

STARTED ONE MAN MUD LOGGING  
 @ 6:15 AM ON 1-21-14

SH-MED-MED DK GRY, TR DK GRY,  
 VF-FN TXT, TR SNDY, MOD FRM,  
 BLKY, CALC, TR CARB, SM  
 WHT-YEL FLU, NO VIS CUT OR STN,  
 W/ LS-CRM-BUFF, VF-FN  
 MICROXLN, SM MED XLN, MOD  
 FRM-FRM, DNS, SM GRAN POR, TR  
 MOTT

SH-MED DK-DK GRY, SM BLK, VF-FN  
 TXT, TR SNDY, MOD FRM, BLKY,  
 CALC, SM CARB, SM DULL WHT-DK  
 YEL FLU, NO VIS CUT OR STN, W/  
 SM LS-CRM-BUFF, VF-FN  
 MICROXLN, MOD FRM-FRM, DNS,  
 SM GRAN POR, TR CHRT, TR MOTT

SURVEY @ 3989' W/ .25 DEG DEV

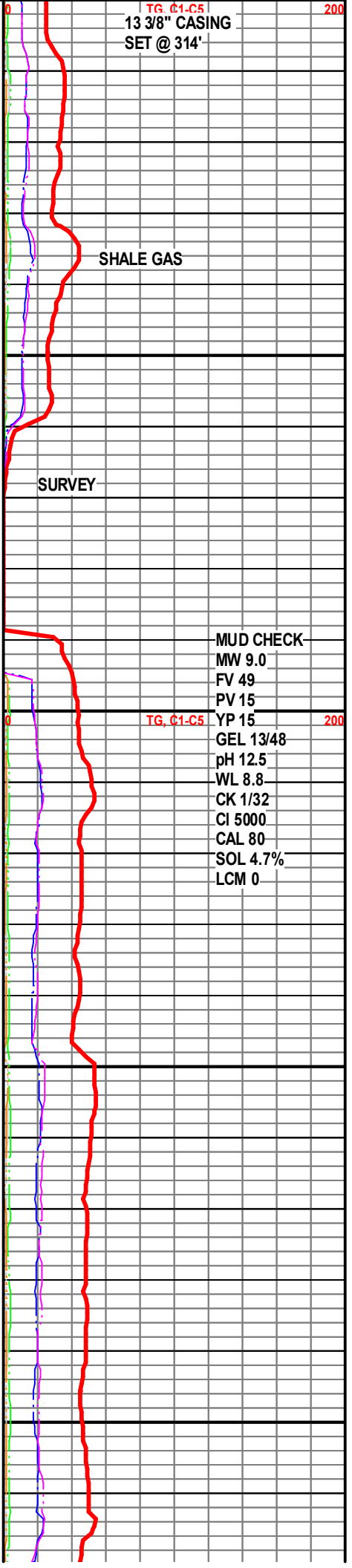
SH-MED DK-DK GRY, SM BLK, VF-FN  
 TXT, SM SNDY, MOD FRM, BLKY,  
 CALC, SM CARB, SM DULL WHT-DK  
 YEL FLU, NO VIS CUT OR STN, W/  
 SM LS-CRM-BUFF, VF-FN-MED  
 MICROXLN, MOD FRM-FRM,  
 DNS-GRAN POR, TR IB CHRT, SM  
 MOTT

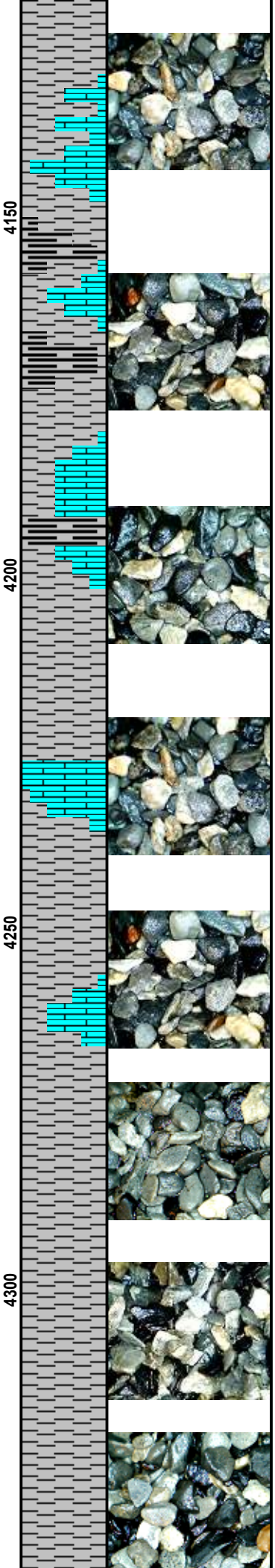
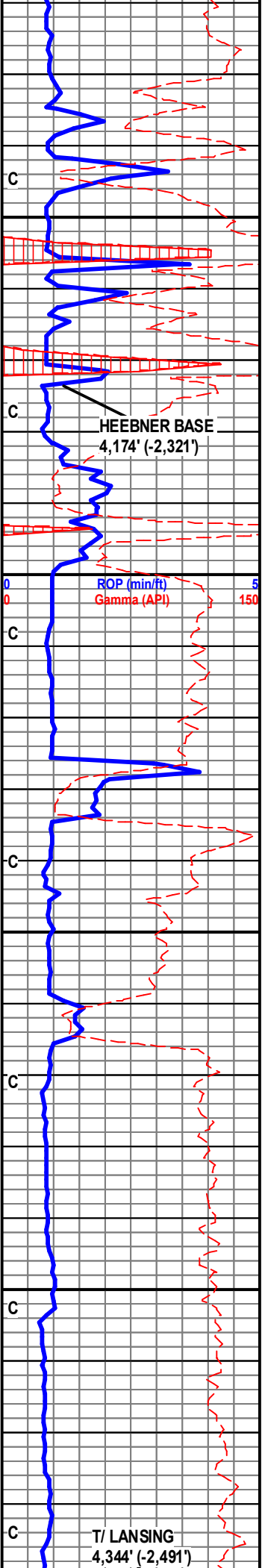
SH-MED-MED DK GRY, SM DK  
 GRY-BLK, VF-FN TXT, SM SNDY,  
 MOD FRM, BLKY, TR PLTY, CALC,  
 SM CARB, SCTTRD DULL WHT- YEL  
 FLU, NO VIS CUT OR STN, W/ SM  
 LS-CRM-BUFF, TR TN, VF-FN  
 MICROXLN, MOD FRM-FRM, DNS,  
 SM GRAN POR, SM MOTT

SH-MED GRY, SM MED DK-DK GRY,  
 VF-FN TXT, TR SNDY, MOD FRM,  
 BLKY-PLTY, CALC, TR CARB,  
 SCTTRD DULL WHT-YEL FLU, NO  
 VIS CUT OR STN, W/ SM  
 LS-CRM-BUFF, TR TN, VF-FN  
 MICROXLN, MOD FRM-FRM, DNS,  
 SM GRAN POR, SM MOTT, TR ARGL

