pason

Lplot VH

Pason Systems USA Corp.
(720) 880-2000

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OPERATOR: CONTINENTAL RESOURCES
WELL: PLANCK 1-14H
PRINT DATE: 2/6/2012 7:32:54 PM

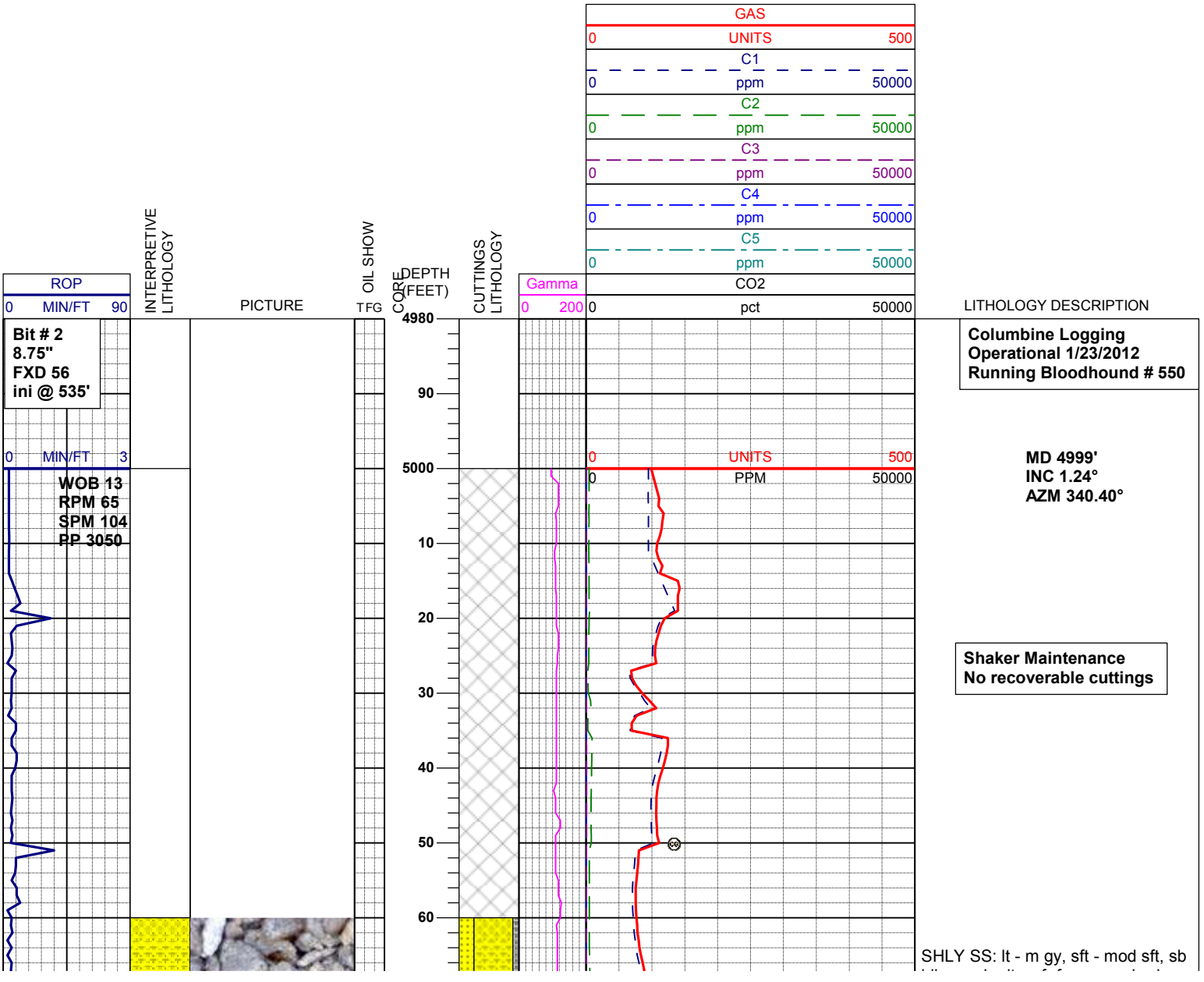
LOCATION: SEC 14&23 8N 62W
COUNTY: WELD
STATE: COLORADO

