



Scale: 5" / 100'  
Measured Depth Log

Well Name Schneider HD 11-352HN

Location SMSW S19 T4N R66W

State COLORADO

County WELD

Country USA

Rig Number XTREME 17

API Number 05-123-41748

Field WATTENBERG

Region DJ BASIN

Drilling Completed 10/11/2015

Spud Date 10/7/2015

Surface Coordinates 1165' FSL, 280' FWL

Bottom Hole Coordinates PROJECTED:  
659' FSL, 2174' FEL

Ground Elevation 4735'

K.B. Elevation 4751'

Logged Interval 6000' To 14536'

Total Depth 14536'

Formation NIO C CHALK

Type of Drilling Fluid OBM

## Operator

Company Great Western Oil and Gas

Address 1801 Broadway, Ste 500  
Denver, CO 80202

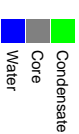
## Geologist

Name Kevin Donahue and Beth Storey

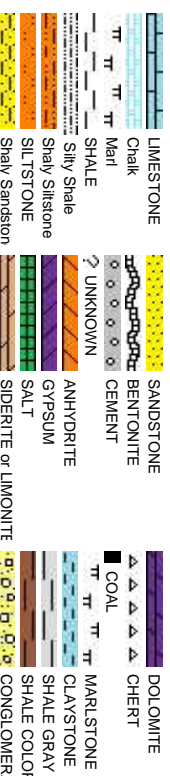
Company Terra Guidance

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

## Zone Color Coding



## Rock Types



Accessories

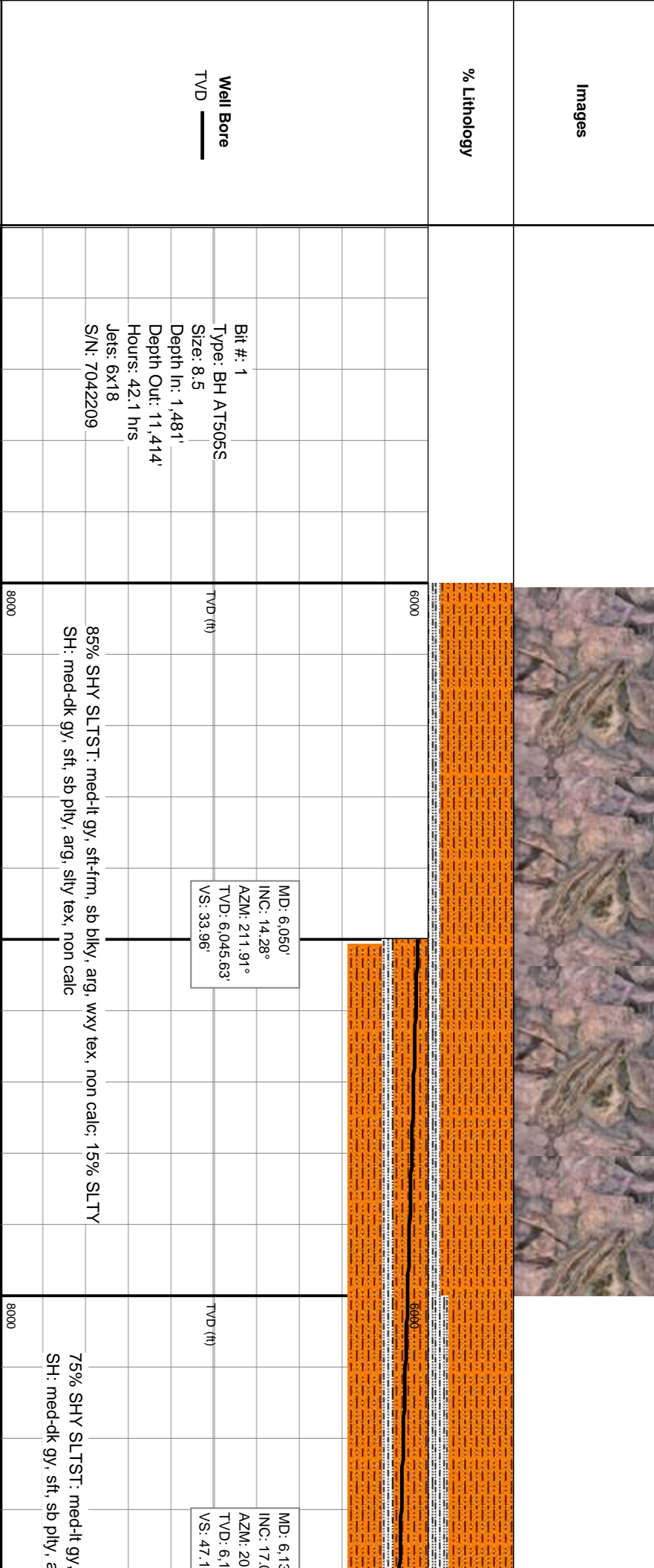
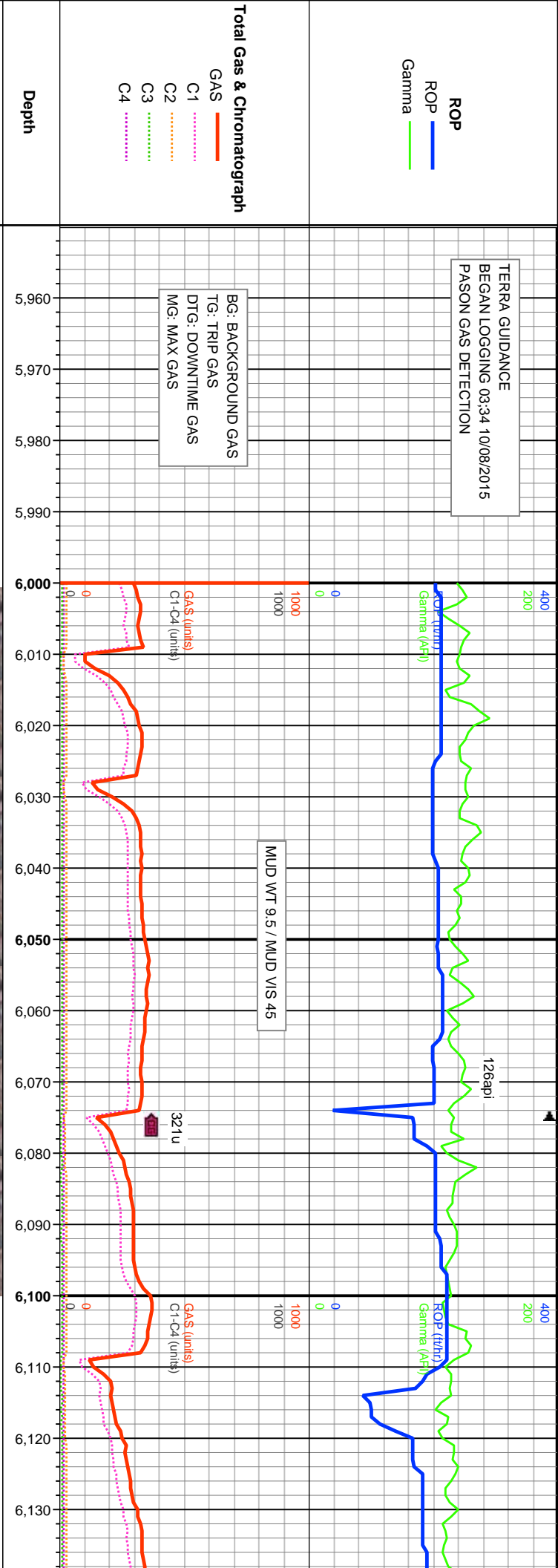
Fossils		Stringer	
F FOSSIL	ARGILLACEOUS	GLAUCONITE	ANHYDRITE STRINGER
GASTROPOD	ARGILLITE GRAIN	GYPSIFEROUS	BENTONITE STRINGER
ALGAE	OOLITE	HEAVY MINERAL	COAL STRINGER
AMPHIPORA	OSTRACOD	BITUMENOUS SUBSTANCE	DOLOMITE STRINGER
BELEMITE	PELECYPOD	BRECCIA FRAGMENTS	GYPSUM STRINGER
BIOCLASTIC	PELLET	CALCAREOUS	LIMESTONE STRINGER
BRACHIOPOD	PISOLITE	CARBONACEOUS FLAKES	MARLSTONE (CALC) STRG
BRYOZOA	PLANT REMAINS	CHTDK	MARLSTONE (DOL) STRG
CEPHALOPOD	PLANT SPORES	CHTLT	SANDSTONE STRINGER
CORAL	SCAPHOPOD	COAL - THIN BEDS	SHALE STRINGER
CRINOID	STROMATOPOROID	DOLOMITIC	SILTSTONE STRINGER
ECHINOID		FELDSPAR	
Minerals		FERRUGINOUS PELLET	
FISH	ANHYDRITIC	FERRUGINOUS	
FORAMINIFERA		FERRUGINOUS	
		SILTY	
		TUFFACEOUS	

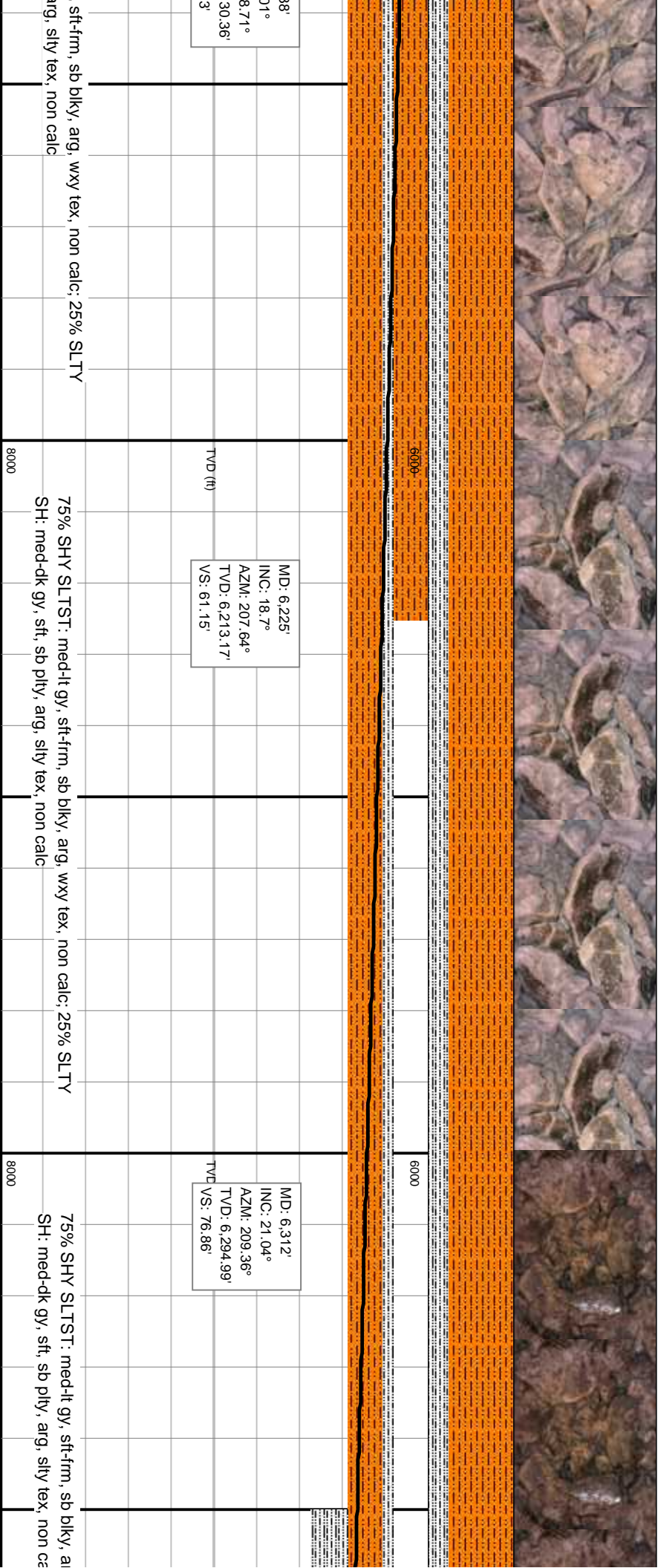
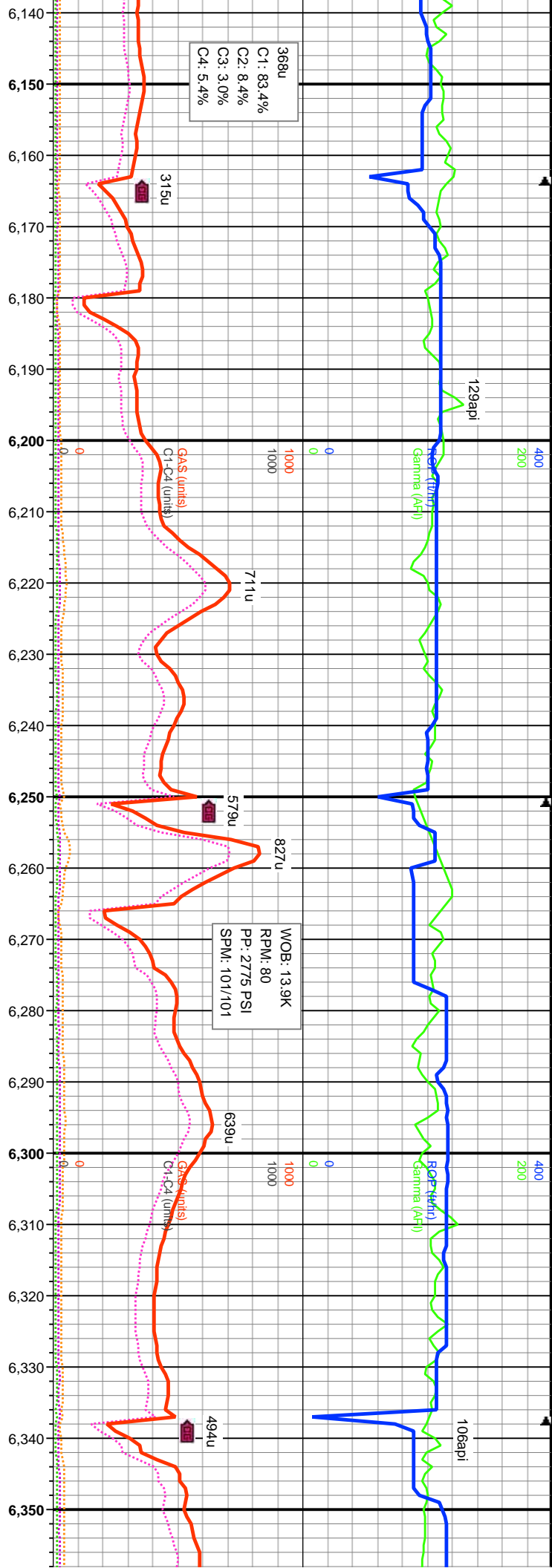
Other Symbols

Oil Show		Rounding	
ORGANIC	FORMATION TOP	L LITHOGRAPHIC	
PINPOINT	GAS SHOW	MX MICROXLN	
VUGGY	MINDEPTH MN DEPTH	MS MUDSTONE	
Engineering		R ROUNDED	PS PACKSTONE
EVEN	NORMAL FAULT	B SUBANG	WS WACKESTONE
QUESTIONABLE	OIL SHOW		
SPOTTED STAINING	OVERTURNED STRATA		
BIT	REVERSE FAULT		
CASING	SIDEWALL CORE (LEFT)	Textures	
CONNECTION (LEFT)	SIDEWALL CORE (RIGHT)	M MODERATE	
CONNECTION (RIGHT)	SIDEWALL CORE (RIGHT)	P POOR	
CONNECTION GAS	SLIDE	C CHALKY	
CORE - LOST	SURVEY	CX CRYPTOXLN	
CORE - RECOVERED	TRIP GAS	E EARTHY	
DST INTERVAL	WIRELINE TESTED - LEFT	FX FINELYXLN	
FAULT	WIRELINE TESTED - RT	GS GRANSTONE	
Porosity			
E EARTHY			
F FENESTRAL			
F FRACTURE			
INTERCRYSTALLINE			
INTEROOLITIC			
MOLDIC			