SH-MED GRY, SM MED DK-DK GRY,  
 VF-FN TXT-SNDY, MOD FRM,  
 BLKY-PLTY, CALC, TR CARB, SM  
 DULL WHT-YEL FLU, NO VIS CUT  
 OR STN, W/ SM LS-CRM-BUFF, TR  
 TN, VF-FN MICROXLN, MOD  
 FRM-FRM, DNS, SM GRAN POR, SM  
 MOTT

SH-MED GRY, SM MED DK-DK GRY,  
 VF-FN TXT-SNDY, MOD FRM,  
 BLKY-PLTY, CALC, TR CARB, SM  
 DULL WHT-YEL FLU, NO VIS CUT  
 OR STN, W/ SM LS-CRM-BUFF, TR  
 TN, VF-FN MICROXLN, MOD  
 FRM-FRM, DNS, TR GRAN POR, SM  
 MOTT





SH-MED DK-DK GRY, SM BLK, VF-FN TXT, TR SNDY, MOD FRM, BLKY, SM SPLNTY, CALC, SM CARB, SM DULL WHT-YEL FLU, NO VIS CUT OR STN, W/ SM LS-CRM-BUFF, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SM MOTT

SH-DK GRY-BLK, SM MED GRY, VF-FN TXT, SM SNDY, MOD FRM, BLKY, TR SPLNTY, CALC, SM CARB, SM DULL WHT-YEL FLU, NO VIS CUT OR STN, W/ SM LS-CRM-BUFF, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SM MOTT, TR ARGL

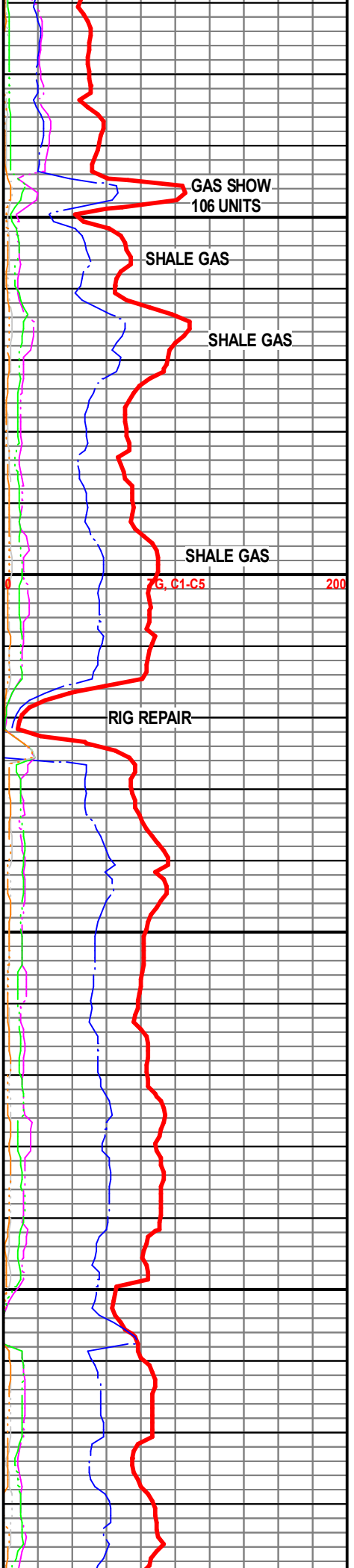
SH-DK GRY-BLK, SM MED GRY, VF-FN TXT, SM SNDY, MOD FRM, BLKY, TR SPLNTY, CALC, SM CARB, SM DULL WHT-YEL FLU, NO VIS CUT OR STN, W/ SM LS-CRM-BUFF, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SM MOTT, TR ARGL

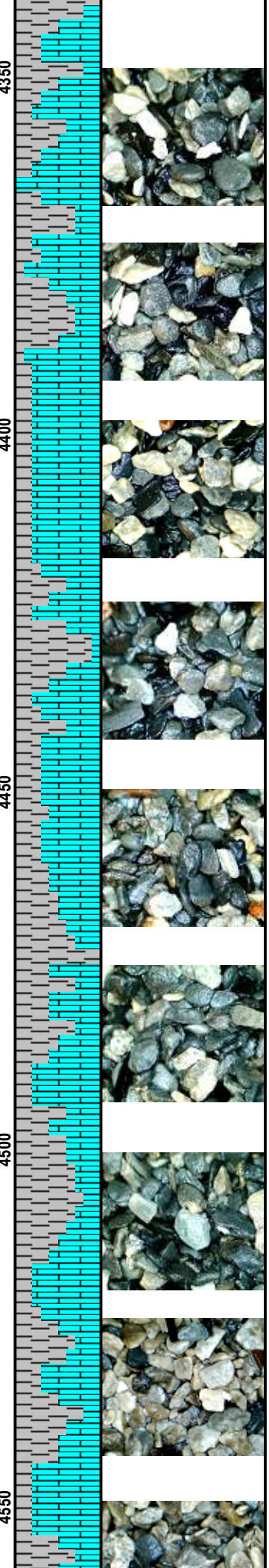
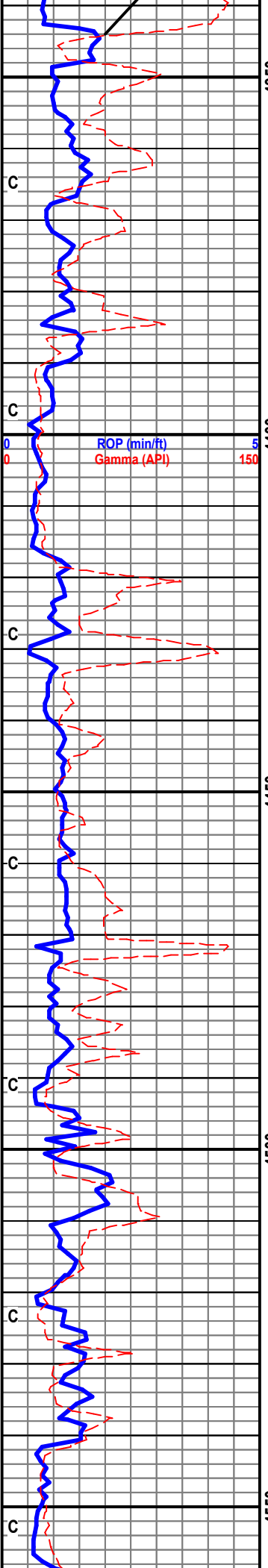
LS-OFF WHT-CRM, TR BUFF, VF-FN MICROXLN, MOD FRM, SM FRM, DNS, TR MOTT, TR ARGL, SM YEL FLU, NO VIS CUT OR STN, W/ ABDNT SH AAB

LS-CRM, SM BUFF, VF-FN MICROXLN, MOD FRM, SM FRM, DNS, TR MOTT, TR ARGL, SM YEL FLU, NO VIS CUT OR STN, W/ ABDNT SH-MED GRY, SM DK GRY, VF-FN TXT, SM SNDY, MOD FRM, BLKY, SM CALC, TR CARB

