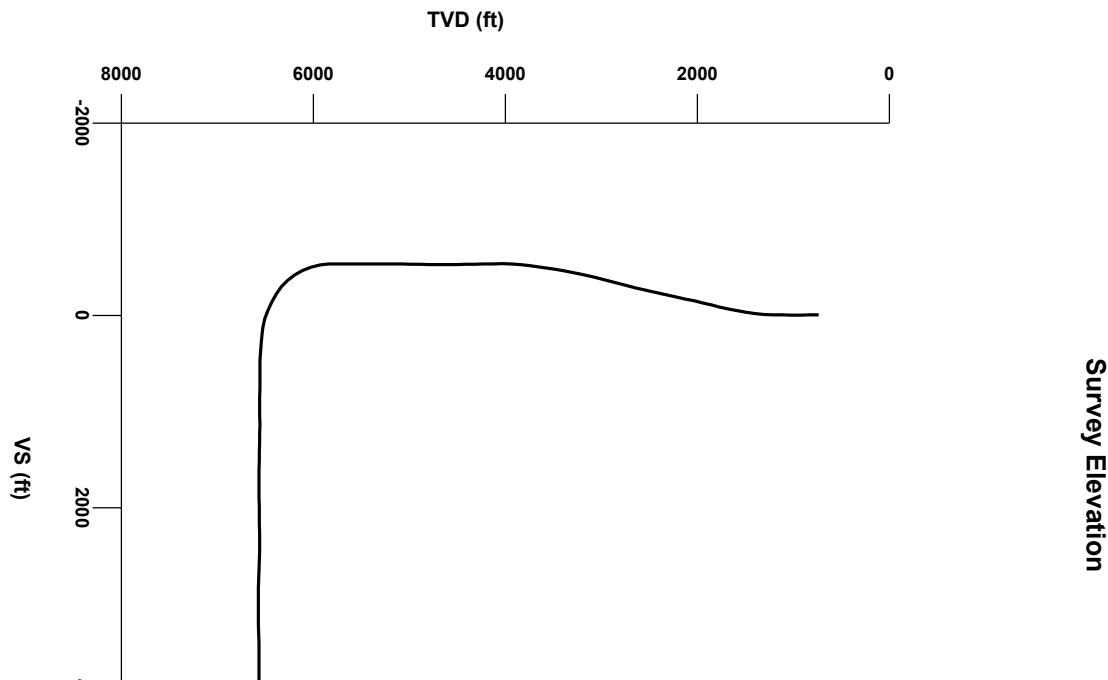
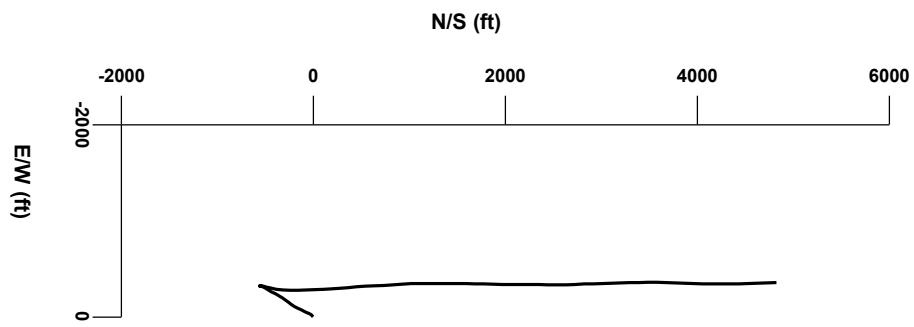


LOG created using LPLOT VH Version 3.0, April 24, 2013, Copyright (C) 1999-2009 Pason Systems Corp.

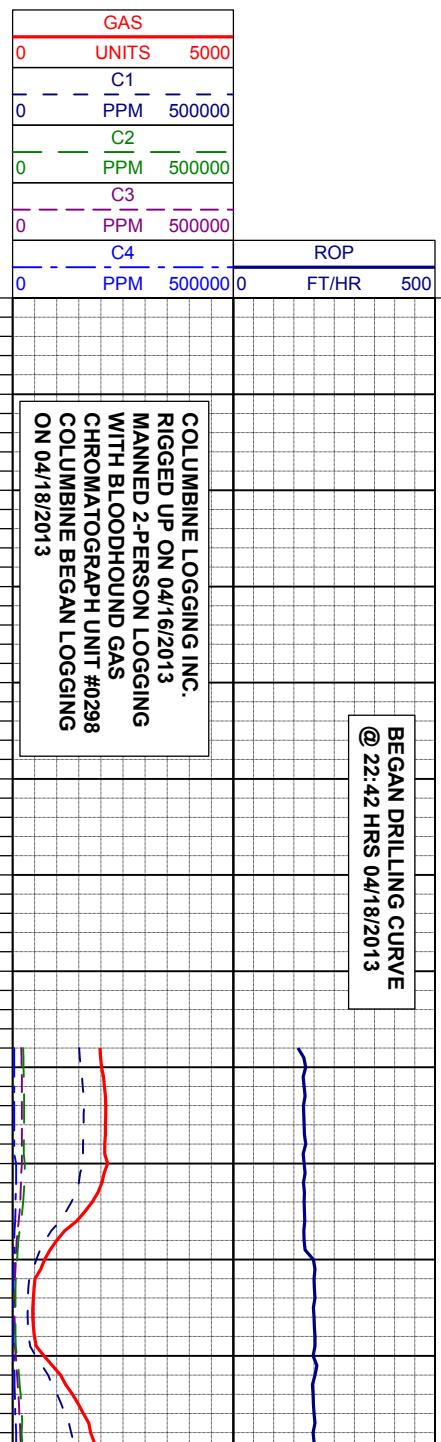
**OPERATOR:** NOBLE ENERGY INC.  
**WELL:** SLW RANCH B12-79HN  
**LOCATION:** SESE SEC 12, T5N, R64W  
**COUNTY:** WELD  
**STATE:** COLORADO  
**SPOT:** 603' FSL, 246' FWL  
**ELEVATION:** GR 4,595', KB 4,625'  
**FIELD:** WATTENBERG  
**SPUD DATE:** 04/15/2013  
**TD DATE:** 04/22/2013  
**DATES LOGGED:** 04/18/2013 - 04/22/2013  
**DEPTHS LOGGED:** 5816' MD - 11733' MD  
**LOGGERS:** JOHN READY, SHANA SWIRIN  
**DRILLING FLUID:** LSND  
**DRILLING RIG:** H&P 326  
**API:** 05-123-36505  
**LOG TYPE:** HORIZONTAL  
**SCALE:** 1:240 (5 inches per 100 feet)  
**REMARKS:** WELLSIRE GEOLOGICAL SERVICES  
PROVIDED BY COLUMBINE LOGGING INC.