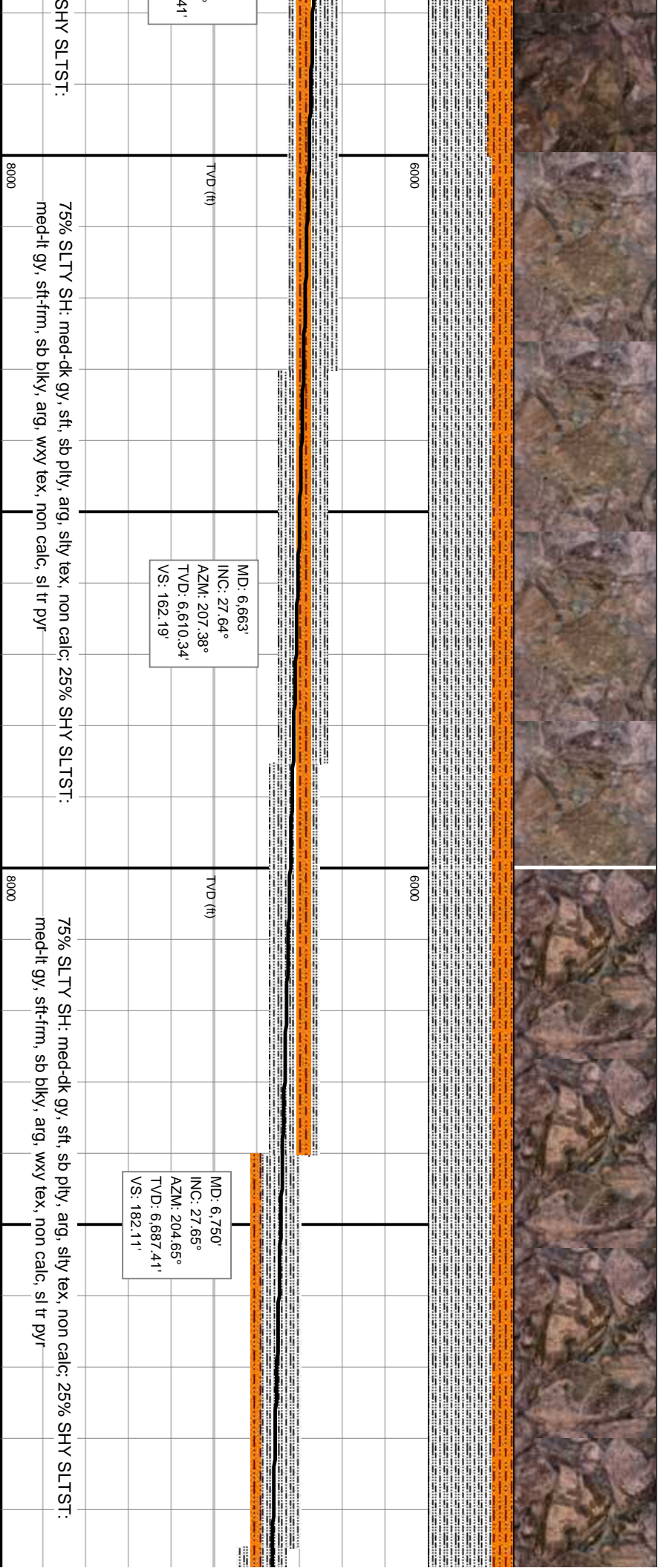
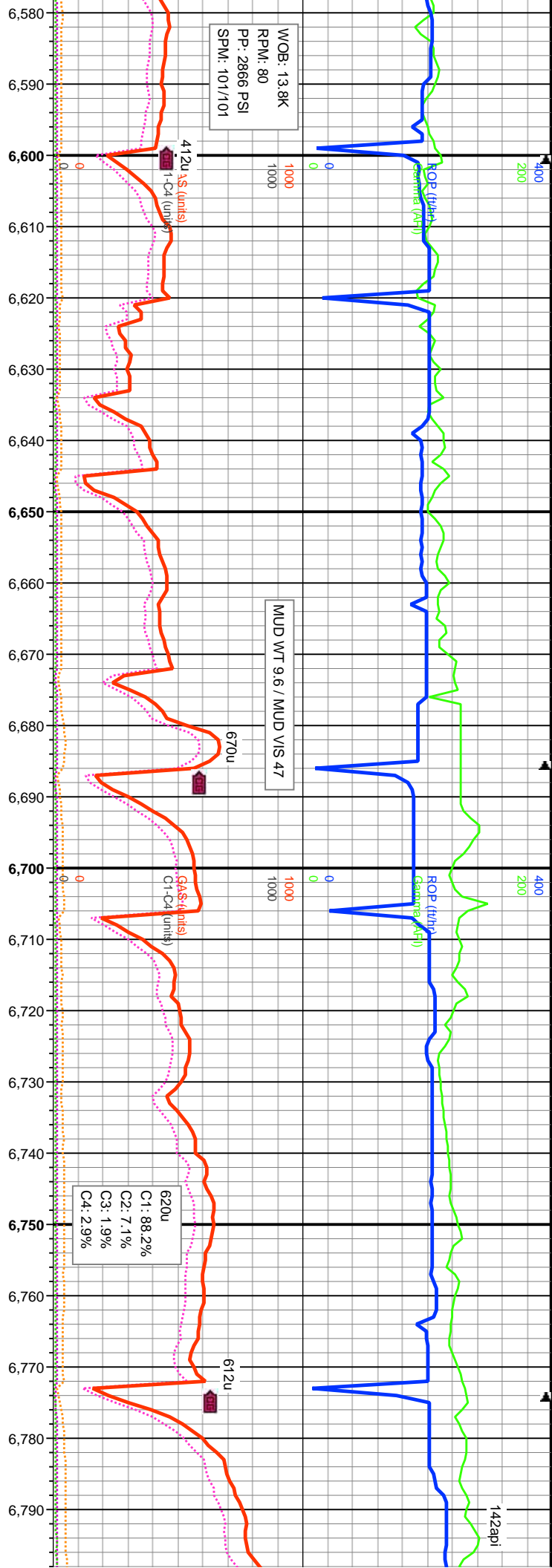
RED  
ATE



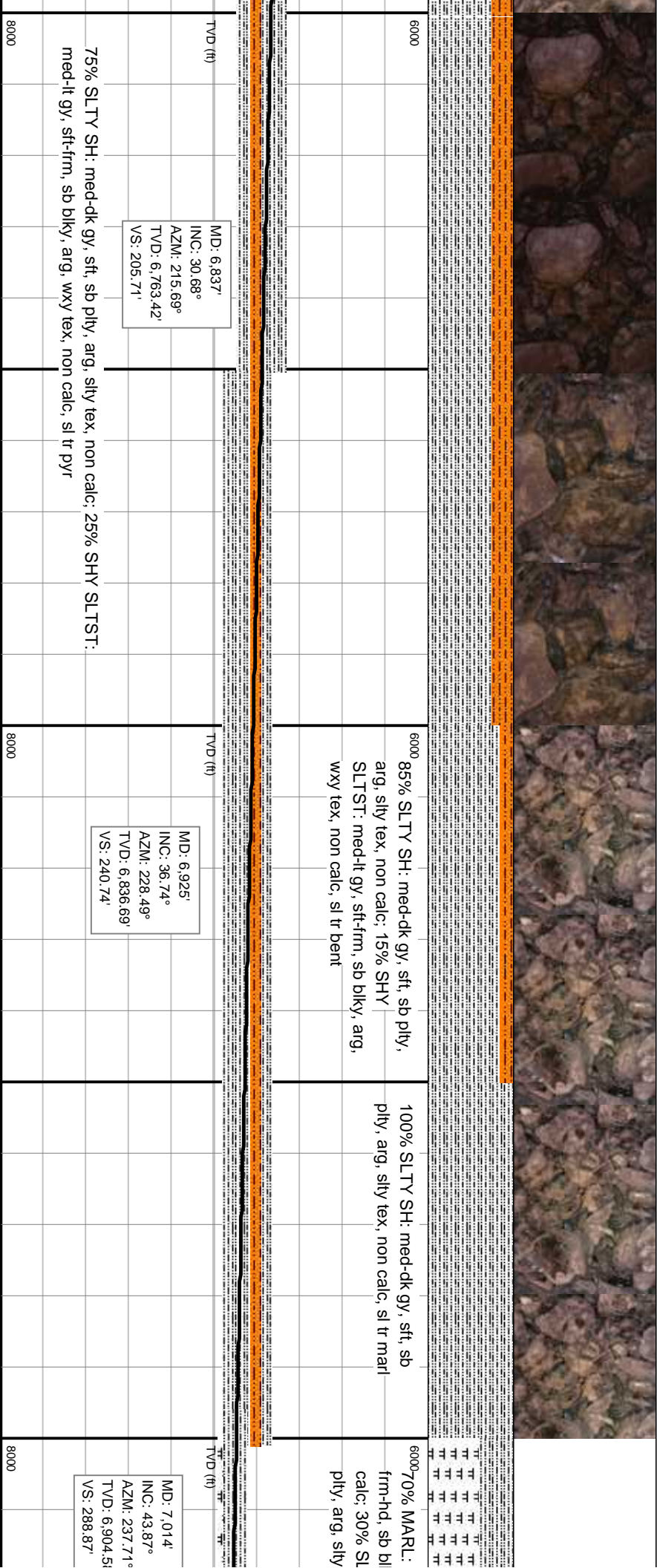
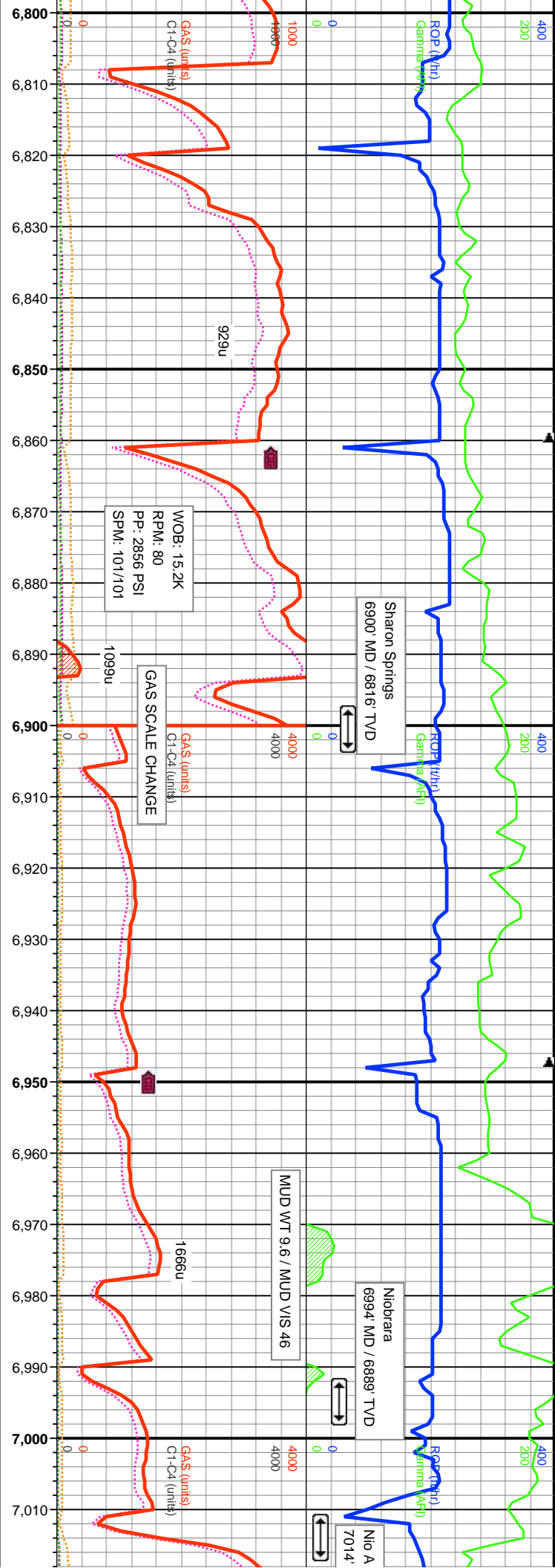


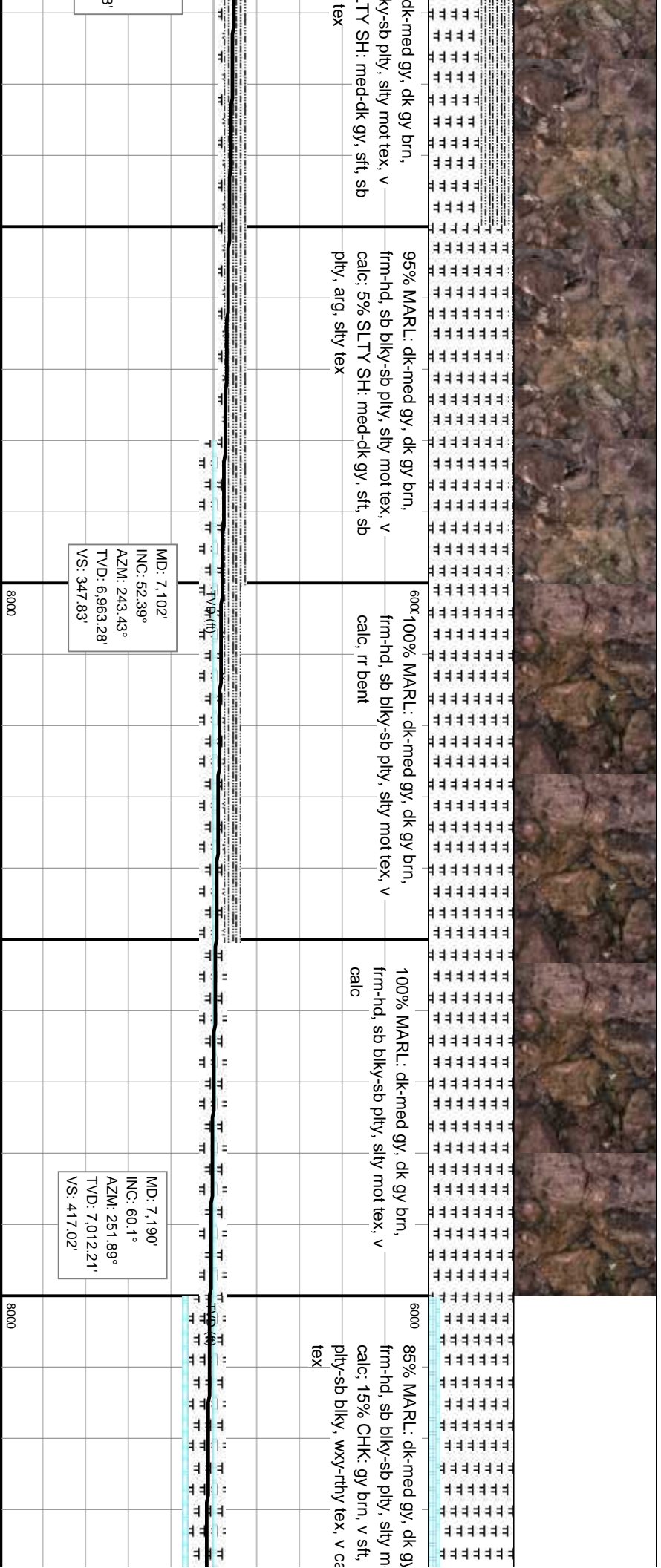
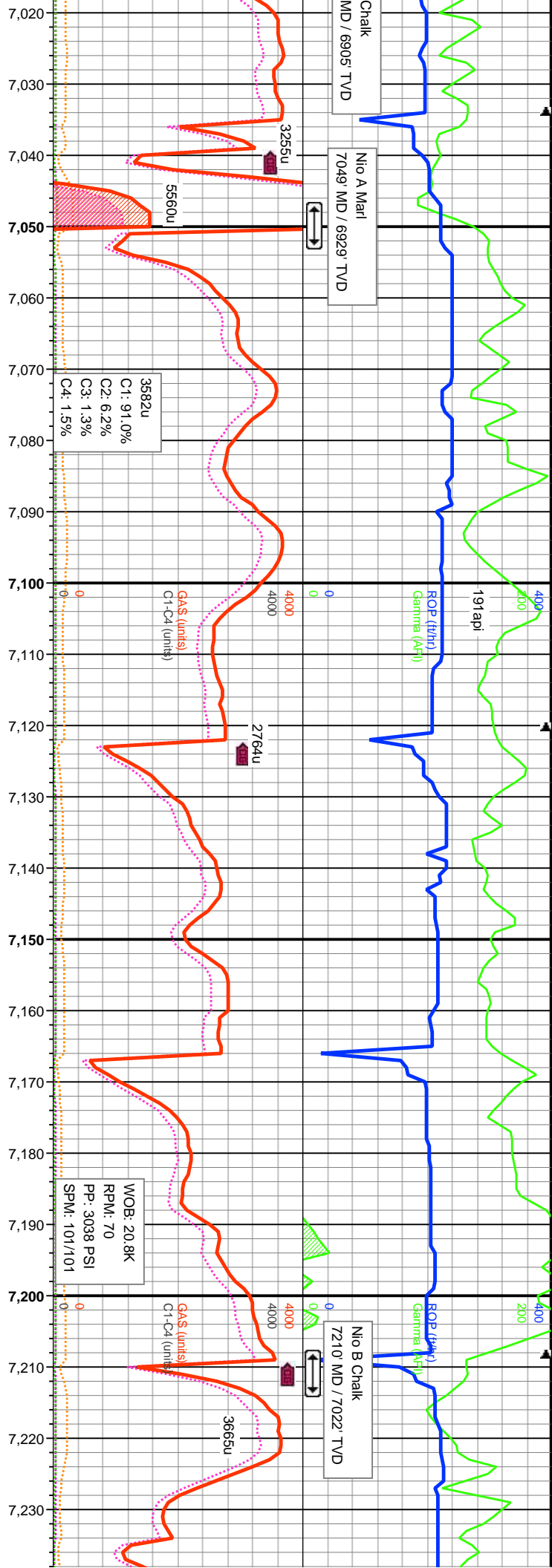