SH-MED DK GRY, SM DK GRY, VF-FN TXT, TR SNDY, MOD FRM, BLKY, TR SPLNTY, SM YEL FLU, NO VIS CUT OR STN, W/ LS AAB

SH-MED GRY, SM MED DK GRY, VF-FN TXT, TR SNDY, MOD FRM, BLKY, TR SPLNTY, SM YEL FLU, NO VIS CUT OR STN, W/ INCRES LS-CRM-BUFF, VF-FN MICROXLN, MOD FRM, DNS, SM MOTT





LS-CRM-BUFF, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM MOTT, TR FOSS, SCTTRD YEL-WHT FLU, NO VIS CUT OR STN, W/ SH AAB

LS-CRM-BUFF, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM MOTT, TR FOSS-CRIN, SCTTRD YEL-WHT FLU, NO VIS CUT OR STN, W/ ABDNT SH-MED GRY, SM MED DK GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF, SM CRM, VF-FN MICROXLN, TR MED XLN, MOD FRM-FRM, DNS, TR GRAN POR, MOTT, TR ARGL, SCTTRD DULL WHT TR YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, VF-FN TXT, MOD FRM, BLKY

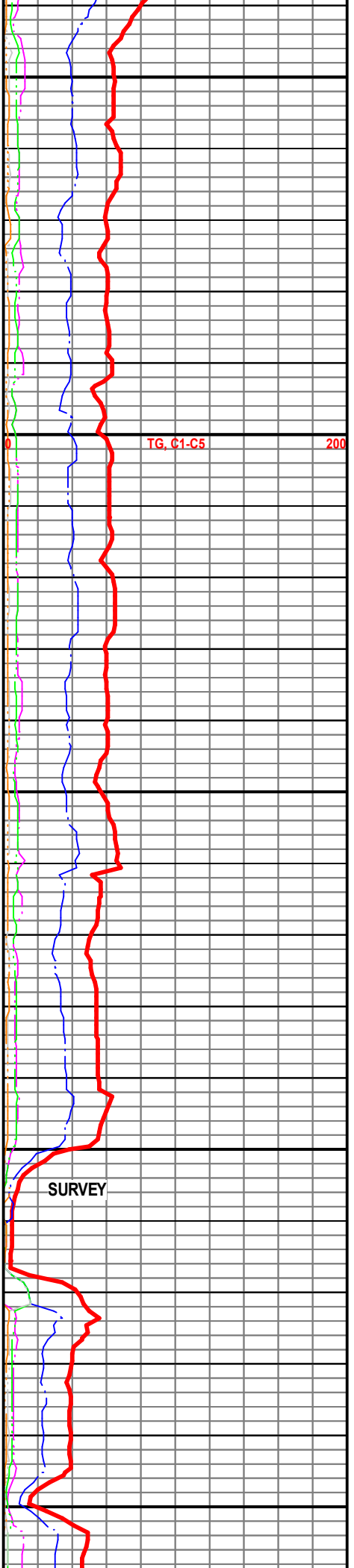
LS-BUFF-CRM, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM FRAC POR, SCTTRD MOTT, SM ARGL, SCTTRD DULL WHT TR YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, VF-FN TXT, MOD FRM, BLKY

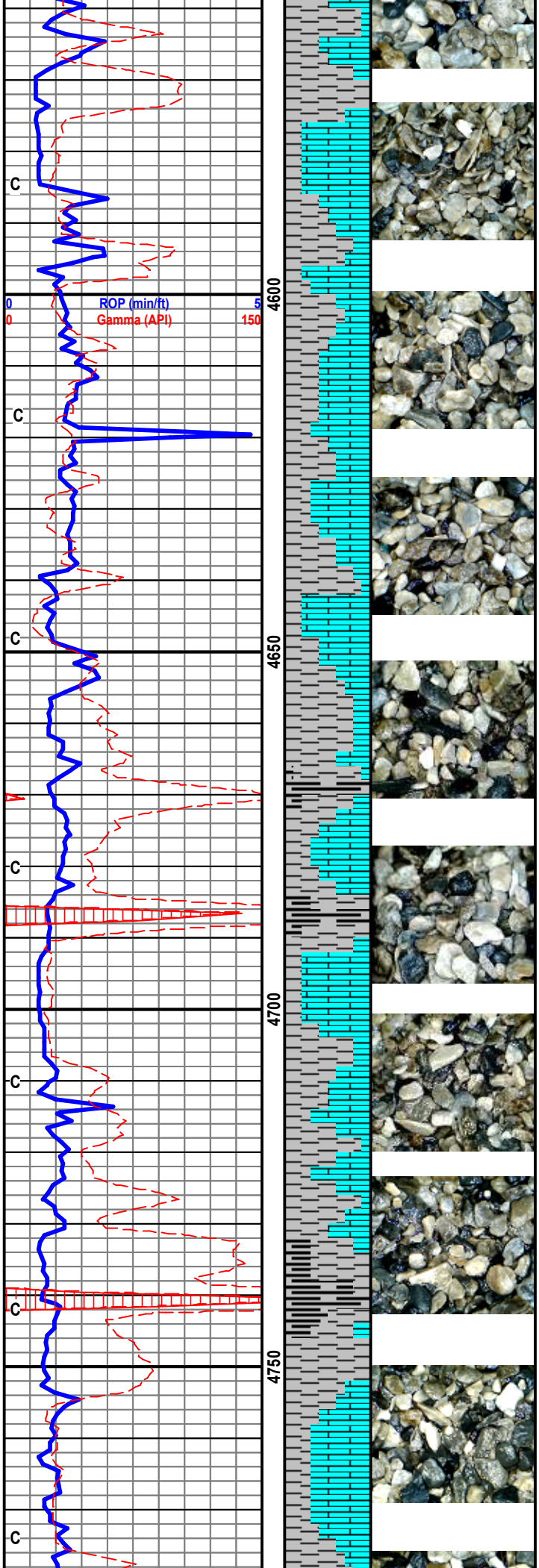
LS-BUFF-CRM, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM FRAC POR, SCTTRD MOTT, SM ARGL, SCTTRD DULL WHT TR YEL FLU, NO VIS CUT OR STN, W/ TR SH-LT-MED GRY, VF-FN TXT, MOD FRM, BLKY, SM SPLNTY

LS-BUFF-CRM, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR FRAC POR, SCTTRD MOTT, TR ARGL, SCTTRD DULL WHT TR YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, VF-FN TXT, MOD FRM, BLKY

SURVEY @ 4,523' W/ .75 DEG DEV  
 LS-BUFF-CRM, TR TN, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR FRAC POR, SCTTRD MOTT, TR ARGL, SCTTRD DULL WHT TR DK YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF-CRM, TR TN, VF-FN MICROXLN, SLI TR MED XLN, MOD FRM-FRM, DNS, SM FRAC POR, TR GRAN POR, SCTTRD MOTT, TR





ARGL, SCTTRD DULL WHT SM DK YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, TR MED DK GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF-CRM, TR TN, VF-FN MICROXLN, MOD FRM-FRM, SM DNS, SM FRAC POR, SM GRAN POR, SCTTRD MOTT, TR ARGL, SCTTRD DULL WHT SM YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, TR MED DK GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF-CRM, TR TN, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SCTTRD MOTT, TR ARGL, SM FOSS-OOL, SCTTRD DULL WHT-YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, TR MED DK GRY, VF-FN TXT, MOD FRM, BLKY