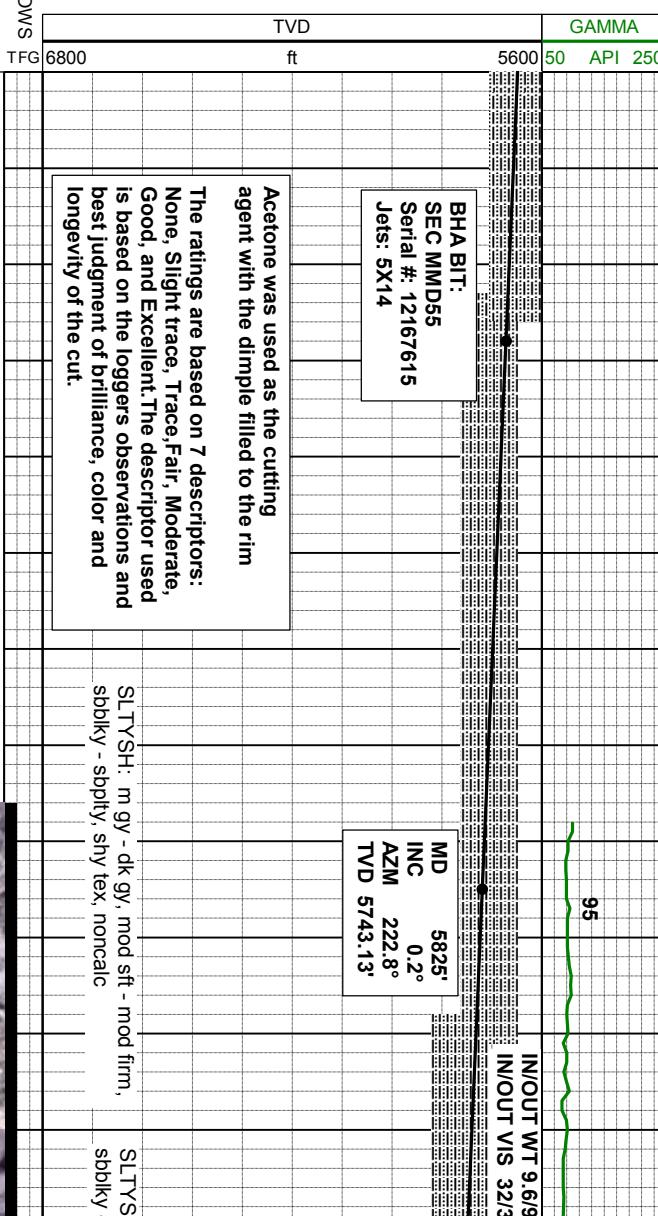
## Survey Plan



BEGAN DRILLING CURVE  
@ 22:42 HRS 04/18/2013



CUTTINGS  
LITHOLOGY



SAMPLE PHOTOS



OIL SHOWS

04/19/2013

2994U  
C1: 73.9%  
C2: 14.0%  
C3: 8.8%  
C4: 3.3%

U

219

2211u

2476u

195

274

U

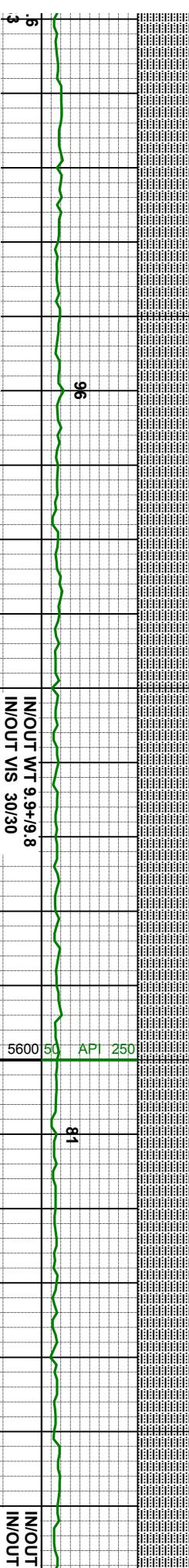