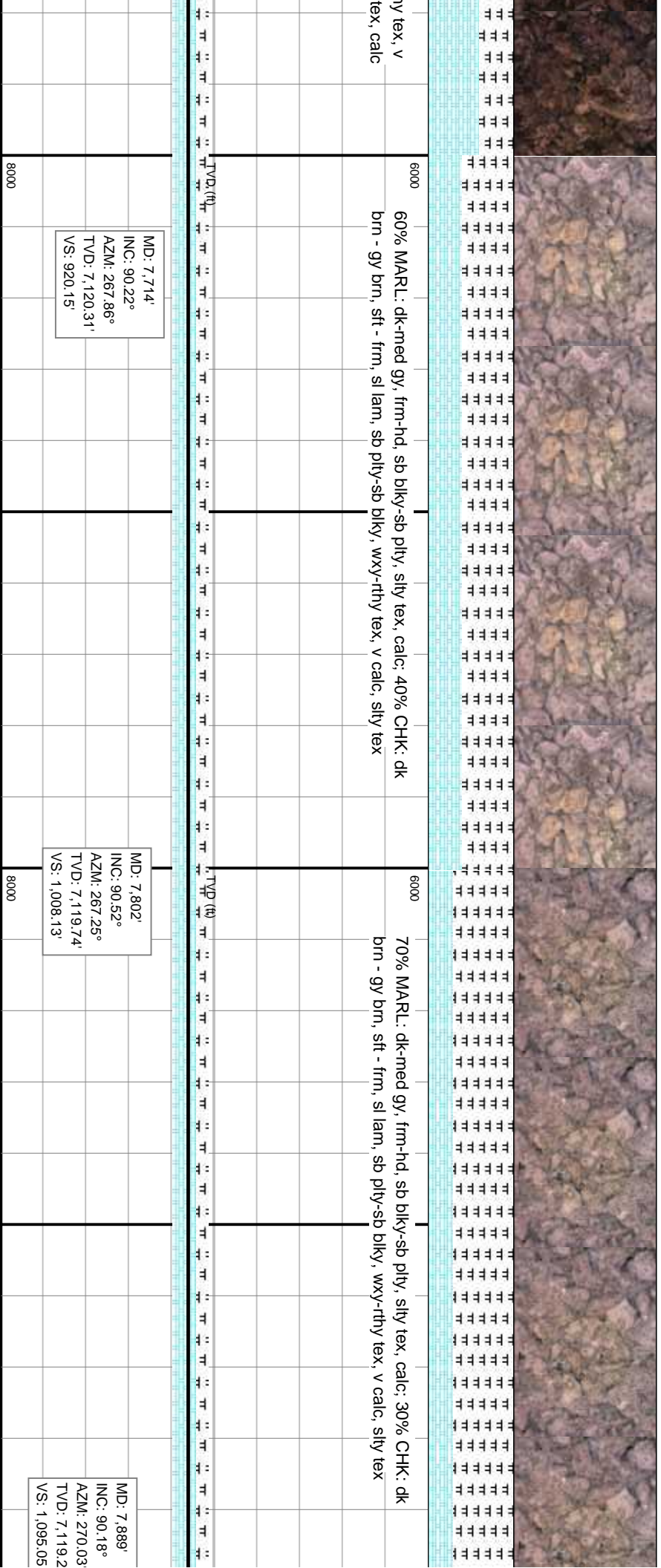
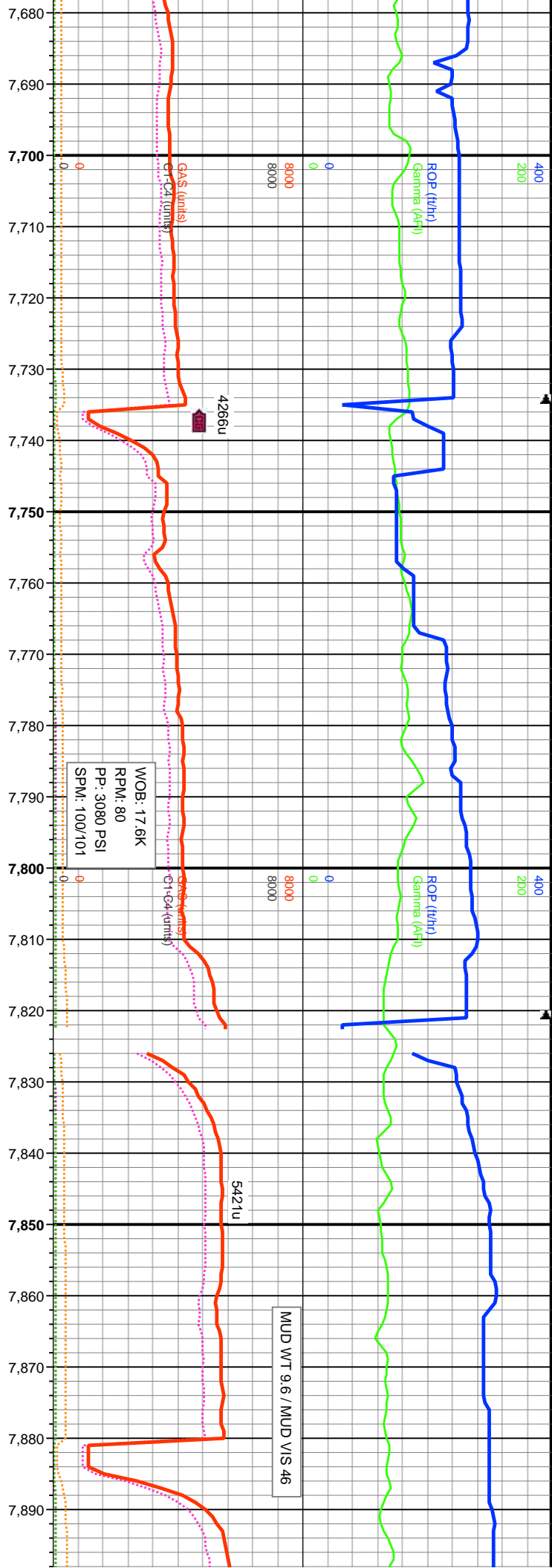


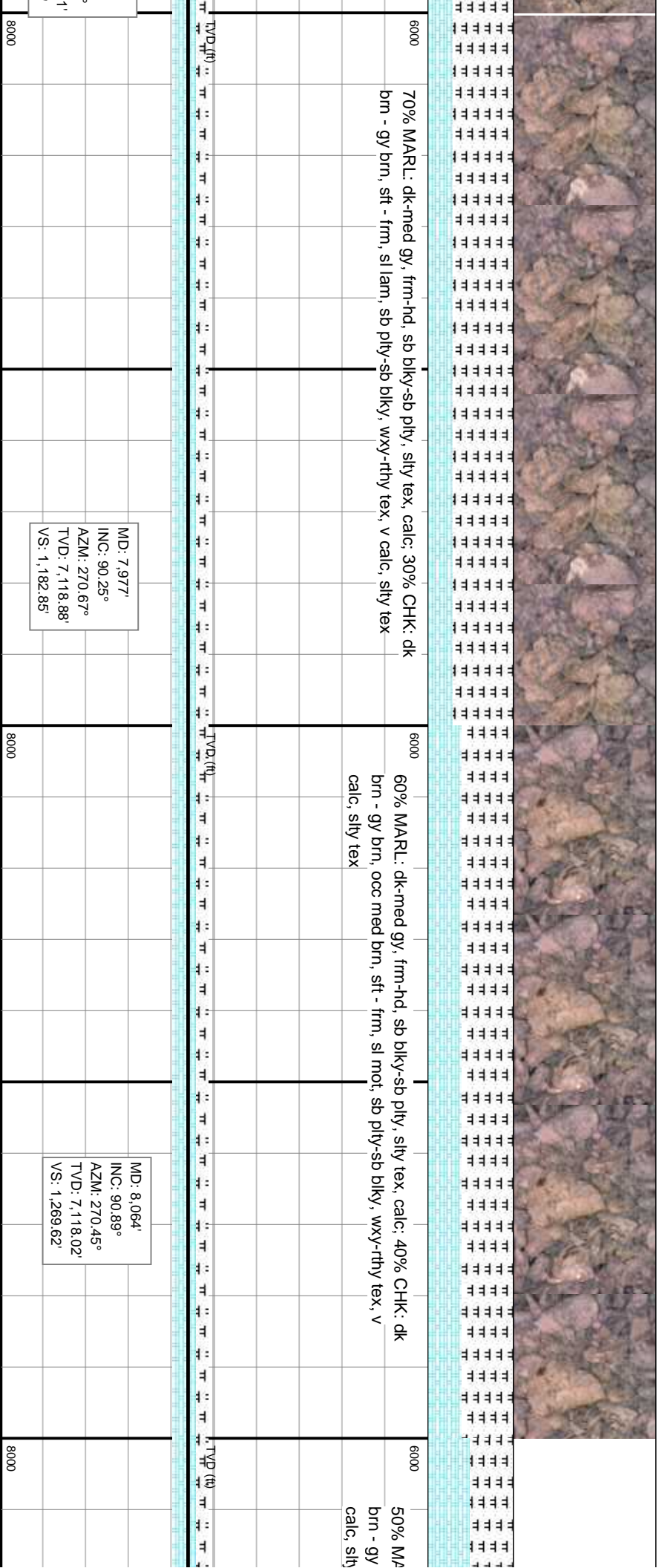
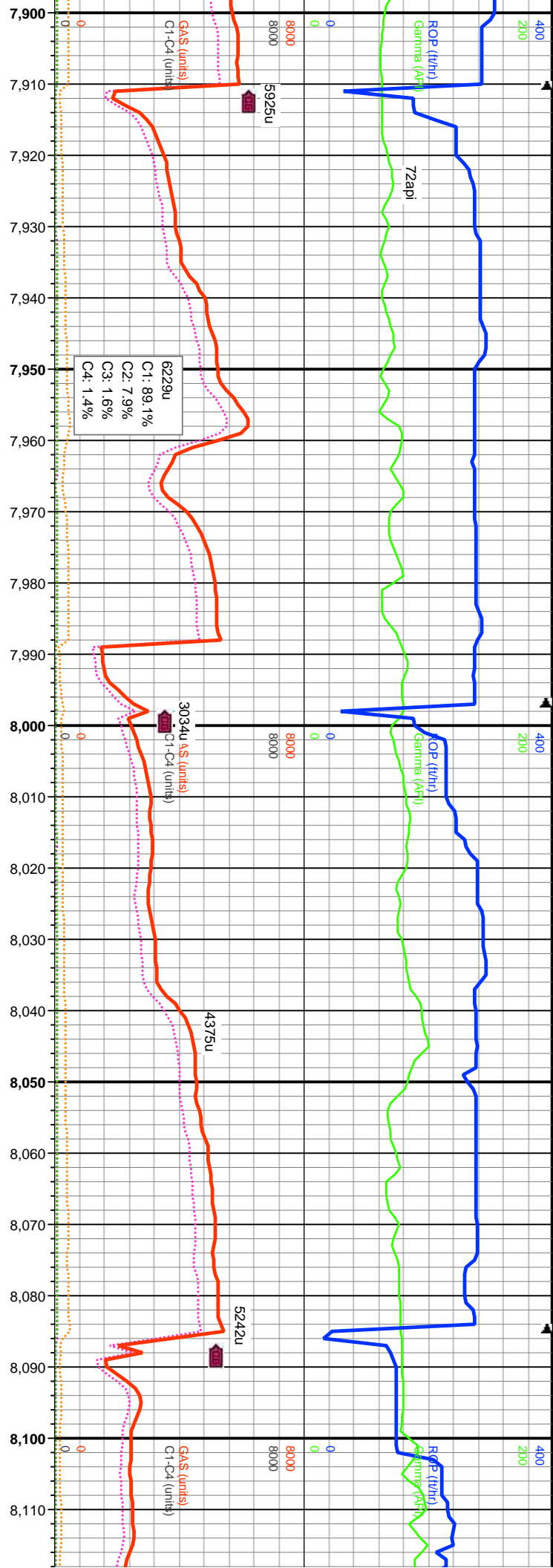