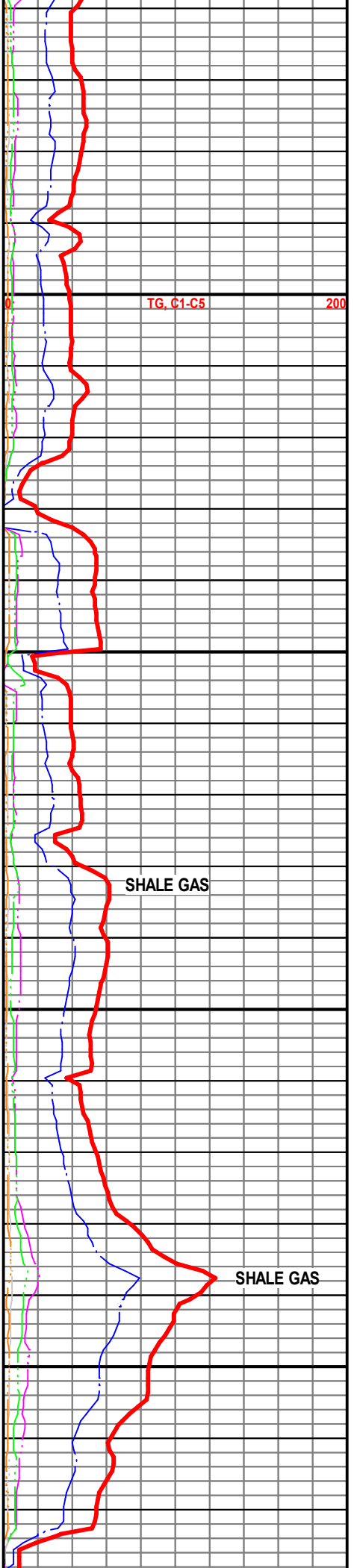
LS-BUFF-CRM, SM OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SCTTRD MOTT, TR ARGL, TR FREE STND PYR, SCTTRD DULL WHT-YEL FLU, NO VIS CUT OR STN, W/ SM SH-LT-MED GRY, TR MED DK GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF-CRM, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SCTTRD MOTT, TR ARGL, SCTTRD DULL WHT-DK YEL FLU, NO VIS CUT OR STN, W/ SLI INCR SH-MED GRY, TR MED DK-BLK GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF-CRM, TR OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, SCTTRD MOTT, TR ARGL, SCTTRD DULL WHT-DK YEL FLU, NO VIS CUT OR STN, W/ INCR SH-MED GRY, TR MED DK-DK GRY, VF-FN TXT, MOD FRM, BLKY

SH-MED DK-DK GRY, SM BLK, VF-FN TXT, MOD FRM, BLKY, SCTTRD DULL WHT FLU, NO VIS CUT OR STN, W/ ABDNT LS AAB

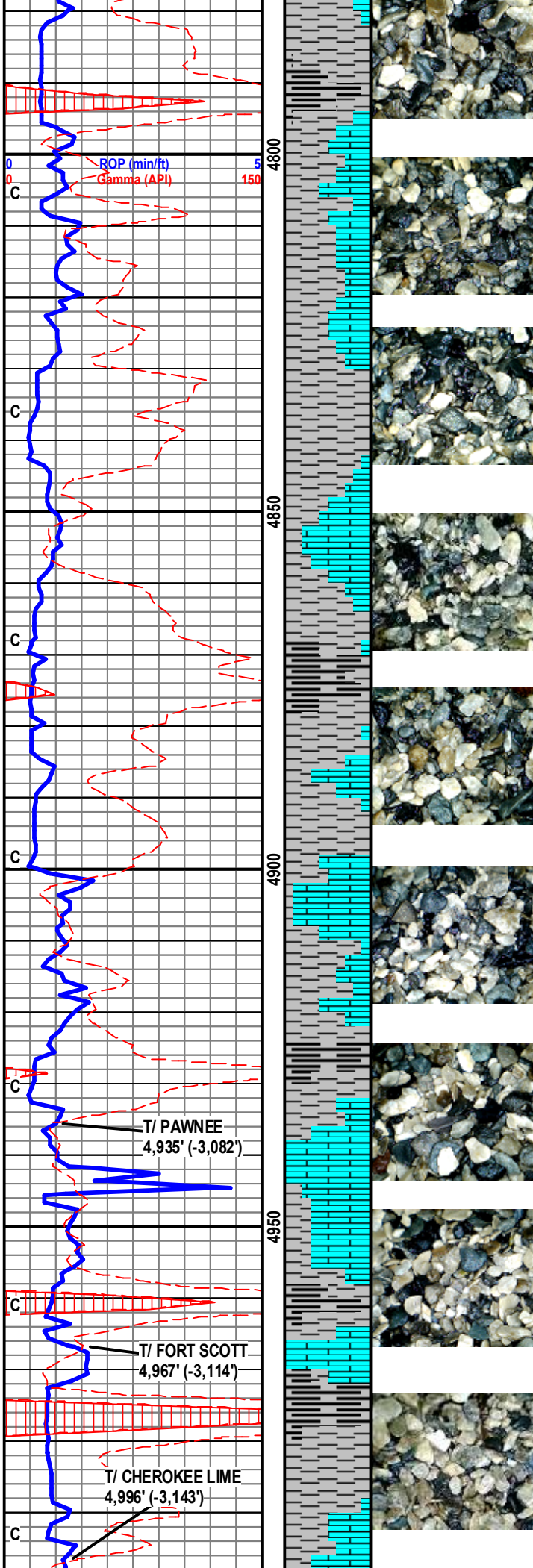
LS-BUFF-CRM, TR OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SCTTRD MOTT, TR FREE STND PYR, TR ARGL, SCTTRD DULL WHT-YEL FLU, NO VIS CUT OR STN, W/ SM SH-MED DK-DK GRY, VF-FN TXT, MOD FRM, BLKY



TG, C1-C5 200

SHALE GAS

SHALE GAS



LS-BUFF-CRM, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, SM GRAN  
POR, SCTTRD MOTT, SM ARGL,  
SCTTRD DULL WHT-YEL FLU, NO  
VIS CUT OR STN, W/ SM SH-MED  
DK-DK GRY, VF-FN TXT, MOD FRM,  
BLKY

SURVEY @ 4,805' WI .25 DEG DEV

LS-BUFF-CRM, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, SM GRAN  
POR, SCTTRD MOTT, TR  
FOSS-OOL., SM ARGL, SCTTRD  
DULL WHT-YEL FLU, NO VIS CUT  
OR STN, W/ SM SH-MED-MED DK-DK  
GRY, VF-FN TXT, MOD FRM, BLKY

LS-BUFF-CRM, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, SM GRAN  
POR, SCTTRD MOTT, SM ARGL,  
SCTTRD DULL WHT-YEL FLU, NO  
VIS CUT OR STN, W/ SM SH-MED  
DK-DK GRY, VF-FN TXT, MOD FRM,  
BLKY