UNITS  
PPM

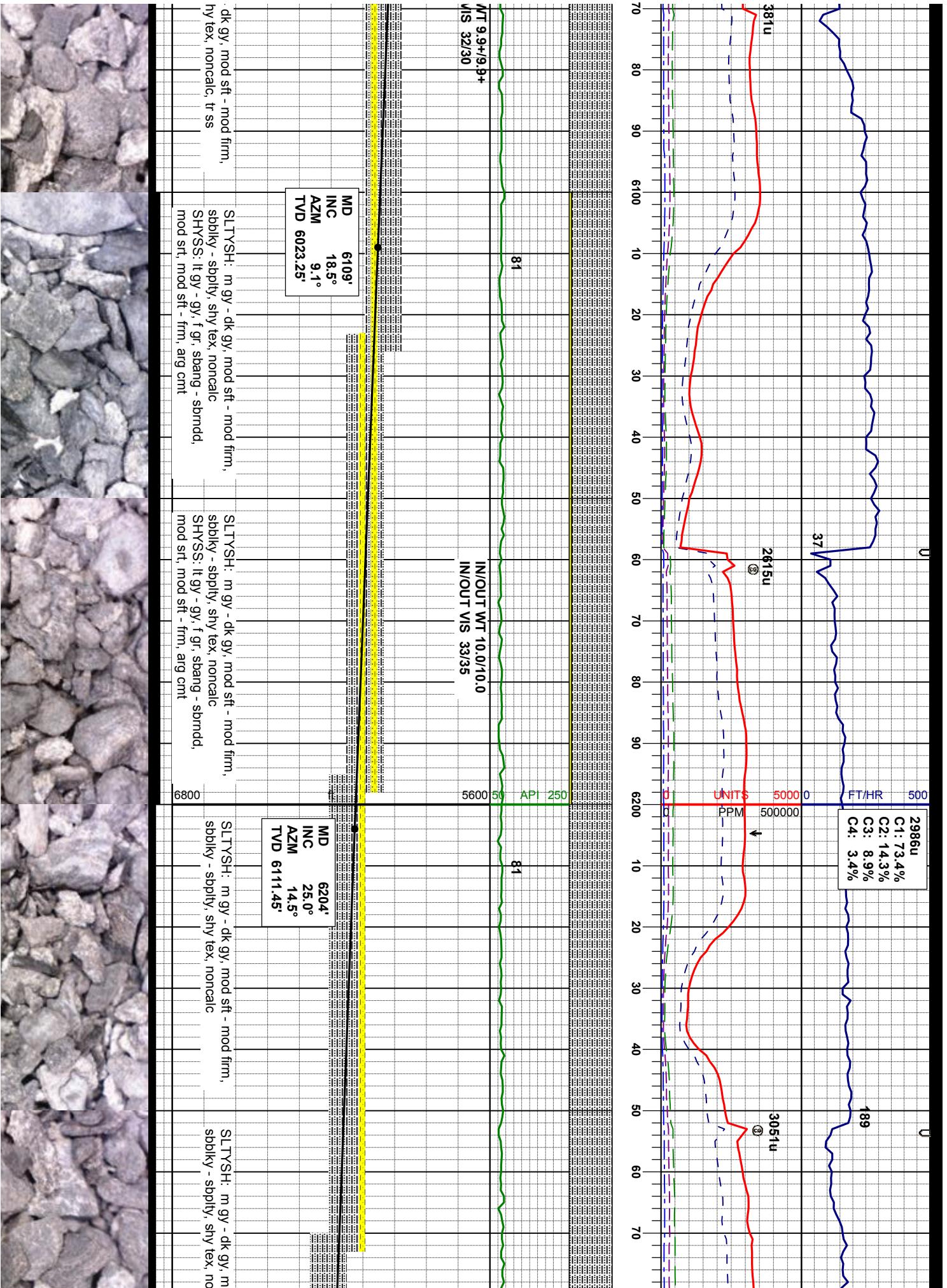
5000 0

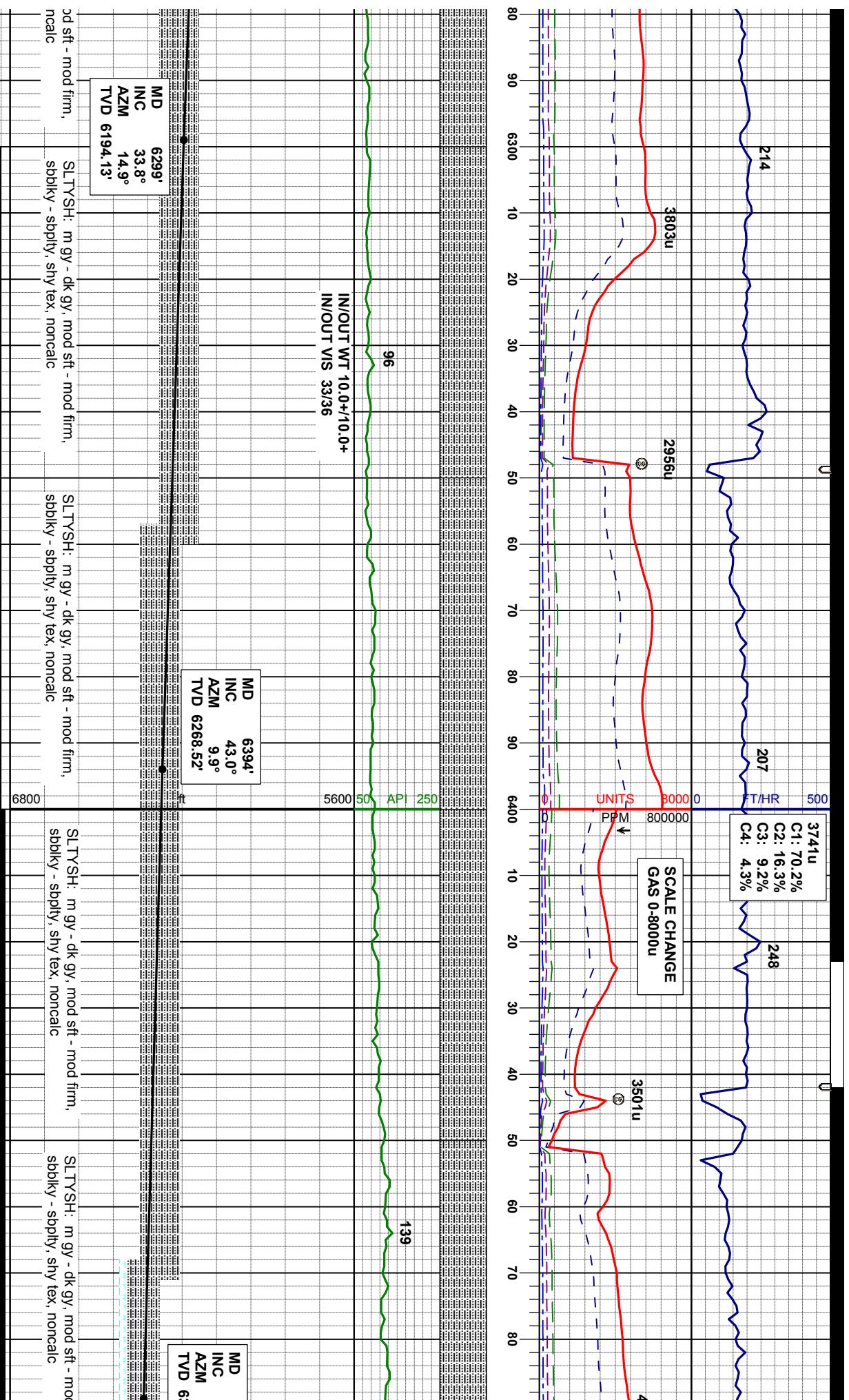
FT/HR

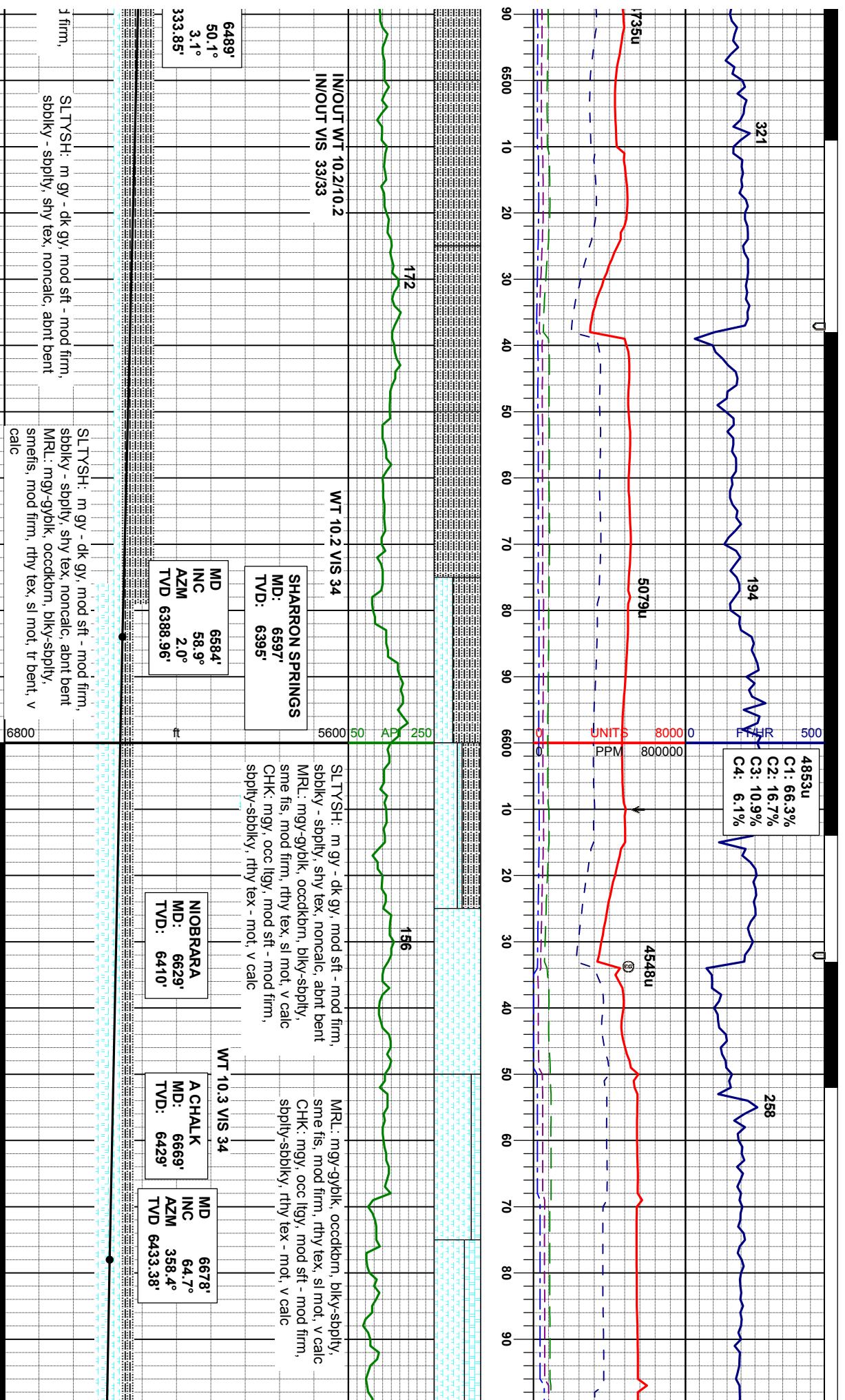
500

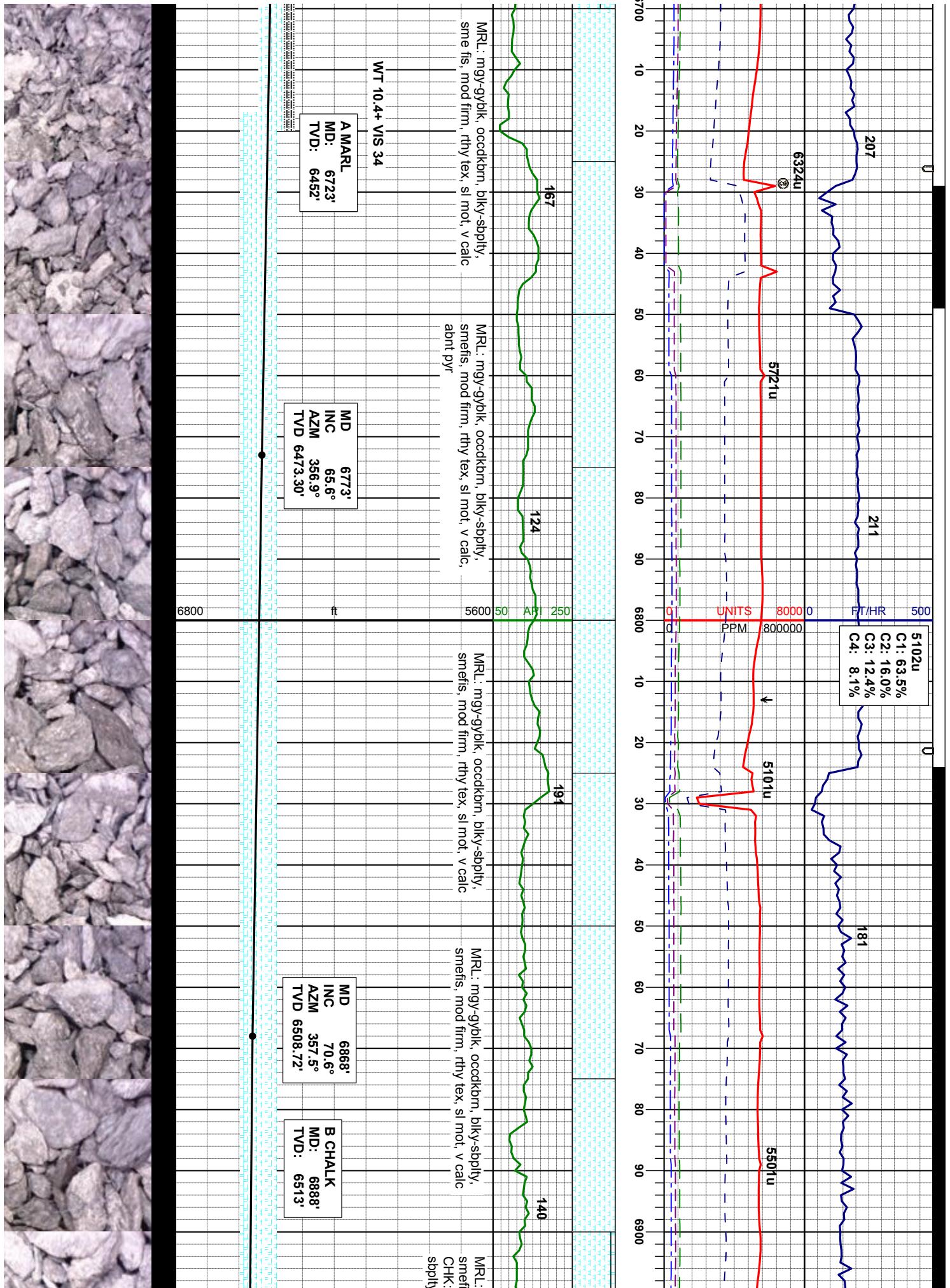
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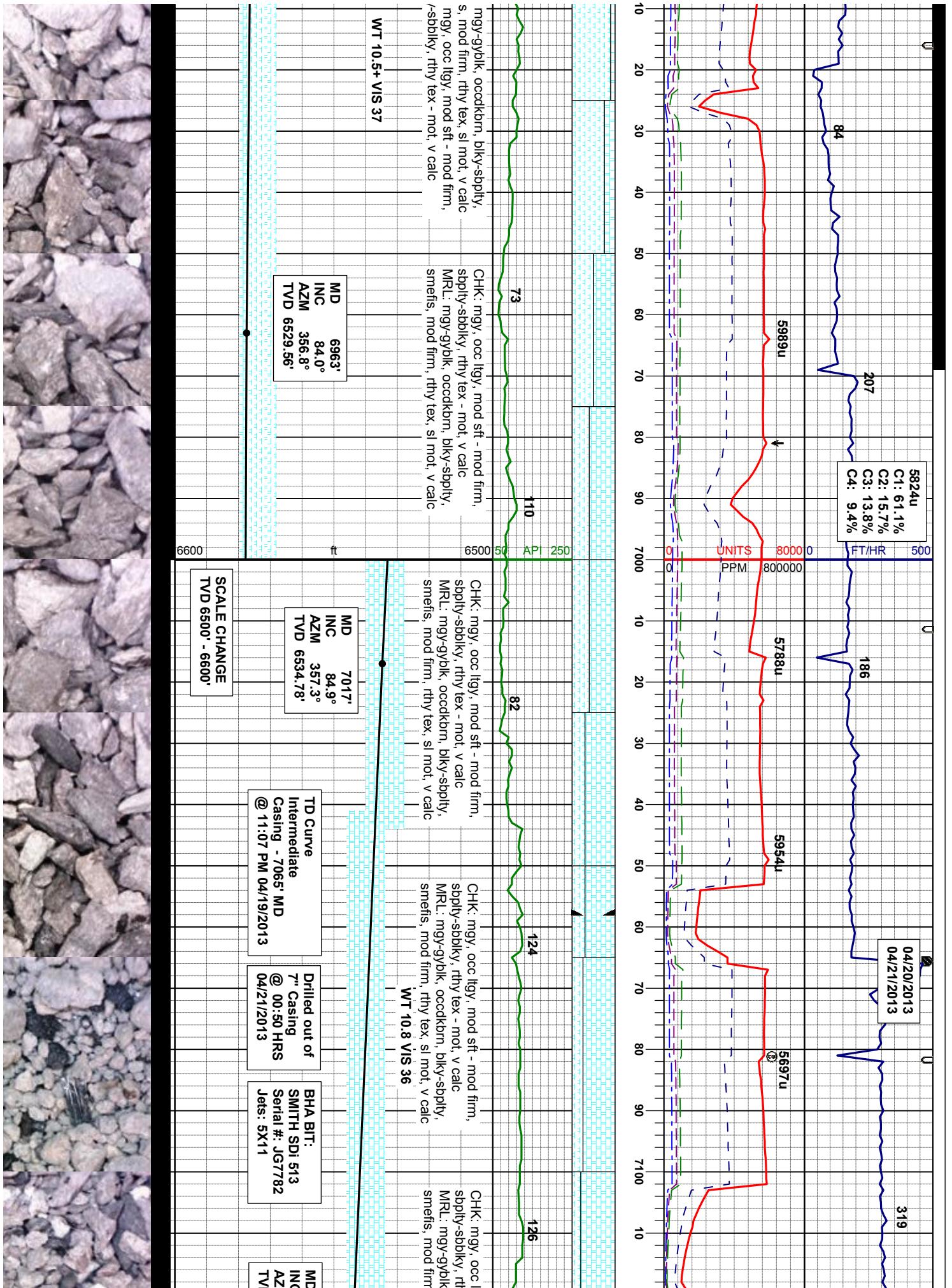