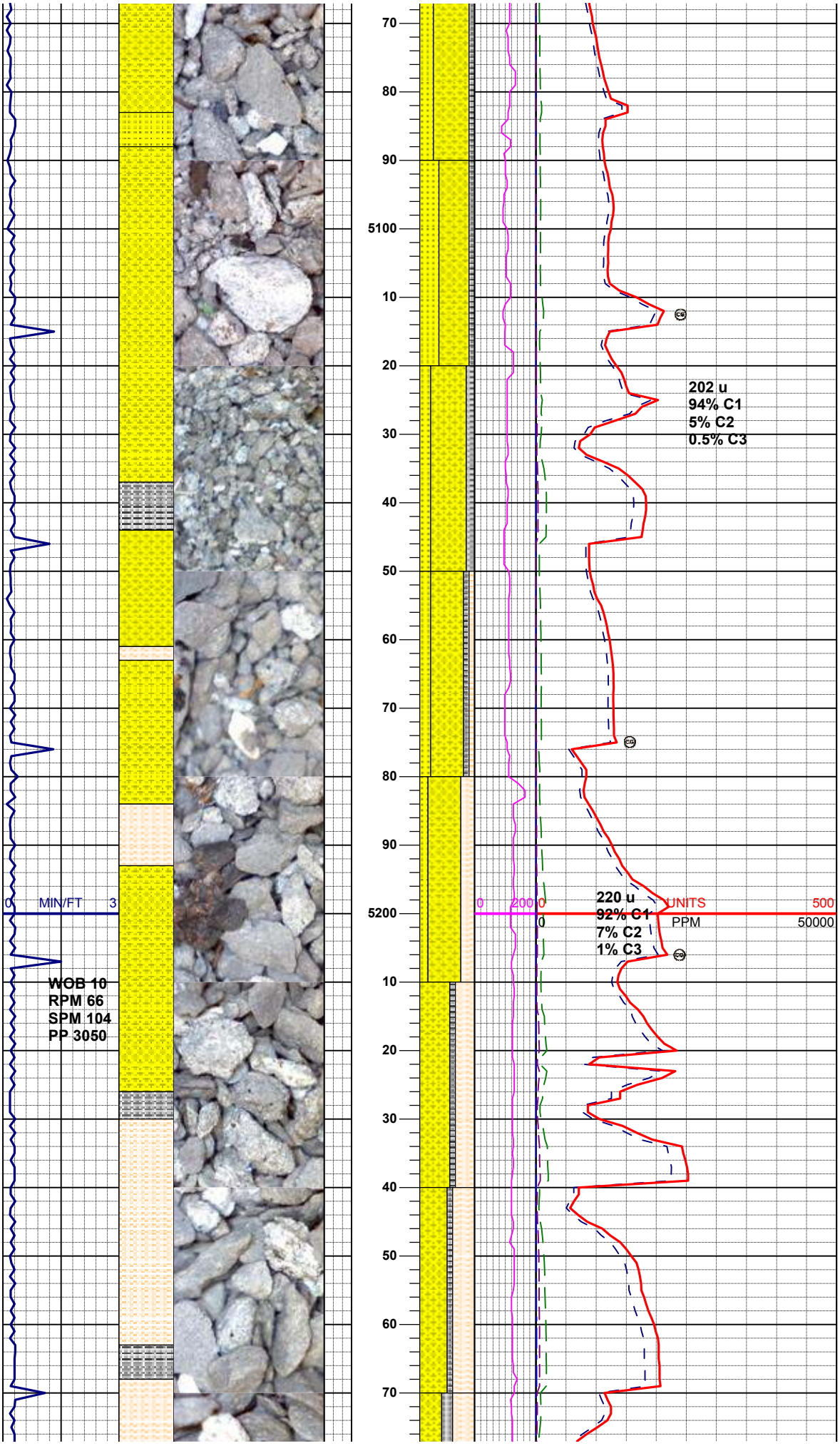
LITHOLOGIES

No Sample | Nothing | Sandstone | Shaly Sandstone
Shaly Siltstone | Siltstone | Silty Shale