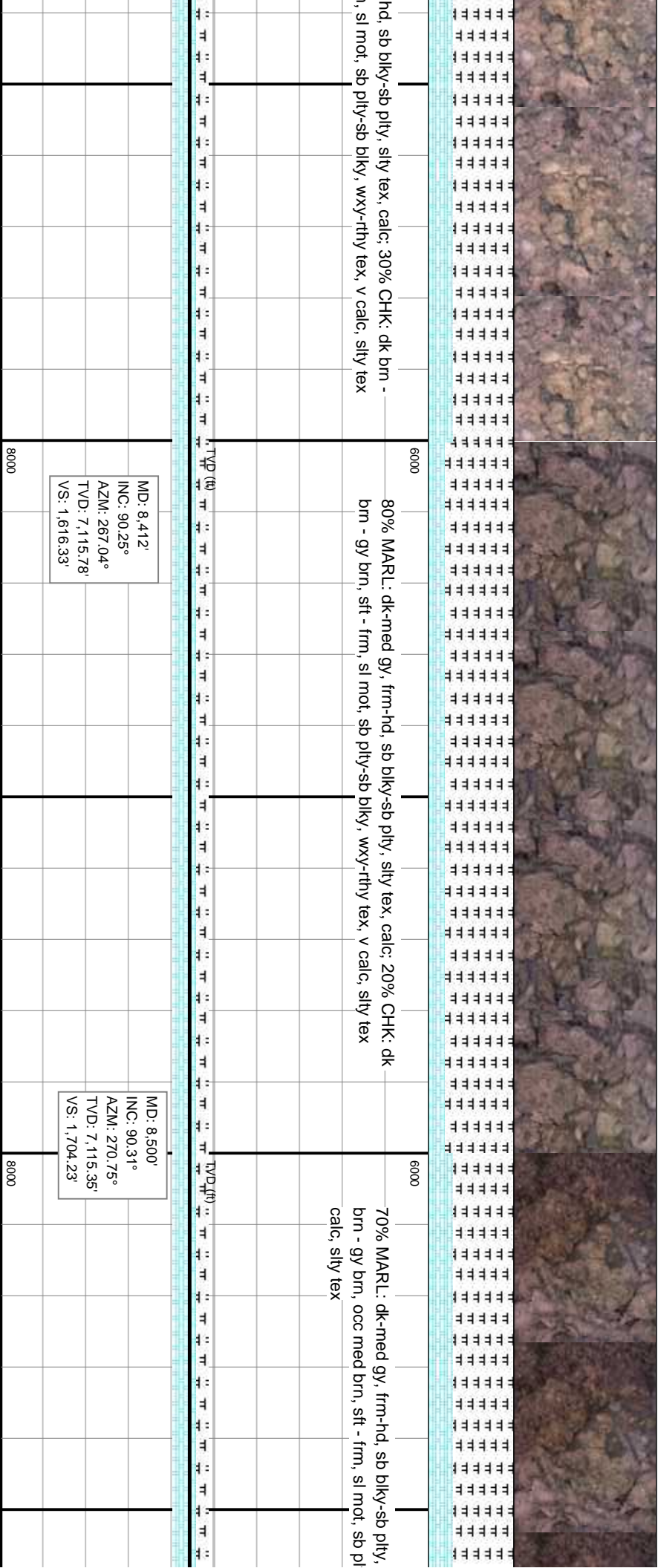
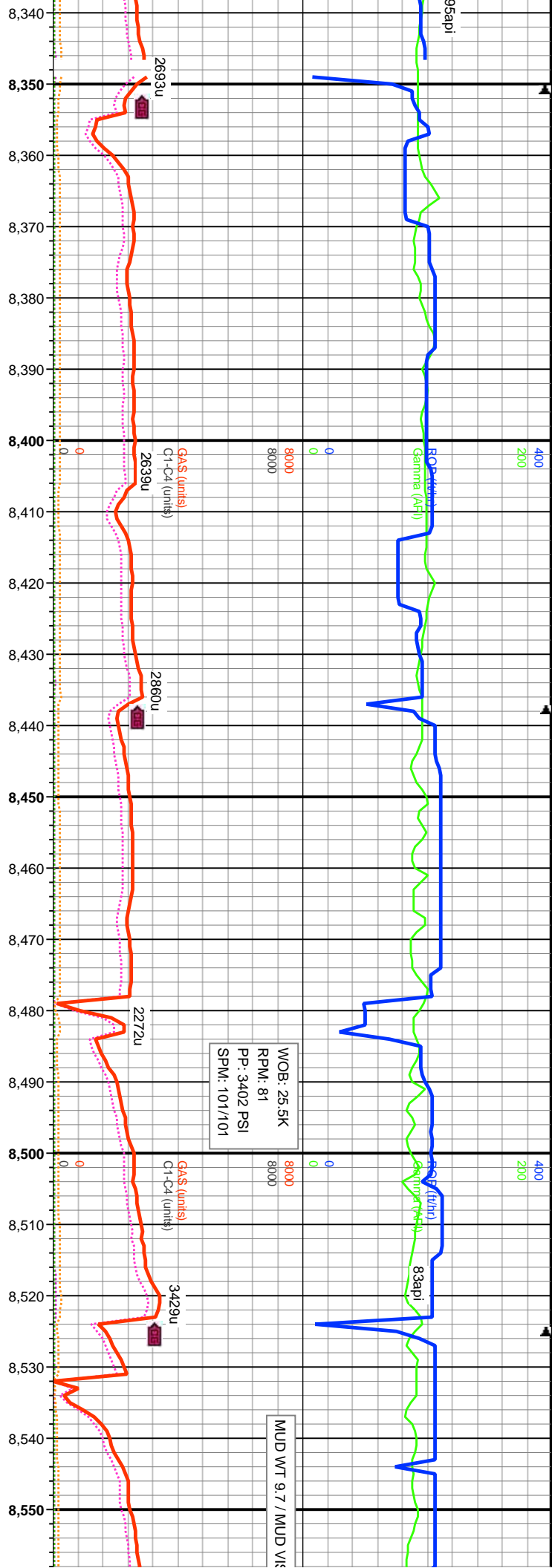




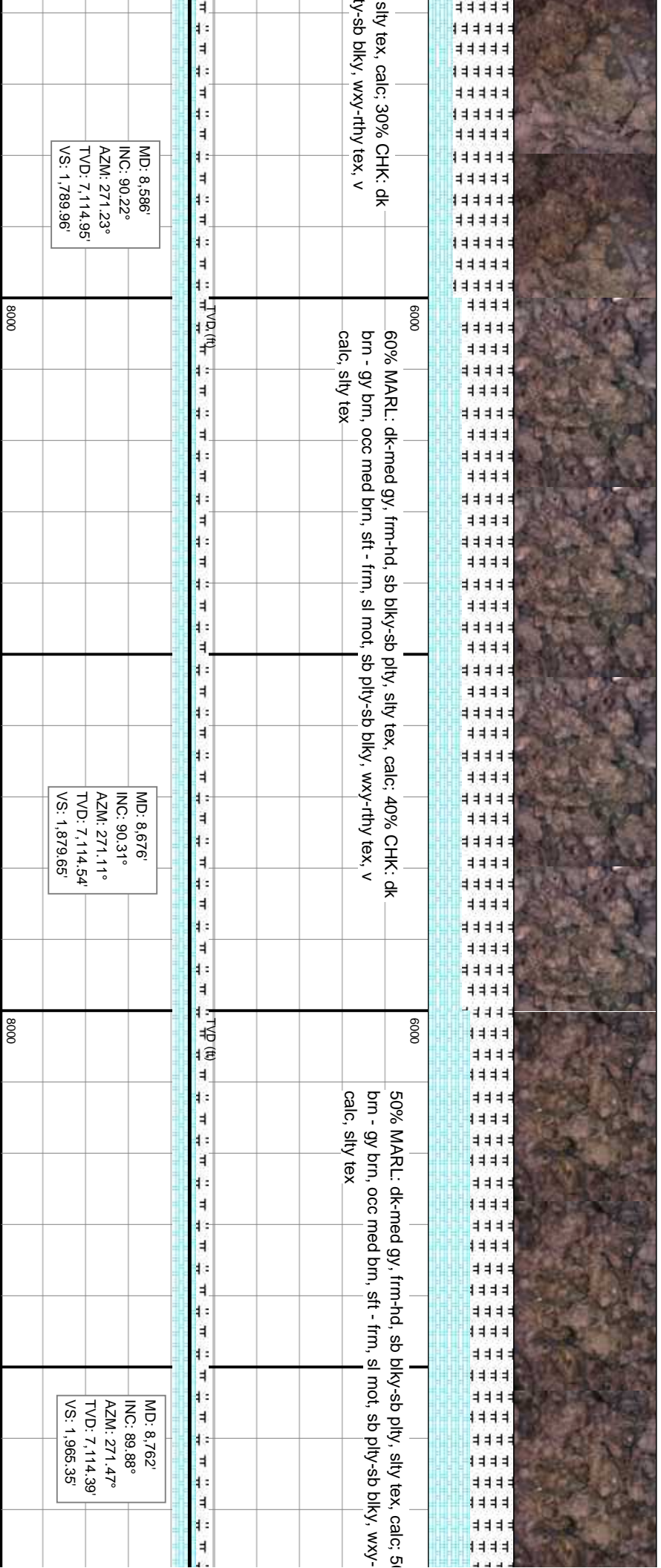
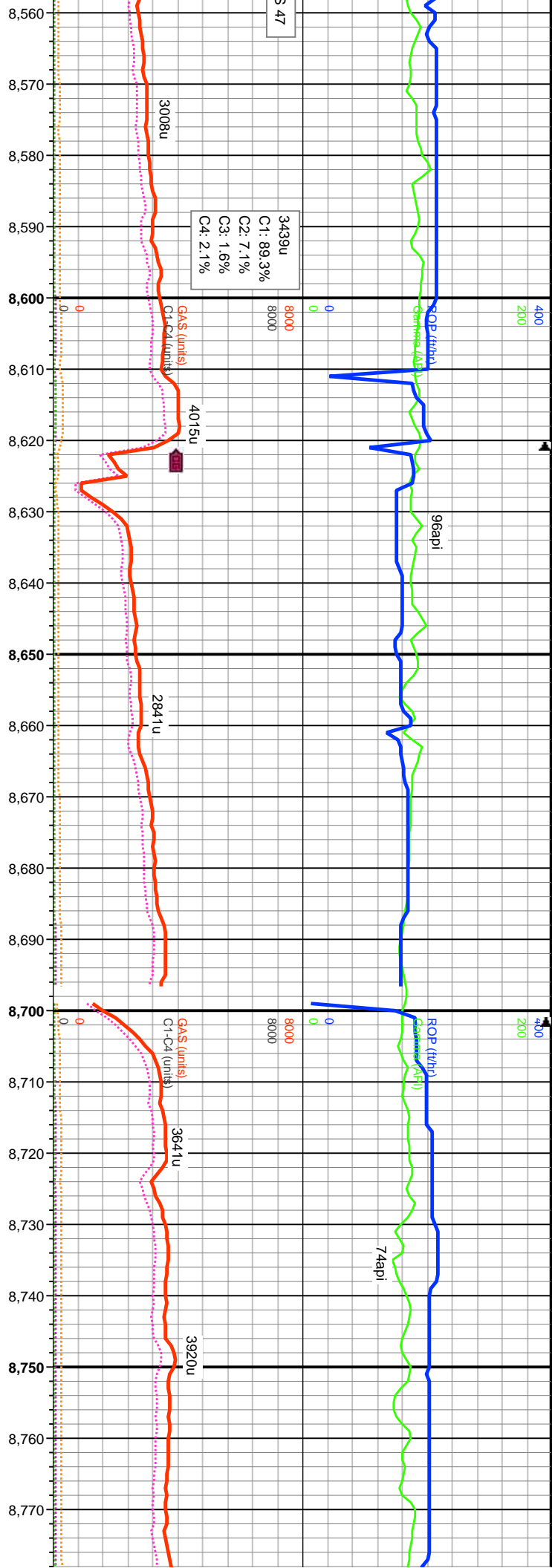


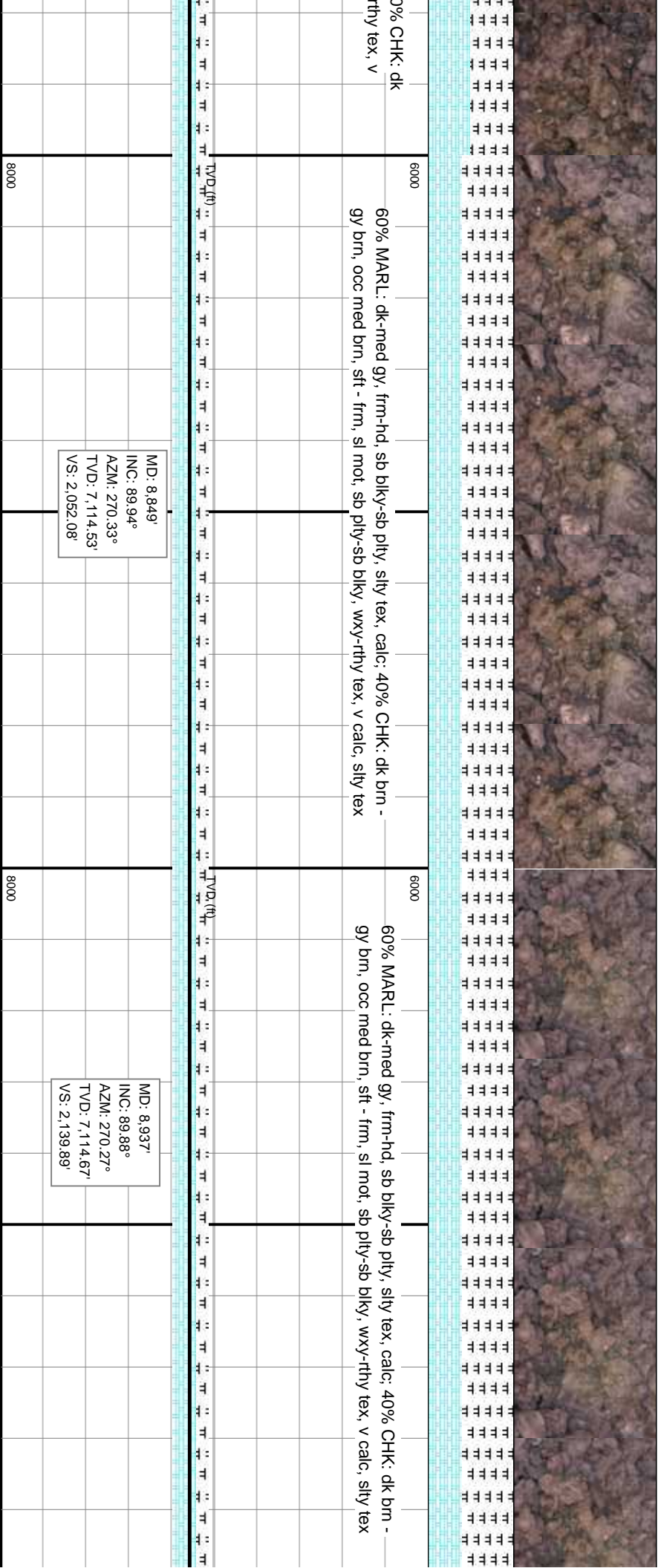
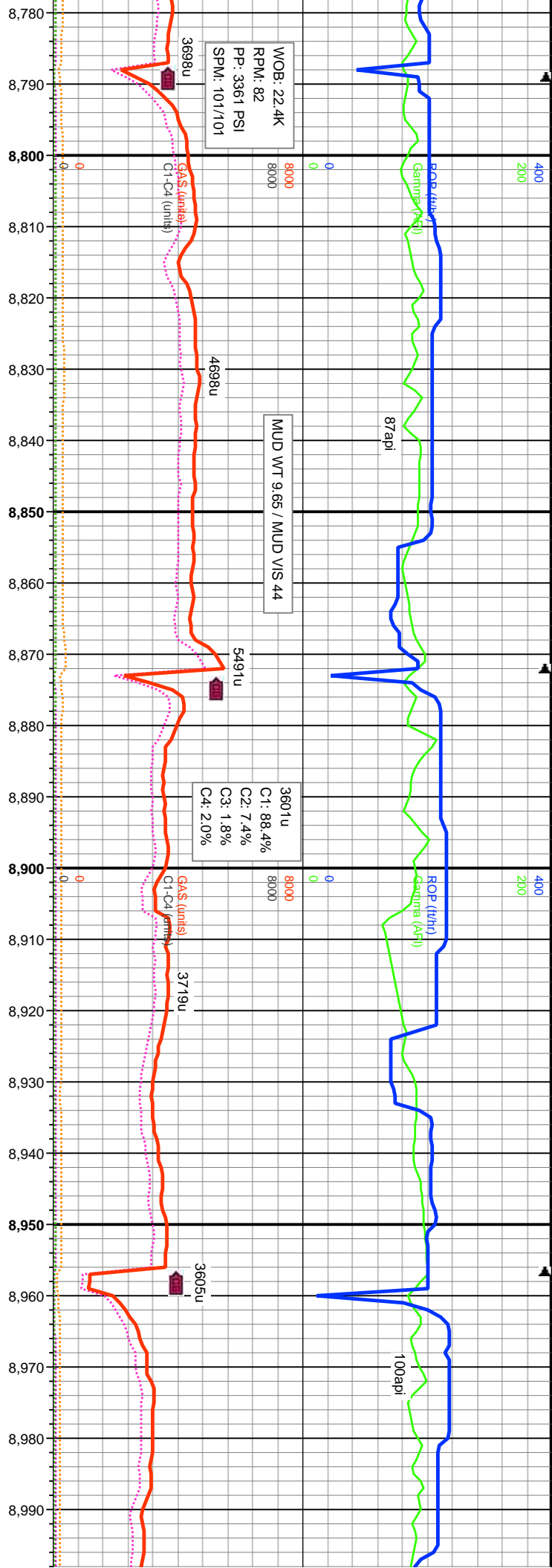