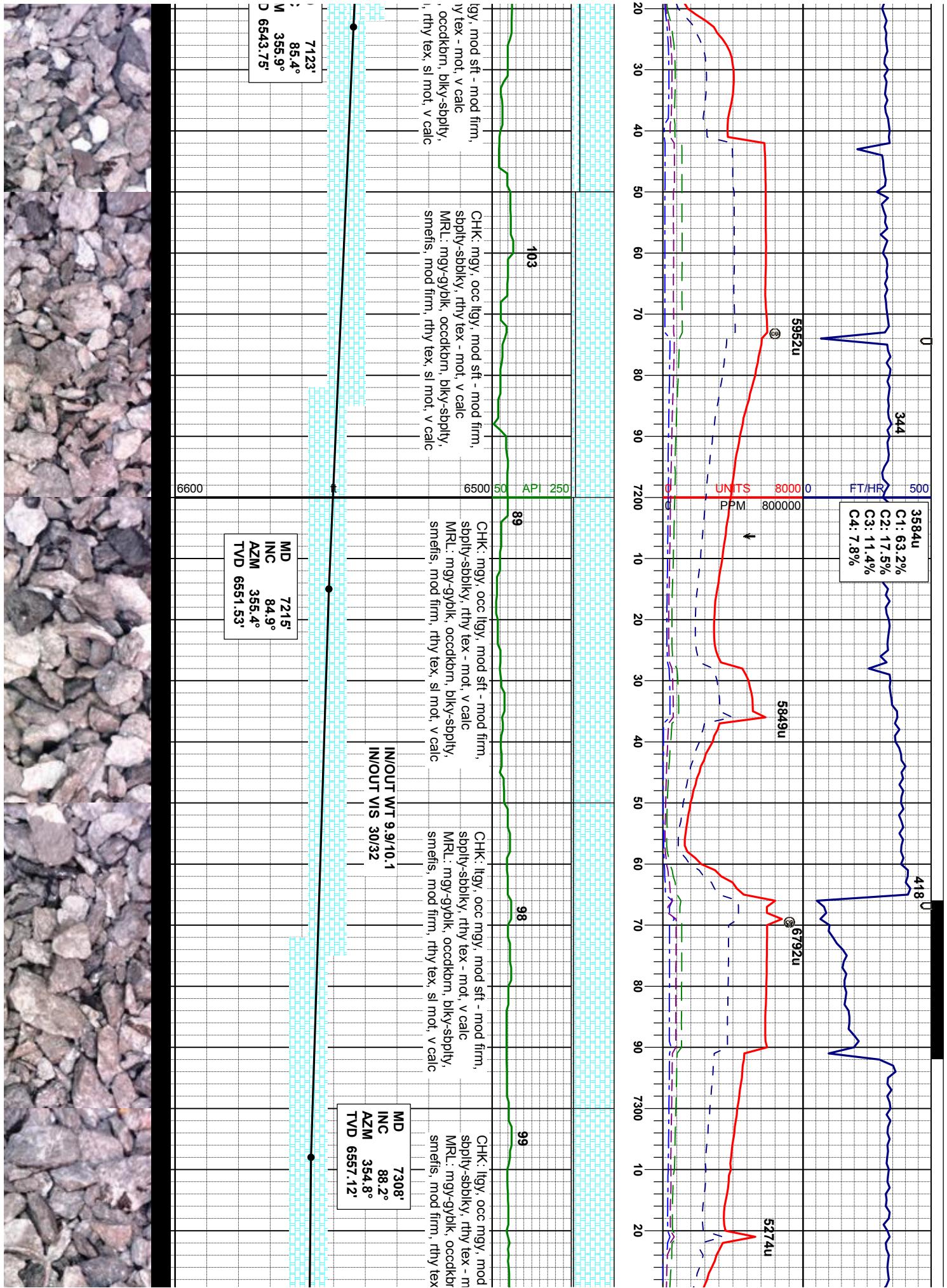


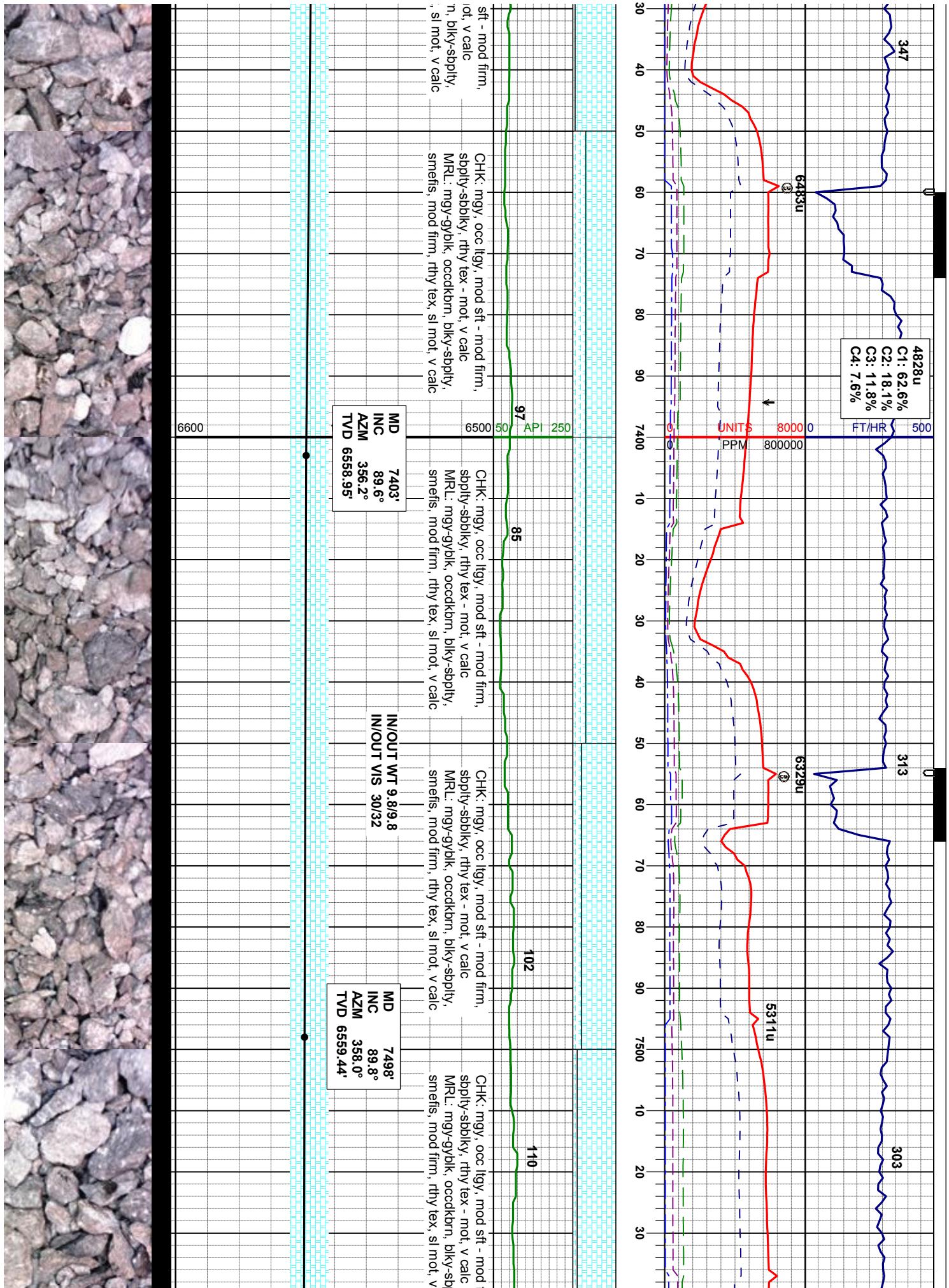


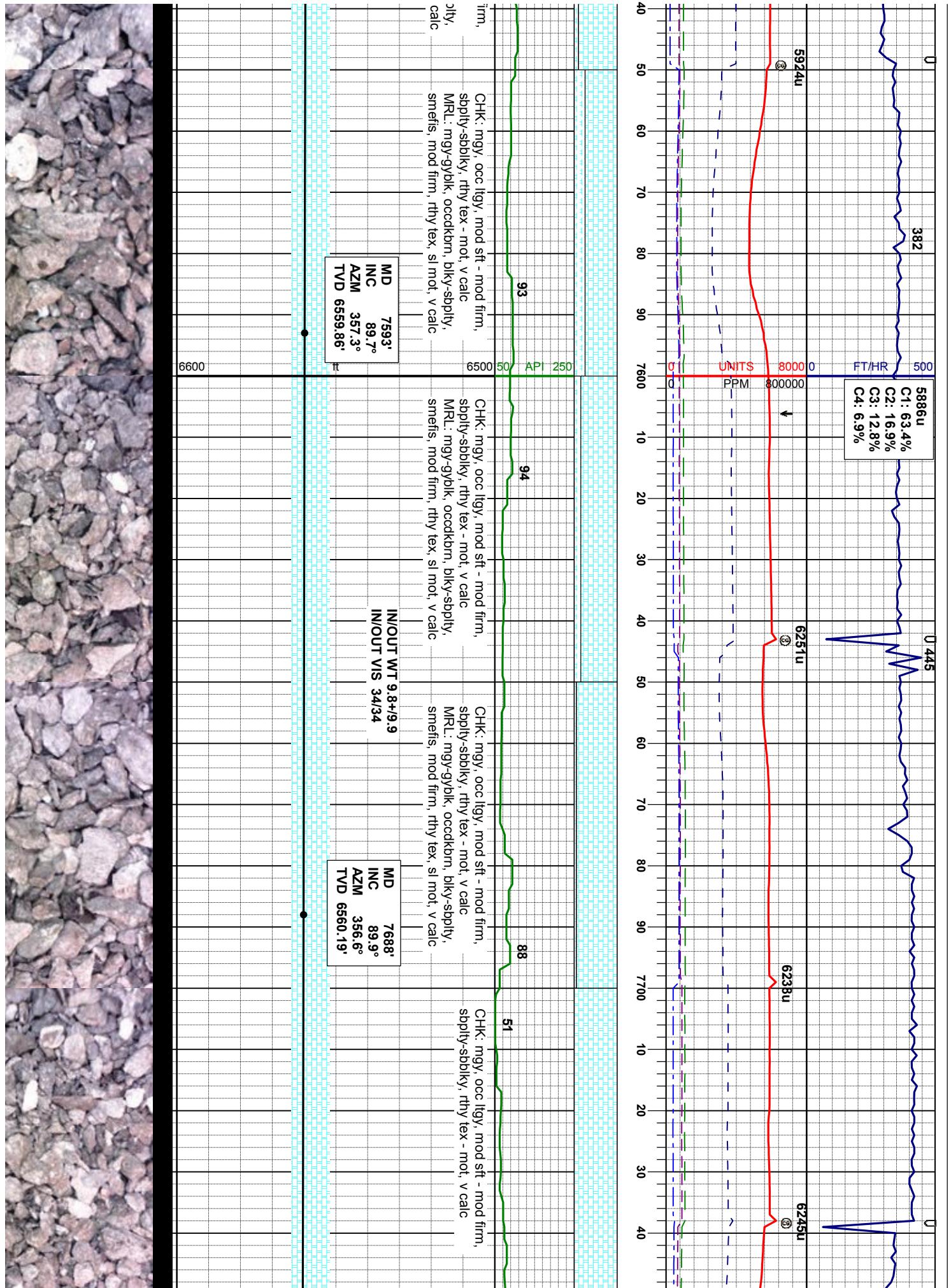


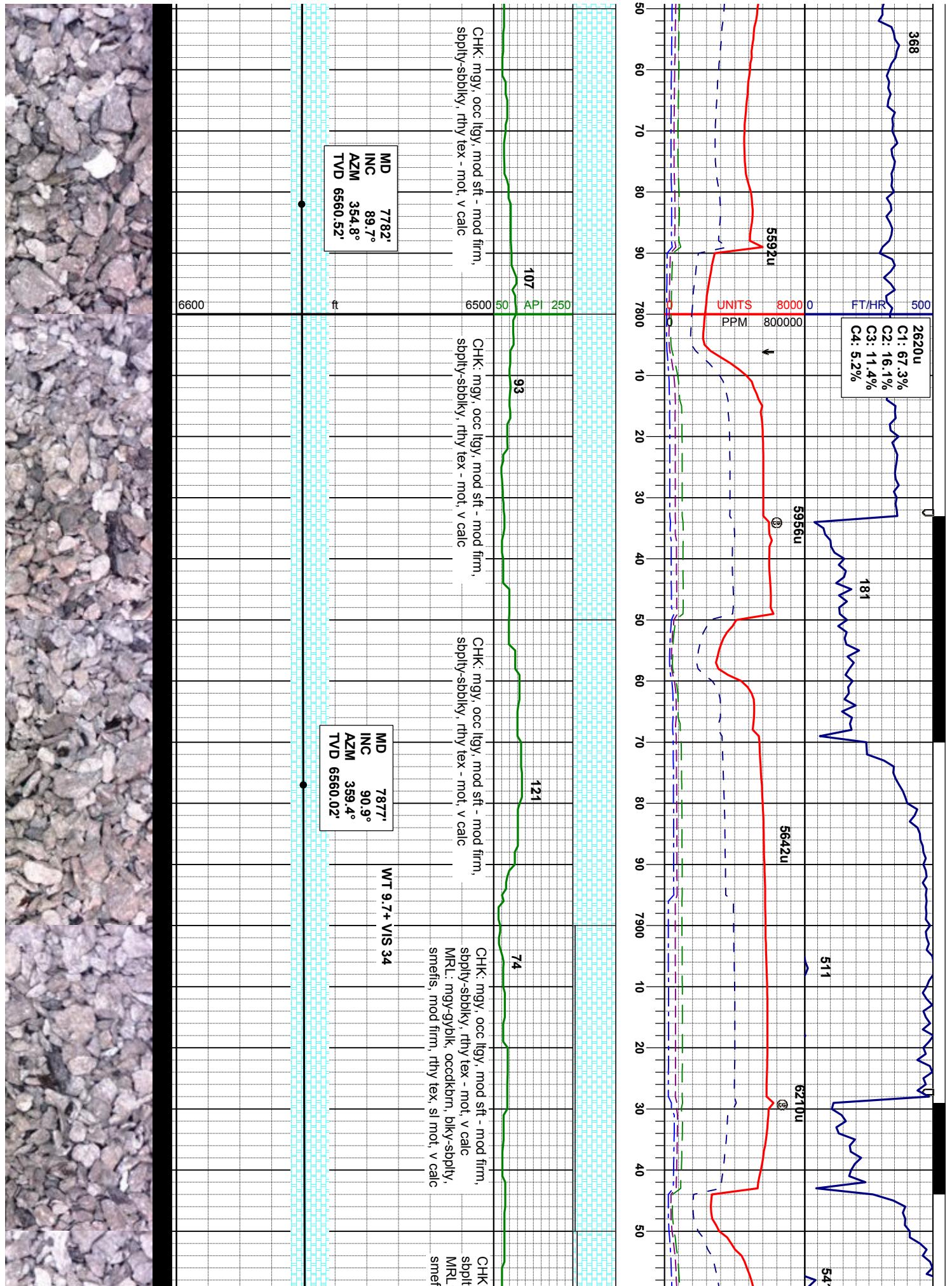