ENGINEERING SYMBOLS

Connection Gas | Midnight Depth





blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt,
SS: lt gy, wh trnsl, s&p, vf-f gr, sub ang - sub rd, sl calc, tr glauc, tr sec calcite,
SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx

MD 5093'
INC 1.43°
AZM 319.39°

SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt,
SS: lt gy, wh trnsl, s&p, vf-f gr, sub ang - sub rd, sl calc, tr glauc, tr sec calcite,
SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx

SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt,
SS: lt gy, wh trnsl, s&p, vf-f gr, sub ang - sub rd, sl calc, tr glauc, tr sec calcite,
SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx

MD WT 9.00/ VIS 34

SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt,
SS: lt gy, wh trnsl, s&p, vf-f gr, sub ang - sub rd, sl calc, tr glauc, tr sec calcite,
SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx

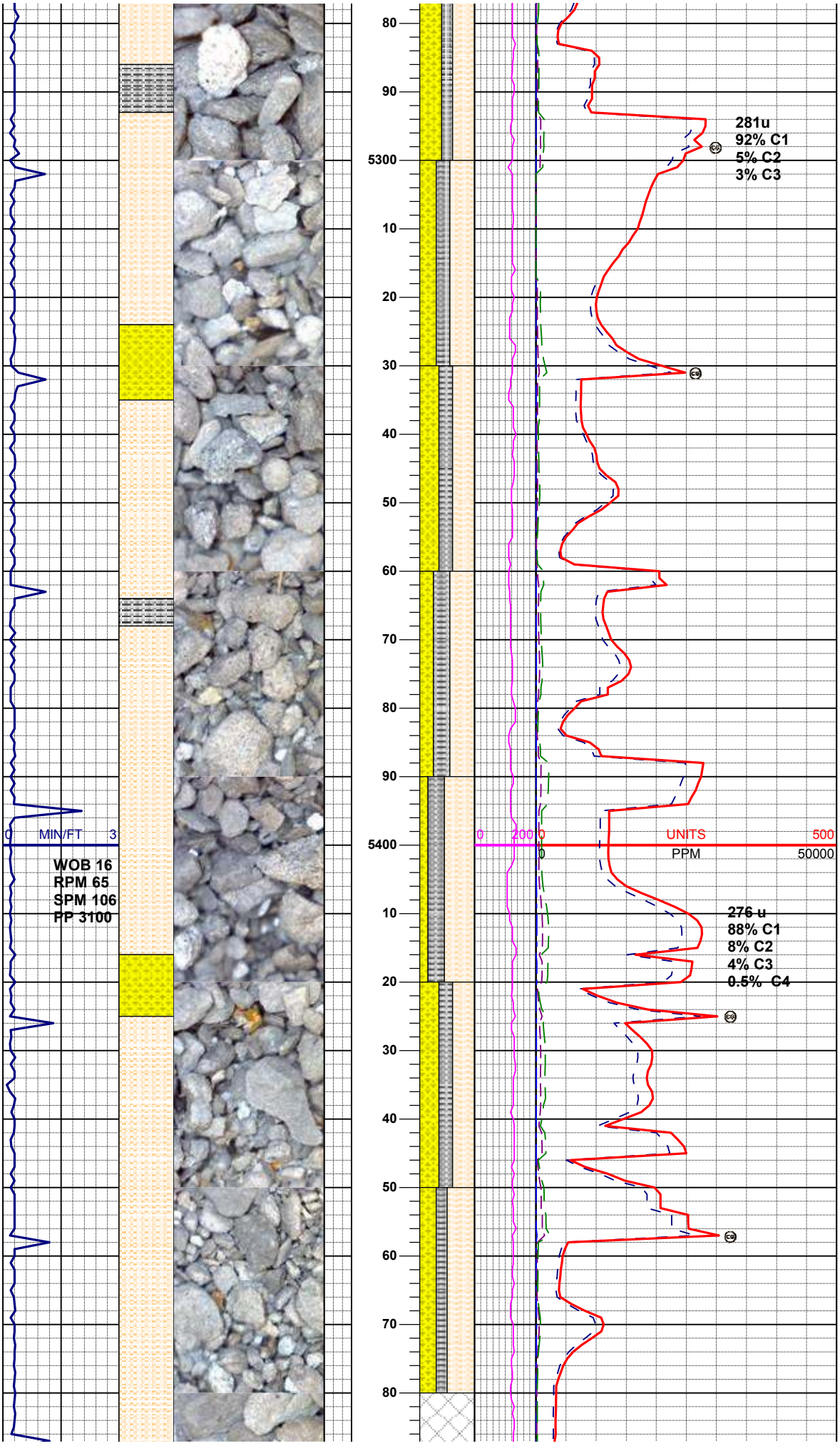
MD 5187'
INC 1.64°
AZM 320.07°

SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt, calcite, occ SS
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx; tr pyr

SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt, tr calcite, tr SS
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx,
SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, vsl calc cmt, tr calcite, tr SS
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx,
SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

SHLY SLTST: lt-m gy, sft, plty-



sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, vsl calc cmt, SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

MD 5280'
INC 1.17°
AZM 334.41°

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, non calc cmt, SLTY SH: m-dkgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt, SLTY SH: mgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

MD WT 9.30/ VIS 33

MD 5374'
INC 0.75°
AZM 330.36°

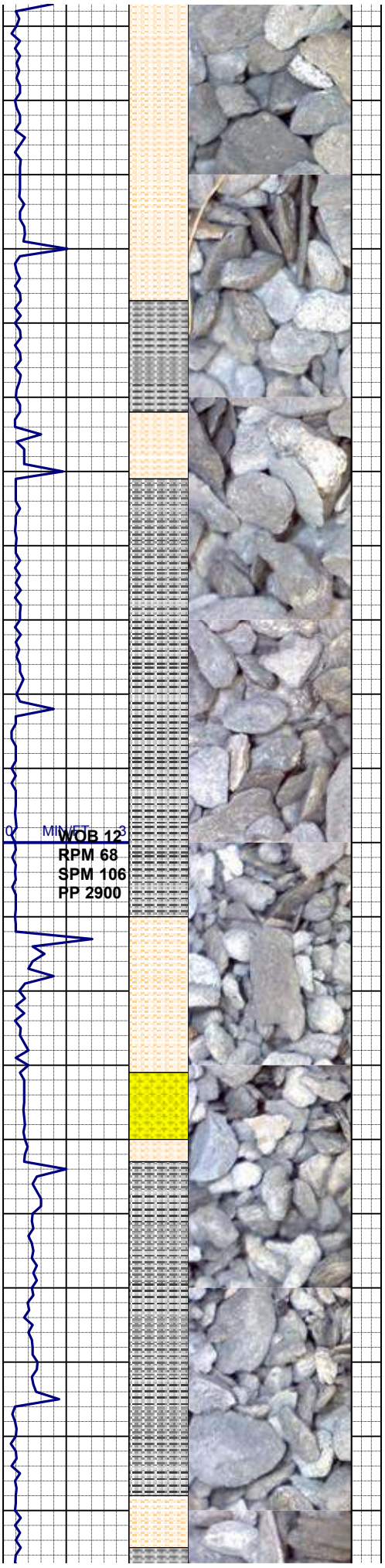
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt, SLTY SH: mgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