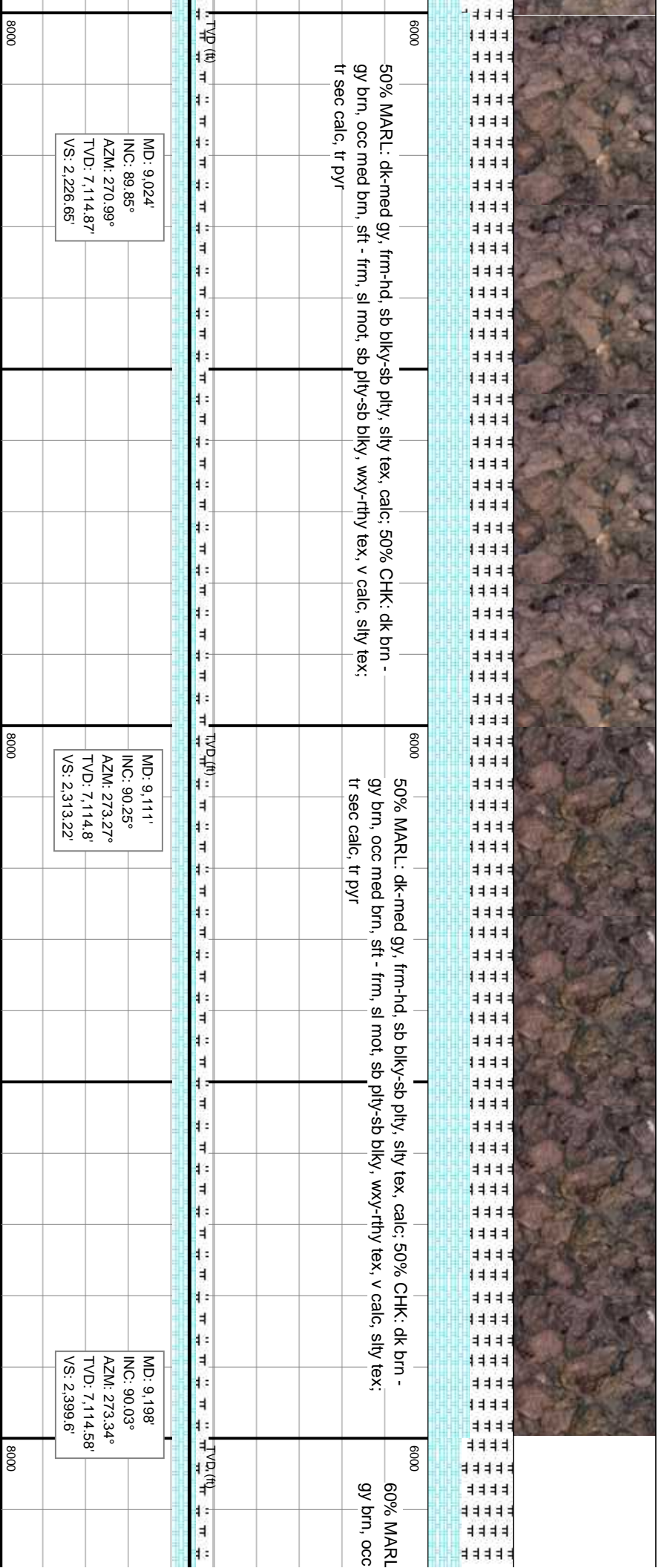
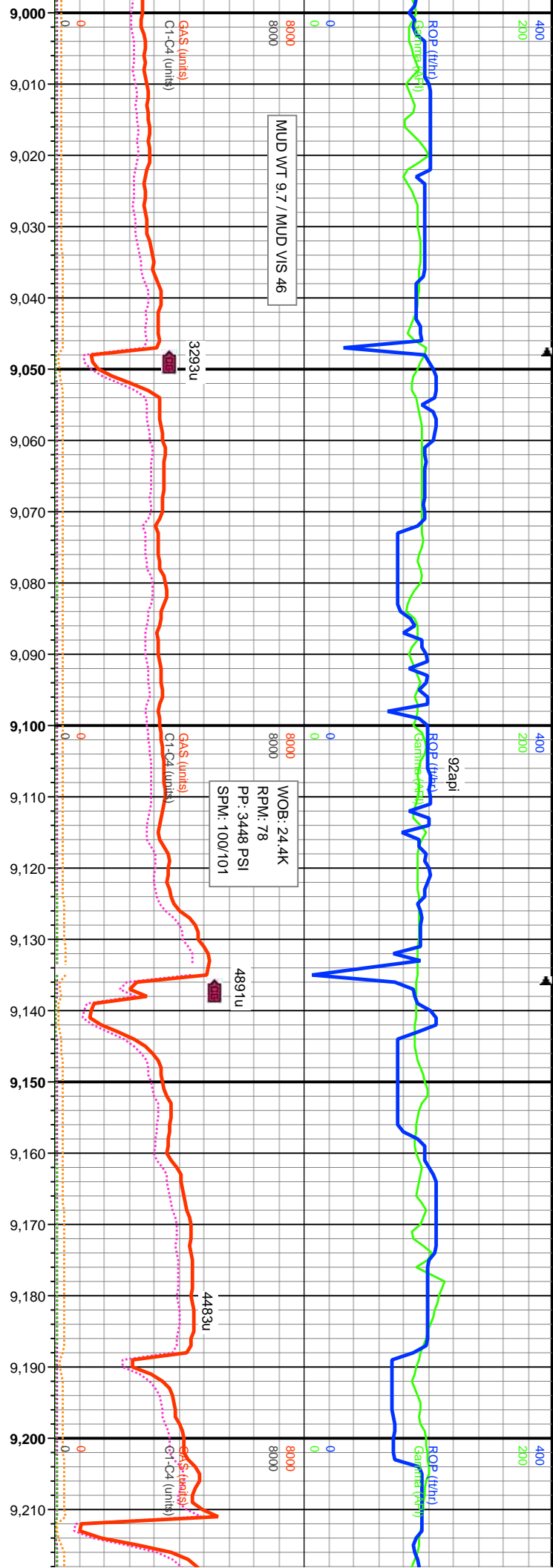






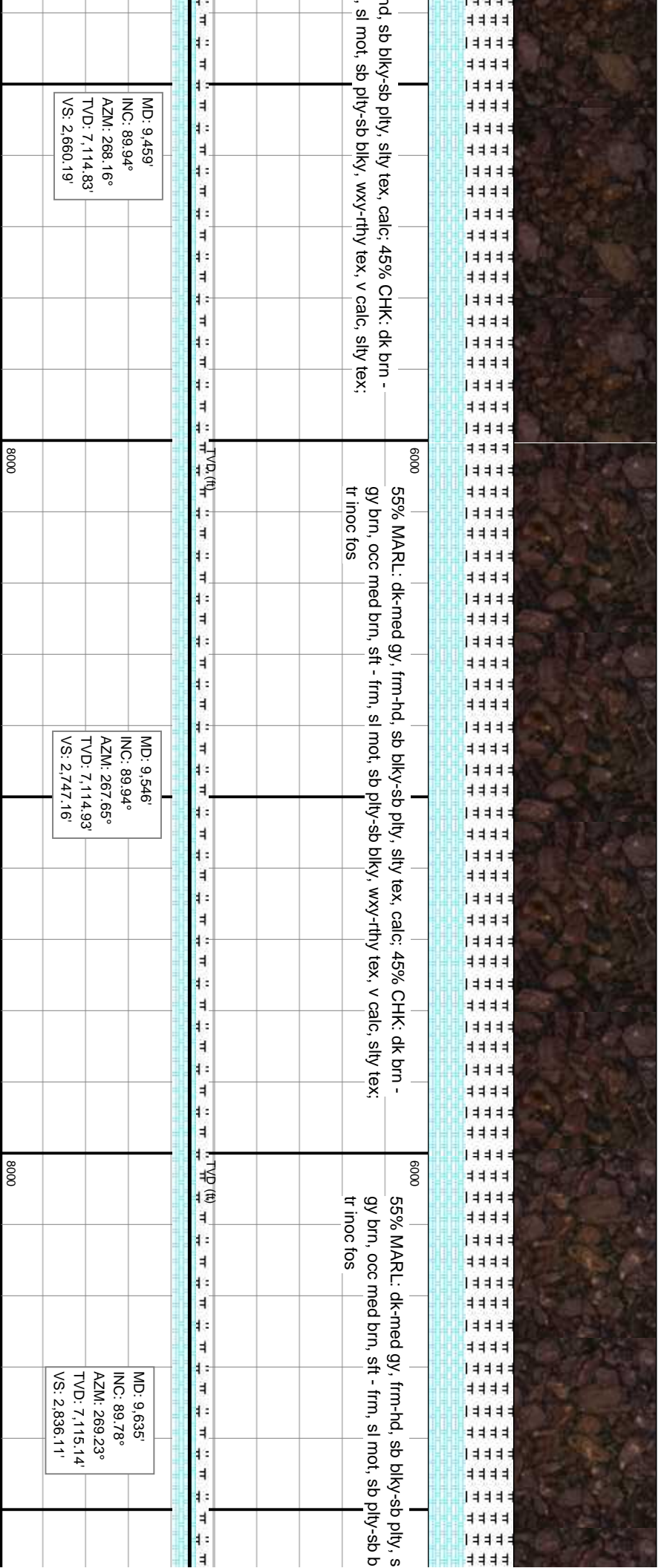
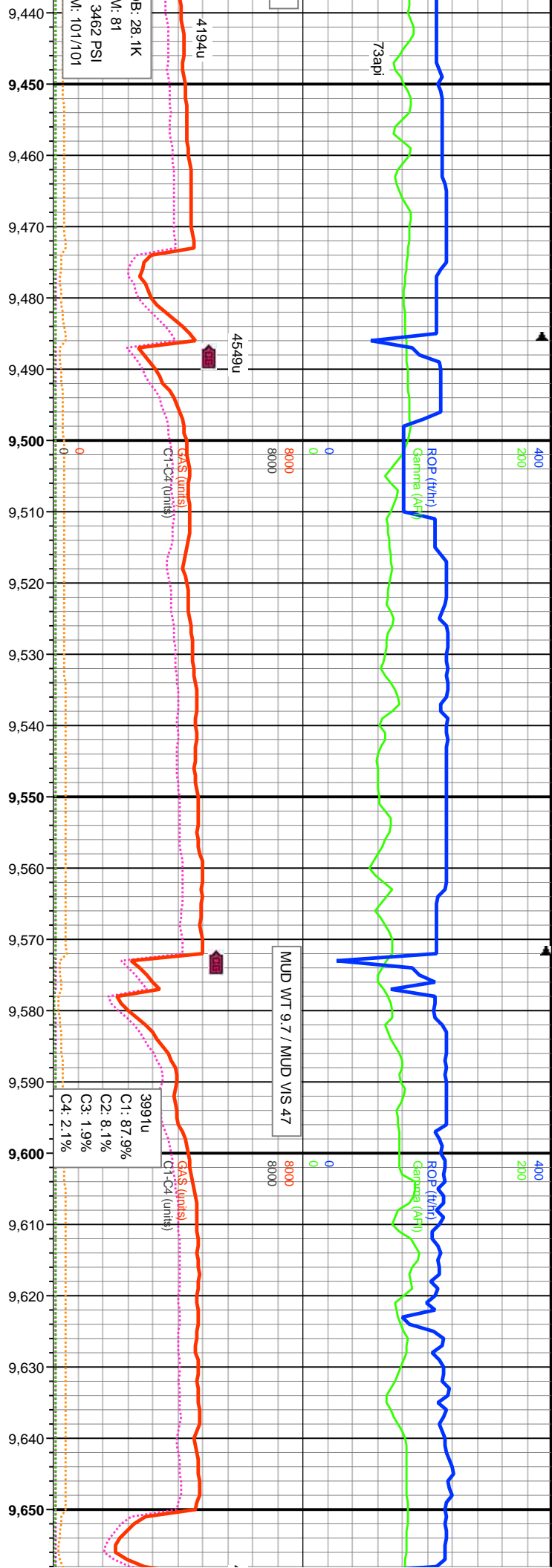