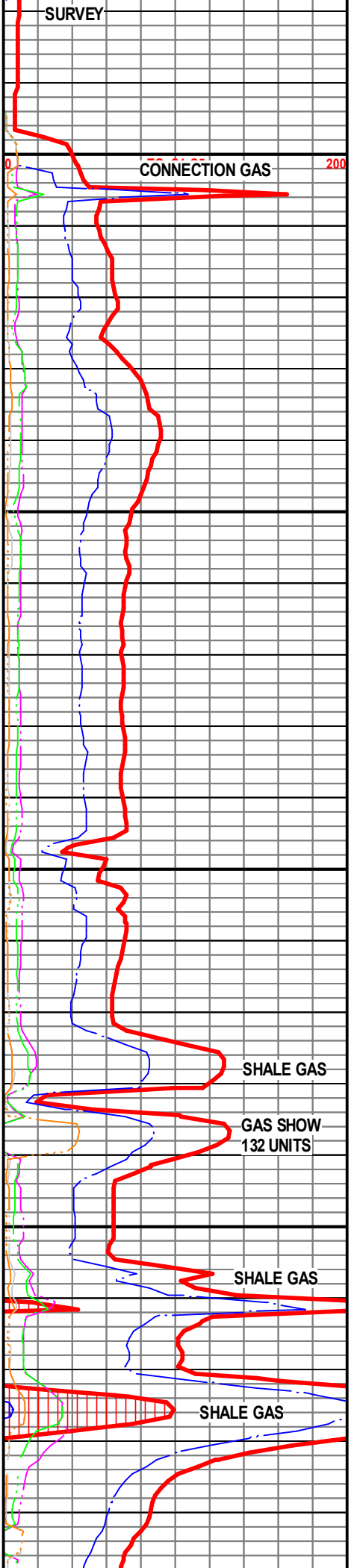
LS-BUFF-CRM, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, TR GRAN  
POR, SCTTRD MOTT, SM ARGL,  
SCTTRD DULL WHT-YEL FLU, NO  
VIS CUT OR STN, W/ SM SH-MED  
DK-DK GRY, VF-FN TXT, MOD FRM,  
BLKY

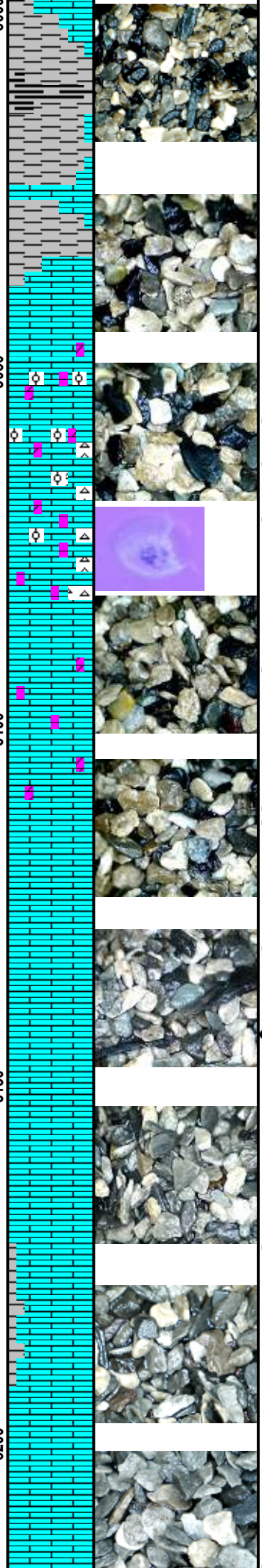
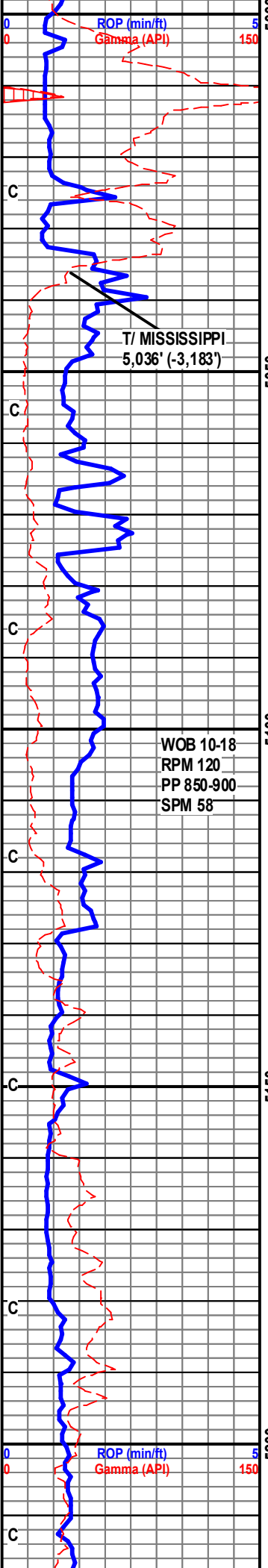
LS-BUFF-CRM, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, TR GRAN  
POR, SCTTRD MOTT, SM ARGL,  
SCTTRD DULL WHT-YEL FLU, NO  
VIS CUT OR STN, W/ SM SH-MED  
DK-DK GRY, VF-FN TXT, MOD FRM,  
BLKY

LS-CRM-BUFF, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, TR GRAN  
POR, TR FRAC POR, SM MOTT, TR  
ARGL, SCTTRD DULL WHT-YEL  
FLU, NO VIS CUT OR STN, W/ SM  
SH-MED DK-DK GRY, TR BLK, VF-FN  
TXT, MOD FRM, BLKY, TR CARB

LS-CRM-BUFF, VF-FN MICROXLN,  
MOD FRM-FRM, DNS, TR FRAC POR,  
SM MOTT, SM ARGL, SCTTRD DULL  
WHT-YEL FLU, NO VIS CUT OR STN,  
W/ SM SH-MED GRY, SM DK  
GRY-BLK, VF-FN TXT, MOD FRM,  
BLKY, SM SPLNTY, SM CARB

LS-CRM SM BUFF TR OFF WHT





LS-CRM, SM DSH, TR OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, SM MOTT, SM ARGL, SCTTRD DULL WHT TR YEL FLU, NO VIS CUT OR STN, W/ SH-MED GRY-BLK, VF-FN TXT, MOD FRM, BLKY, SM SPLNTY, SM CARB

LS-CRM, SM BUFF, TR TN, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, SM MOTT, TR ARGL, TR FREE STND PYR, SCTTRD DULL WHT-DK YEL FLU, NO VIS CUT OR STN, W/ SH-MED GRY- BLK, VF-FN TXT, MOD FRM, BLKY, SM SPLNTY, SM CARB

LS-BUFF, SM CRM, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, SM MOTT, SM DOLO'IC, TR CHRT, TR FOSS-OOL, TR ARGL, SM MOTT BRT YEL-DK YEL FLU, SLO CUT PR-FR STRM, W/ RING

LS-BUFF, SM OFF WHT-CRM, VF-FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, SM MOTT, SM DOLO'IC, TR CHRT, SLI TR FOSS-OOL, SCTTRD MOTT BRT YEL-DK YEL FLU, FLASH CUT, GD STRM, W/ RING