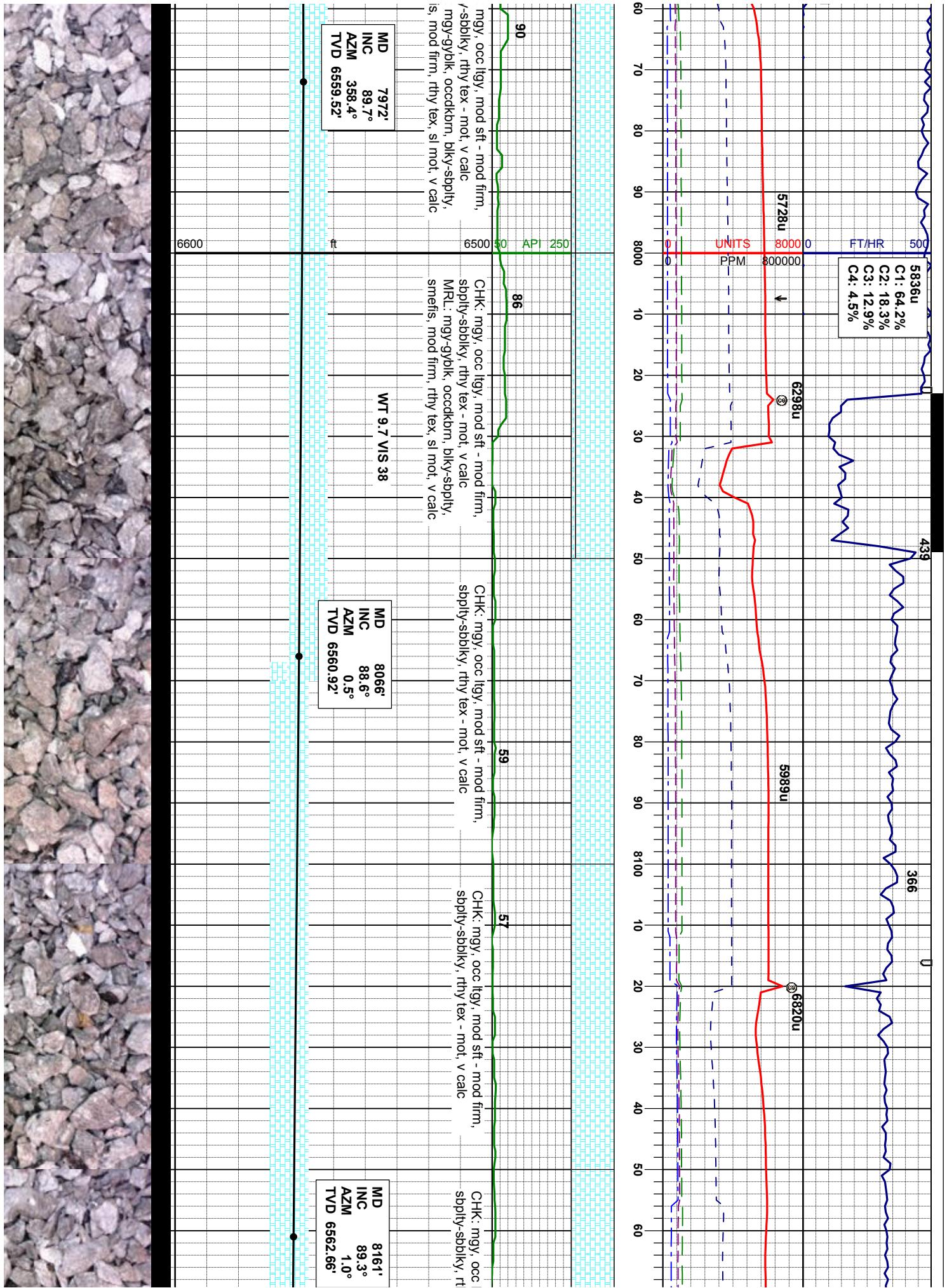


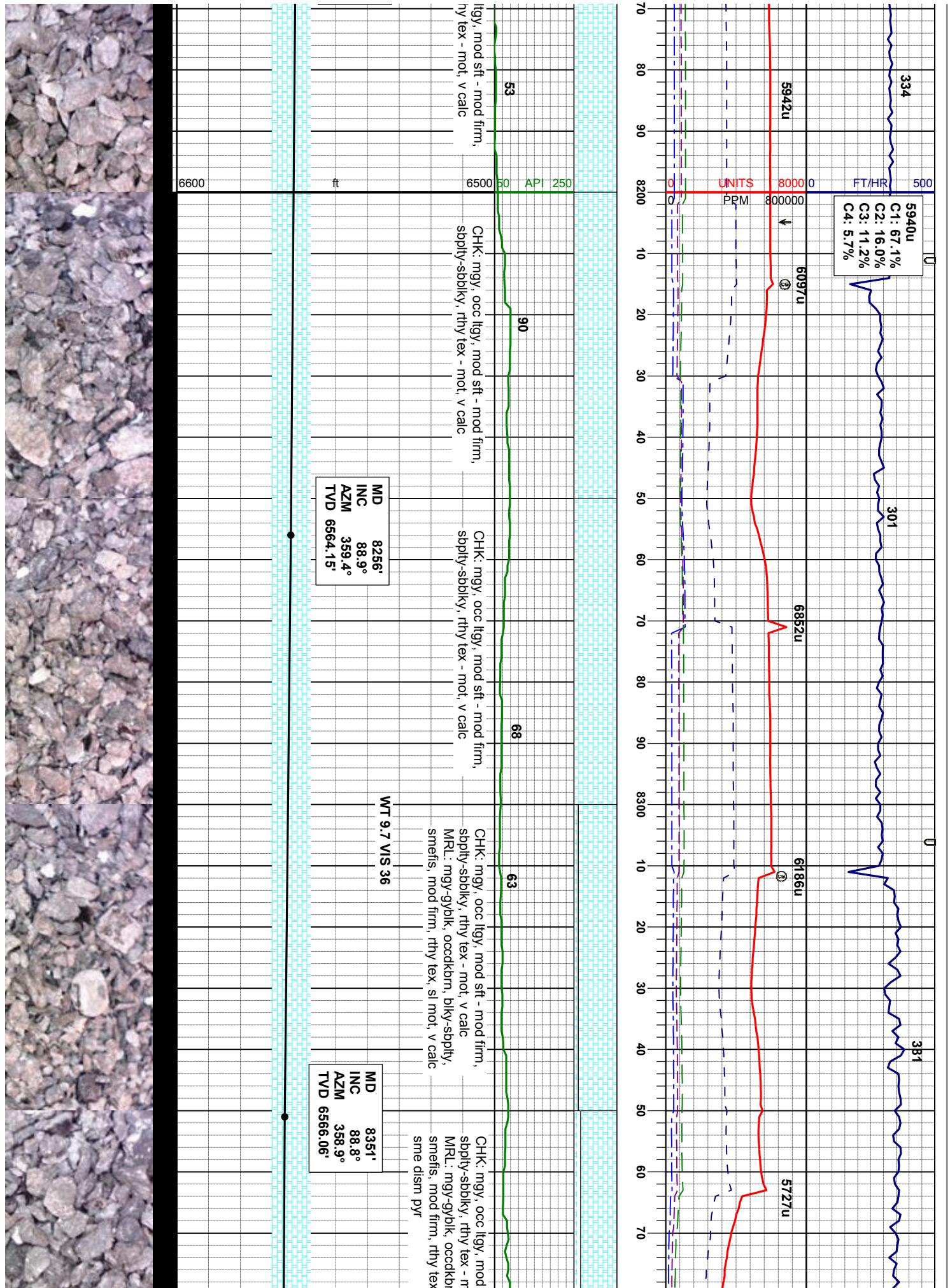












5627u  
C1: 68.8%  
C2: 15.9%  
C3: 10.5%  
C4: 4.8%

FT/HR 500

UNITS PPM 800000

8000 0

6074u ③