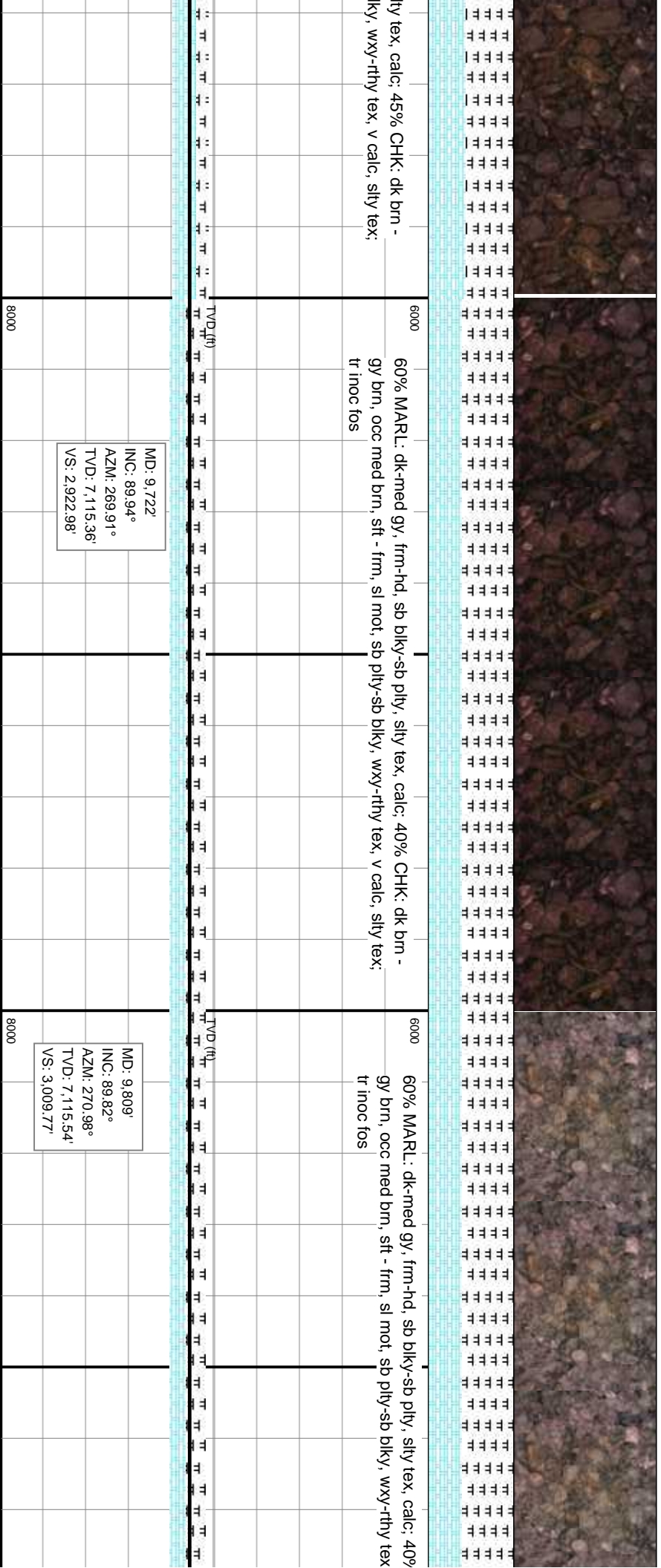
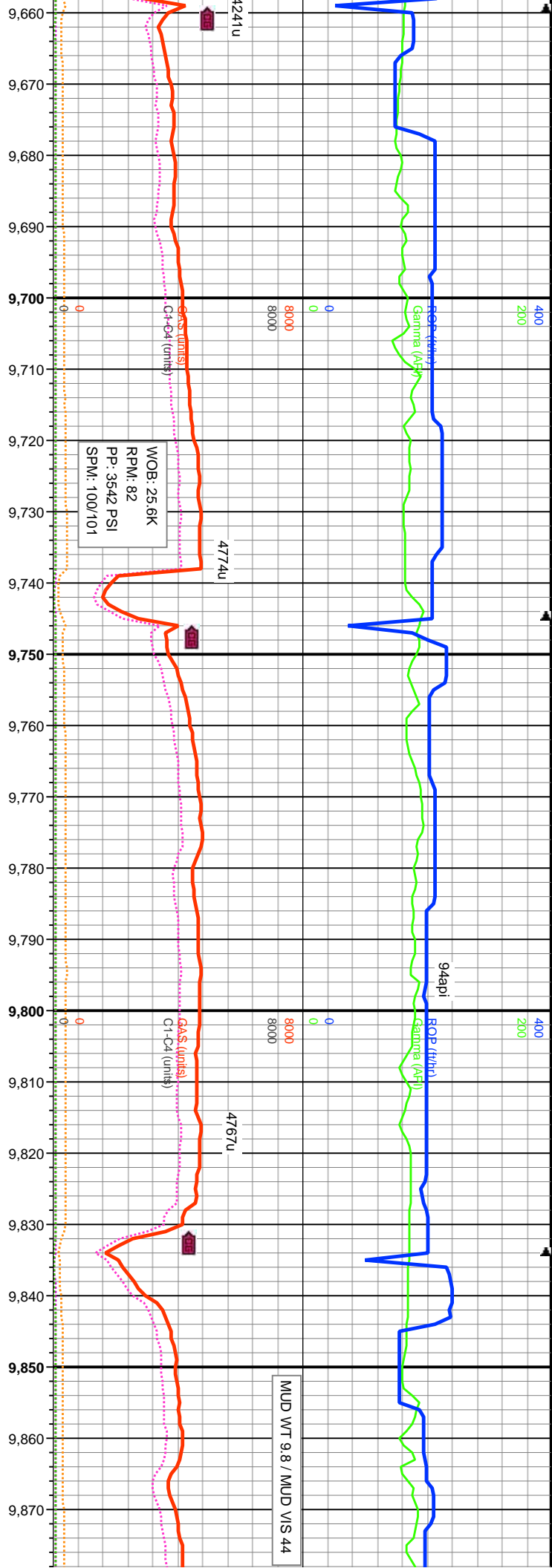




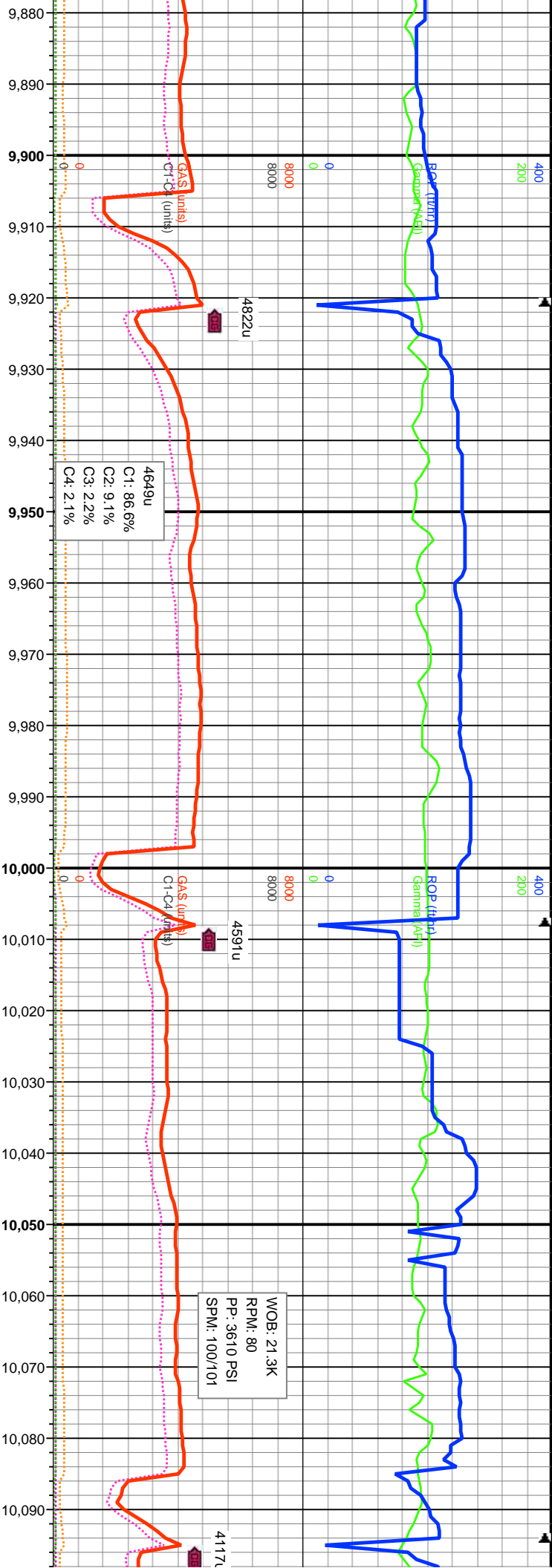










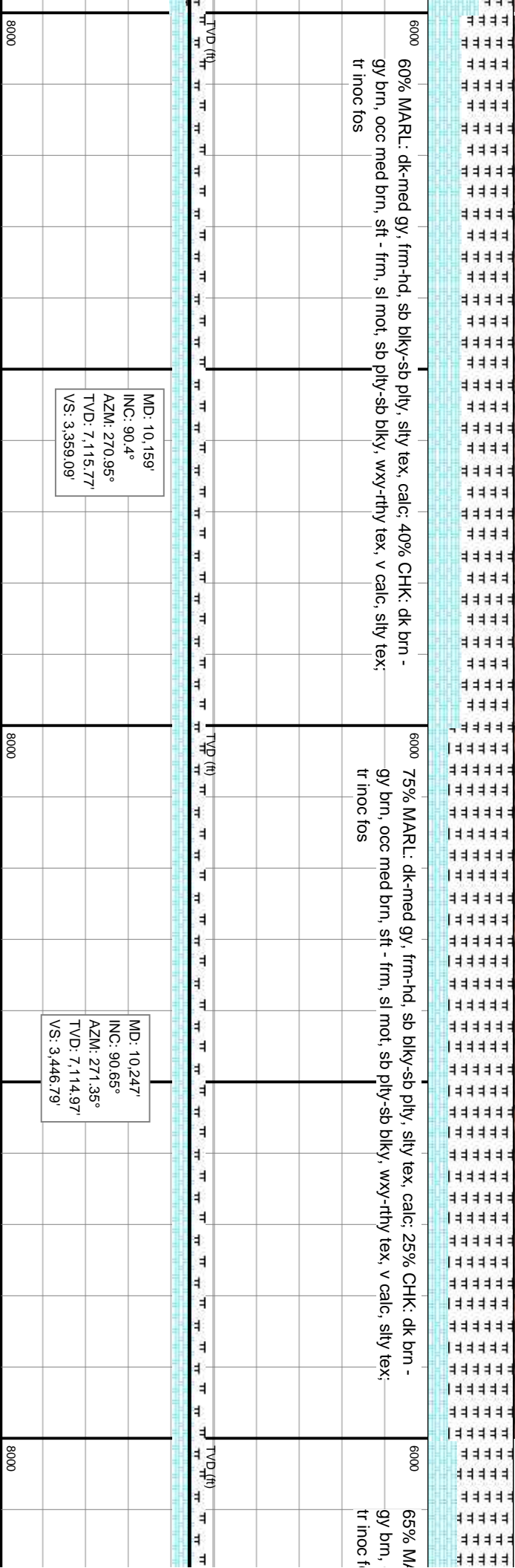
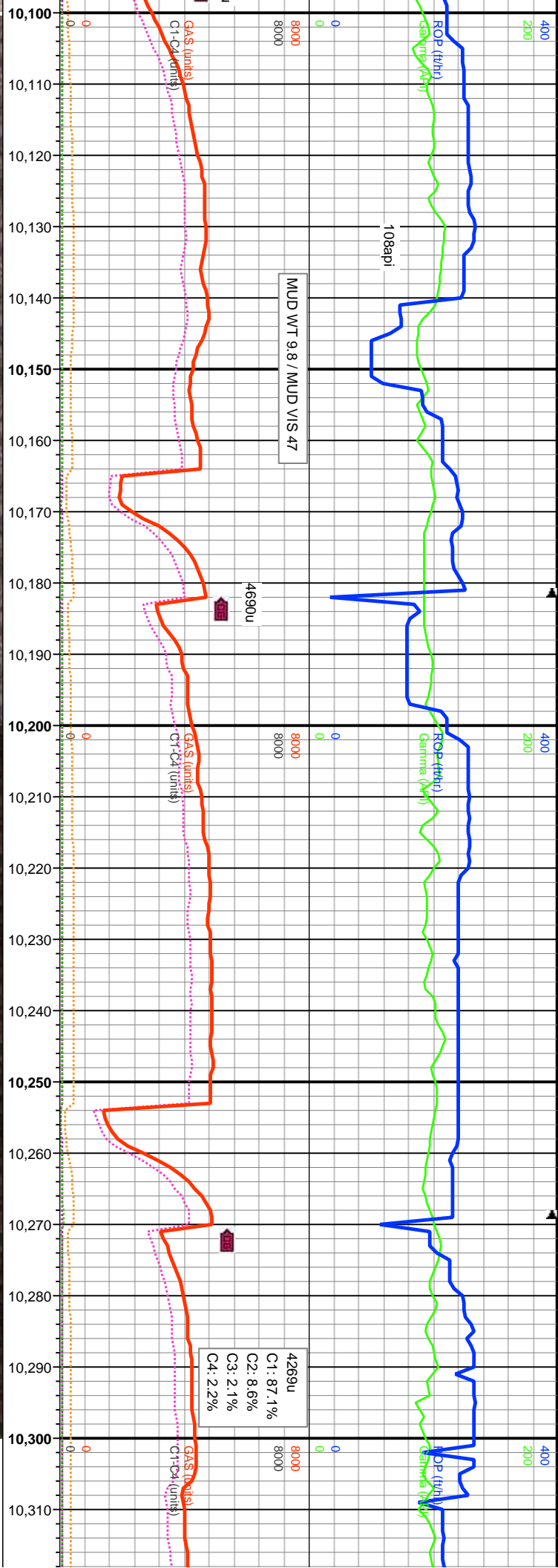


660% CHK: dk brn - gy brn, occ med brn, sft - frm, sl mot, sb pily-sb blk, wxy-rthy  
tex, v calc, silty tex; 40% MARL: dk-med gy, frm-hd, sb blk-sb pily, silty tex, calc

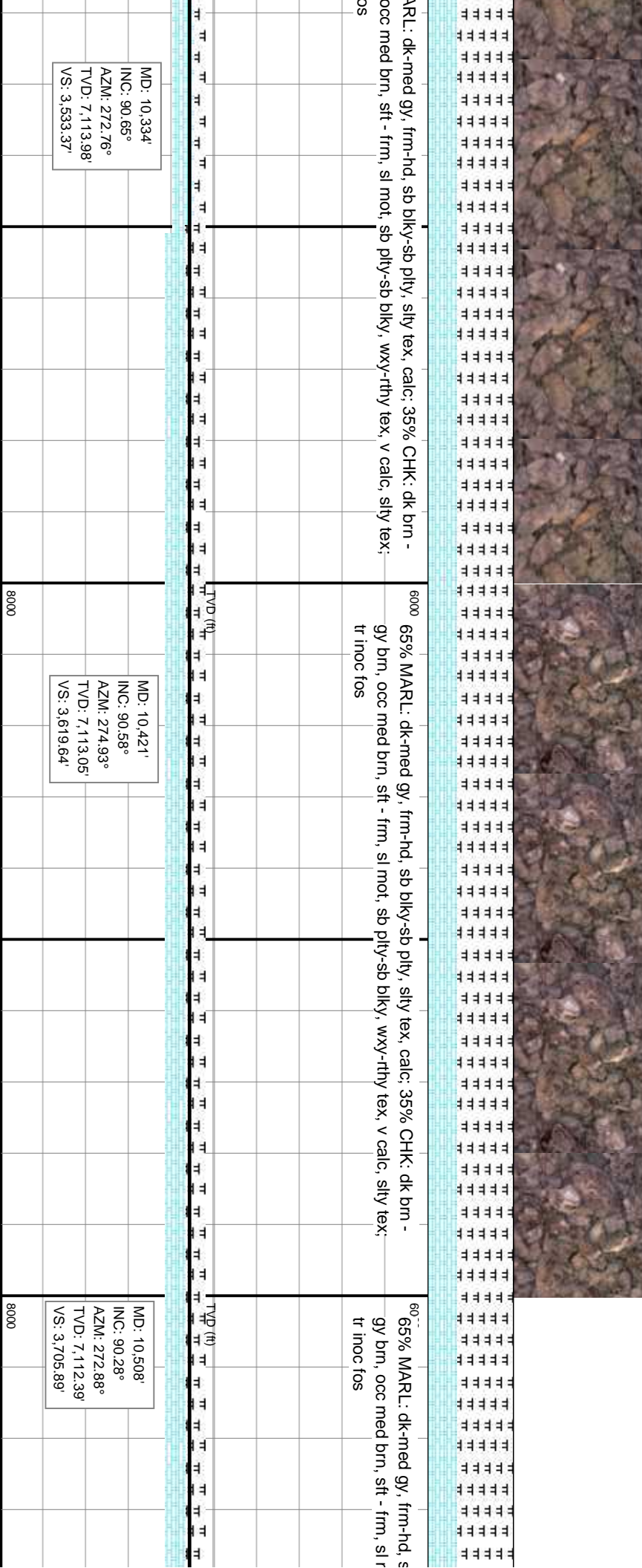
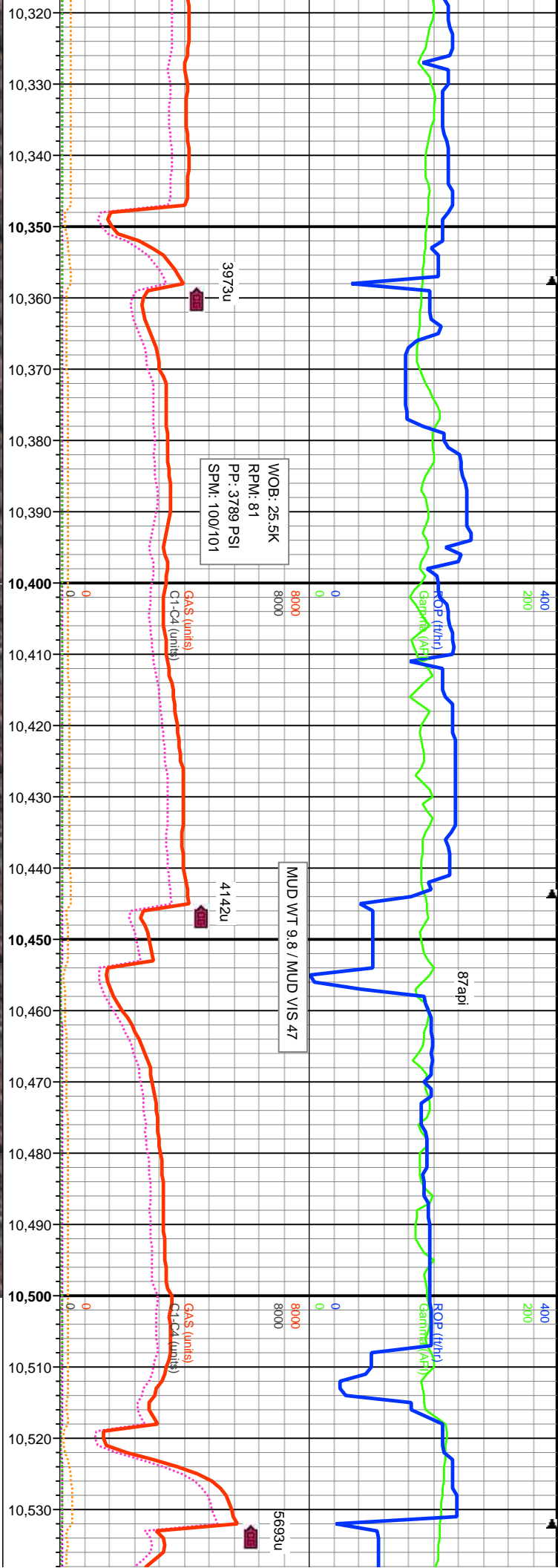
MD: 9,897'  
INC: 89.91°  
AZM: 270.33°  
TVD: 7,115.74'  
VS: 3,097.53'