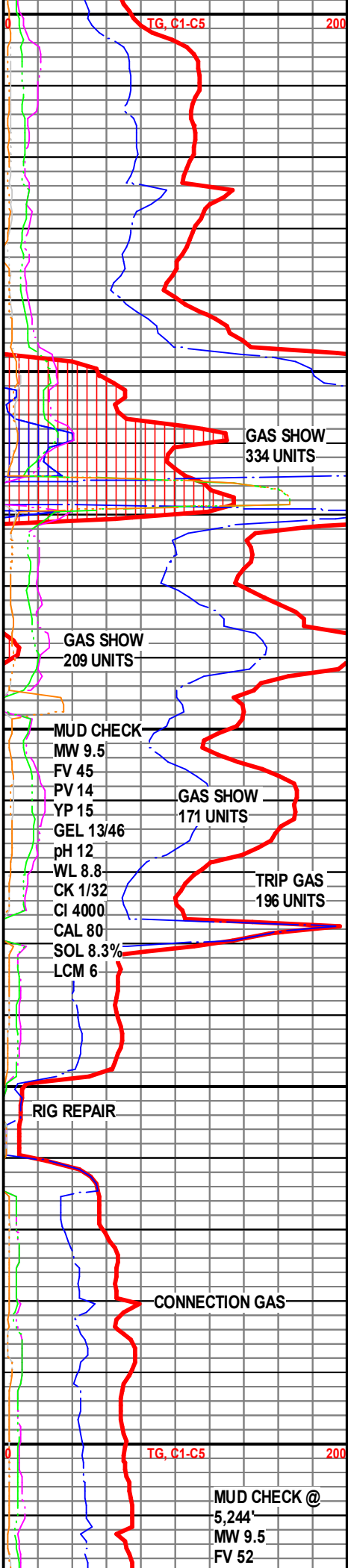
LS-BUFF-OFF WHT, SM CRM, VF-FN MICROXLN, TR MED XLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, SM MOTT, TR DOLO'IC, TR IB GLAUC, SCTTRD BRT YEL-WHT FLU, SM MOTT BRT YEL-DULL WHT FLU, SLO CUT, FR STRM, W/ LT RING

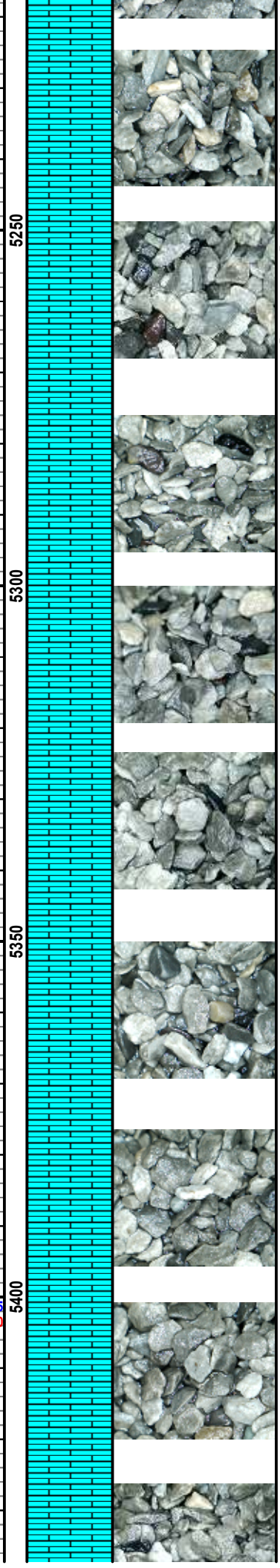
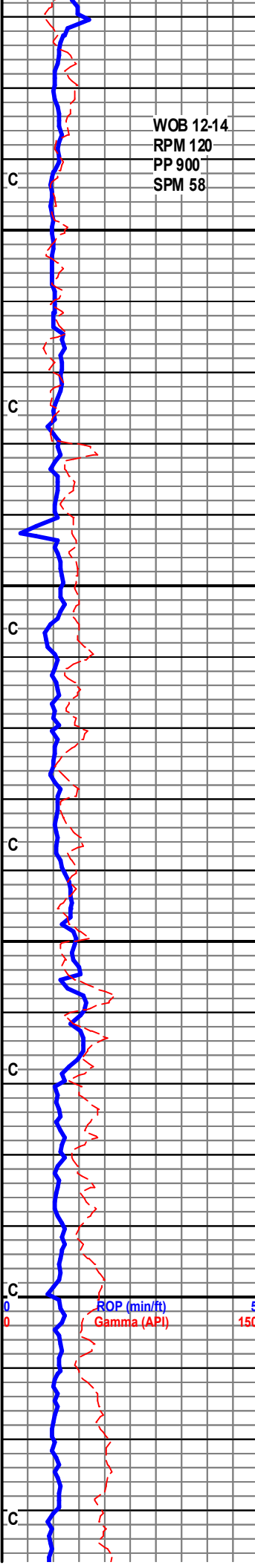
TOH FOR DRILL STEM TEST @ 10:00 AM ON 1-22-14 RUN DST TIH BACK TO DRILL @ 5:40 AM ON 1-23-14 W/ HTC DP506 BIT #3

LS-BUFF-TN, SM CRM, VF-FN MICROXLN, SLI TR MED XLN, MOD FRM-FRM, SM DNS, SCTTRD GRAN POR, SM MOTT, TR DOLO'IC, SCTTRD BRT YEL-DULL DK YEL FLU, SM MOTT BRT YEL-DULL WHT FLU, GD CUT, FR STRM, W/ RING

LS-BUFF-TN, SM OFF WHT-CRM, VF-FN MICROXLN, SLI TR MED XLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, SM MOTT, TR DOLO'IC, TR FOSS, SM ARGL, SCTTRD BRT YEL-DULL DK YEL FLU, SM MOTT BRT YEL-DULL WHT FLU, FR CUT, FR STRM, W/ RING

LS-BUFF-TN, SM CRM, TR OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, SM DNS, SCTTRD GRAN POR, SCTTRD MOTT, SM ARGL, SCTTRD DK YEL TR YEL FLU, TR MOTT BRT YEL-DULL YEL FLU, FR CUT, FR STRM, W/ RING





LS-BUFF-TN, SM CRM, TR OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, SM DNS, SCTTRD GRAN POR, SCTTRD MOTT, SM FOSS-CRIN & OOL, TR CHRT, SM ARGL, SCTTRD DK YEL TR YEL FLU, TR MOTT BRT WHT-YEL-DULL YEL FLU, GD CUT, FR STRM, W/ RING

LS-CRM, SM OFF WHT, TR BUFF, VF-FN MICROXLN, MOD FRM-FRM, SM DNS, SCTTRD GRAN POR, SCTTRD MOTT, TR CHRT, SM ARGL, SM DK YEL FLU, TR MOTT BRT WHT-YEL-DULL YEL FLU, GD CUT, FR STRM, W/ RING

LS-LT GRY-CRM, TR OFF WHT-BUFF, VF-FN MICROXLN, MOD FRM-FRM, SM DNS, SCTTRD GRAN POR, SM MOTT, SLI TR FREE STND PYR, SM ARGL, SM DK YELGRN FLU, NO VIS CUT OR STN