4931u ③

8666u ③

6257u

769t

450

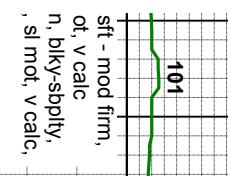
101

94

92

106

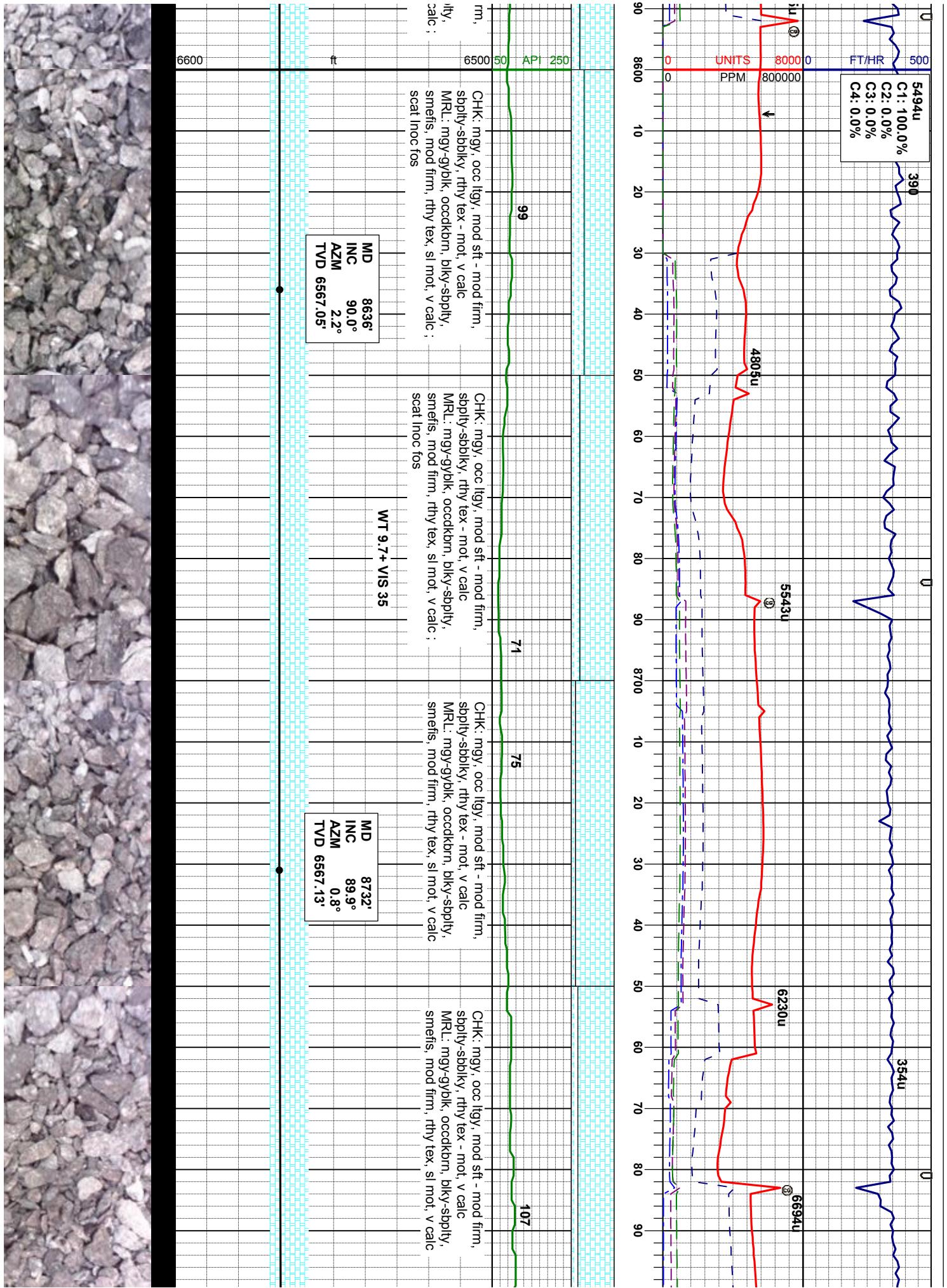
107

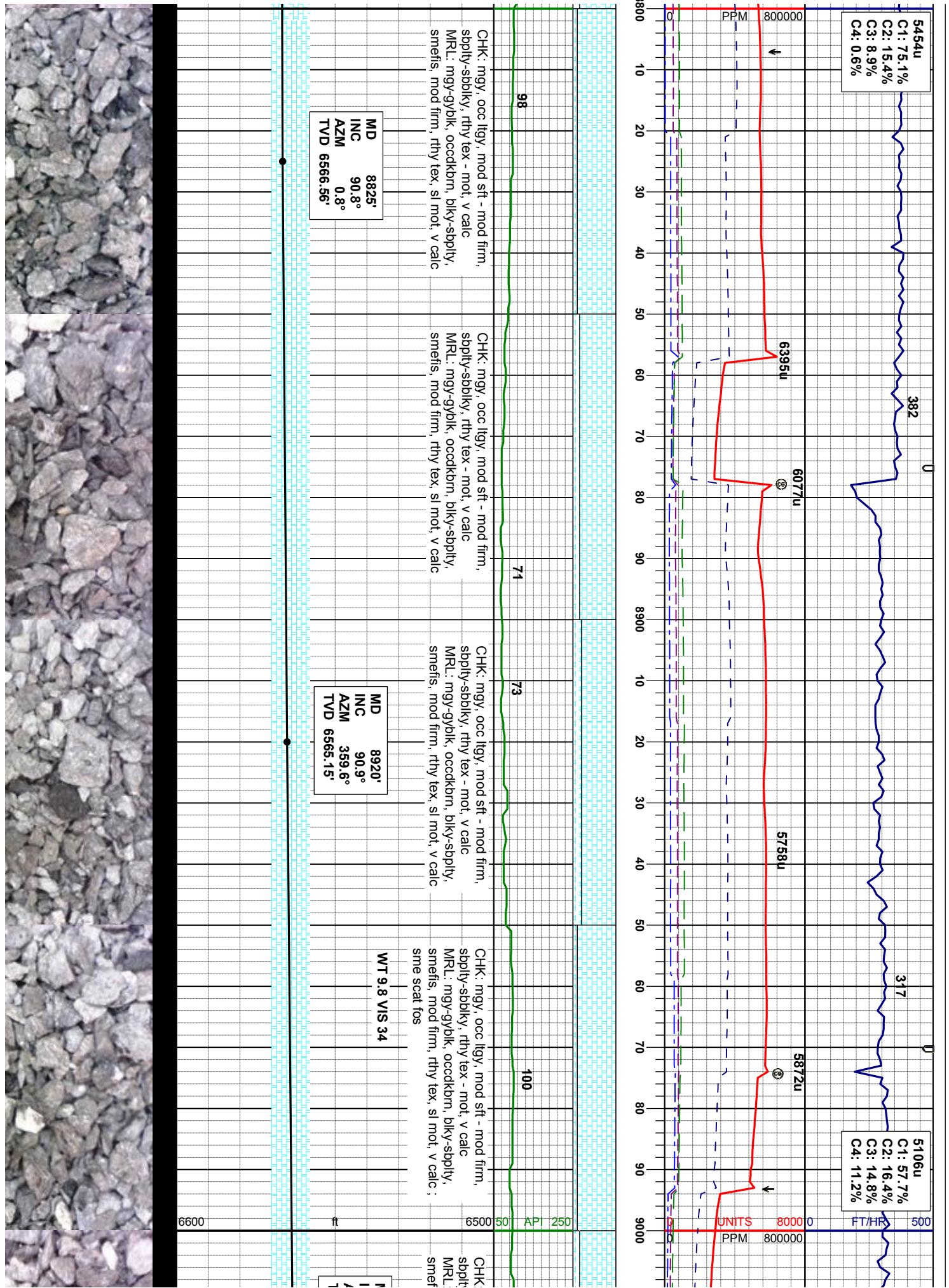