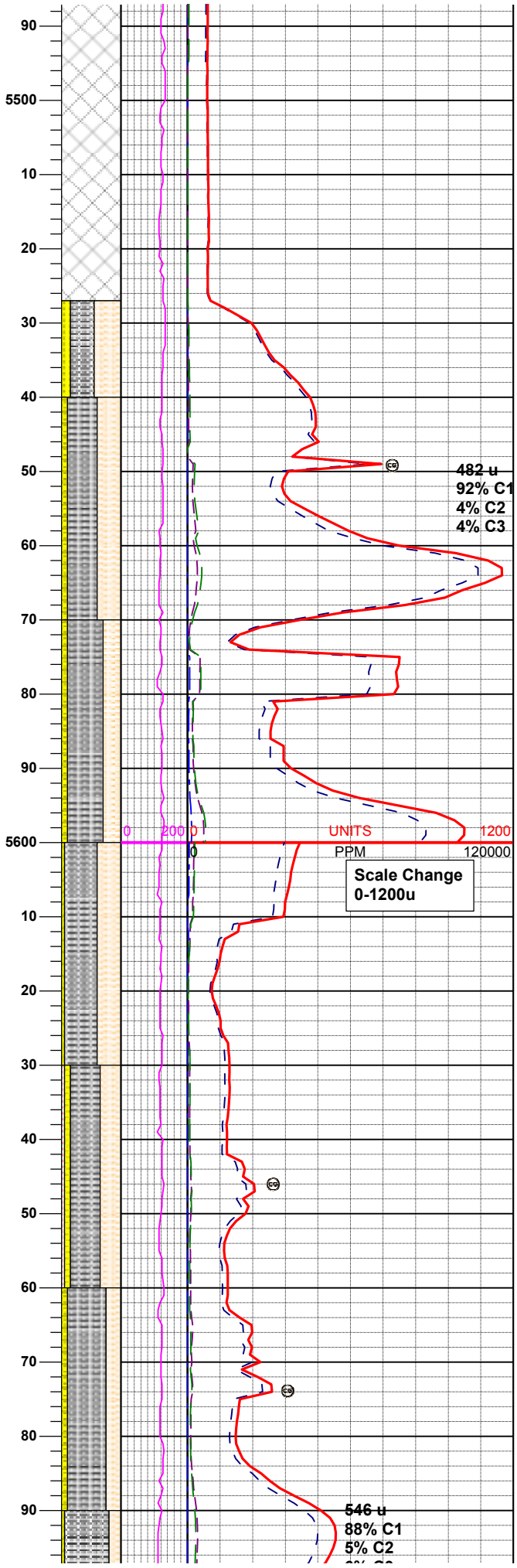
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: mgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, m-w srt, m consol, sl calc cmt; tr dism pyr

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, sft - mod sft, sb blky, vf -f gr, ang-sb rd, p-m srt, m consol, non calc cmt, SLTY SH: mgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr

MD 5468'
INC 0.22°
AZM 20.69°

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc cmt, SLTY SH: mgy, sbplty-sbblky, n vis por, vsl aren, non calc, arg mtx; tr pyr





5479-5527' MD
Bypassing Shaker
No cuttings or gas data

MD WT 9.30/ VIS 33

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

MD 5561'
INC 0.12°
AZM 24.55°

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

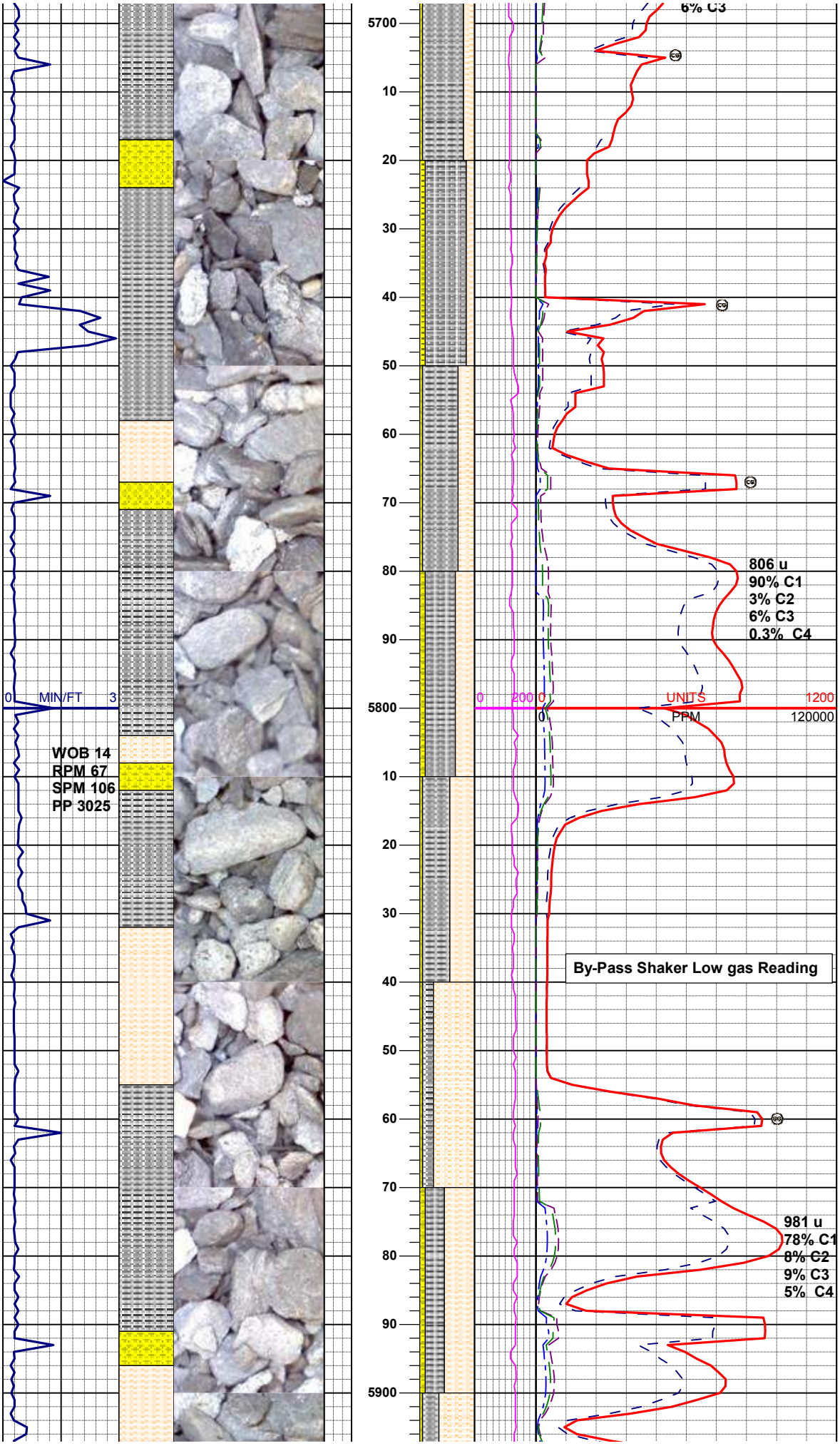
SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