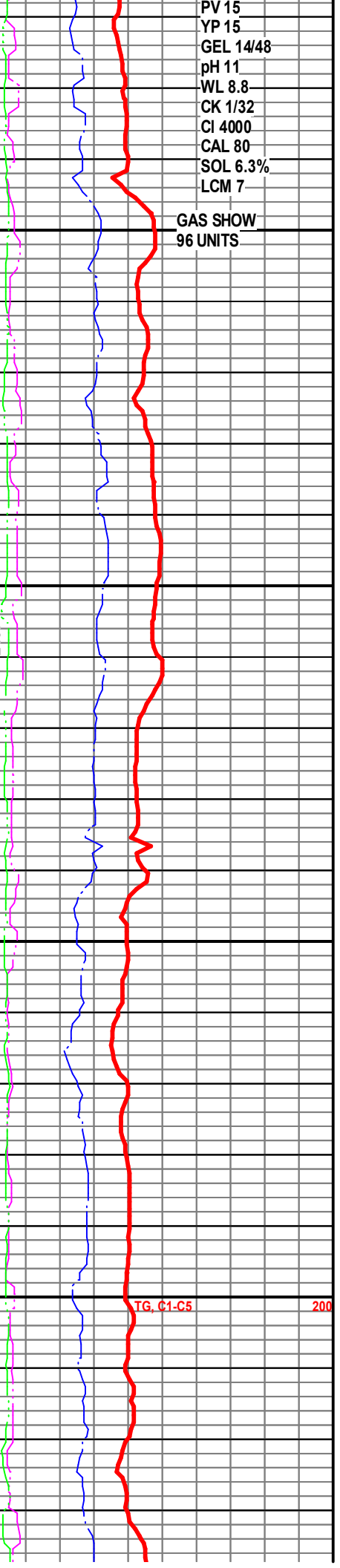
LS-LT GRY-CRM, TR OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, SM MOTT, SM ARGL, SM DK YELGRN FLU, NO VIS CUT OR STN

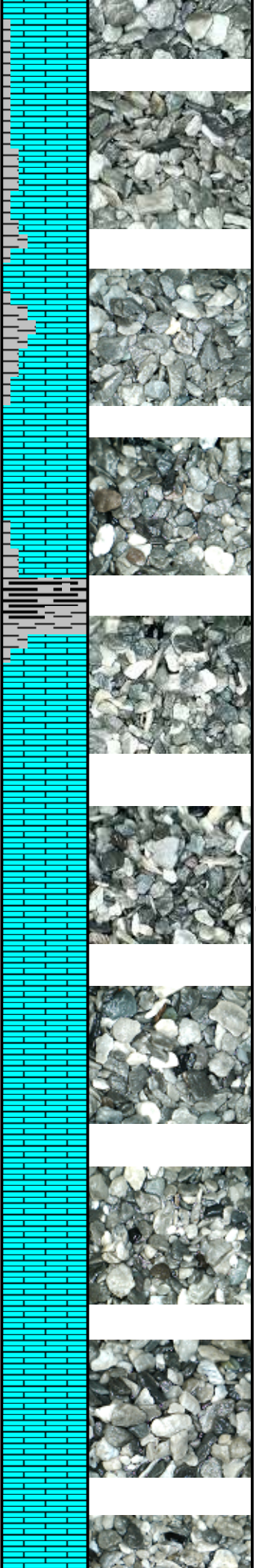
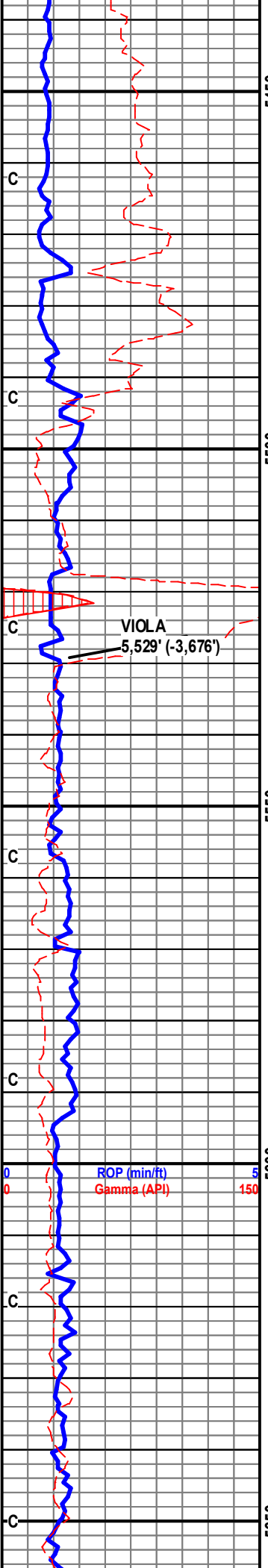
LS-LT GRY-CRM, SM OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, SM MOTT, SM ARGL, SM DK YELGRN FLU, SLI TR YEL FLU, NO VIS CUT OR STN

LS-LT GRY-CRM, SM OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, SM MOTT, SM ARGL, SM DK YELGRN FLU, SLI TR YEL FLU, NO VIS CUT OR STN

LS-LT GRY-CRM, TR OFF WHT-BUFF, VF-FN MICROXLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, TR MOTT, SM ARGL, SM DK YELGRN FLU, SLI TR YEL FLU, NO VIS CUT OR STN

LS-LT GRY-CRM, SM OFF WHT, VF-FN MICROXLN, MOD FRM-FRM, DNS, SCTTRD GRAN POR, SM





LS-LT GRY-CRM, SM BUFF, VF- FN MICROXLN, MOD FRM- FRM, DNS, SCTTRD GRAN POR, SM MOTT, SM ARGL, SLI TR YEL FLU, NO VIS CUT OR STN

LS-LT GRY-CRM, SM BUFF, TR OFF WHT, VF-FN MICROXLN, MOD FRM- FRM, DNS, SCTTRD GRAN POR, SM MOTT, SM ARGL, SM DK YEL FLU, NO VIS CUT OR STN

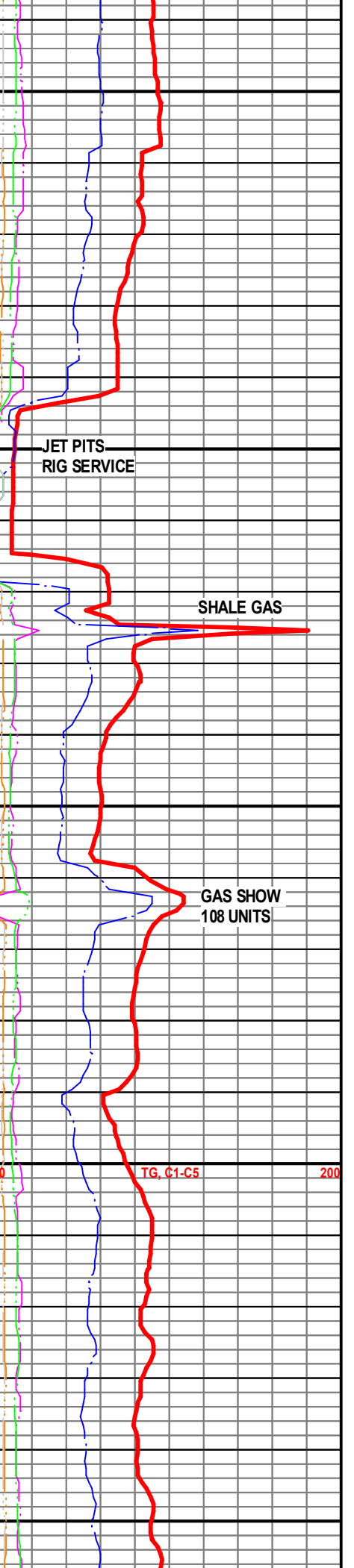
SH-MED GRY, SM MED DK GRY, VF-FN TXT, MOD FRM, BLKY, TR IB PYR, TR DK YEL FLU, NO VIS CUT OR STN, W/ LS AAB