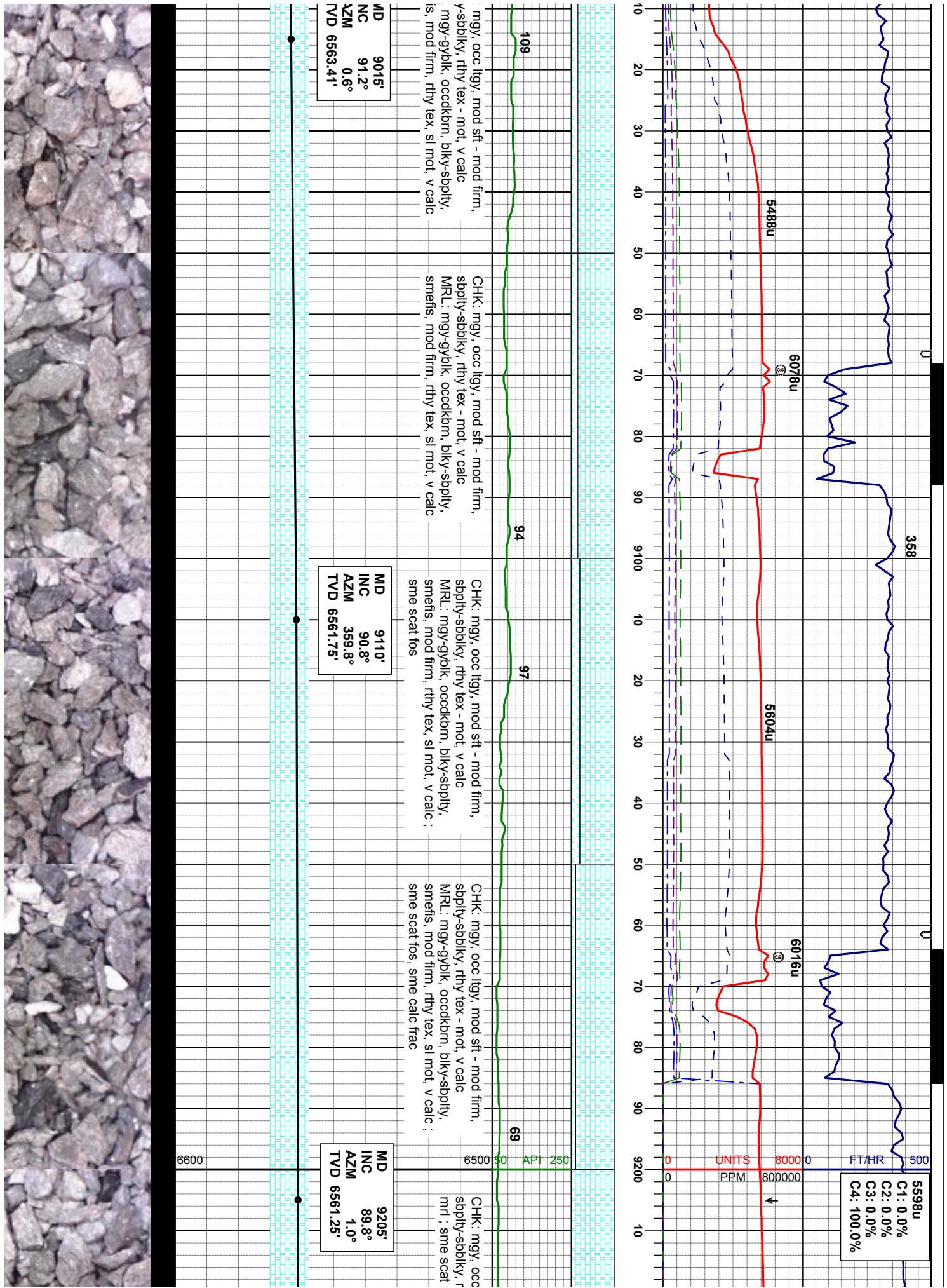
MD 8446'  
INC 90.0°  
AZM 1.7°  
TVD 6567.05'

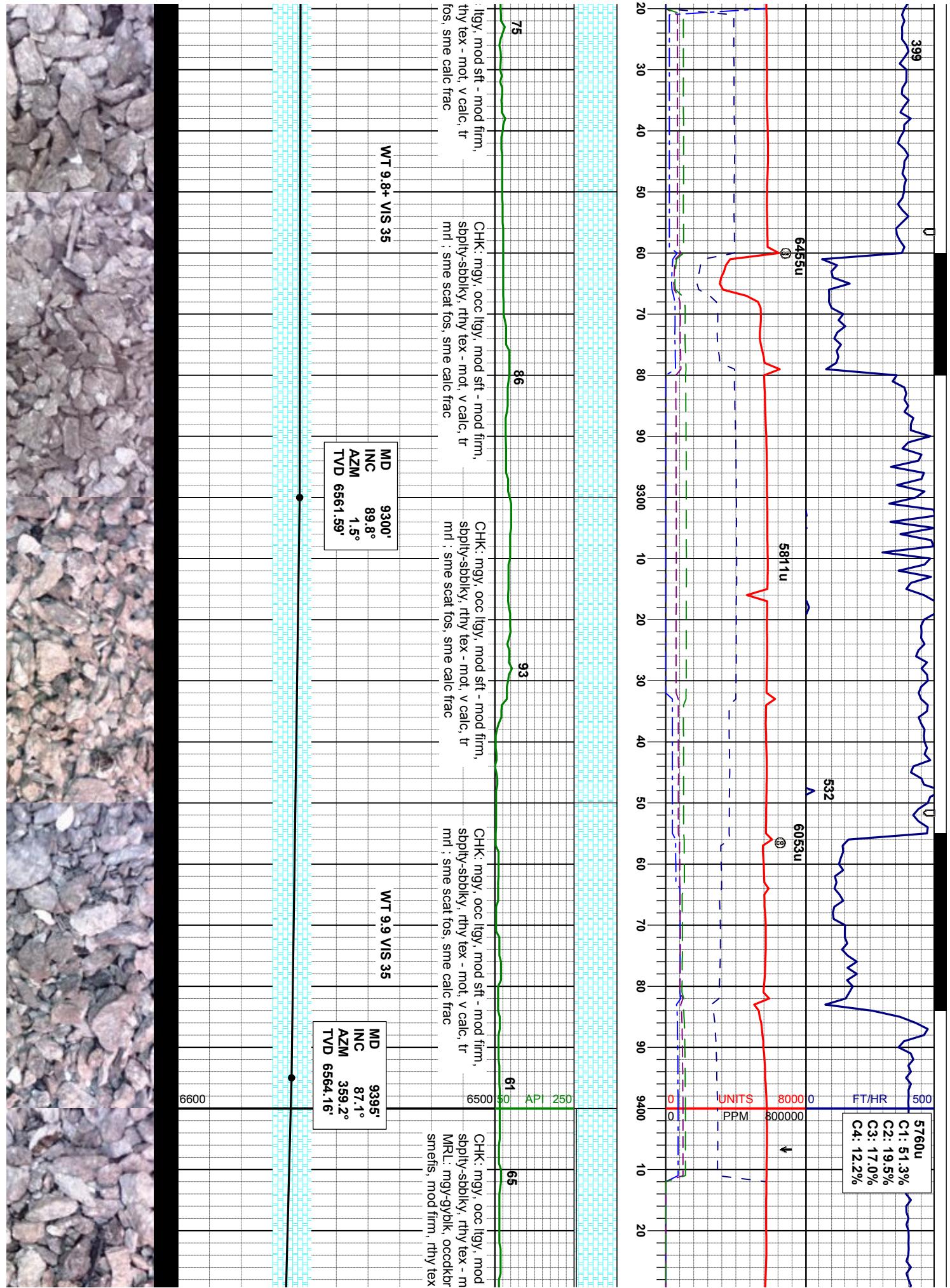
MD 8541'  
INC 90.0°  
AZM 1.2°  
TVD 6567.05'