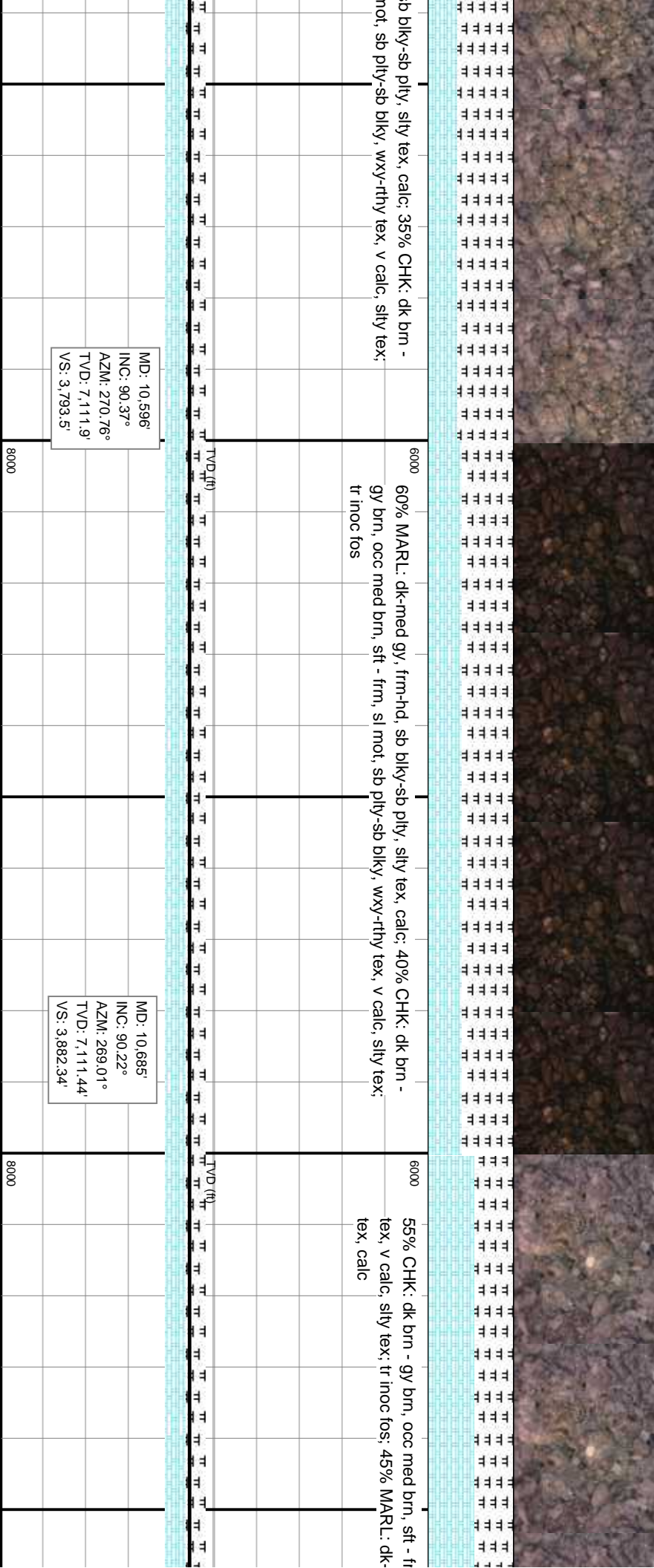
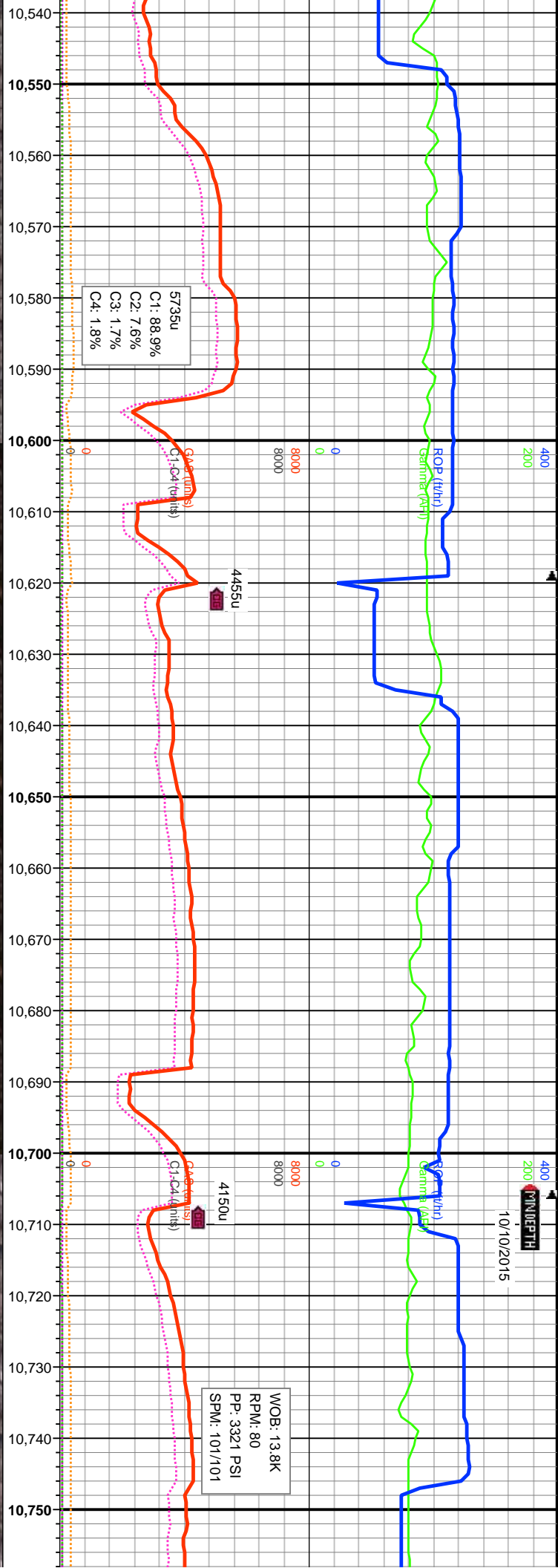
MD: 9,983'  
INC: 89.88°  
AZM: 269.53°  
TVD: 7,115.9'  
VS: 3,183.37'

MD: 10,070'  
INC: 89.94°  
AZM: 268.96°  
TVD: 7,116.04'  
VS: 3,270.26'

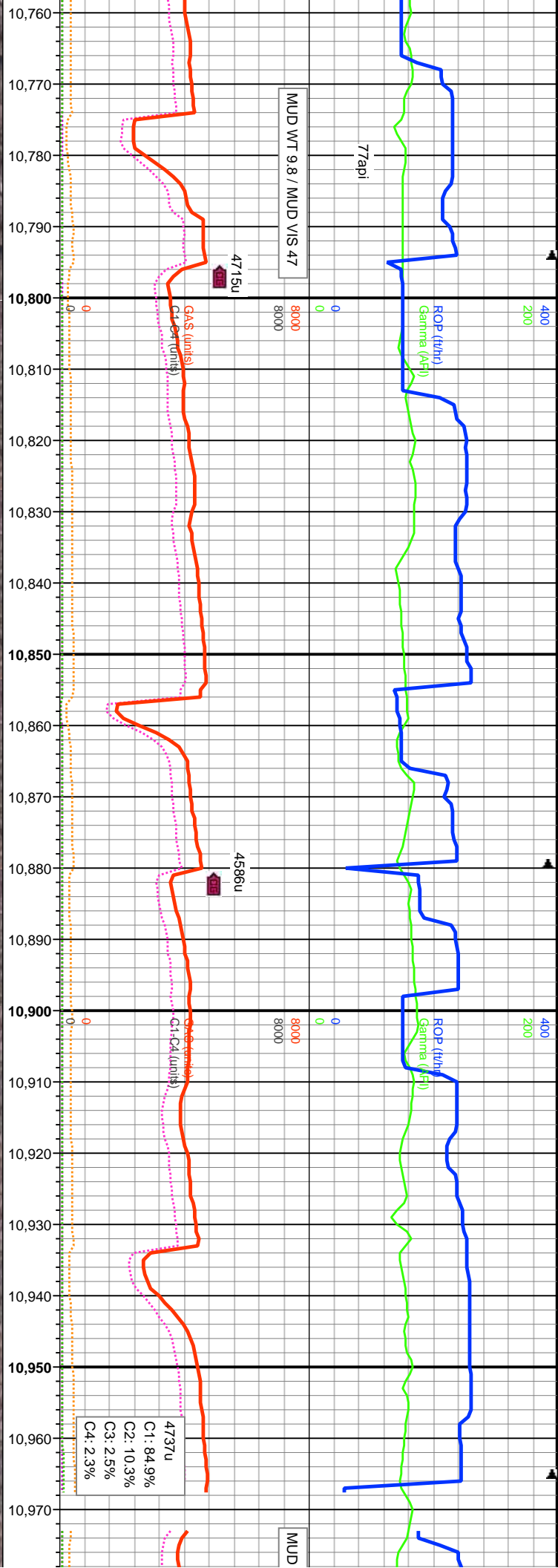




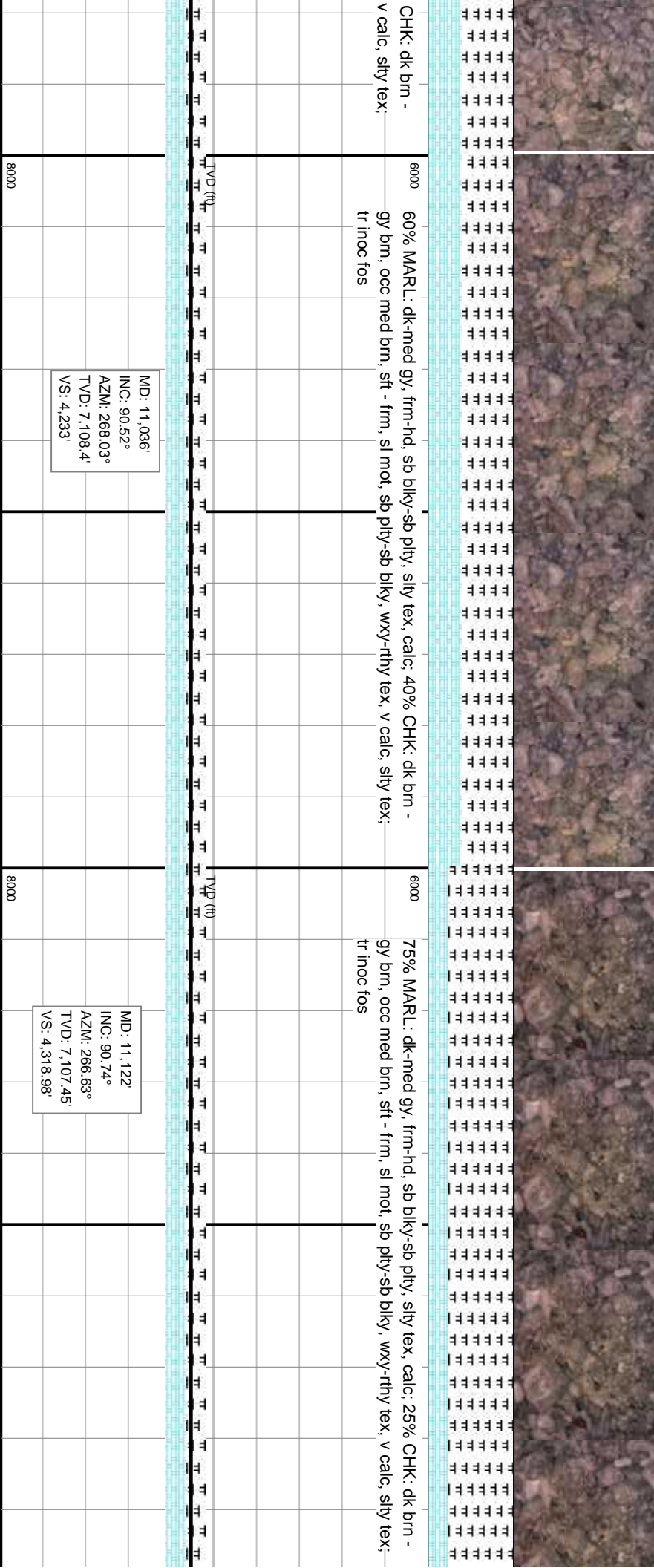
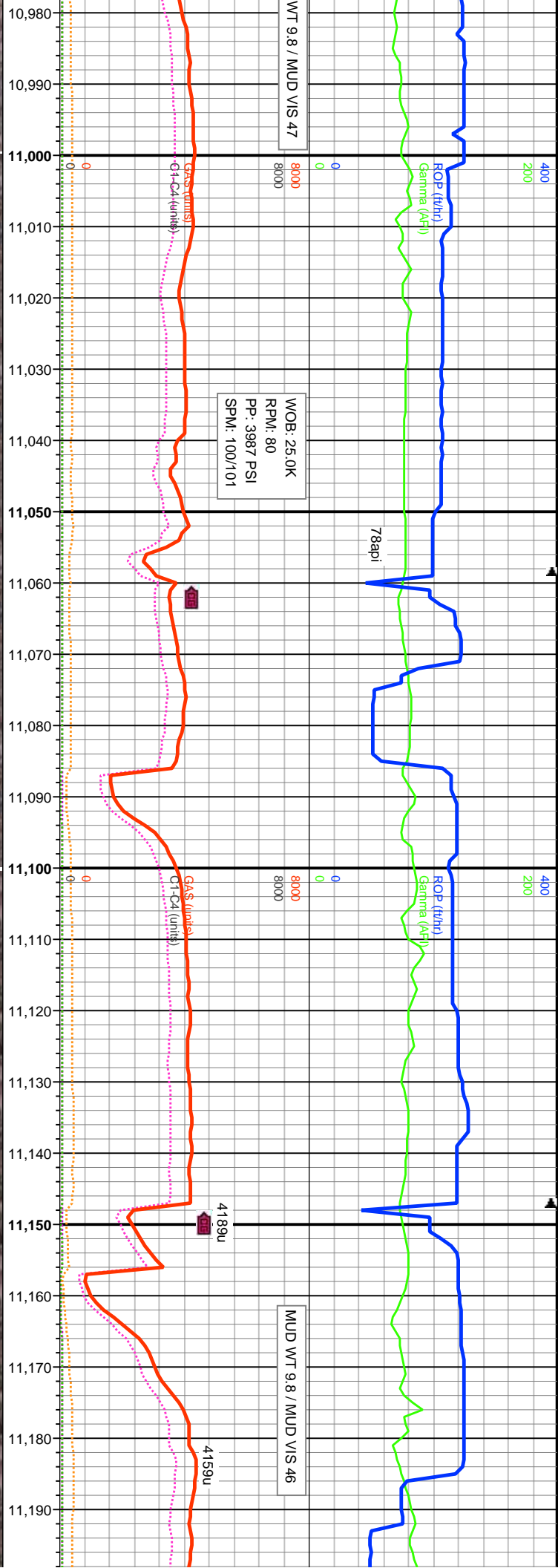