MD 5748'
INC 0.40°
AZM 109.15°

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SLTY SH: m-dk gy, sbplty-sbblky, n



vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

MD WT 9.60/ VIS 37

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

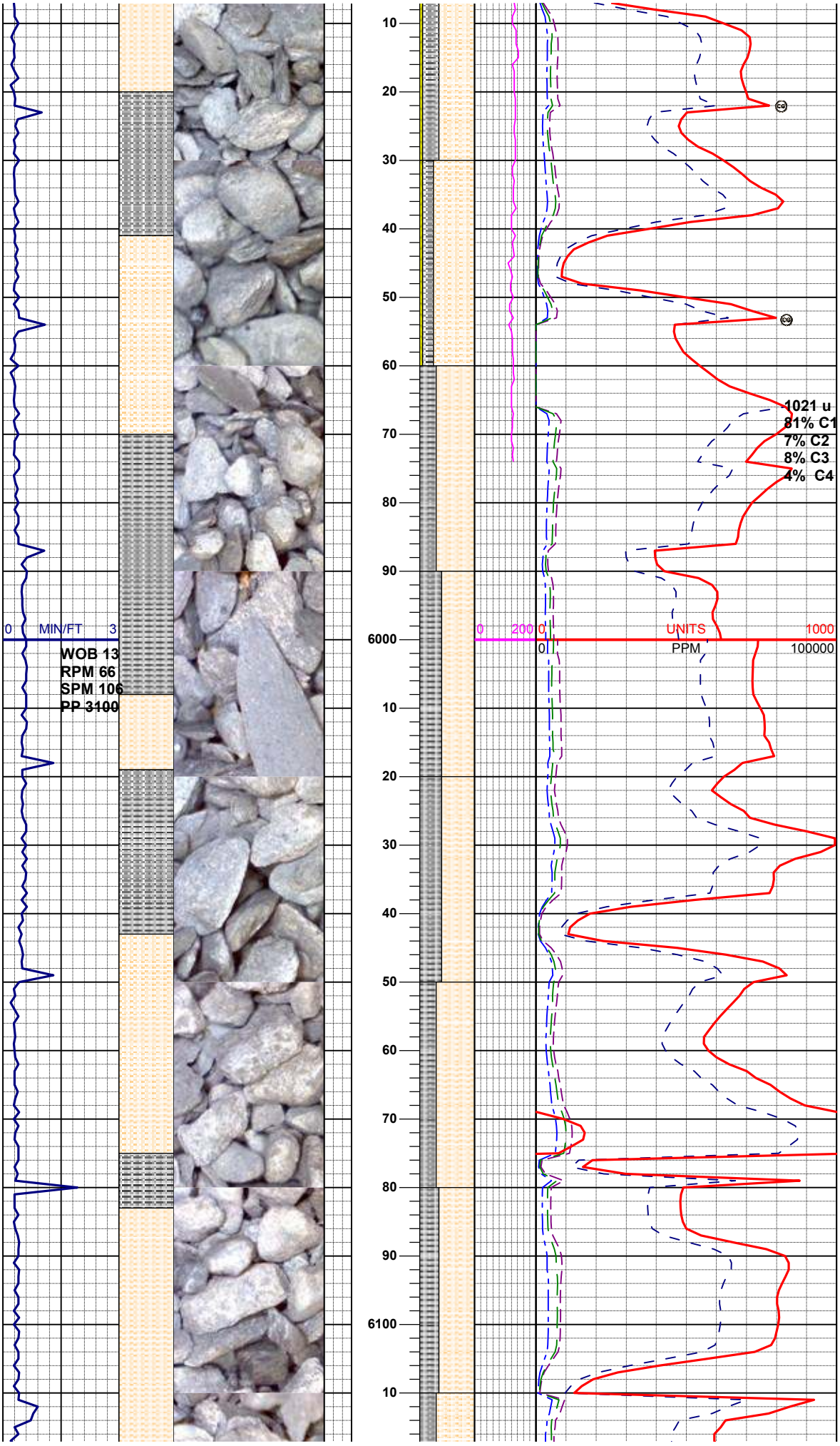
SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

