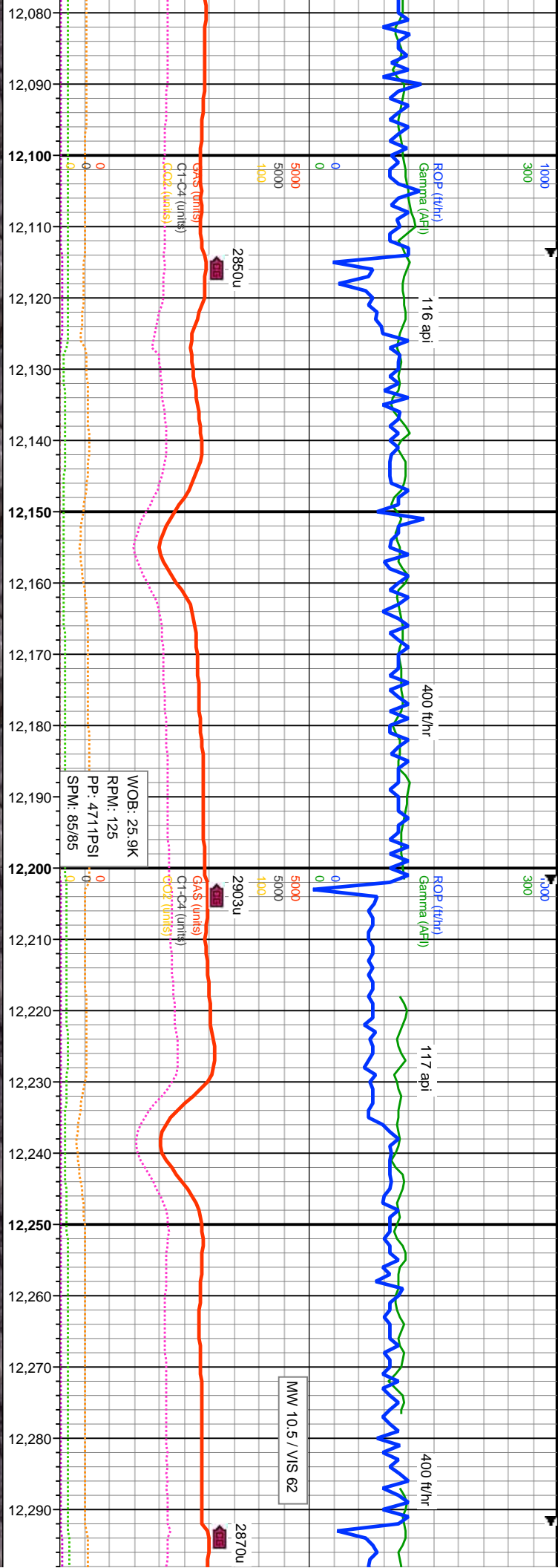


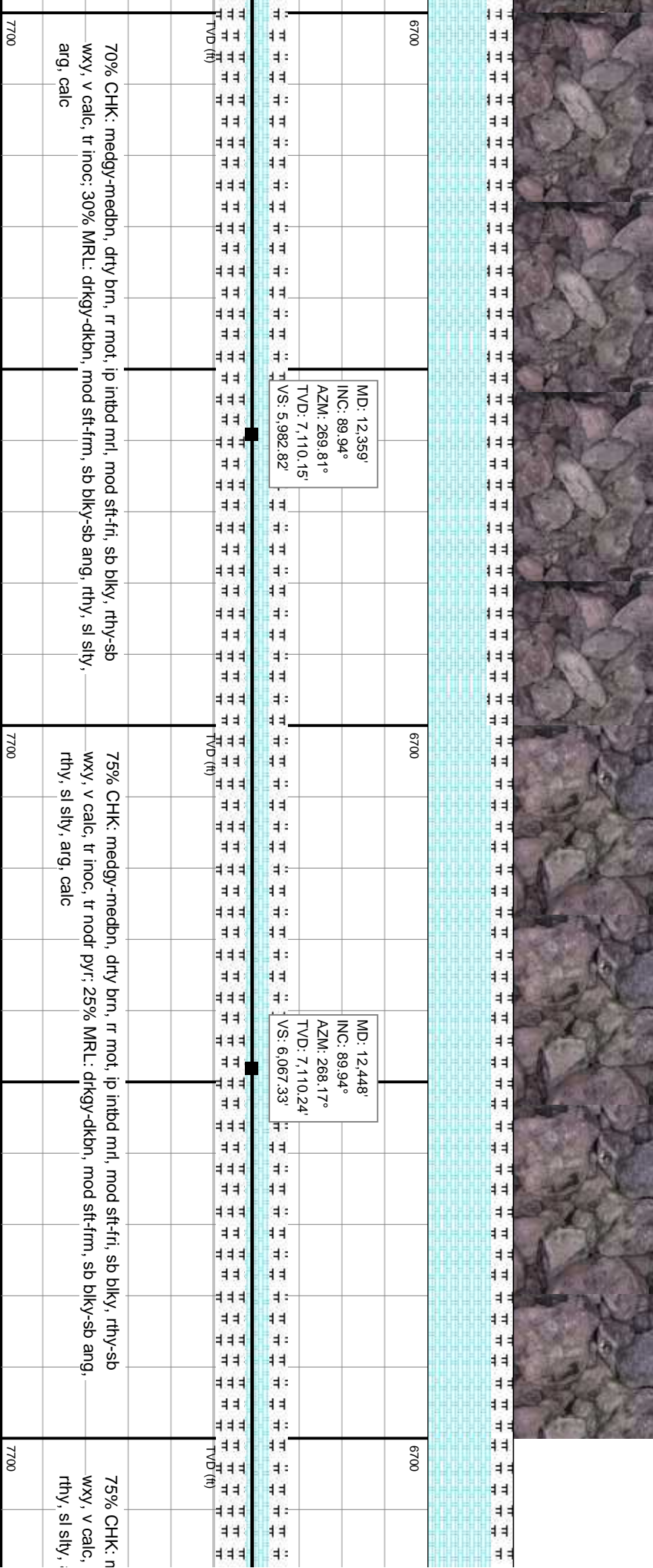
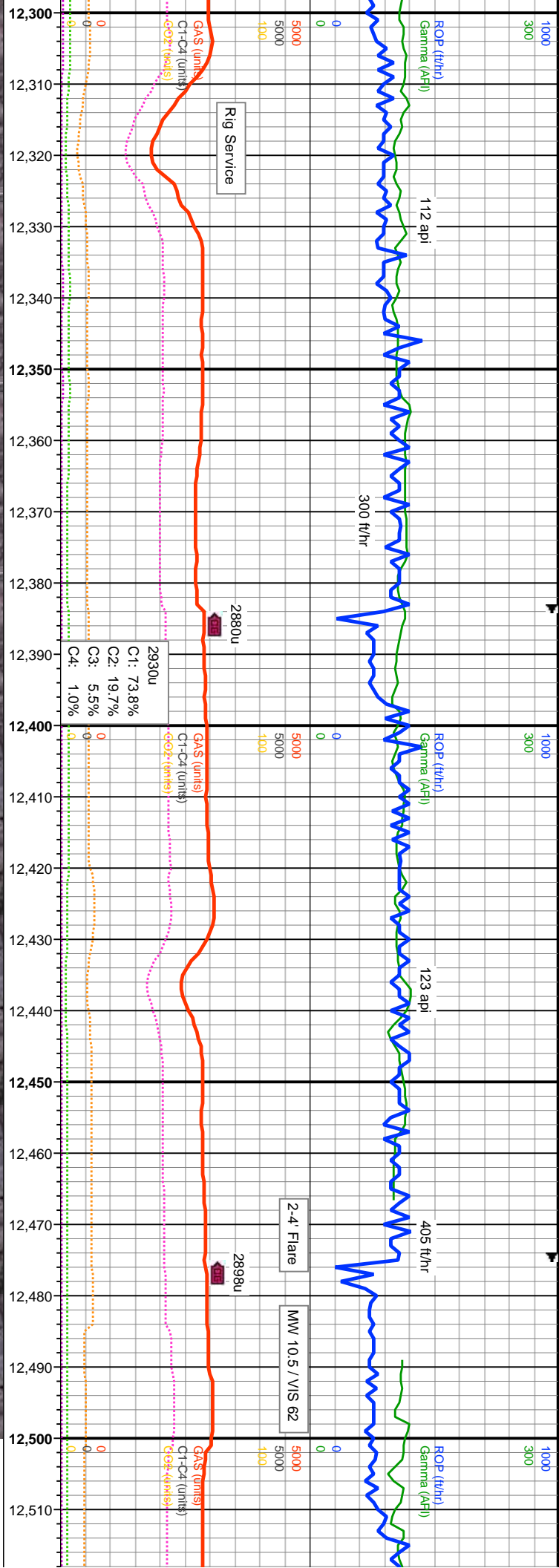


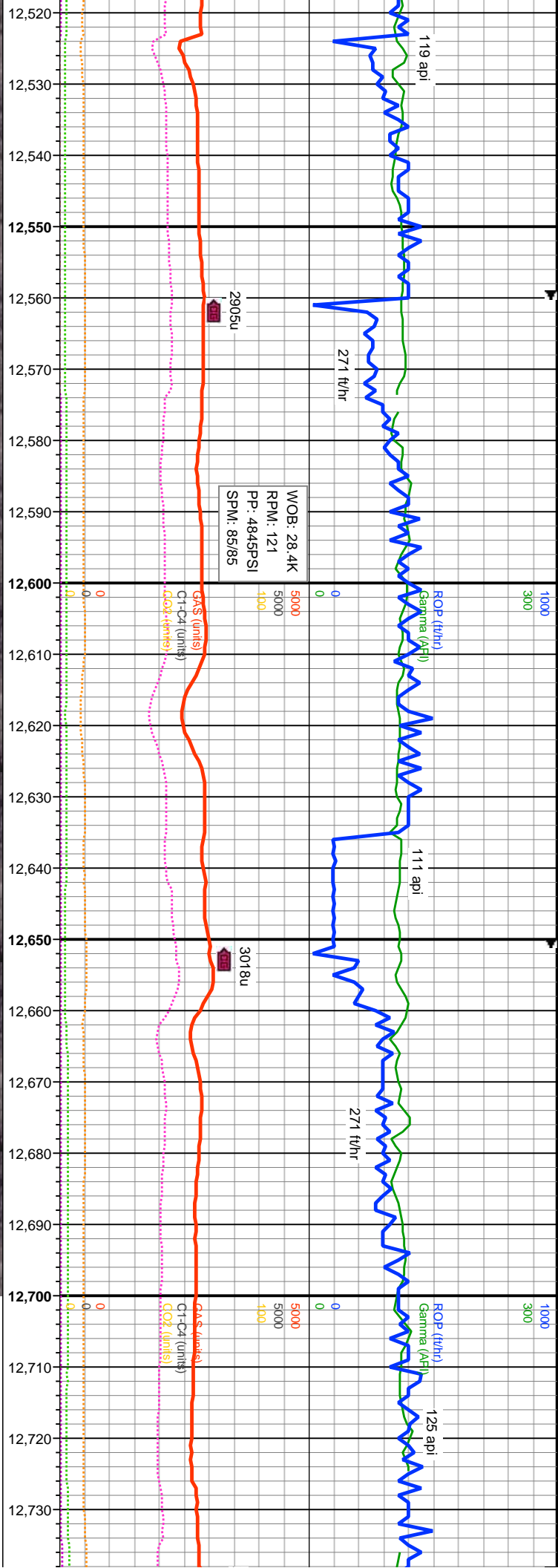












MD: 12,538' INC: 89.85° AZM: 266.76° TVD: 7,110.41' VS: 6,152.01'		MD: 12,627' INC: 89.94° AZM: 265.6° TVD: 7,110.57' VS: 6,235.05'		MD: 12,717' INC: 89.97° AZM: 267.53° TVD: 7,110.64' VS: 6,319.24'	
medgy-medbn, dty brn, rr mot, ip inbda mri, mod sft-fri, sb blk, rthy-sb		70% CHK: medgy-medbn, dty brn, rr mot, ip inbda mri, mod sft-fri, sb blk, rthy-sb		70% CHK: medgy-medbn, dty brn, rr mot, ip inbda mri, mod sft-fri, sb blk, rthy-sb	
rr inoc, tr nodr pyr; 25% MRL: drfgy-dkbn, mod sft-fm, sb blk-sb ang,		wxy, v calc, rr inoc, rr nodr pyr; 30% MRL: drfgy-dkbn, mod sft-fm, sb blk-sb ang,		wxy, v calc, rr inoc, rr nodr pyr; 30% MRL: drfgy-dkbn, mod sft-fm, sb blk-sb ang,	
arg, calc		rthy, sl slty, arg, calc		rthy, sl slty, arg, calc	
TVD (ft)		TVD (ft)		TVD (ft)	
6700		6700		6700	
7700		7700		7700	