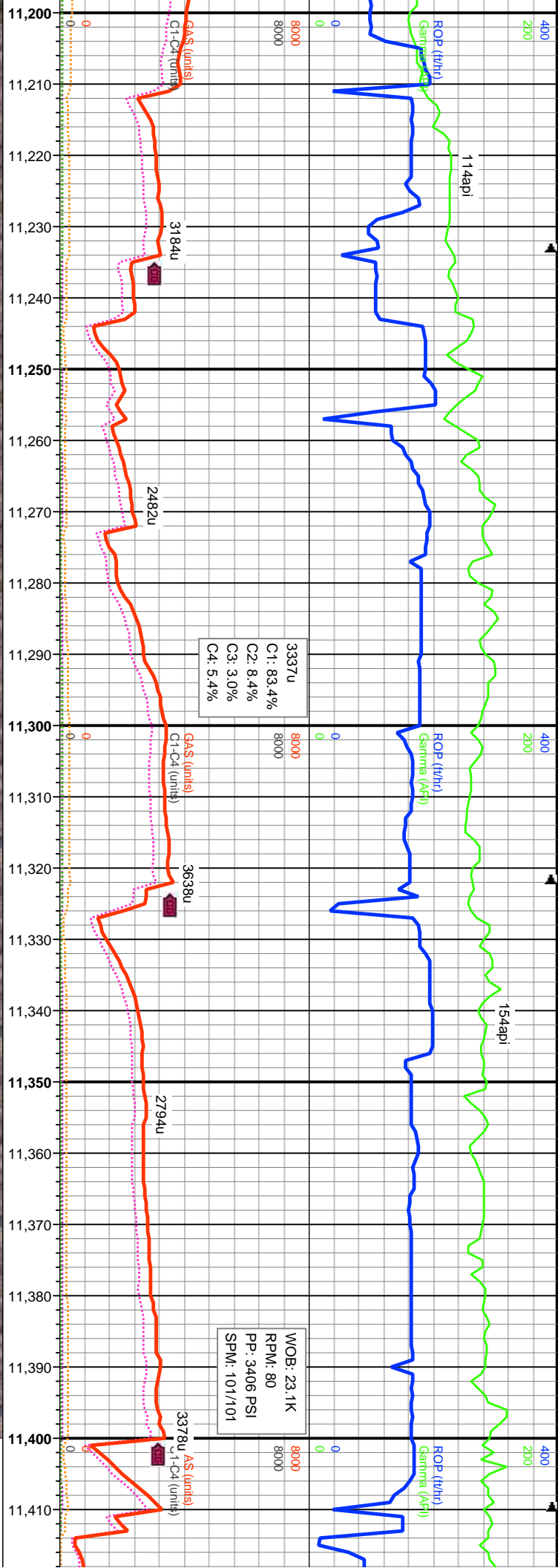




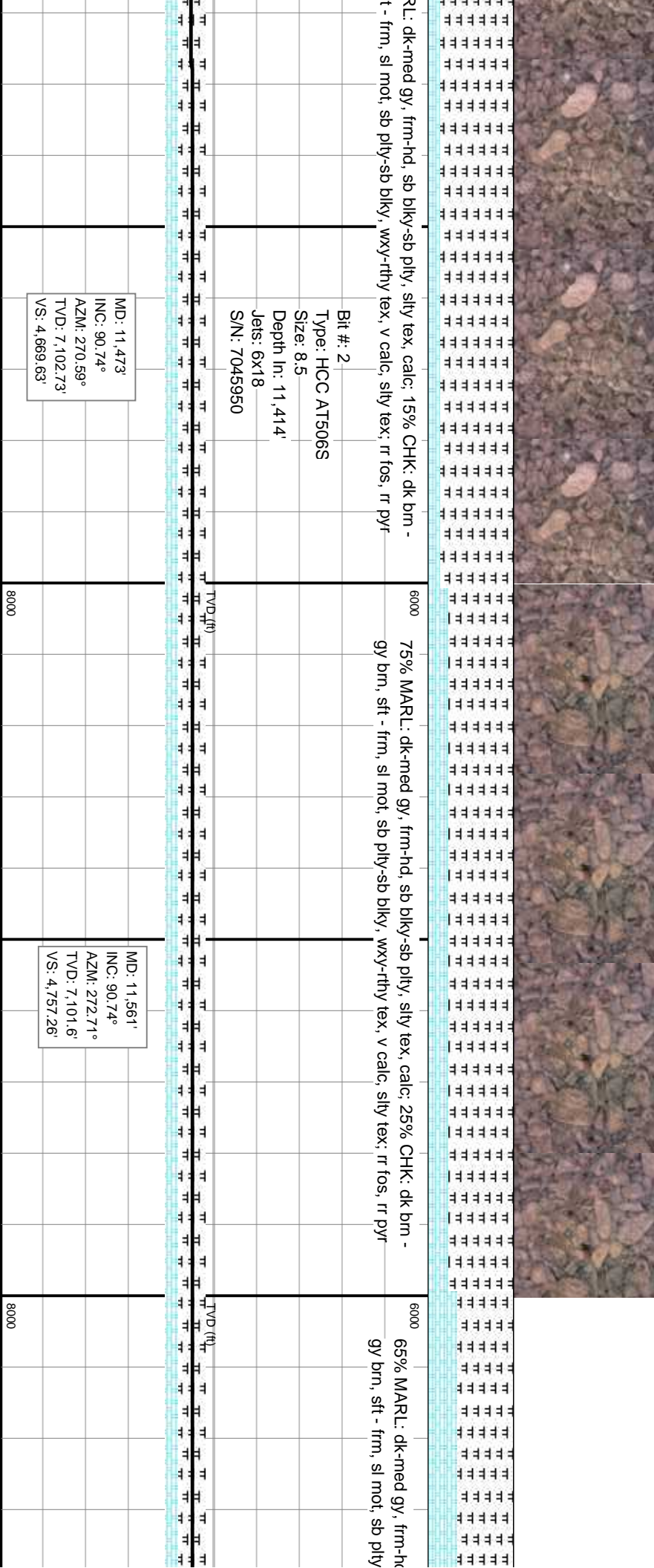
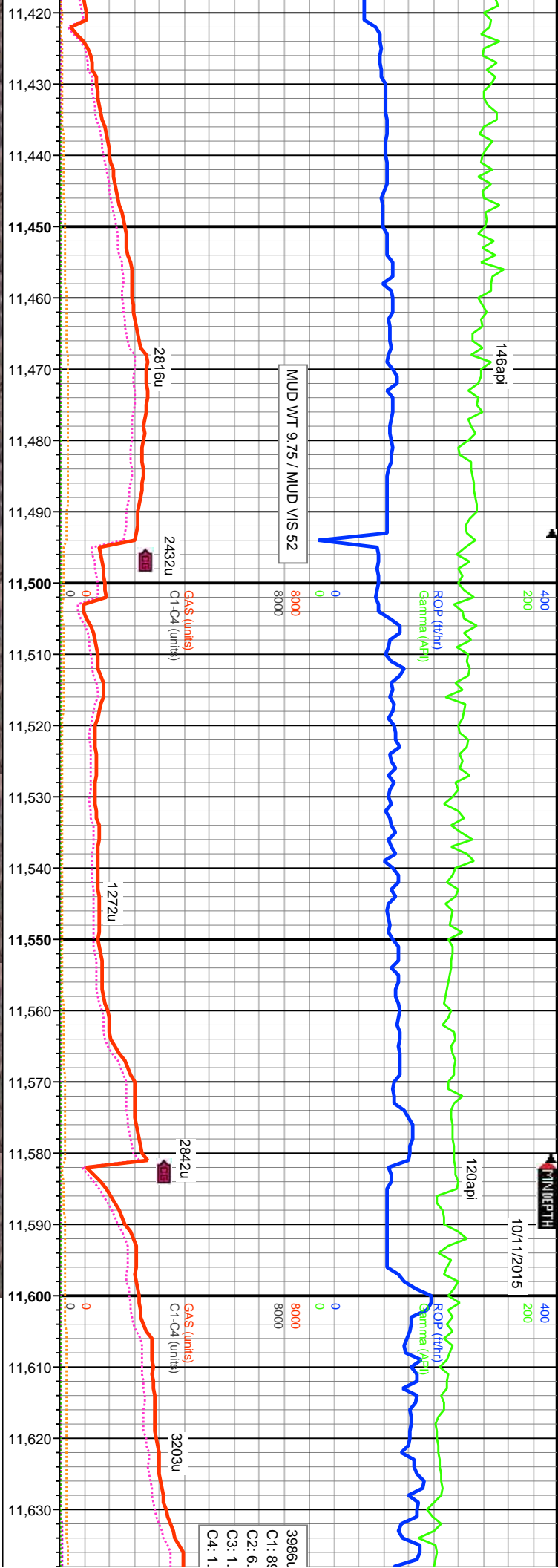
m, sl mot, sb pily-sb blkly, wxy-rthy med gy, frm-hd, sb blkly-sb pily, silty	6000	55% CHK: dk brn - gy brn, occ med brn, sft - frm, sl mot, sb pily-sb blkly, wxy-rthy tex, v calc, silty tex; tr inoc fos; 45% MARL: dk-med gy, frm-hd, sb blkly-sb pily, silty tex, calc	6000	60% MARL: dk-med gy, frm-hd, sb blkly-sb pily, silty tex, calc; 40% gy brn, occ med brn, sft - frm, sl mot, sb pily-sb blkly, wxy-rthy tex, tr inoc fos	TVD (ft)
MD: 10.772 INC: 90.4° AZM: 267.31° TVD: 7,110.97' VS: 3,969.29'					
MD: 10.859 INC: 90.59° AZM: 269.39° TVD: 7,110.21' VS: 4,056.24'					
MD: 10.949 INC: 90.62° AZM: 269.91° TVD: 7,109.26' VS: 4,146.09'					



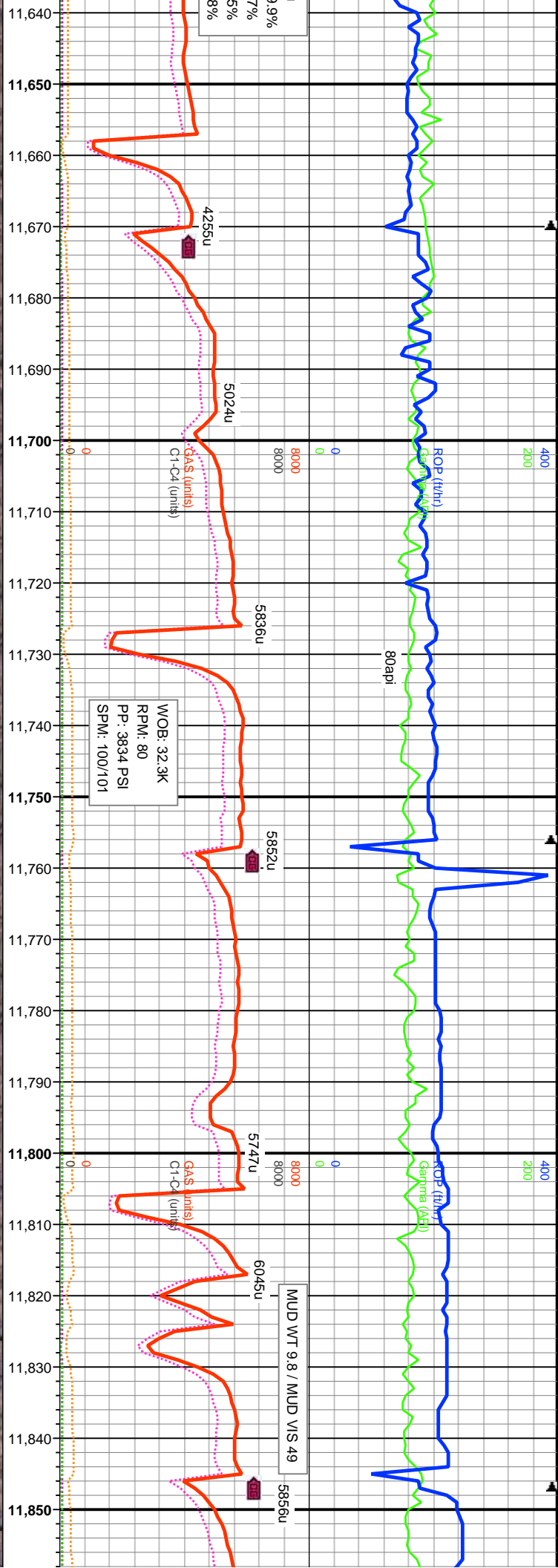




6000	70% MARL: dk-med gy, frm-hd, sb blk-y-sb pty, silty tex, calc: 30% CHK: dk brn - gy brn, occ med brn, sft - frm, sl mot, sb pty-sb blk-y, wxy-rthy tex, v calc, silty tex; tr inoc fos, tr pyr	6000	70% MARL: dk-med gy, frm-hd, sb blk-y-sb pty, silty tex, calc: 30% CHK: dk brn - gy brn, occ med brn, sft - frm, sl mot, sb pty-sb blk-y, wxy-rthy tex, v calc, silty tex; tr inoc fos, tr pyr	6000	85% MARL: dk-med gy, frm-hd, sb blk-y-sb pty, silty tex, calc: 30% CHK: dk brn - gy brn, occ med brn, sft - frm, sl mot, sb pty-sb blk-y, wxy-rthy tex, v calc, silty tex; tr inoc fos, tr pyr
MD: 11,209' INC: 90.77° AZM: 268.45° TVD: 7,106.31' VS: 4,405.95'		MD: 11,298' INC: 90.8° AZM: 269.92° TVD: 7,105.09' VS: 4,494.84'		MD: 11,386' INC: 90.77° AZM: 267.83° TVD: 7,103.88' VS: 4,582.75'	







sb blkly-sb pily, silty tex, calc: 35% CHK: dk brn -  
sb blkly, wxy-rthy tex, v calc, silty tex: rr fos, rr pyr

6000 70% MARL: dk-med gy, frm-hd, sb blkly-sb pily, silty tex, calc: 30% CHK: dk brn -  
gy brn, sft - frm, sl mot, sb pily-sb blkly, wxy-rthy tex, v calc, silty tex

6000 70% MARL: dk-med gy, frm-hd, sb blkly-sb pily,  
gy brn, sft - frm, sl mot, sb pily-sb blkly, wxy-rthy

MD: 11,648'  
INC: 90.62°  
AZM: 269.86°  
TVD: 7,100.57'  
VS: 4,843.93'

MD: 11,734'  
INC: 90.68°  
AZM: 269.93°  
TVD: 7,099.59'  
VS: 4,929.77'

MD: 11,823'  
INC: 90.74°  
AZM: 270.55°  
TVD: 7,098.49'  
VS: 5,018.57'