MD 5841'
INC 0.50°
AZM 114.96°

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SHLY SLTST: lt-m gy, sft, plty-



sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx, SHLY SS: lt - m gy, occ wh, sft - mod sft, sb blky - sub plty, vf -f gr, ang-sb rd, p-m srt, m consol, non calc, tr dism pyr

MD WT 9.50/ VIS 37

1021 u
81% C1
7% C2
8% C3
4% C4

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx

MD 6027'
INC 0.47°
AZM 103.38°

MD WT 9.6 VIS 37 IN/OUT

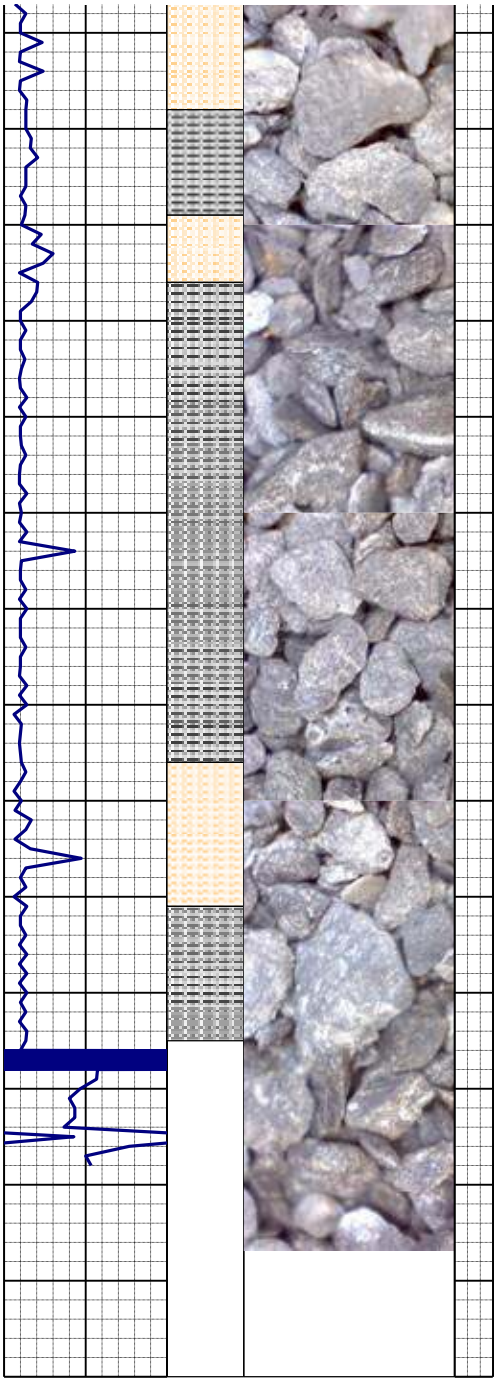
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx