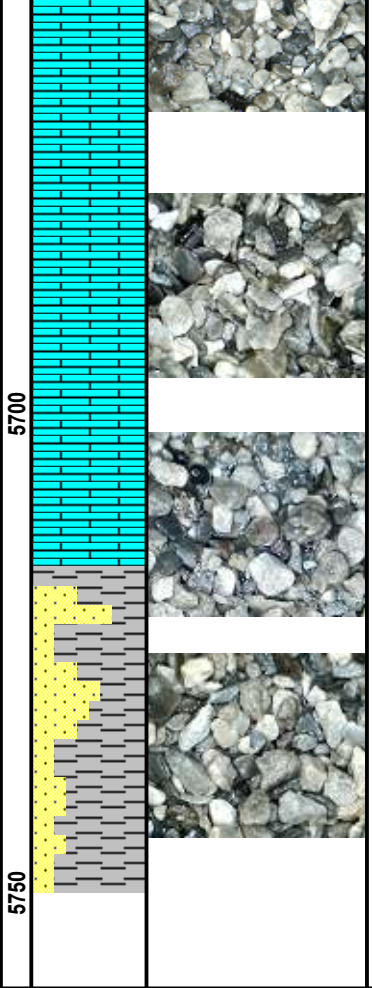
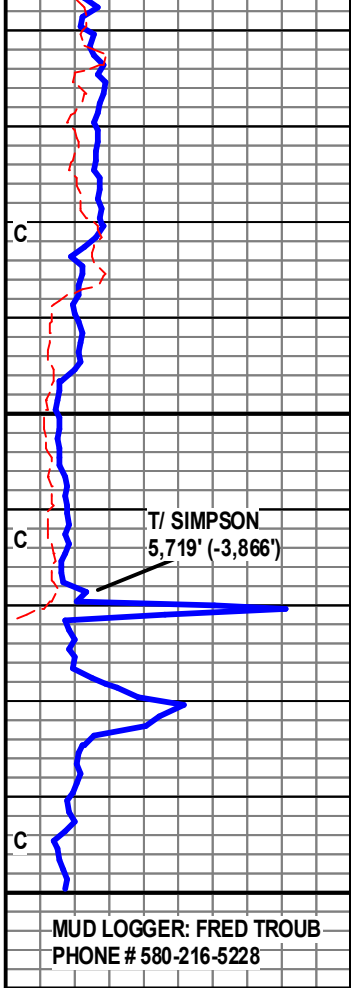
LS-CRM-BUFF, TR OFF WHT, VF- FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, TR FRAC POR, SM MOTT, TR CHRT, SM YEL-DULL WHT FLU, NO VIS CUT OR STN

LS-CRM-BUFF, TR OFF WHT, VF- FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, TR FRAC POR, SM MOTT, TR CHRT, SM YEL-DULL WHT FLU, VRY SLO CUT, PR STM, W/ LT RING

LS-CRM-BUFF, TR OFF WHT, VF- FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, TR FRAC POR, SM MOTT, TR CHRT, TR YEL-DULL WHT FLU, NO VIS CUT OR STN

LS-CRM-BUFF, TR OFF WHT, VF- FN MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, TR FRAC POR, SM MOTT, TR YEL-DULL WHT FLU, NO VIS CUT OR STN





MICROXLN, MOD FRM-FRM, DNS, SM GRAN POR, TR FRAC POR, SM MOTT, SM YEL-DULL WHT FLU, NO VIS CUT OR STN

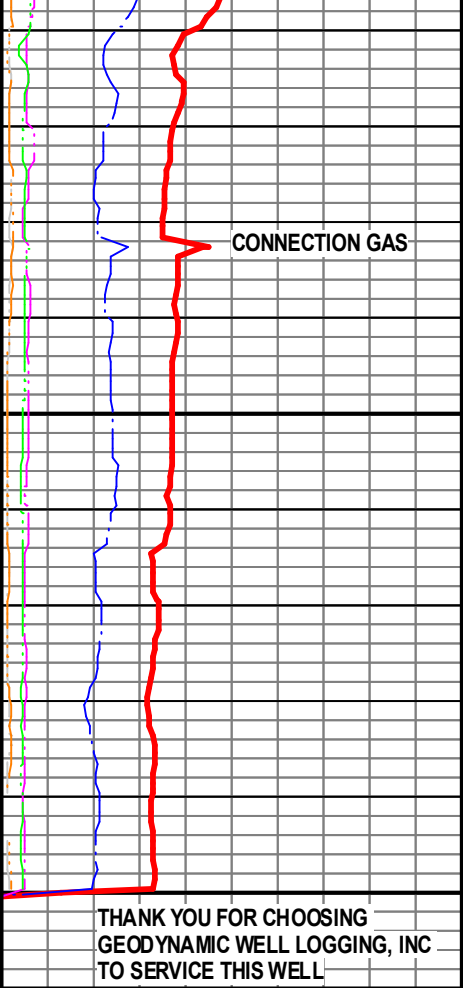
LS-CRM-BUFF, SM TN, TR OFF WHT, VF- FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, TR FRAC POR, SM MOTT, SLI TR ARGL, TR YEL-DULL WHT FLU, NO VIS CUT OR STN

LS-CRM-BUFF, SM TN, TR OFF WHT, VF- FN MICROXLN, MOD FRM-FRM, DNS, TR GRAN POR, TR FRAC POR, SM MOTT, SLI TR ARGL, TR YEL-DULL WHT FLU, NO VIS CUT OR STN

SS-LT GRY-CLR-BUFF, VF-FG, RND, SM SUBRND, CNSLTD, WELL SRTD, TT, PP, SM YEL FLU, NO VIS CUT OR STN, W/ ABDNT LS AAB

SS-LT GRY-CLR-BUFF, VF-FG, RND, SM SUBRND, CNSLTD, WELL SRTD, TT, PP, SM YEL FLU, NO VIS CUT OR STN, W/ ABDNT LS AAB

TD @ 5,750' @ 9:00 PM ON 1-23-14  
CIRC SHRT TRIP CIRC TOH FOR ELOGS



MUD LOGGER: FRED TROUB  
PHONE # 580-216-5228

THANK YOU FOR CHOOSING  
GEODYNAMIC WELL LOGGING, INC  
TO SERVICE THIS WELL