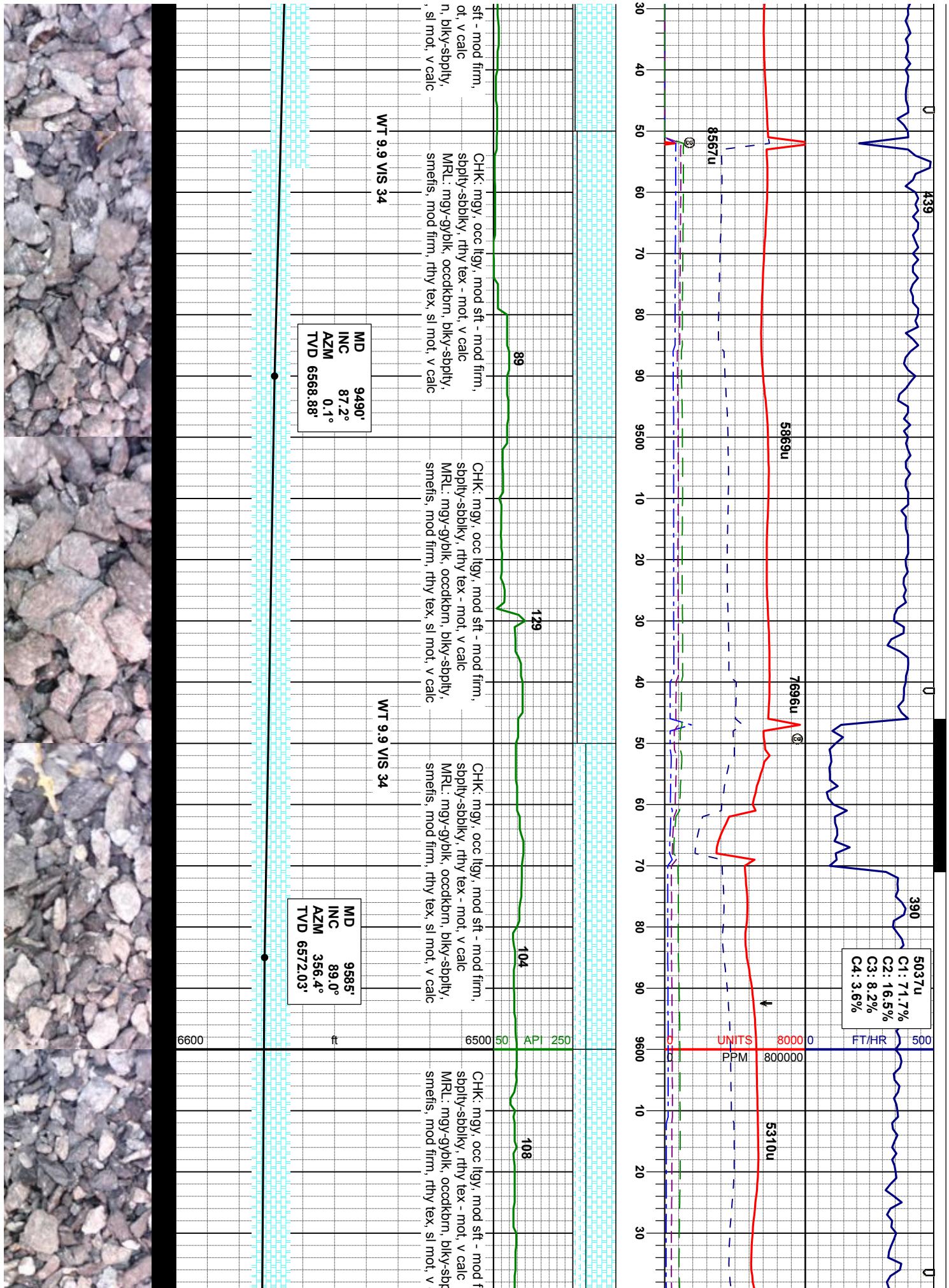


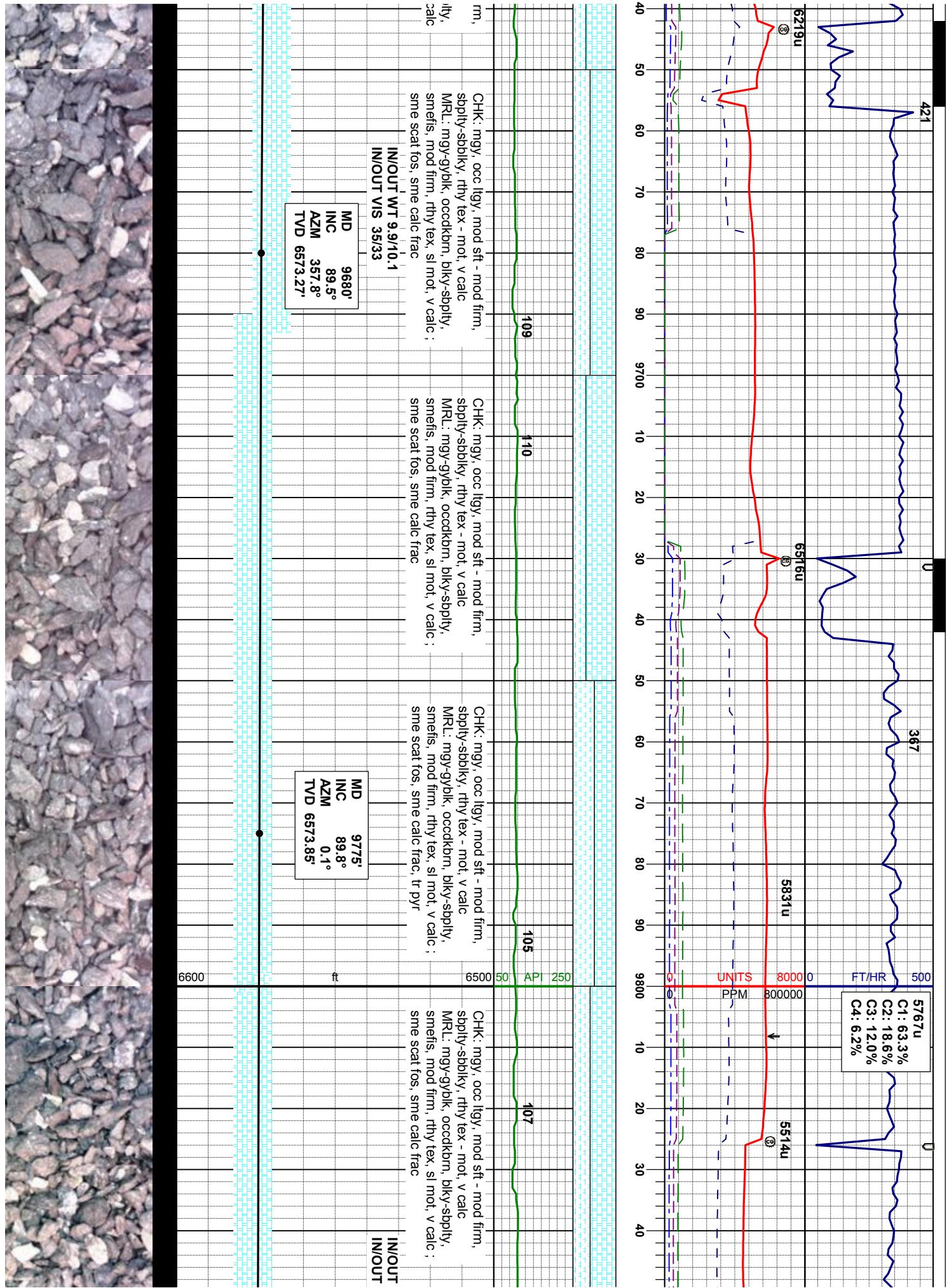


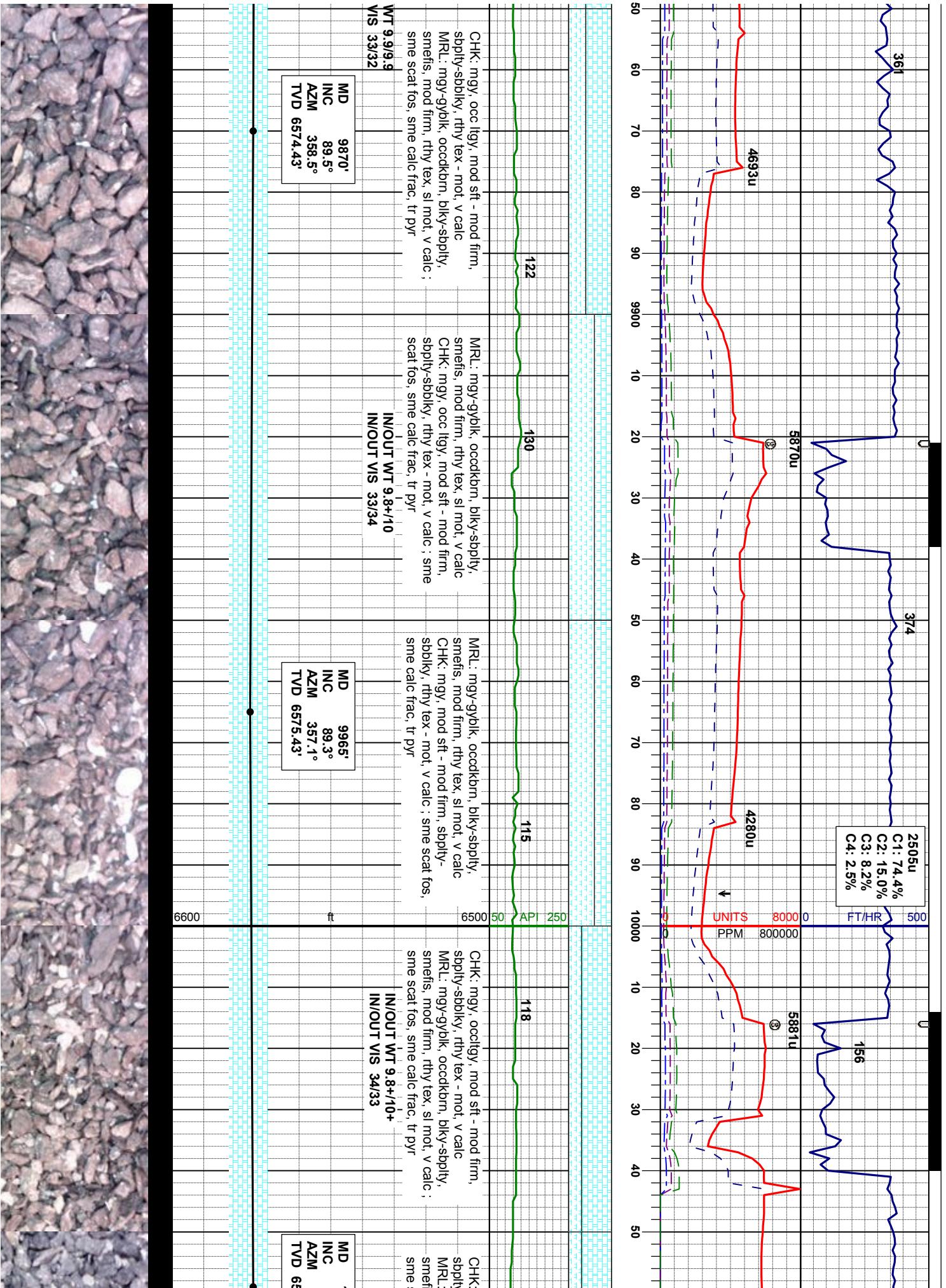












04/22/2013

2810u  
C1: 78.9%  
C2: 14.0%  
C3: 6.5%  
C4: 0.6%

500

322

J

5.