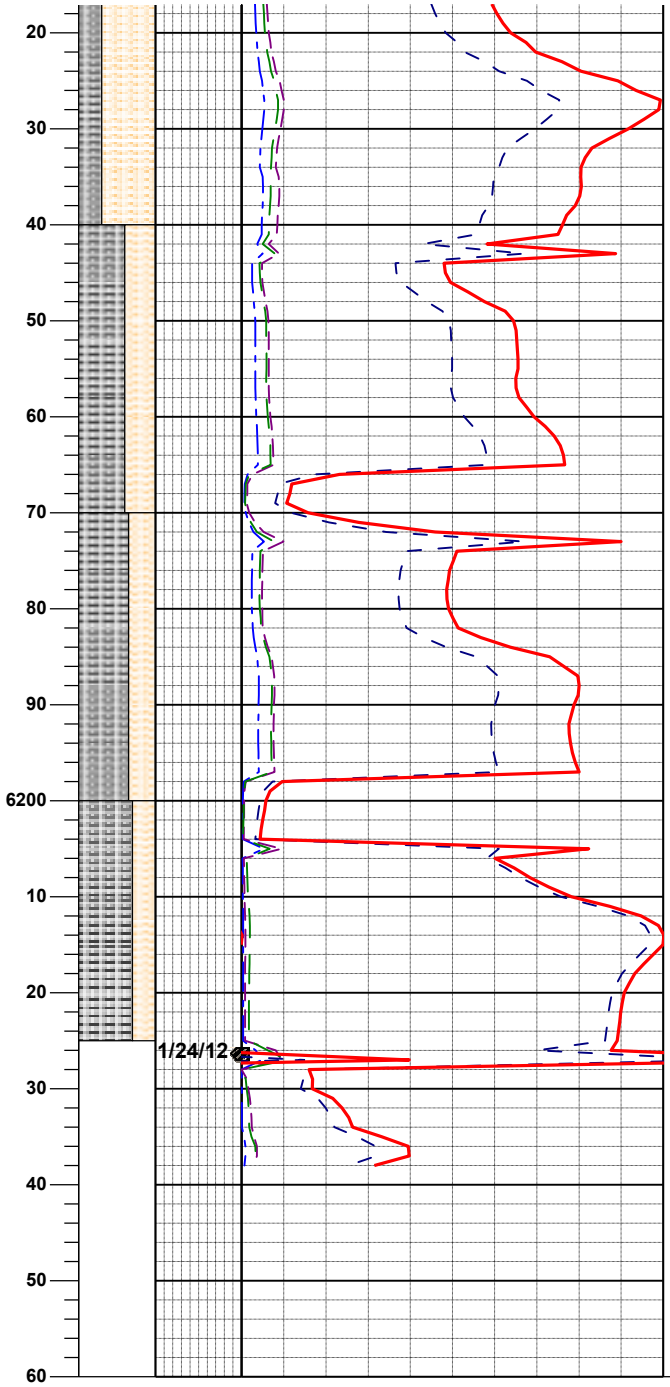
SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx

Mud Data
Wt. 9.6
Vis. 37
YP. 14
API Filtrate 10
CK .2
Chloride 300
pH 9.7

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx

MD 6121'





INC 0.57°
AZM 139.86°

SHLY SLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx, SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx SHLYSLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx

MD WT 9.5+ VIS 38 IN
MD WT 9.5 VIS 37 OUT

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx SHLYSLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx

SLTY SH: m-dk gy, sbplty-sbblky, n vis por, sl aren, non calc, arg mtx SHLYSLTST: lt-m gy, sft, plty-sbblky, vf gr, non calc cmt, arg mtx

KOP 6225' MD
TOOH FOR CURVE BHA

THANK YOU FOR USING COLUMBINE LOGGING